

## State Water Resources Control Board

### UST CASE CLOSURE REVIEW SUMMARY REPORT

#### Agency Information

Agency Name: State Water Resources Control Board (State Water Board)	Address: 1001 "I" Street, 15th Floor Sacramento, CA 95814
Agency Caseworker: Matthew Cohen	Case No.: NA

#### Former Agency Information

Agency Name: Los Angeles County	Address: 900 S. Fremont Avenue, Alhambra, CA 91803
Agency Caseworker: John Awujo	Case No.: TT013061-013329

#### Case Information

USTCF Claim No.: 13312	GeoTracker Global ID: T0603704816
Site Name: City of South Pasadena	Site Address: 1414 Mission Street South Pasadena, CA 91030
Responsible Party: City of South Pasadena Attn: Jim Parker	Address: 1414 Mission Street South Pasadena, CA 91030
USTCF Expenditures to Date: \$8,789	Number of Years Case Open: 14

URL: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0603704816](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704816)

#### 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. A summary evaluation of compliance with the Policy is shown in **Attachment 1: Compliance with State Water Board Policies and State Law**. The Conceptual Site Model upon which the evaluation of the case has been made is described in **Attachment 2: Summary of Basic Case Information (Conceptual Site Model)**. Highlights of the case follow:

The unauthorized petroleum release in this case was determined to be confined to the soil only and also limited both areally and vertically. The Site is a petroleum fueling facility used solely by City of South Pasadena fire and police department vehicles. The unauthorized release was reported in June 1999 following a surface release due to a faulty foot valve on a UST in February 1998 and UST related piping failure in April 1998. The dispensers and piping of the USTs were upgraded in 2004.

According to data available in GeoTracker, there are no supply wells regulated by the California Department of Public Health or surface water bodies within 1000 feet of the Site. No other water supply wells have been identified within 1000 feet of the Site in files reviewed. Water is provided to water users near the Site by the City of South Pasadena Public Works. The 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 has only limited soil contamination which can be considered low-threat for the groundwater medium. Not only has the release not impacted groundwater but it also does not contain sufficient mobile constituents to be a source of groundwater pollution. Petroleum hydrocarbons at concentrations of 32 milligram per kilogram of Total Petroleum Hydrocarbons measured as diesel and 220 of microgram per kilogram of xylenes were reported in confirmation sampling at approximately five feet beneath the dispensers completed in March 2004. These were the only detections of petroleum hydrocarbons in 10 locations sampled beneath the UST, piping and dispensers. Groundwater beneath the Site is estimated to be approximately 50 feet bgs.
- Vapor Intrusion to Indoor Air: This case meets Policy Criterion 2b. Although no document titled "Risk Assessment" was found in the files reviewed, a professional assessment of site-specific risk from potential exposure to petroleum constituents was performed by Fund staff. The assessment found that there is no significant risk of petroleum vapors adversely affecting human health.
- 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.

### Objections to Closure and Responses

No objections recorded in GeoTracker.

### 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.

### 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.



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



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Date

Prepared by: Ramesh Sundareswaran