

State Water Resources Control Board

UST CASE CLOSURE SUMMARY

Agency Information

Current Agency Name: Los Angeles Regional Water Quality Control Board	Address: 320 West 4 th Street, Suite 200 Los Angeles, CA 90013
Current Agency Caseworker: Mr. Noman Chowdhury	Case No.: R-05731A

Case Information

USTCF Claim No.: None	Global ID: T10000001248
Site Name: 76 Station #4867	Site Address: 8845 Whittier Boulevard Pico Rivera, CA 90660 (Site)
Responsible Party: Chevron Environmental Management Company Attention: Ms. Nicole Arceneaux	Address: 6101 Bollinger Canyon Road, Room 5305 San Ramon, CA 94583
USTCF Expenditures to Date: N/A	Number of Years Case Open: 12

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000001248

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 release at the Site was discovered when low concentrations of petroleum constituents were identified at approximately four feet below ground surface (bgs) in soil samples obtained during dispenser and piping replacement at the Site in July 1995. Approximately 60 tons of impacted soil were removed and disposed off-site during the July 1995 dispenser and piping upgrades. Additional subsurface investigation in 2003 and 2011 identified low concentrations of petroleum constituents in the vicinity of the dispenser islands. The Site is operated as an active fueling facility.

Groundwater was most recently measured at greater than 50 feet bgs. Petroleum constituents have never been detected in any of the monitoring wells. The nearest existing 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.

76 Station #4867
8845 Whittier Boulevard, Pico Rivera, Los Angeles County

- Groundwater Media-Specific Criteria – The 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 water supply well or surface water body is greater than 250 feet from the defined plume boundary.
- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets **EXCEPTION**. The Site is operated as an active fueling facility. 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 **CRITERION 3 (a)**. Maximum concentrations of residual petroleum constituents in soil 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 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.

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

3/2/2015

Date

