



State Water Resources Control Board

UST CASE CLOSURE REVIEW SUMMARY REPORT

Agency Information

Table with 2 columns: Agency Name, Address, Agency Caseworker, Case No.

Case Information

Table with 2 columns: USTCF Claim No., Site Name, Responsible Party, USTCF Expenditures to Date, GeoTracker Global ID, Site Address, Address, Number of Years Case Open

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=T0606700439

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 March 1991. One gasoline UST was removed from the Site in March 1995, and four gasoline USTs and one waste oil UST were removed from the Site in January 1997. An unknown quantity of contaminated soil was excavated and disposed during UST removal activities in 1995 and 1997. Soil vapor extraction was performed between June 2000 and May 2004, and removed 33,721 pounds of petroleum hydrocarbons. The extraction rate was less than 5 pounds per day at shutdown. Active remediation has not been performed at the Site for 10 years. Between 2000 and 2012, one public supply well located approximately 600 feet downgradient of the Site has been sampled as part of Site activities and consistently indicated no detectable petroleum hydrocarbons or oxygenates. Thirteen groundwater monitoring wells have been installed at the Site and eight previously existing offsite groundwater monitoring wells were added to the Site monitoring program. Three of the 21 groundwater monitoring wells have been properly abandoned. Since 1993, the 13 onsite wells have been regularly monitored. The eight offsite wells have been regularly monitored through 2006 and irregularly monitored since 2006. According to groundwater data, water quality objectives have been achieved or nearly achieved for all constituents except total petroleum hydrocarbons as gasoline (TPHg) and methyl tertiary butyl ether (MTBE).

Fill-N-Save  
300 El Camino Avenue, Sacramento  
Claim No: 1313

The petroleum release is limited to the soil and shallow groundwater. According to data available in GeoTracker, there is one public water supply well approximately 500 feet downgradient of the projected plume boundary. No other water supply wells or surface water bodies have been identified within 1,000 feet of the projected plume boundary in files reviewed. The unauthorized release is located within the service area of a public water system, as defined in the Policy.

#### **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. A public supply well is located approximately 500 feet downgradient of the projected plume boundary. If not for this public water supply well this case would satisfy Policy Criterion 1 by Class 4. The contaminant plume that exceeds water quality objectives is less than 1,000 feet in length. There is no free product. The dissolved concentrations of benzene and methyl tertiary butyl ether (MTBE) are each less than 1,000 micrograms per liter ( $\mu\text{g/L}$ ). The downgradient public supply well was sampled regularly between 2000 and 2006, and most recently in 2012, and consistently indicated no detectable concentrations of petroleum hydrocarbons or oxygenates. Furthermore, the downgradient public supply well is one of three public supply wells in the vicinity of the Site that were removed from service in 2012 due to trichloroethene (TCE) and tetrachloroethene (PCE) detections from a regional groundwater contaminant plume. Therefore the Site does not pose a risk to the downgradient public supply well.
- **Vapor Intrusion to Indoor Air:** Onsite, the case meets the Policy Exclusion for Active Station. Soil vapor evaluation is not required because the Site is an active commercial petroleum fueling facility and the release characteristics do not pose an unacceptable health risk. The offsite land use downgradient (northeast) of the Site is residential. The offsite properties to the northeast meet Policy Criterion 2a by Scenario 3b. The maximum benzene concentration in groundwater is less than 1,000  $\mu\text{g/L}$ . The minimum depth to groundwater is greater than 10 feet, overlain by soil containing less than 100 milligrams per kilogram ( $\text{mg/kg}$ ) of total petroleum hydrocarbons (TPH).
- **Direct Contact and Outdoor Air Exposure:** The 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. An unknown quantity of contaminated soil was excavated and disposed during UST removal activities in 1995 and 1997. Soil vapor extraction was performed between June 2000 and May 2004, and removed 33,721 pounds of petroleum hydrocarbons. 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**

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.

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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. Sacramento 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

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Date

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