



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

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Gray Davis
Governor

Winston H. Hickox
Secretary for
Environmental
Protection

December 5, 2002

Dr. David Morton
South Whittier School District
10120 South Painter Avenue
Whittier, CA 90605

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7002 0860 0001 0650 9552

Dear Dr. Morton:

GENERAL WASTE DISCHARGE REQUIREMENTS FOR GROUNDWATER REMEDIATION AT PETROLEUM HYDROCARBON FUEL AND/OR VOLATILE ORGANIC COMPOUND IMPACTED SITES – SOUTH WHITTIER SCHOOL DISTRICT, 10120 SOUTH PAINTER AVENUE, WHITTIER, CALIFORNIA (FILE NO. R-16565)

We have completed our review of your application for Waste Discharge Requirements to re-infiltrate treated groundwater from the Two-Stage Pump-And-Treat System back into the shallow aquifer at the subject site.

On August 24, 1998, petroleum hydrocarbon contaminated groundwater was detected in on-site monitoring wells MW-1, MW-3 and MW-4. In March 2001, your consultant, Advanced GeoEnvironmental, Inc., submitted a "Remedial Action Plan" (RAP) for cleanup of the contaminated soil and groundwater at the subject site to the Regional Board. In the RAP, a Two-Stage Pump-and-Treat System and an In-Situ Vapor Extraction System were proposed as the cleanup methods. The Two-Stage Pump-and-Treat System selected for the groundwater cleanup consists of two canisters with granular activated carbon (GAC) followed by two canisters of Sun Solve connected in series. Sun Solve is a patented material that has an affinity to absorb methyl tertiary butyl ether (MTBE). The In-Situ Vapor Extraction treatment system was selected for removal of volatile petroleum hydrocarbons from the soil.

In a June 2002 Addendum to the RAP, the discharger proposed infiltration as the wastewater disposal method. In October 11, 2002, this Regional Board approved the Addendum.

Three existing wells (MW-1, MW-3, and MW-4) will be used in the Two-Stage Pump-and-Treat extraction activities. These wells are located within the dissolved petroleum hydrocarbon plume. The treated groundwater will be pumped to a 1,000-gallon holding tank located on a slightly raised platform to facilitate the gravity feed to the passive infiltration wells MW-5 and MW-6. The treated groundwater will be infiltrated to a shallow groundwater zone at depths of approximately 40 to 60 feet below ground surface. The total infiltration rate is of approximately 7,200 gallons per day.

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. Refer to the attached Fact Sheet.

California Environmental Protection Agency

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Enclosed are your Waste Discharge Requirements, consisting of Regional Board Order No. R4-2002-0030 (Series No. 013) and the new Monitoring and Reporting Program No. CI-8501.

The "Monitoring and Reporting Program" requires you to implement the monitoring program on the effective date of this enrollment (December 2, 2002) under Regional Board Order No. R4-2002-0030. All monitoring reports should 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-8501", which will assure that the reports are directed to the appropriate file and staff. Also, 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. Orlando H. Gonzalez at (213) 620-2267.

Sincerely,

Dennis A. Dickerson
Executive Officer

Enclosures:

1. Board Order No. R4-2002-0030
2. Monitoring and Reporting Program No. CI-8501
3. Standard Provisions applicable to Waste Discharge Requirements (addressee only)
4. Fact Sheet

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
Mr. Norman M. Chowdhury, Los Angeles Regional Water Quality Control Board, Underground Storage Tank Section
Ms. Diane Becker, Advanced GeoEnvironmental, Inc.
Mr. Jeff Nagler, WDR, Watermaster Central Basin
Dr. Bruce Moury, WRD, Southern California Water Replenishment District

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