

## State Water Resources Control Board

### UST CASE CLOSURE REVIEW SUMMARY REPORT

#### Current Agency Information

Agency Name: State Water Resources Control Board (State Board)	Address: 1001 I Street Sacramento, CA 95814
Agency Caseworker: Matthew Cohen	Case No.: None

#### Former Agency Information

Former Agency Name: City of Los Angeles Fire Department (City)	Address: 200 North Main Street, Ste 1780 Los Angeles, CA 90012
Agency Caseworker: Eloy Luna	Case No.: TT0010163

#### Case Information

USTCF Claim No.: 15493	GeoTracker Global ID: T0603759539
Site Name: Venice Auto Center	Site Address: 2000 West Venice Blvd. Los Angeles, CA 90006
Responsible Party: Venice Auto Center Attn: Dionisio Rodriguez	Address: 2000 West Venice Boulevard Los Angeles, CA 90006
USTCF Expenditures to Date: \$61,570	Number of Years Case Open: 13

**URL:** [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0603759539](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603759539)

#### 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 auto repair facility. Five gasoline USTs were abandoned in 1979 and an unknown amount of contaminated soil was excavated to a depth of 11 feet below ground surface (bgs), removed, and replaced with clean fill in 1979. An unauthorized release was reported in August 2000 following the removal of one 5,000-gallon waste oil USTs in March 2000. Site assessment consisted of five soil borings around the former UST locations during which 79 soil samples were collected and analyzed. The extent of gasoline impacted soil is relatively well defined. The estimated non-detect limit of total petroleum hydrocarbons as gasoline (TPHg) is approximately 60-65 feet bgs, while the depth to groundwater is approximately 110 feet bgs (Signal Geoscience, January 2008). No active remediation has been conducted and no groundwater monitoring wells have been installed. This is a soil only case based on analytical soil data.

The petroleum release is limited to the soil. According to data available in GeoTracker, there are no supply wells regulated by the California Department of Public Health or surface water

bodies within 1,000 feet of the Site. No other water supply wells have been identified within 1,000 feet of the Site in files reviewed.

Water is provided to water users near the Site by the Los Angeles Department of Water and Power and the Metropolitan Water District of Southern California. 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 Exemption, Soil Only Case. There are not sufficient mobile constituents (leachate, vapors, or light non-aqueous liquids [LNAPL]) to cause groundwater to exceed the groundwater criteria in this Policy. The estimated non-detect limit of total petroleum hydrocarbons as gasoline (TPHg) is approximately 60-65 feet bgs, while the depth to groundwater is approximately 110 feet bgs (Signal Geoscience, January 2008).
- **Vapor Intrusion to Indoor Air:** The case meets Policy Criterion 2b. Although no document titled "Risk Assessment" was found in the files reviewed, a professional assessment of site-specific risk from exposure through the vapor intrusion pathway was performed by Fund staff. The assessment found that there is no significant risk of petroleum vapors adversely affecting human health. The Site is paved and accidental exposure to site soils is prevented. In addition, the onsite building is an active automotive repair facility with multiple rollup doors that would prevent the accumulation of soil vapors in the building. As an active automotive repair facility, there would adequate air exchange provided by the building's ventilation system required to control vehicle exhaust generated during automotive repair.
- **Direct Contact and Outdoor Air Exposure:** The case meets Policy Criterion 3a. Maximum concentrations in soil are less than those in Policy Table 1 for Commercial/Industrial use, and the concentration limits for a Utility Worker are not exceeded. There are no soil sample results in the case record for naphthalene. However, the relative concentration of naphthalene in soil can be conservatively estimated using the published relative concentrations of naphthalene and benzene in gasoline. Taken from Potter and Simmons (1998), gasoline mixtures contain approximately 2 percent benzene and 0.25 percent naphthalene. Therefore, benzene can be used as a surrogate for naphthalene concentrations with a safety factor of eight. Benzene concentrations from the Site are below the naphthalene thresholds in Policy Table 1. Therefore, the estimated naphthalene concentrations meet the thresholds in Table 1 and the Policy criteria for direct contact by a factor of eight. It is highly unlikely that naphthalene concentrations in the soil, if any, exceed the threshold.

#### **Objections to Closure and Responses**

According to the Path to Closure page in GeoTracker, final on December 13, 2013, the City opposes closure because:

- **Conceptual site model is inadequate.**  
**RESPONSE:** Adequate data is available in GeoTracker to prepare a conceptual site model consistent with the Policy.
- **Secondary source remains.**  
**RESPONSE:** According to the Policy, secondary source was removed by excavation to the extent practicable in 2000. The remaining residual petroleum has been defined between 40 and 60 feet bgs.

- The case does not meet Policy indoor vapor criteria.  
RESPONSE: The case meets Policy Criterion 2b because an unknown amount of soil contamination was removed to a depth of 11 feet bgs by excavation.
- The case does not meet Policy direct contact criteria.  
RESPONSE: The case meets Policy Criterion 3a based on soil analytical data and the excavation of contaminated soil and replacement with clean fill.

**Determination**

Based on the review performed in accordance with Health & Safety Code Section 25299.39.2 subdivision (a), the Fund Manager has determined that closure of the case is appropriate.

**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 is conducting public notification as required by the Policy. The State Board has the regulatory responsibility to supervise the abandonment of monitoring wells.

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

9/20/14  
Date

**Prepared by: Kirk Larson, P.G.**