

State Water Resources Control Board

UST CASE CLOSURE REVIEW SUMMARY REPORT

Agency Information

Agency Name: Orange County Health Care Agency (County)	Address: 1241 East Dyer Road, Suite 120 Santa Ana, CA 92705
Agency Caseworker: Julie Wozencraft	Case No.: 87UT105

Case Information

USTCF Claim No.: 4557	Global ID: T0605900544
Site Name: Shell Oil	Site Address: 15501 Beach Boulevard Westminster, CA 92683
Responsible Party: Shell Oil Products US	Address: 20945 S. Wilmington Avenue, Carson, CA 90810
USTCF Expenditures to Date: \$1,040,064	Number of Years Case Open: 27

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=T0605900544

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 May 1987. An unknown volume of impacted soil was excavated in 2002. Soil vapor extraction was conducted briefly in 1993. Groundwater extraction system was installed but not operated. Dual phase extraction was conducted for 48 hours in August 2002, which removed 483 pounds of total petroleum hydrocarbons as gasoline (TPHg). Oxygen was injected intermittently between 2005 and 2007. Since 2000, 19 groundwater monitoring wells have been installed and monitored. According to groundwater data, water quality objectives have been achieved or nearly achieved for all constituents except benzene and methyl tert-butyl ether (MTBE).

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

Shell Oil
15501 Beach Blvd, Westminster
Claim No: 4557

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 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 or surface water body is greater than 1,000 feet from the defined 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 $\mu\text{g/L}$.
- Vapor Intrusion to Indoor Air: 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.
- 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

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.

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

Lisa Babcock

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

7/6/15

Date

Prepared by: Kirk Larson, P.G.

**Objections to Closure and Responses for
Shell Oil Station Located at 15501 Beach Blvd, Westminster
Claim 4557**

February 3, 2015 a telephone conference call was postponed by the County to discuss their objections to closure if the State Water Board posted a response to their concerns. Their concerns are addressed below.

According to a January 26, 2015 email, the County objects to UST case closure because:

- Comment: Inadequate conceptual site model; the vertical and lateral extent is not defined specifically CPT-18 detected concentrations of MTBE at 55 feet bgs.
Response: Adequate data is available in GeoTracker to develop a conceptual site model as defined by the Policy. The existing monitoring well network, including MW-1S, defines the lateral extent of MTBE in groundwater. Additionally, the CPT-18 detection of MTBE at 55 feet bgs at a concentration of 3.8 µg/L, defines the vertical extent to below the secondary WQL.