



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

July 13, 2007

Mr. Robert Buckler
1914 Pelican Avenue
San Pedro, CA 90723

GENERAL WASTE DISCHARGE REQUIREMENTS FOR GROUNDWATER REMEDIATION AT PETROLEUM HYDROCARBON FUEL AND/OR VOLATILE ORGANIC COMPOUND IMPACTED SITES – HARBOR AUTO BODY FACILITY, 1106 PALOS VERDES STREET, SAN PEDRO, CALIFORNIA (CI NO. 9289, SERIES NO. 023, ORDER NO. R4-2007-0019)

Dear Mr. Buckler:

We have completed our review of your application for coverage under the General Waste Discharge Requirements to inject oxidants into groundwater at the subject site (the Site). The purpose of the oxidants injection is to mitigate fuel constituents present in the groundwater beneath the Site in order to minimize the threat to the underlying aquifers.

The Site is currently an auto body repair shop consisting of one small office building and one repair shop. The site used to contain a total of seven underground storage tanks (USTs). In July 1992, all seven USTs were removed from the Site.

The Site is located within the Los Angeles Coastal Plain and is underlain by sand, silt and clay to a depth of approximately 45 feet below ground surface (bgs).

A total of ten groundwater monitoring wells are currently present at the site. Quarterly groundwater monitoring has been conducted since December 1995. Historically, up to 570,000 µg/L of TPHg, 5,500 µg/L of benzene, and 300 µg/L of MTBE were detected in the groundwater. Historically, up to 1.77 feet of free product were present in MW-20, and sheen of free product was present in some of the other wells. Since January 2001, free product has not been detected in any of the monitoring wells. In December 2006, up to 8,600 µg/L of TPHg and 50 µg/L of benzene were detected in the groundwater. Depth to groundwater was measured at approximately 35 feet bgs and the flow direction was toward the northeast.

Between July 2001 and September 2004, a soil vapor extraction system (SVE) was operated to mitigate soil contamination at the Site. SVE operational data indicated that approximately 68,141 pounds of petroleum hydrocarbons have been removed from the soil beneath the Site. SVE monitoring data also indicated that the system did not reach its asymptotic state and that elevated concentrations of fuel constituents were still detected in the influent samples when the system was shut down in September 2004.

In a remedial action plan (RAP) dated February 26, 2007, your consultant, Geo-Cal, Inc., (GCI), proposed to resume the SVE system at the Site and to inject chemical oxidant (RegenOX™)

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into the groundwater to enhance the groundwater cleanup. On March 16, 2007, Regional Board staff approved the RAP.

GCI proposed to install a total of 32 grid injection points in the center of the soil and groundwater plume near the northwest corner of the Site. Direct push drill rig will be used to install the injection points below the water table (estimated at approximately 35 feet bgs).

Based on our review, 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*" adopted by the Regional Board on March 1, 2007.

Enclosed are your Waste Discharge Requirements, consisting of Regional Board Order No. R4-2007-0019, Monitoring and Reporting Program No. CI-9264, and Standard Provisions.

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

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, please reference Compliance File No. CI-9264 to assure that the reports are directed to the appropriate staff. Do not combine other reports with your monitoring reports complying with Order No. R4-2007-0019. 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. A copy of the Order can also be found online 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. Rodney Nelson at (213) 620-6119. Questions regarding the underground storage tank issues should be forwarded to Dr. Yi Lu at (213) 576-6695.

Sincerely,

Original Signed by

Deborah J. Smith
Interim Executive Officer

- Enclosures: 1. Board Order No. R4-2007-0019
2. Monitoring and Reporting Program No. CI-9289
3. Standard Provisions

California Environmental Protection Agency



cc: Julia Erickson, State Water Resources Control Board, UST Cleanup Fund
Captain Frank Comfort, Los Angeles City Fire Department, Underground Tanks
Valerie Toney, Los Angeles City Fire Department, Underground Tanks
Fred Bigony, Geo-Cal, Inc.

