



California Regional Water Quality Control Board

Los Angeles Region



Linda S. Adams
Cal/EPA Secretary

320 W. 4th Street, Suite 200, Los Angeles, California 90013
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Arnold Schwarzenegger
Governor

October 25, 2007

Mr. David Harris
ConocoPhillips Company
P. O. Box 25376
Santa Ana, CA 92799-5376

**GENERAL WASTE DISCHARGE REQUIREMENTS FOR GROUNDWATER CLEANUP AT
PETROLEUM HYDROCARBON FUEL, VOLATILE ORGANIC COMPOUND AND/OR
HEXAVALENT CHROMIUM IMPACTED SITES
76 STATION 3319
4502 EAST ROSECRANS AVENUE, COMPTON, CA (ID# R-02655A)
(ORDER NO. R4-2007-0019, SERIES NO. 026; CI NO. 9297)**

Dear Mr. Harris:

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 is an active service station located on the southeast corner of Rosecrans Avenue and Atlantic Avenue in Compton, California (Site) (Figure 1) (Latitude: N 33° 54'11.75", Longitude: W 118° 11' 36.52"). The site currently maintains one 15,000-gallon and one 12,000-gallon underground storage tanks (USTs), one 500-gallon waste oil tank, six dispenser islands and associated product lines. In 1968, two single-walled steel 10,000-gallon and one 500-gallon single-walled steel waste oil USTs were installed. In 1994, a leak detection and subsurface investigation were conducted. In 1995, a quarterly groundwater monitoring program was initiated. In October 1996, the Regional Board issued a "no further action" letter for the Site.

In July 1997, the gasoline USTs, waste oil UST, dispensers and associated product lines were replaced. Subsequent site investigations found soil and groundwater contaminations beneath the Site. A quarterly groundwater monitoring program was re-initiated in June 2003. The most recent monitoring data indicated that maximum total petroleum hydrocarbon as gasoline (TPH_G) concentration at 5,300 µg/L, benzene concentration at 2.5 µg/L and methyl tertiary butyl ether (MTBE) concentration at 9,100 µg/L.

In December 2004, a soil vapor extraction test was conducted. In June and July 2005, a total of 96 hours of vapor extraction and dual-phase extraction testing were conducted. A total of approximately 106 pound of hydrocarbons and approximately 4,500 gallons of groundwater were recovered.

A Remedial Action Plan (RAP), dated December 15, 2006, prepared by TRC Solutions, Inc. (TRC), for the in-situ groundwater treatment were approved by the Regional Board on January 12, 2007.

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TRC proposed to conduct a series of three 12-hour vapor extraction for the cleanup of soil contamination and install the ozone sparge system for cleanup of groundwater contamination. A total of 10 ozone sparge points, POS-1 through POS-10, (Figure 2) will be installed.

The groundwater monitoring program CI-9297 will be performed for groundwater monitoring wells MW-5, MW-8, MW-9 and MW-13 (Figure 3) to assess the groundwater contamination plume and the effectiveness of the treatment. Each of these wells will be monitored prior to the initiation of the remediation activities and periodically during completion of the injection activities.

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 Los Angeles Regional Water Quality 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-9297 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-9297, 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,

Original signed by

Tracy J. Egoscue
Executive Officer

- Enclosures: 1. Board Order No. R4-2007-0019
2. Monitoring and Reporting Program No. CI-9297
3. Standard Provisions

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cc: Ms. Yvonne Shanks, State Water Resources Control Board, Underground Storage Tank
Cleanup Fund
Mr. Tim Smith, Los Angeles Department of Public Works, Environmental Program Division
Ms. Nancy Matsumoto, Water Replenishment District of Southern California
Mr. John Nordenstam, TRC Solutions, Inc.

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