

State Water Resources Control Board

UST CASE CLOSURE REVIEW SUMMARY REPORT

Agency Information

Agency Name: Central Coast Regional Water Quality Control Board (Regional Water Board)	Address: 895 Aerovista Place, Suite 101 San Luis Obispo, CA 93401
Agency Caseworker: Chris Adair	Case No.: 2573

Case Information

USTCF Claim No.: 15615	GeoTracker Global ID: T0606700117
Site Name: J's Gas & Save	Site Address: 1114 Freedom Boulevard Watsonville, CA 95076
Responsible Party: Macedonio Medina	Address: Private Address
USTCF Expenditures to Date: \$778,947	Number of Years Case Open: 29

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=T0608700117

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 a former commercial petroleum fueling facility and is currently a paved vacant lot with a small shed remaining. An unauthorized release was reported in April 1996. Two gasoline USTs were removed in September 1999. Approximately 33 cubic yards of contaminated soil were removed in 2003. Soil vapor extraction was conducted between October 2007 and March 2008, which removed 9.4 pounds of total petroleum hydrocarbons and gasoline (TPHg). Active remediation has not been conducted for the past 7 years. Since 1996, nine groundwater monitoring and six remediation wells have been installed and monitored. According to groundwater data, water quality objectives have been achieved or nearly achieved except benzene and methyl tert-butyl ether (MTBE) in a limited number of wells.

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 defined plume boundary. There is one domestic water supply well approximately 800 feet southwest (downgradient) of the defined plume boundary. A pond lies approximately 700 feet southwest (downgradient) of the defined plume boundary. 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 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

J's Gas & Save
1114 Freedom Boulevard, Watsonville
Claim No: 15615

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

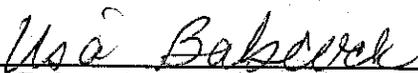
- **General Criteria:** The case meets all eight Policy general criteria.
- **Groundwater Specific Criteria:** The case meets Policy Criterion 1 by Class 5. There is one water supply well approximately 800 feet southwest (downgradient) of the defined plume boundary. A pond lies approximately 700 feet southwest (downgradient) of the defined plume boundary. However, the defined groundwater plume data show that these potential receptors are not threatened by contamination from this Site. The contaminant plume that exceeds water quality objectives is less than 250 feet in length. There is no free product. 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 $\mu\text{g/L}$. The regulatory agency determines, based on an analysis of site specific conditions, which under current and reasonably anticipated near-term future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame.
- **Vapor Intrusion to Indoor Air:** The case meets 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 (mg/kg) of TPH.
- **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.

Determination

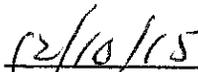
Based on the review performed in accordance with Health & Safety Code Section 25299.39.2 subdivision (a), the Fund Manager has determined that closure of the case is appropriate.

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 staff is conducting public notification as required by the Policy. Santa Cruz County has the regulatory responsibility to supervise the abandonment of monitoring wells.



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



Date

Prepared by: Kirk Larson, P.G.