



California Regional Water Quality Control Board

Los Angeles Region



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

Linda S. Adams
Agency Secretary

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Arnold Schwarzenegger
Governor

January 19, 2007

Mr. Steve Lippman
Lippman Realty Partners
1021 Hilts Ave
Los Angeles, CA 90024

Dear Mr. Lippman:

GENERAL WASTE DISCHARGE REQUIREMENTS FOR RE-INJECTION OF TREATED GROUNDWATER FOR GROUNDWATER CLEANUP AT PETROLEUM HYDROCARBON FUEL AND/OR VOLATILE ORGANIC COMPOUND IMPACTED SITES – FORMER WENDY ARCO STATION, 2750 CAMINO DOS RIOS, NEWBURY PARK (ORDER NO. R4-2005-0030; SERIES NO. 068; CI NO. 9219)

We have completed our review of your application for coverage under General Waste Discharge Requirements to re-inject treated groundwater at the site referenced above in Newbury Park, California for groundwater remediation.

The site which is currently an El Pollo Loco restaurant was once an Arco gasoline station. It has undergone remedial efforts since 1996. Vapor extraction has been used concurrently with groundwater extraction, whereas treated groundwater had been released to the storm drain. On February, 28, 2000, this RWQCB retracted the permit since the treated water being released to the storm drain did not meet basin plan requirements due to high TDS concentrations. As consequence, the Discharger proposes to treat the extracted groundwater with activated carbon to remove the gasoline related compounds and re-inject the treated water back into the formation.

A letter dated August 17, 2006 from Ventura County Environmental Health Division approved Remedial Action Plan Addendum II to dispose of treated groundwater back into the affected aquifer. The Discharger is currently operating a vapor extraction system augmented with air-sparging at the site. The Discharger wishes to augment the system by extracting and treating groundwater and re-injecting the treated groundwater back into the formation from which it was extracted. Groundwater at the site is from 20 to 22 feet below ground surface. Groundwater flow is in northerly direction. There are nine wells at the site (figure 1) that have the capacity to be used as re-injection wells: each of the air-sparge/vapor extraction wells and groundwater monitoring wells GW-13 and GW-14. However, groundwater monitoring well GW-13 will be primarily used as the re-injection point, and groundwater monitoring well GW-14 will be used as secondary re-injection point. These wells are outside of the plume and should push some of the plume back to the extraction points thereby controlling the plume.

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.

Three 1,000-pound canisters of activated carbon would be installed. The water would be pumped from the knock-out pot of the extraction unit to a 600-gallon poly drum. The water would then be gravity-fed through the carbon vessels and then gravity-fed back into the formation. At the request of the Board, The Discharger collected a groundwater sample for data on the quality of the groundwater being re-injected back into the formation. The sample was analyzed for chlorides, sulfate, TDS, and Boron. The laboratory reported concentrations of 180 mg/L for chlorides, 130 mg/L for sulfate, 880 mg/L of TDS, and 0.0945 mg/L for Boron.

Regional Board staff has determined that the proposed discharge meets the conditions specified in Order No. R4-2005-0030, "Revised General Waste Discharge Requirements for Groundwater Remediation At Petroleum Hydrocarbon Fuel and/or Volatile Organic Compound Impacted Sites (General WDRs)," adopted by the State Water Resources Control Board on May 5, 2005.

Enclosed are your Waste Discharge Requirements, consisting of General WDRs Board Order No. 2005-0030 and Monitoring and Reporting Program No. CI-9219 and Standard Provisions.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of this enrollment (January 19, 2007) under Regional Board Order No. R4-2005-00030. 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-9219, 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. R4-2005-0030 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/R4-2005-0030/R4-2005-0030.pdf

If you have any questions, please contact Mr. Rod Nelson at (213) 576-6119.

Sincerely,

Jonathan S. Bishop
Executive Officer

Enclosures: 1. Board Order No. 2005-00030
2. Monitoring and Reporting Program No. CI-9219

cc: Mr. Andre LaMontagne, Winefield And Associates, Inc.