

State Water Resources Control Board

UST CASE CLOSURE REVIEW SUMMARY REPORT

Agency Information

Agency Name: Alameda County Environmental Health Department (County)	Address: 1131 Harbor Bay Parkway Alameda, CA 94502
Agency Caseworker: Keith Nowell	Case No.: RO0000352

Case Information

USTCF Claim No.: 6627	GeoTracker Global ID: T0600101453
Site Name: Unocal #5484	Site Address: 18950 Lake Chabot Road Castro Valley, CA 94546
Responsible Party 1: Unocal Attn: Bob Boust	Address: PO Box 5155 San Ramon, CA 94583
Responsible Party 2: Conoco Phillips Attn: Terry Grayson	Address: 76 Broadway Street Sacramento, CA 95818
Responsible Party 3: Shukri Noor	Address: Private Address
Responsible Party 4: Abdi Fugfugosh	Address: Private Address
USTCF Expenditures to Date: \$0	Number of Years Case Open: 25

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=T0600101453

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 Site is an active commercial petroleum fueling facility. An unauthorized release was reported in June 1989 following the removal of three USTs (two gasoline, one waste oil). Approximately 1,800 cubic yards of impacted soil were excavated and disposed offsite in 1989. No other active remediation has been conducted. Since 1988, nine groundwater monitoring wells have been installed and monitored; five wells have been abandoned. According to groundwater data, water quality objectives have been achieved or nearly achieved for all constituents except benzene.

The petroleum release is limited to the soil and shallow groundwater. According to data available in GeoTracker, there are no public water supply wells or surface water bodies within 250 feet of the defined plume boundary. No other water supply wells have been identified within 250 feet of the defined plume boundary in files reviewed. 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 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 1. The contaminant plume that exceeds water quality objectives is less than 100 feet in length. There is no free product. The nearest water supply well or surface water body is greater than 250 feet from the defined plume boundary.
- 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. Offsite, the case meets Policy Criterion 2a by Scenario 3a. The maximum benzene concentration in groundwater is less than 100 micrograms per liter ($\mu\text{g/L}$). The minimum depth to groundwater is greater than 5 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.

Objections to Closure and Responses

According to the Path to Closure page in GeoTracker, finalized on June 27, 2014, the County objects to UST case closure because:

- Inadequate conceptual site model.
RESPONSE: Adequate data is available in GeoTracker to develop a conceptual site model as defined by the Policy.
- The case does not meet Policy groundwater criteria.
RESPONSE: The case meets Policy Criterion 1 by Class 1. In addition, a September 2014 report demonstrated the case meets Policy criteria for vapor intrusion to indoor air, direct contact and outdoor air exposure risk. Historically, diesel concentrations in groundwater were low and did not pose significant risk to human health and the environment.

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.

Unocal #5484
18950 Lake Chabot Road, Castro Valley
Claim No: 6627

October 2014

Alameda County has the regulatory responsibility to supervise the abandonment of monitoring wells.

Lisa Babcock

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

11/19/14

Date

Prepared by: Kirk Larson, P.G.