UST CASE CLOSURE SUMMARY

Agency Information

Current Agency Name: State Water Resources Control Board (State Water 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: Los Angeles County Department of Public Works (Prior to 7/1/2013)	Address: 900 South Fremont Avenue Post Office Box 1460 Alhambra, CA 91803
Former Agency Caseworker: Mr. Alberto Grajeda	Case No.: 009489-026114

Case Information

USTCF Claim No.: None	Global ID: T0603766018
Site Name: Shell Oil	Site Address: 3100 West Manchester Boulevard Inglewood, CA 90305 (Site)
Responsible Party: Mr. Joe Lentini	Address: 20945 Wilmington Avenue Carson, CA 90810
USTCF Expenditures to Date: N/A	Number of Years Case Open: 10

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603766018

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 Low-Threat Policy. This case meets all of the required criteria of the Policy.

The release was discovered during a site assessment in 2003. Benzene, methyl tertiary-butyl ether (MTBE), and tertiary butyl alcohol (TBA) concentrations above San Francisco Bay Regional Water Quality Control Board 2013 Tier 1 Environmental Screening Levels (ESLs) were detected in soil between 10 and 115 feet below ground surface (bgs). Low to non-detect concentrations were detected in soil between 120 and 140 feet bgs. The Site is an active fueling facility.

The petroleum release is limited to soil. Groundwater was not encountered beneath the Site during soil sampling to an approximate depth of 140 feet bgs. The nearest surface water body is the Morningside Park Reservoir, which is located approximately 1400 feet south of the Site. The nearest public supply well regulated by the California Department of Public Health is located approximately 4,700 feet southeast of the Site. Public water is provided by the City of Inglewood and Metropolitan Water District of Southern California. Public supply wells are usually constructed with competent sanitary seals.

Remaining petroleum constituents are limited. Remedial actions have been implemented and additional corrective action would be unnecessary. Additional assessment/monitoring will not likely change the CSM. Remaining petroleum constituents do not pose significant risk to human health, safety or 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**. 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. Groundwater depth is estimated to be approximately 180 feet bgs. Soil samples collected between 120 to 140 feet bgs indicate concentrations below ESLs for total petroleum hydrocarbons as gas (TPHg), benzene, toluene, ethyl-benzene, total xylenes, MTBE, and TBA.

- Petroleum Vapor Intrusion to Indoor Air – Site meets the **EXCEPTION**. The Site is an active fueling facility. 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. 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 of 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.

Prepared By: _____ 5/19/14
Charlow Arzadon — Date
Water Resource Control Engineer

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Benjamin Heningburg, PG No. 8130 — Date
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