



California Regional Water Quality Control Board

Los Angeles Region



Alan C. Lloyd, Ph.D.
Agency Secretary

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

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Arnold Schwarzenegger
Governor

June 28, 2005

Mr. Robert C. Donovan
Vice President, Corporate Environmental Affairs
Tesoro Petroleum Companies, Inc.
3450 344th Way, Suite 100
Auburn, WA 98001

Dear Mr. Donovan:

GENERAL WASTE DISCHARGE REQUIREMENTS FOR BIOLOGICALLY ACTIVATED, GRANULAR ACTIVATED CARBON (BIOGAC) TREATED GROUNDWATER INJECTIONS AT FORMER FAST FUEL SITE, 11051 VICTORY BOULEVARD, NORTH HOLLYWOOD, CALIFORNIA (UST CASE FILE NO. 916061625, CI NO. 8907)

We have completed our review of your application for coverage under General Waste Discharge Requirements for the injection of treated petroleum hydrocarbon contaminated groundwater into the aquifer at the site referenced above in North Hollywood, California.

Tesoro (hereinafter Discharger) is conducting the groundwater cleanup activities at a former facility commonly known as the Fast Fuel site (Site) located at 11051 Victory Boulevard in North Hollywood, California (Figures 1). Fast Fuel was a gasoline retailer operating the station under an illicit subleased with a now bankrupted operator (Alameda Management Company). The Site, encompassing approximately 0.5 acres, was formerly used as a county landfill and subsequently as a gasoline station. The Discharger removed all onsite structure and fuel storage and dispensing equipment in February 1996. Currently, the site is owned and operated as parking lot for a Target Store.

Site investigations indicate that soil and groundwater have been contaminated with petroleum hydrocarbons. Historically, TPHg up to 280,000 µg/L, benzene up to 31,500 µg/L, and MTBE up to 128,000 µg/L were detected in the groundwater onsite. It was determined that groundwater contamination plume has migrated offsite. In July 2004, TPHg up to 6,900 µg/L and MTBE up to 5,900 µg/L were detected in the offsite groundwater monitoring well MW-19. The groundwater table was measured at approximately 212 feet below ground surface and the flow direction was toward the east-northeast.

A vapor extraction system (VES) has been operated at the site since October 2000 to cleanup soil contamination, and has removed approximately 22,000 pounds of hydrocarbons from the site. Currently the system is operating on a cycle of "two-week on and one-week off" in order to optimize soil remediation.

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The Site is located in the upper Los Angeles River area in the eastern portion of the San Fernando Groundwater basin. The near surface sediments at the site consist of interbedded silty sand, sandy silt, gravelly sand, and cobbles to a depth of 270 feet below ground surface (bgs). An elastic silt layer was encountered at approximately 240 feet bgs.

The City of Los Angeles, Department of Water and Power (LADWP) reported that many production wells are located near to this site and the closest two active drinking water wells (Whitnall No.4 and No.5) are located at 932 and 1,100 feet, respectively southwest of the site. The well screens for these production wells are set at a depth of 150 to 504 feet bgs. LADWP indicated that other inactive production wells might be activated in the near future, which would affect the direction of groundwater flow that is currently to the southeast. Current and historical groundwater flow directions are towards the east/southeast, placing Erwin Street well No. 1 (1-3831 H) directly downgradient from the Site.

An interim remedial measure (IRM) has been implemented since April 2004 to mitigate groundwater contamination plume in the offsite area. The IRM is composed of a groundwater pump-and-treatment system using biologically activated granular activated carbon. As of January 3, 2005, approximately 2,570,000 gallons of the impacted groundwater have been extracted and treated by the system.

On December 20, 2004, the Discharger proposed to expand the IRM to fully capture the groundwater contamination plume. Base on the results of groundwater pumping test and numerical modeling, the RAP presented four scenarios of groundwater pump-and-treatment, each with various pumping rates and/or re-injection rates of four selected wells. During a meeting on January 18, 2005 at the Regional Board, Option 4 (extract 10 GPM from MW-15, 20 GPM from MW-19, and re-inject 20 GPM into MW-25) was considered as the best option. This option would create a groundwater capture zone between MW-19 and MW-25, and prevent the groundwater contamination plume from traveling farther offsite.

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*," adopted by this Regional Board on April 19, 2005.

Enclosed are your Waste Discharge Requirements, consisting of Regional Board Order No. R4-2005-0030, the Monitoring and Reporting Program No. CI-8907, and the Standard Provisions.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of this enrollment under Regional Board Order No. R4-2005-0030. 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-8907, which will assure that the reports will be directed to the appropriate staff. Do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

Mr. Robert Donovan
Tesoro Petroleum Companies, Inc.
(Former Fast Fuel Site)

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June 28, 2005

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.

If you have any questions, please contact Mr. Rodney Nelson at (213) 620-6119.

Sincerely,

Original Signed by

Jonathan S. Bishop
Executive Officer

Enclosures: 1. Board Order No. R4-2002-0030
2. Monitoring and Reporting Program No. CI-8907
3. Standard Provisions Applicable to Waste Discharge Requirements

cc: Mr. Jeffrey Baker, Tesoro Petroleum Companies, Inc.
Ms. Elizabeth Robbins, Miller Brooks Environmental Inc.
Mr. David Luick, Target Stores
Lee & Keiter Development Company, property owner
Mr. Mark Mackowski, Assistant ULARA Watermaster
Mr. Jeff O'Keefe, State Department of Health Services

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