



# 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

June 22, 2007

Mr. Bruce Svatos  
Hood Corporation  
P.O. Box 5716  
Norco, CA 92860

Dear Mr. Svatos:

**GENERAL WASTE DISCHARGE REQUIREMENTS FOR GROUNDWATER CLEANUP AT PETROLEUM HYDROCARBON FUEL, VOLATILE ORGANIC COMPOUND AND/OR HEXAVALENT CHROMIUM IMPACTED SITES – HOOD CORPORATION YARD, 8201 S. SORENSEN AVENUE, SANTA FE SPRINGS (ORDER NO. R4-2007-0019, SERIES NO. 018; CI NO. 9276)**

We have completed our review of your application for coverage under General Waste Discharge Requirements to inject RegenOx and Oxygen release compound (ORC) Advanced at the site referenced above in Santa Fe Springs, California for groundwater cleanup and remediation.

The site consists of two structures and a storage yard for equipment. Twelve (12) gasoline USTs were removed from the site in 1989 and 1999. From 1999 to 2007, corrective action activities were conducted at the site. The results of these investigations indicated that the underlying soil and groundwater had been detected contamination. A dual-phase extraction system (DPES) had been operated from June 20, 2005 to June 20, 2006. However, the DPES was not effective in remediating the soil and groundwater contamination due to i) the extraction wells are not screened properly; and ii) presence of clayey and low permeability soil dampens the vapor extraction rate. Soil samples analytical results indicated the detection of TPHg up to 18,300 mg/kg, TPHd up to 1,120 mg/kg, benzene up to 121 mg/kg, toluene up to 582 mg/kg, ethylbenzene up to 158 mg/kg, xylenes up to 546 mg/kg, and MTBE up to 37 mg/kg. Groundwater data from monitoring wells in first quarter 2007 indicated TPHg up to 70,185 µg/L, benzene up to 12,172.1 µg/L, toluene up to 11,959.6 µg/L, ethylbenzene up to 1,081.6 µg/L, xylenes up to 7,208 µg/L, MTBE up to 955.4 µg/L, and TBA up to 421.6 µg/L. In addition, free product was also encountered in the groundwater monitoring wells (MW-1 and -2) during the first quarter 2007.

To remediate the soil and groundwater contaminations, Encon submitted a "UST Tank Site Remedial Investigation Report and Revised Remedial Action Plan Proposal" and a "Waste Discharge Requirement Permit Application" to the Regional Board. Encon proposes to excavate petroleum hydrocarbon-impacted soil (to a depth of approximately 10 feet bgs) in the former dispenser area and grid based chemical injection of RegenOx at first; secondly, injection of RegenOx combined with ORC Advanced at approximately 30 feet bgs, respectively. The RAP also includes an additional injection of ORC Advanced if necessary after first round of

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injections and two quarters of groundwater monitoring well sampling. On June 7, 2007, the Regional Board staff approves the workplan to implement the proposed remedial system.

Groundwater monitoring wells shall not be used as injection points to avoid reduction of groundwater monitoring network, data bias, well screen clogging and alteration.

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-9276 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 per these requirements, please include a reference to Compliance File No. CI-9276, 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,

Deborah J. Smith  
Interim Executive Officer

Enclosures: 1. Board Order No. R4-2007-0019  
2. Monitoring and Reporting Program No. CI-9276

cc: Ms. Nancy Mastumoto, Water Replenishment District of Southern California  
Mr. Raul Diaz, Santa Fe Springs Fire Department, Environmental Protection Program  
Mr. Joseph Scatoloni, Encon Technologies, Inc.

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