

## State Water Resources Control Board

### UST CASE CLOSURE REVIEW SUMMARY REPORT

#### Agency Information

Agency Name: Los Angeles Regional Water Quality Control Board (Regional Water Board)	Address: 320 West 4 <sup>th</sup> Street, Suite 200, Los Angeles, CA 90013
Agency Caseworker: Ahmad Lamaa	Case No.: R-10937

#### Case Information

USTCF Claim No.: 16318	Global ID: T0603704982
Site Name: Thrifty #34/ ARCO #9528	Site Address: 7532 East Rosecrans Avenue, Paramount, CA 90723
Responsible Party: Thrifty Oil Company Attn: Chris Panaitescu	Address: 13539 East Foster Road, Santa Fe Springs, CA 90670
USTCF Expenditures to Date: \$755,849	Number of Years Case Open: 17

To view all public documents for this case available on GeoTracker use the following URL:  
[http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0603704982](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704982)

#### Summary

The Low-Threat Underground Storage Tank (UST) 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. Highlights of the case follow:

The Site is an active commercial petroleum fueling facility in Paramount. An unauthorized release was reported in February 1998. Soil vapor extraction and air sparging were conducted between March 2003 and September 2005 for a total of 15,191 hours, which removed 50,936 pounds of total petroleum hydrocarbons as gasoline (TPHg). Periodic dual phase batch extraction was conducted between November 2007 and February 2008 for a total of 144 hours, which removed 247 pounds of TPHg and 10,970 gallons of contaminated groundwater. Periodic high vacuum dual phase extraction events were conducted in November 2008 for a total of 144 hours, which removed 423 pounds of TPHg and 44,669 gallons of contaminated groundwater. Groundwater over-purging has removed 61,464 gallons of contaminated groundwater. Since 2003, 12 monitoring wells have been installed and monitored regularly. According to groundwater data, water quality objectives have been achieved or nearly achieved for all constituents except methyl tert-butyl ether (MTBE) and tert-butyl-alcohol (TBA).

The petroleum release is limited to the soil and shallow groundwater. According to data available in GeoTracker, there are no public supply wells or surface water bodies within 250 feet of the defined plume boundary. No other water supply wells have been identified within 250 feet of the defined plume boundary in files reviewed. The unauthorized release is located within the service area of a public water system, as defined in the Policy. The affected groundwater is not currently being used as a source of drinking water, and it is highly unlikely that the affected groundwater will be used as a source of drinking water in the foreseeable future. Other

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designated beneficial uses of impacted groundwater are not threatened and it is highly unlikely that they will be, considering these factors in the context of the site setting. Remaining petroleum hydrocarbon constituents are limited and stable, and concentrations are decreasing. Corrective actions have been implemented and additional corrective actions are not necessary. Any remaining petroleum hydrocarbon constituents do not pose a significant risk to human health, safety or the environment.

#### **Rationale for Closure under the Policy**

- General Criteria: The case meets all eight Policy general criteria.
- Groundwater Specific Criteria: The case meets Policy Criterion 1 by Class 2. The contaminant plume that exceeds water quality objectives is less than 250 feet in length. There is no free product. The nearest water supply well or surface water body is greater than 1,000 feet from the defined plume boundary. The dissolved concentration of benzene is less than 3,000 micrograms per liter ( $\mu\text{g/L}$ ), and the dissolved concentration of MTBE is less than 1,000  $\mu\text{g/L}$ .
- Vapor Intrusion to Indoor Air: The case meets the Policy Exclusion for an Active Commercial Petroleum Fueling Facility. Soil vapor evaluation is not required because the Site is an active commercial petroleum fueling facility and the release characteristics do not pose an unacceptable health risk.
- Direct Contact and Outdoor Air Exposure: The case meets Policy Criterion 3a. Maximum concentrations in soil are less than those in Policy Table 1 for Commercial/Industrial use, and the concentration limits for a Utility Worker are not exceeded. 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 percent benzene and 0.25 percent naphthalene. Therefore, benzene 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 Policy Table 1. Therefore, the estimated naphthalene concentrations meet the thresholds in Table 1 and the Policy criteria for direct contact by a factor of eight. It is highly unlikely that naphthalene concentrations in the soil, if any, exceed the threshold.

#### **Agency Response**

The Regional Water Board has no objections to closure per the January 28, 2014 email communication to the Fund.

#### **Determination**

Based on the review performed in accordance with Health & Safety Code Section 25299.39.2 subdivision (a), the Fund Manager has determined that closure of the case is appropriate.

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**Recommendation for Closure**

Based on available information, residual petroleum hydrocarbons at the Site do not pose a significant risk to human health, safety, or the environment, and the case meets the requirements of the Policy. Accordingly, the Fund Manager recommends that the case be closed. The State Water Board is conducting public notification as required by the Policy. Los Angeles County has the regulatory responsibility to supervise the abandonment of monitoring wells.

*Lisa Babcock*

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Lisa Babcock, P.G. 3939, C.E.G. 1235

*4/16/15*

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Date

Prepared by: Kirk Larson, P.G.