

State Water Resources Control Board

UST CASE CLOSURE REVIEW SUMMARY REPORT

Agency Information

Current Agency: State Water Resources Control Board (State Water Board)	Address: 1001 I Street Sacramento, CA 95814
Agency Caseworker: Matthew Cohen	

Former Agency Information

Former Agency: City of Los Angeles	Address: 200 North Main Street, Suite 1780 Los Angeles, CA 90012
Agency Caseworker: Eloy Luna	Case No.: TT24437-8375

Case Information

USTCF Claim No.: 10563	GeoTracker Global ID: T0603702575
Site Name: Former Arco #1680	Site Address: 5158 Laurel Canyon Blvd Studio City, CA 91604
Responsible Party: Tesoro Refining & Marketing Attn: Danny Monson	Address: 6 Centerpointe Drive La Palma, CA 90623-1066
USTCF Expenditures to Date: \$0	Number of Years Case Open: 22

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702575

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 October 1991. Four gasoline USTs and one waste oil UST were removed in 1998 and 1988, respectively. Approximately 63 cubic yards of impacted soil were excavated and disposed of offsite in 1993. Soil vapor extraction conducted from May 2007 to July 2007, reportedly removed approximately 1,980 pounds of total petroleum hydrocarbons as gasoline. Since 2013, one groundwater monitoring well has been installed. According to groundwater data, water quality objectives have been or nearly achieved in that well. Grab groundwater samples collected in boring that surround the well confirm the petroleum hydrocarbon constituents in groundwater are very limited in lateral extent.

The petroleum release is limited to the soil and shallow groundwater. According to data available in GeoTracker, there are no public supply wells 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. The unauthorized release is located within the service area of a public water system, as defined in the Policy. The affected groundwater is not currently being used as a source of drinking water, and it is highly unlikely that the affected groundwater will be used as a

FELICIA MARCUS, CHAIR | THOMAS HOWARD, EXECUTIVE DIRECTOR

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source of drinking water in the foreseeable future. Other designated beneficial uses of impacted 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: 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 Residential 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

The City of Los Angeles objected to UST case closure (GeoTracker July 19, 2013 "Path to Closure") because:

- The secondary source has not been removed to the extent practicable and the site is not considered low-threat for direct contact and outdoor air exposure as it does not meet Policy Criteria.

RESPONSE: Based on the soil sampling results collected between 2003 and 2013 the secondary source has been removed to the extent practical. The residual petroleum hydrocarbons that remain in soil are between approximately 15 and 50 feet bgs which do not pose a threat to groundwater at 135 feet bgs or human health. The case meets all Policy criteria and does not pose a significant risk to human health, safety or 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.

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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 is conducting public notification as required by the Policy.

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

11/5/14
Date

Prepared by: Mark Owens, P.E.