



California Regional Water Quality Control Board

Los Angeles Region



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June 13, 2003

Mr. Frank David Balzer
Garlow Balzer Family Limited Partnership No. 1
3907 Via Verde
Thousand Oaks, CA 91360-6935

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7000 0520 0020 1693 5466

Dear Mr. Balzer:

GENERAL WASTE DISCHARGE REQUIREMENTS FOR GROUNDWATER REMEDIATION AT PETROLEUM HYDROCARBON FUEL AND/OR VOLATILE ORGANIC COMPOUND IMPACTED SITES – FORMER DEAN ALCO FACILITY, 5930 WEST JEFFERSON BOULEVARD, LOS ANGELES, CALIFORNIA (FILE NO. 03-010, SLIC NO. 142)

We have completed our review of your application for coverage under General Waste Discharge Requirements to inject Hydrogen Release Compound (HRC[®]) to groundwater at the subject site for use in in-situ bioremediation to address the volatile organic compounds in groundwater.

Garlow Balzer Family Limited Partnership No. 1 and Joan Jacqueline Garlow Trust (hereinafter Discharger) co-own the property located at 5930 West Jefferson Boulevard in Los Angeles, California. Subsurface investigations performed in 1989 identified the presence of petroleum hydrocarbons and volatile organic compounds (VOCs) in soil and groundwater beneath the southwestern corner of the site. From 1989 to 1998, several phases of investigation have been performed at the site to characterize the extent of the soil and groundwater contamination. The contaminants of concern for the site are 1,1,1-trichloroethane (1,1,1-TCA) and trichloroethene (TCE). 1,1,1-TCA was detected at 5,400 mg/kg in the soil and 14 mg/L in the groundwater. TCE was detected at 3,700 mg/kg in the soil and 5.8 mg/L in the groundwater.

In May 2001, the Discharger submitted a Remedial Action Plan (RAP) proposing to cleanup the soil by excavation of the VOC contaminated soil and to cleanup the groundwater by injection of sodium permanganate into the perched groundwater. In November 2001, the Discharger submitted an addendum to the RAP proposing to cleanup the perched groundwater beneath the source area by injecting hydrogen releasing compound (HRC[®]). HRC[®] is a polylactate ester used to remediate anaerobically degradable chlorinated hydrocarbons such as perchloroethene (PCE) and TCE. In May 2002, the Discharger submitted a second addendum to the RAP indicating that background groundwater sampling for Waste Discharge Requirements (WDRs) application would be performed during the sampling event scheduled for May/June 2002.

The "Remedial Action Plan, RAP Addendum I and Addendum II" was approved by Regional Board staff on July 5, 2002. Initially, HRC[®] will be injected through four injection points at 15 feet apart surrounding the source area. The second round of injection will consist of twenty injection points with a spacing of 15 to 20 feet in the vicinity of the source area (Figure 1). The injection rate of HRC[®] will be 8 pounds of HRC[®] per vertical foot of saturated zone per injection point. The targeted saturated zone is 18 to 25 feet below ground surface, resulting in a total of 32 pounds

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per injection point and 768 pounds for the entire injection field. The HRC[®] will be applied to the saturated zone using a Geoprobe 6600 truck and injection rig. A GS2000 single piston pump will be delivering the HRC[®] at each of the injection points at rates ranging from 3 to 10 gallons per minute.

Any potential adverse water quality impacts that may result shall be localized, of short-term duration, and shall not impact any existing or prospective uses of groundwater. Groundwater quality shall be monitored to verify no long-term adverse impact to water quality. There may be small increases associated with soluble gases such as methane, ethane, ethene, and carbon dioxide. The former Dean Alco facility is located in the City of Los Angeles at Latitude: 34° 1' 14" and Longitude: 118° 22' 38" (Figure 2). The quantities of HRC[®] injected shall be documented per the Monitoring and Reporting Program No. CI-8598.

Regional Board staff have reviewed the information provided and have determined that the proposed discharge meets the conditions specified in Regional Board 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 027) and Monitoring and Reporting Program No. CI-8598. Please note that the discharge limits in Attachment A (DWR Basin No. 4-11 (Santa Monica Basin)) of this Order No. R4-2002-0030 are applicable to your discharge.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of this enrollment (June 13, 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, please include a reference to Compliance File No. CI-8598, 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 questions, please contact Mr. David Koo at (213) 620-6155.

Sincerely,

Dennis A. Dickerson
Executive Officer

California Environmental Protection Agency

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Enclosures:

Board Order No. R4-2002-0030
Monitoring and Reporting Program No. CI-8598
Standard Provisions Applicable to Waste Discharge Requirements

cc: 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. B. Michael Hodge, Fairchild Holding Corporation
Mr. Gary Meyer, Esq., Parker, Milliken, Clark, O'Hara & Samuelian
Mr. David Rasmussen, Los Angeles Regional Water Quality Control Board,
Site Cleanup Unit II
Mr. Rick Blackmer, Equipoise Corporation

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