

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. Tim Smith	Case No.: 009090-044704

Case Information

USTCF Claim No.: None	Global ID: T10000000631
Site Name: Littlerock Mini & Gas	Site Address: 7225 Pearblossom Highway Littlerock, CA 93543 (Site)
Responsible Party: Littlerock Mini & Gas Attention: Mr. Lawrence J. Coates	Address: 44709 Date Avenue Lancaster, CA 93536
USTCF Expenditures to Date: N/A	Number of Years Case Open: 9

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000000631

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.

The Site is operated as an active retail fueling facility. Residual petroleum constituents in soil at the Site were discovered when three underground storage tanks, along with associated dispensers and product piping, were removed in October 2005. Elevated concentrations of total petroleum hydrocarbons as diesel (TPHd) were identified at three to four feet beneath the former dispensers. Other petroleum constituents were non-detect in all soil samples, except for low concentrations of toluene, ethylbenzene, xylenes, and total petroleum hydrocarbons as gasoline (TPHg) in a few soil samples beneath the former UST and dispensers.

The petroleum impacted soil in these areas was over-excavated to 9.5 and 10 feet below ground surface (bgs). Confirmation soil samples after excavation indicated TPHd and TPHg were detected at lower levels than before the over-excavation, indicating attenuation with depth. Toluene, ethylbenzene, and xylenes were not detected in the confirmation soil samples. Approximately 50 tons of impacted soil were excavated and transported off-Site for disposal. Groundwater was not encountered to the

Littlelock Mini & Gas
7225 Pearblossom Highway, Littlelock, Los Angeles County

maximum depth explored at approximately 13 feet bgs. Depth to water is estimated to be approximately 55 to 60 feet bgs.

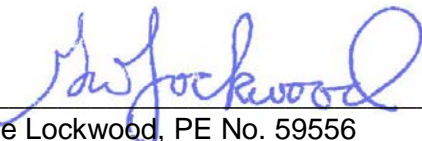
The nearest public supply well and surface water body are greater than 1,000 feet from the Site. Additional corrective action will not likely change the conceptual site model. Residual petroleum constituents pose a low risk to human health, safety, and the environment.

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**. There are not sufficient mobile constituents (leachate, vapors, or light non-aqueous-phase liquids) to cause groundwater to exceed the groundwater criteria.
- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets **EXCEPTION**. Exposure to petroleum vapors associated with historical fuel system releases is comparatively insignificant relative to exposures from small surface spills and fugitive vapor releases that typically occur at active fueling facilities.
- Direct Contact and Outdoor Air Exposure Criteria – Site meets **CRITERIA (3) a**. Maximum concentrations of petroleum constituents in soil from confirmation soil samples are less than or equal to those listed in Table 1 of the Policy. The estimated naphthalene concentrations are less than the thresholds in Table 1 of the Policy for direct contact. 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% benzene and 0.25% naphthalene. Therefore, benzene concentrations 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 Table 1 of the Policy. Therefore, estimated naphthalene concentrations meet the thresholds in Table 1 of the Policy criteria for direct contact with a safety factor of eight. It is highly unlikely that naphthalene concentrations in the soil, if any, exceed the threshold.

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.



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Senior Water Resource Control Engineer

9/26/2014

Date

