

State Water Resources Control Board

UNDERGROUND STORAGE TANK (UST) CASE CLOSURE SUMMARY

Agency Information

Agency Name: Los Angeles Regional Water Quality Control Board (Los Angeles Water Board)	Address: 320 West 4 th Street, Suite 200 Los Angeles, CA 90013
Agency Caseworker: Mr. Nhan Bao	Case No.: I-02871

Case Information

UST Cleanup Fund (Fund) Claim No.: N/A	Global ID: T0603702870
Site Name: Former Mobil #18-GP9	Site Address: 17122 South Pioneer Boulevard Artesia, CA 90701 (Site)
Responsible Party: Circle K Stores, Inc. – West Coast Division Attention: Mr. Rex Abacan	Address: 255 East Rincon, Suite 100 Corona, CA 92879
Fund Expenditures to Date: \$0	Number of Years Case Open: 28

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702870

Summary

This case has been proposed for closure by the State Water Resources Control Board at the request of the Los Angeles Water Board, which concurs with closure.

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 currently an active fueling facility. The release was discovered when petroleum constituents were detected in soil samples obtained during the USTs replacement at the Site in 1987. A total of 200 cubic yards of petroleum impacted soil were over-excavated and removed from the Site at that time. Fuel dispensers and product piping were upgraded in 2001. In 1998 and 1999, 300 gallons of impacted groundwater were removed from multiple over-purge events conducted at the Site. A groundwater pump-and-treat system operated at the Site between 2006 and 2014, removing 3,554,162 gallons of impacted groundwater.

Former Mobil #18-GP9
17122 South Pioneer Boulevard, Artesia

There are no active water supply wells or surface water bodies identified within 1,000 feet of the Site. There is one inactive water supply well located 460 feet east of the Site. This well is not used for potable water. It is used to manufacture ice blocks for artificial snow. Petroleum constituents were not detected in this well during the last sampling event in 1987.

The areal extent of groundwater plume is limited. The affected shallow groundwater is not currently a source of drinking water, nor is it expected to be in the foreseeable future. Remaining petroleum constituents are limited, stable, and decreasing. Additional assessment would be unnecessary and will not likely change the conceptual model. Any remaining petroleum constituents do not pose significant risk to human health, safety, or the environment under current conditions.

Rationale for Closure under the Policy

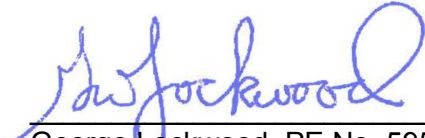
- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy.
- Groundwater Media-Specific Criteria – Site meets the criteria in **Class 1**. The contaminant plume that exceeds water quality objectives is less than 100 feet in length. There is no free product. The nearest existing water supply well or surface water body is greater than 250 feet from the defined plume boundary.
- Petroleum Vapor Intrusion to Indoor Air – Site meets the **EXCEPTION** for vapor intrusion to indoor air. Exposure to petroleum vapors associated with historical fuel system releases are 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 – 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.

There are no soil samples 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 and 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.

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Recommendation for Closure

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



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

10/29/2015

Date

