

## State Water Resources Control Board

### 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 900013
Agency Caseworker: David Bjostad	Case No.: I-12101A

#### Case Information

USTCF Claim No.: N/A	Global ID: T0603781463
Site Name: ARCO Station	Site Address: 2087 South Reservoir Street Pomona, CA 91766 (Site)
Responsible Parties: HCH Service Station, Inc. Attention: Hatch Chau	Address: 2087 South Reservoir Street Pomona, CA 91766
USTCF Expenditures to Date: \$0	Number of Years Case Open: 7

URL: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0603781463](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603781463)

#### 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 the 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 case was opened at the Site in July 2007 after methyl tertiary butyl ether (MTBE) was detected in the City of Pomona Groundwater Well Number 29, located approximately 3,000 feet from the Site. A release was previously reported at the Site in May 1992 and a No Further Action letter was issued in regards to the release in June 2005. Two soil borings were advanced at the Site in September 2008 to depths of 50 and 200 feet below ground surface (bgs), the latter of which was completed as a monitoring well. Trace concentrations of petroleum hydrocarbons were detected in soil at 15 feet bgs, none were detected in deeper samples. Groundwater was encountered at approximately 180 feet bgs and monitored quarterly from September 2008 through July 2009; petroleum constituents were not detected above laboratory reporting limits in groundwater samples.

Only minor concentrations of petroleum constituents were detected in soil at the Site. 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.

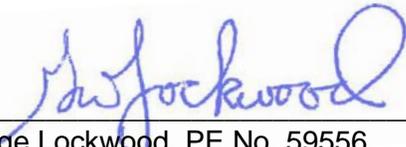
### Rationale for Closure under the Policy

- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy.
- Groundwater Media-Specific Criteria – Site releases **Have Not Likely Affected Groundwater**. Soil does not contain sufficient mobile constituents (leachate, vapors, or light non-aqueous-phase liquids) to cause groundwater to exceed the groundwater criteria in this Policy.
- 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.

### Recommendation for Closure

The corrective action performed at this Site ensures the protection of human health, safety, 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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George Lockwood, PE No. 59556  
Senior Water Resource Control Engineer

6/5/2015

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Date

