

## State Water Resources Control Board

### UST CASE CLOSURE SUMMARY

#### Agency Information

Current Agency Name: State Water Resources Control Board	Address: 1001 I Street, P.O. Box 2231 Sacramento, CA 95812
Current Agency Caseworker: Mr. Matthew Cohen	Case No.: N/A

Former Agency Name: City of Los Angeles Fire Department (Prior to 7/1/2013)	Address: 221 North Figueroa Street, Suite 1500 Los Angeles, CA 90012
Former Agency Caseworker: Mr. Eloy Luna	Case No.: N/A

#### Case Information

USTCF Claim No.: None	Global ID: T10000005293
Site Name: Former Shell Service Station	Site Address: 1520 South Santa Fe Avenue Los Angeles, CA 90021-2517 (Site)
Responsible Party: Equilon Enterprises, LLC dba Shell Oil Products Company US Attention: Ms. Andrea Wing	Address: 20945 South Wilmington Avenue Carson, CA 90810
USTCF Expenditures to Date: N/A	Number of Years Case Open: 27

URL: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T10000005293](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000005293)

#### 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 in April 1998, when low concentrations of petroleum constituents were detected in soil samples collected at two to three feet below ground surface (bgs) beneath the dispensers and product piping during upgrades. Petroleum constituents were also identified at two to three feet bgs during product piping and dispenser upgrades in July 2003. Further subsurface investigation in 2005 and 2013 detected low concentrations of petroleum constituents from 5 to 30 feet bgs. The Site is operated as an active fueling facility and vehicle service center.

Groundwater was not encountered at the Site to the maximum depth explored at 60 feet bgs. The depth to groundwater is estimated to be 120 feet bgs. The nearest public supply well and surface water body are greater than 1,000 feet from the Site. Additional corrective action will not likely change the

Former Shell Service Station  
1520 South Santa Fe Avenue, Los Angeles, Los Angeles County

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.
- Groundwater Media-Specific Criteria – Site releases **HAVE NOT LIKELY AFFECTED GROUNDWATER**. There are not 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 Criteria – Site meets **EXCEPTION**. 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. Although poly-aromatic hydrocarbons were not analyzed, there does not appear to be a significant release that would result in concentrations in the soil exceeding concentrations listed in Table 1 of the Policy.

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

3/2/2015

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Date

