



California Regional Water Quality Control Board

Los Angeles Region

Over 50 Years Serving Coastal Los Angeles and Ventura Counties

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

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

Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>



Gray Davis
Governor

Winston H. Hickox
Secretary for
Environmental
Protection

January 24, 2003

Mr. Dan Truzzolino
ConocoPhillips Company
3525 Hyland Avenue
Costa Mesa, CA 92626

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7000 0520 0024 7219 6487

Dear Mr. Truzzolino:

GENERAL WASTE DISCHARGE REQUIREMENTS FOR GROUNDWATER REMEDIATION AT PETROLEUM HYDROCARBON FUEL AND/OR VOLATILE ORGANIC COMPOUND IMPACTED SITES – 76 STATION NO. 3645, 15410 VENTURA BOULEVARD, SHERMAN OAKS, CALIFORNIA (FILE NO. 914030025)

We have completed our review of your application for Waste Discharge Requirements to inject hydrogen peroxide solution into the shallow aquifer at the site located at 15410 Ventura Boulevard, Sherman Oaks, California (Figure 1).

Groundwater underneath the site is impacted by benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tertiary butyl ether (MTBE). In May 2002, TRC, consultant for the Discharger, proposed to cleanup the soil and groundwater by periodically injecting hydrogen peroxide into selected monitoring wells, concurrent with dual-phase extraction, to enhance the remediation of dissolved-phase hydrocarbons.

Diluted hydrogen peroxide solution (7% by volume or 70,000 mg/L) will be initially added to monitoring wells MW-4, MW-5, and MW-11 in five-gallon increments over a 30-minute period (Figure 2). In addition, groundwater will be pumped from monitoring well BC-3 causing the peroxide solution to migrate through the dissolved-phase plume toward BC-3. During the peroxide injection, groundwater temperature will be monitored at each injection well and at the extraction well. If necessary, pressurized hydrogen peroxide solution may be injected into the injection wells to maximize dispersion into the soil. Groundwater samples will be collected from monitoring wells BC-3, MW-4, MW-5, and MW-11 at least 48 hours following the initial peroxide injection. Subsequent addition of hydrogen peroxide will be based on the results of the initial injection and will occur at least on a monthly basis.

Regional Board staff have reviewed the information provided and have determined that the proposed discharge meets the conditions specified in Order No. R4-2002-0030, "*General Waste Discharge Requirements for Groundwater Remediation at Petroleum Hydrocarbon Fuel and/or Volatile Organic Compound Impacted Sites*," adopted by this Regional Board on January 24, 2002.

Enclosed are your Waste Discharge Requirements, consisting of Regional Board Order No. R4-2002-0030 (Series No. 020) and the new Monitoring and Reporting Program No. CI-8531.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption

For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



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

Mr. Dan Truzzolino
ConocoPhillips Company

- 2 -

January 24, 2003

The "Monitoring and Reporting Program" requires you to implement the monitoring program on the effective date of this enrollment (January 24, 2003) under Regional Board Order No. R4-2002-0030. 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, include a reference to "Compliance File No. CI-8531", 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. R4-2002-0030 only to the applicant. A copy of the Order will be furnished to anyone who requests it.

If you have any additional questions, please contact Mr. David Koo at (213) 620-6155.

Sincerely,

Dennis A. Dickerson
Executive Officer

Enclosures:

1. Board Order No. R4-2002-0030
2. Monitoring and Reporting Program No. CI-8531
3. Standard Provisions applicable to Waste Discharge Requirements (addressee only)

cc: Mr. Gordon Innes, Division of Water Quality, State Water Resources Control Board
Mr. Robert Sams, Office of Chief Counsel, State Water Resources Control Board
Mr. Michael Lauffer, Office of Chief Counsel, State Water Resources Control Board
Mr. Tim Smith, County of Los Angeles Department of Public Works, Environmental Programs Division, Underground Tanks
Ms. Chandra Cansler, Los Angeles Regional Water Quality Control Board, Underground Storage Tanks-L.A. River
Mr. Steve Keane, TRC

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



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