

## State Water Resources Control Board

### UST CASE CLOSURE REVIEW SUMMARY REPORT

#### Agency Information

Agency Name: Los Angeles Regional Water Quality Control Board (Regional Water Board)	Address: 320 West 4 <sup>th</sup> Street, Suite 200 Los Angeles, CA 90013
Agency Caseworker: Noman Chowdhury	Case No.: 908050070

#### Case Information

USTCF Claim No.: 15106	GeoTracker Global ID: T0603701763
Site Name: Sevlian Texaco Service Station (Former)	Site Address: 6954 Atlantic Avenue, Long Beach, CA 90805
Responsible Party: John Sevlian	Address: Private Address
USTCF Expenditures to Date: \$808,357	Number of Years Case Open: 31

To view all public documents for this case available on GeoTracker use the following URL:  
[http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0603701763](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701763)

#### Summary

The Low-Threat Underground Storage Tank (UST) Case Closure Policy (Policy) contains general and media-specific criteria, and cases that meet those criteria are appropriate for closure pursuant to the Policy. This case meets all of the required criteria of the Policy. Highlights of the case follow:

This case is an active commercial petroleum fueling facility. An unauthorized release was reported in December 1984. In March 1999 five USTs (two 6,000-gallon gasoline, two 4,000-gallon diesel and one 550-gallon waste oil) were removed. Batch dual phase extraction (DPE), conducted from September 2008 through October 2008, removed approximately 6,539 pounds of total petroleum hydrocarbons as gasoline (TPHg) and 38,309 gallons of contaminated groundwater. DPE conducted between October 2009 and December 2009, removed 7,246 pounds of TPHg and 13,803 gallons of contaminated groundwater. In a third DPE event in September 2011, reportedly 147,202 gallons of groundwater and 1,973 pounds of TPHg were removed in 2,048 hours of operation with asymptotic conditions reported. Active remediation has not been conducted for the past four years. Since 2001, 13 groundwater monitoring wells have been installed and regularly monitored. According to groundwater data, water quality objectives have been achieved or nearly achieved except benzene and methyl tert-butyl ether (MTBE) in the source area.

The petroleum release is limited to the soil and shallow groundwater. According to data available in GeoTracker, there are no public water supply wells within 1,000 feet of the projected plume boundary. No other water supply wells have been identified within 1,000 feet of the projected plume boundary in files reviewed. The Los Angeles River is located approximately 700 feet west and downgradient of the Site. The unauthorized release is located within the service area of a public water system, as defined in the Policy. The affected shallow groundwater is not currently being used as a source of drinking water, and it is highly unlikely that the affected shallow

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groundwater will be used as a source of drinking water in the foreseeable future. Other designated beneficial uses of the affected shallow groundwater are not threatened, and it is highly unlikely that they will be, considering these factors in the context of the site setting. Remaining petroleum hydrocarbon constituents are limited and stable, and concentrations are decreasing. Corrective actions have been implemented and additional corrective actions are not necessary. Any remaining petroleum hydrocarbon constituents do not pose a significant risk to human health, safety or the environment.

#### **Rationale for Closure under the Policy**

- General Criteria: The case meets all eight Policy general criteria.
- Groundwater Specific Criteria: The case meets Policy Criterion 1 by Class 5. The Los Angeles River is located approximately 700 feet west and downgradient of the Site; if not for this river, the case would meet Class 2. The contaminant plume that exceeds water quality objectives is less than 250 feet in length. There is no free product. The nearest water supply well is greater than 1,000 feet from the projected plume boundary. The dissolved concentration of benzene is less than 3,000 micrograms per liter ( $\mu\text{g/L}$ ) and the dissolved concentration of MTBE is less than 1,000  $\mu\text{g/L}$ . Although the Los Angeles River is located approximately 700 feet west and downgradient from the Site, the river is in a shallow concrete lined channel. Groundwater at the Site is greater than 30 feet belowground surface (significantly deeper than the base of the lined river channel), therefore the plume does not post a significant risk to the surface water body.
- Vapor Intrusion to Indoor Air: This active fueling facility meets the Active Commercial Petroleum Fueling Facility Exception. Exposure to petroleum vapors associated with historical fuel system releases is comparatively insignificant relative to exposures from small surface spills and fugitive vapor releases that typically occur at active fueling facilities.
- Direct Contact and Outdoor Air Exposure: This case meets Policy Criterion 3b. Although no document titled "Risk Assessment" was found in the files reviewed, a professional assessment of site-specific risk from potential exposure to residual soil contamination was completed by Fund staff. The results of the assessment found that maximum concentrations of petroleum constituents remaining in soil will have no significant risk of adversely affecting human health. The UST source of contaminant and associated soil has been largely removed. Three rounds of active remediation over a three year period resulted in non-detect or very low soil vapor concentrations of gasoline constituents indicative of asymptotic levels. The Site is paved and accidental exposure to site soils is prevented. Therefore, the pathway is incomplete. Any construction crew performing subsurface work will be prepared to deal appropriately with environmental hazards anticipated or encountered in their normal daily work.

#### **Determination**

The Fund Manager has determined that corrective action performed at the Site is consistent with the requirements of Health and Safety code section 25296.10, subdivision (a), and that closure of the case is appropriate.

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**Recommendation for Closure**

Based on available information, residual petroleum hydrocarbons at the Site do not pose a significant risk to human health, safety, or the environment, and the case meets the requirements of the Policy. Accordingly, the Fund Manager recommends that the case be closed. The State Water Board staff is conducting public notification as required by the Policy. Los Angeles County has the regulatory responsibility to supervise the abandonment of monitoring wells.

*Lisa Babcock*

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Lisa Babcock, P.G. 3939, C.E.G. 1235

*2/4/16*

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Date

Prepared by: Walter Bahm, P.E.