

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 95812-2231
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. John Awujo	Case No.: 002679-025842

Case Information

USTCF Claim No.: None	Global ID: T0603799268
Site Name: U.S. Gas & Mini Mart	Site Address: 105 East Palmdale Boulevard Palmdale, CA 93550 (Site)
Responsible Party: U.S. Gas & Mini Market Attention: Mr. Alazani Moawia	Address: 105 East Palmdale Boulevard Palmdale, CA 93550
USTCF Expenditures to Date: N/A	Number of Years Case Open: 16

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603799268

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 operating as an active fueling facility. Residual petroleum constituents in soil at the Site were discovered during the underground storage tanks (USTs) removal and replacement in September 1998. Approximately 180 tons of petroleum impacted soil were removed and transported off-Site. Twenty four soil samples were collected at the Site. Soil samples results indicated that low petroleum constituents were limited to the dispensers at approximately two and one-half feet below ground surface (bgs). Groundwater was not encountered at the maximum depth explored (approximately 15 feet bgs). Depth to groundwater is approximately 55 feet bgs at a nearby site.

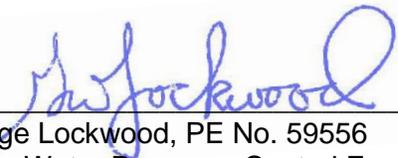
The nearest public supply well and surface water body are greater than 1,000 feet from the Site. Corrective action has been implemented and further corrective action is not necessary. Additional corrective action will not likely change the conceptual site model. Residual petroleum constituents pose a 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 has not been encountered to a maximum explored depth of approximately 15 feet bgs. There are not sufficient mobile constituents (leachate, vapors, or light non-aqueous phase liquid) to cause groundwater to exceed the groundwater criteria in this Policy.
- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets **EXCEPTION** for vapor intrusion to indoor air. The Site is an active petroleum fueling facility and has no release characteristics that can be reasonably believed to pose an unacceptable health risk. Exposure to petroleum vapors associated with historical fuel system releases is comparatively low 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.



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

8/4/14

Date

