



California Regional Water Quality Control Board

Los Angeles Region



Linda S. Adams
Agency Secretary

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

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Arnold Schwarzenegger
Governor

September 18, 2007

Mr. Allen Rosenstein
P. O. Box 8237
Northridge, CA 91327

**GENERAL WASTE DISCHARGE REQUIREMENTS FOR GROUNDWATER CLEANUP AT
PETROLEUM HYDROCARBON FUEL, VOLATILE ORGANIC COMPOUND AND/OR
HEXAVALENT CHROMIUM IMPACTED SITES
AL ROSENSTEIN PROPERTY
5570 MELROSE AVENUE, LOS ANGELES (ID #900380343)
(ORDER NO. R4-2007-0019, SERIES NO. 027; CI NO. 9298)**

Dear Mr. Rosenstein:

We have completed our review of your application for coverage under the General Waste Discharge Requirements to inject ozone at the site referenced above in Los Angeles, California, for groundwater cleanup and remediation.

The site was historically used as a gasoline service station and is currently used as an automotive repair shop. Five underground storage tanks (USTs), one 8,000-gallon, one 6,000-gallon, and two 4,000-gallon gasoline tanks and one 500-gallon waste oil tank, were in use at the property. In 1989, all USTs were removed. During the tank removal, fuel hydrocarbons were detected in soils beneath the USTs. In February 1990, an additional site investigation was conducted and three groundwater monitoring wells were installed. Analytical results of groundwater samples showed high fuel hydrocarbon contamination.

A soil vapor extraction (SVE) system commenced in May 1998 and an air sparge (AS) system began in October 1998. The SVE/AS system was in operation until January 2001. Subsequently, several dual phase extraction (DPE) events were conducted. The SVE/AS and DPE have sufficiently cleaned up the on-site source contamination. However, residual fuel hydrocarbons still exist, primarily in the offsite area.

A quarterly groundwater monitoring program has been implemented since 1990. The most recent monitoring data indicated that maximum total petroleum hydrocarbon as gasoline (TPH_G) concentration at 20,900 µg/L and benzene concentration at 410 µg/L.

A Remedial Action Plan (RAP), dated May 31, 2007, and an addendum dated August 17, 2007, prepared by Lindmark Engineering (LE), for the in-situ groundwater treatment were approved by the Regional Board on July 19, 2007, and August 20, 2007, respectively.

LE proposes to use an in-situ chemical oxidation (ISCO) system to clean up the residual groundwater contamination. LE proposes to install 7 dual-nested injection points (IW1 through IW7) to inject 52 grams of ozone per hour at a concentration of approximately 6 percent and a flow rate of 0.3 to 3.0 square cubic feet per minute.

California Environmental Protection Agency



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

Regional Board staff has determined that the proposed discharge meets the conditions specified in Order No. R4-2007-0019, "*Revised General Waste Discharge Requirements for Groundwater Remediation At Petroleum Hydrocarbon Fuel, Volatile Organic Compound and/or Hexavalent Chromium Impacted Sites (General WDRs)*," adopted by the State Water Resources Control Board on March 1, 2007.

Enclosed are your Waste Discharge Requirements, consisting of General WDRs Board Order No. 2007-0019 and Monitoring and Reporting Program No. CI-9298 and Standard Provisions.

The WDRs issued shall not be rescinded until Regional Board staff determine the WDRs are no longer needed for the subject site.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of this enrollment under Regional Board Order No. R4-2007-0019. All monitoring reports shall 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-9298, which will assure that the reports are directed to the appropriate file and staff. 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. R4-2007-0019 only to the applicant. A copy of the Order will be furnished to anyone who requests it, or on line at:

http://www.waterboards.ca.gov/losangeles/html/permits/gen_orders/R4-2007-0019/R4-2007-0019.pdf

If you have any questions, please contact Mr. Rod Nelson at (213) 576-6119.

Sincerely,

Deborah J. Smith
Interim Executive Officer

Enclosures: 1. Board Order No. R4-2007-0019
2. Monitoring and Reporting Program No. CI-9298
3. Standard Provisions

Cc: Ms. Yvonne Shanks, State Water Resources Control Board, Underground Storage Tank Cleanup Fund
Capt. Frank Comfort, Los Angeles City Fire Department, Underground Tanks
Ms. Valerie Toney, Los Angeles City Fire Department, Underground Tanks
Mr. Philip Mihopoulos, Lindmark Engineering