

State Water Resources Control Board

UST CASE CLOSURE SUMMARY

Agency Information

Current Agency Name: State Water Resources Control Board (State Water Board)	Address: 1001 I Street, P.O. Box 2231 Sacramento, CA 95812
Current Agency Caseworker: Mr. Matthew Cohen	Case No.: N/A

Former Agency Name: Los Angeles County Department of Public Works (Prior to 7/1/2013)	Address: 900 South Fremont Avenue Alhambra, CA 91803
Former Agency Caseworker: Mr. Phillip Gharibians-Tabrizi	Case No.: 032282-053705

Case Information

USTCF Claim No.: None	Global ID: T10000004670
Site Name: City of Lancaster	Site Address: 45417 North Sierra Highway Lancaster, CA 93534
Responsible Party: City of Lancaster Attention: Ms. Jocelyn Swain	Address: 44933 Fern Avenue Lancaster, CA 93534
USTCF Expenditures to Date: N/A	Number of Years Case Open: 5

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000004670

Summary

The Low-Threat Underground Storage Tank 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.

Residual petroleum constituents at the Site were discovered when six underground storage tanks (USTs) were removed in November 2009. Approximately 70 tons of impacted soil were removed and transported off-Site for disposal at the time of USTs removal. Low concentrations of total petroleum hydrocarbons were identified in soil samples beneath the former USTs. Benzene and methyl tert-butyl ether were not detected in all soil samples. The Site is currently a vacant lot.

Groundwater was not encountered during the UST removal to a maximum explored depth of approximately 23 feet below ground surface (bgs). Depth to water is estimated to be 58 to 62 feet bgs. The nearest public supply well and surface water body are greater than 1,000 feet from the Site.


Additional corrective action will not likely change the conceptual site model. Residual petroleum constituents pose a low risk to human health, safety, and the environment.

Rationale for Closure under the Policy

- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy.
- Groundwater Media-Specific Criteria – Site releases **HAVE NOT LIKELY AFFECTED GROUNDWATER**. Groundwater was not encountered during the UST removal to a maximum explored depth of approximately 23 feet bgs. Depth to water is estimated to be 58 to 62 feet bgs. There are not sufficient mobile constituents (leachate, vapors, or light non-aqueous phase liquids) to cause groundwater to exceed the groundwater criteria in this Policy.
- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets **CRITERIA 2 (b)**. A Site-specific risk assessment for the vapor intrusion pathway was conducted. The assessment found that there is a low risk of petroleum vapors adversely affecting human health. The Site is currently a vacant lot with no buildings present to act as an indoor receptor for petroleum vapor. While shallow soil samples at less than 10 feet bgs were not collected during the 2009 UST removal, soil samples collected at 10 feet bgs did not contain detectable concentrations of petroleum constituents.
- Direct Contact and Outdoor Air Exposure Criteria – Site meets **CRITERIA 3 (b)**. A Site-specific risk assessment of the direct contact and outdoor air exposure pathway was conducted. The assessment found that there is no significant risk of residual petroleum constituents adversely affecting human health. While shallow soil samples (less than 10 feet bgs) were not collected at the time of UST removal, samples collected at 10 feet and 14 feet bgs did not contain detectable concentrations of petroleum hydrocarbons, and the 385 cubic yards of overburden soil excavated was deemed to be clean, based on visual and PID monitoring, and used, along with 800 cubic yards of clean imported fill as excavation backfill.

Recommendation for Closure

The corrective action performed at this Site ensures the protection of human health, safety, and the environment, and is consistent with chapter 6.7 of the Health and Safety Code and implementing regulations, applicable state policies for water quality control, and the applicable water quality control plan, and case closure is recommended.



George Lockwood, PE No. 59556
Senior Water Resource Control Engineer

12/2/2014

Date

