

## 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 <sup>th</sup> Street, Suite 200 Los Angeles, CA 90013
Agency Caseworker: Mr. Noman Chowdhury	Case No.: R-24759

#### Case Information

UST Cleanup Fund (Fund) Claim No.: 16419	Global ID: T0603705464
Site Name: Tosco - 76 Station #4330	Site Address: 4870 Bellflower Boulevard Lakewood, CA 90713 (Site)
Responsible Party: Chevron Environmental Management Company Attention: Ms. Jillian Holloway	Address: 6101 Bollinger Canyon Road, Suite 5338B San Ramon, CA 94583
Fund Expenditures to Date: \$0	Number of Years Case Open: 24

**URL:** [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0603705464](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705464)

#### 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 station. The release at the Site was discovered during a leak detection test in March 1992. In July 1998, USTs, dispensers, and product lines were upgraded. A total of 17 cubic yards of petroleum constituent laden soil was removed from the Site at that time. An ozone injection system operated at the Site from November 2009 through January 2012. A soil vapor extraction (SVE) system operated at the Site from December 2009 through December 2011 and again during January and February of 2013. The SVE system removed 19,254 pounds of vapor phase petroleum constituents.

The groundwater contaminant plume that exceeds water quality objectives (WQOs) is limited in areal extent and decreasing. Remaining petroleum constituents are limited, stable, and decreasing. Additional assessment would be unnecessary and will not likely change the

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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**

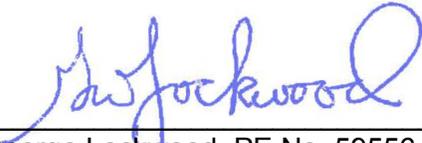
- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy.
- Groundwater Media-Specific Criteria – Site meets the criteria in **Class 1**. The contaminant plume that exceeds WQOs is less than 100 feet in length. There is no free product. The nearest existing water supply well or 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.

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

2/23/2016  
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Date

