



# 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

March 8, 2007

Mr. Bruce H. Edelson  
Haagen GDH Partnership  
898 N. Sepulveda Bl., Suite 400  
El Segundo, CA 90245

Dear Mr. Edelson:

**GENERAL WASTE DISCHARGE REQUIREMENTS FOR OXYGEN RELEASE COMPOUND (ORC) INJECTION FOR GROUNDWATER CLEANUP AT PETROLEUM HYDROCARBON FUEL, VOLATILE ORGANIC COMPOUND And/Or HEXAVALENT CHROMIUM IMPACTED SITES – FORMER GEMCO STORE 533, 1899 E. COCHRAN STREET, SIMI VALLEY (ORDER NO. R4-2007-0019, SERIES NO. 001; CI NO. 9232)**

We have completed our review of your application for coverage under General Waste Discharge Requirements to inject non-hazardous Oxygen Release Compound (ORC) at the site referenced above in Simi Valley, California for groundwater cleanup and remediation.

Three underground fuel storage tanks existed at the site that were removed and disposed of in January 1996. Various subsurface investigations and remediation activities have been conducted at the subject site following the USTs removal, which consisted of drilling and sampling numeral soil borings, operating a soil vapor extraction and air sparge unit, and a dual-phase extraction operation. The analytical data from groundwater monitoring event conducted in June 2006 indicated groundwater beneath the site still impacted by benzene (up to 11,400 µg/L), MTBE (up to 495 µg/L), and TBA (up to 313 µg/L)

Despite of the fact that past remediation programs reduced the levels of contaminants in the subsurface, the petroleum hydrocarbon concentrations in the groundwater still exceeded Regional Board guidelines for site closure. Therefore, further remediation with ORC injection is proposed.

A letter dated October 10, 2006, from Ventura County Division of Environmental Health approved a Workplan for Pilot-scale Test for In-Situ Oxidation of Fuel Hydrocarbons to inject Oxygen Release Compound (ORC) in the up-gradient wells to remediate groundwater beneath the subject site. ORC is used to enhance intrinsic bioremediation involving the addition of oxygen to the subsurface environment to accelerate the natural degradation process.

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.

**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.*

Mr. Bruce H. Edelson  
Haagen GDH Partnership

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March 8, 2007

Enclosed are your Waste Discharge Requirements, consisting of General WDRs Board Order No. 2007-0019 and Monitoring and Reporting Program No. CI-9232 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. R4-2007-0019. 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-9232, 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](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

Jonathan S. Bishop  
Executive Officer

Enclosures: 1. Board Order No. R4-2007-0019  
2. Monitoring and Reporting Program No. CI-9232

cc: Ms. Erin O'Connell, Ventura County Division of Environmental Health  
Mr. S. Javad Masoudi, EnviroMonitoring Services

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