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 Alhambra, CA 91803
Former Agency Caseworker: Mr. John Awujo	Case No.: TT010211-010067

Case Information

USTCF Claim No.: N/A	Global ID: T0603704903
Site Name: FAA-Hawthorne ATCT	Site Address: 12111 South Crenshaw Boulevard Hawthorne, CA 90250
Responsible Party: Federal Aviation Administration Attention: Mr. Charles Dodge	Address: 15000 Aviation Boulevard Lawndale, CA 90261-1000
USTCF Expenditures to Date: None	Number of Years Case Open: 16

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704903

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 Site meets all of the required criteria of the Policy.

The release at the Site was discovered when the former underground storage tank (UST) and associated piping were removed from the Site in June 1998. In March of 2013, approximately 127 tons of diesel impacted soil were excavated and disposed of off-Site. Verification soil samples were taken in 2013 around the former UST, and analyzed for total petroleum hydrocarbons as diesel (TPH-d). Only low levels of TPH-d were found in the samples taken in 2013.

The petroleum release is limited to the shallow soil. Groundwater was not encountered beneath the site during soil sampling. Groundwater depth in the area is estimated to be approximately 117 feet below ground surface (bgs). The Site is currently being used as a furniture warehouse and storage area. All adjacent properties are bounded by commercial and industrial use. The nearest supply well is 1378B, which is located approximately 3,000 feet south of the Site. The nearest surface water body is Dominguez Channel, which is located approximately 800 feet east of the Site. Public water is provided by the Metropolitan Water District of Southern California. Remaining petroleum constituents are limited. Remedial actions have been implemented and additional corrective action would be unnecessary and costly. Additional assessment/monitoring will not likely change the Conceptual Site Model. 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.

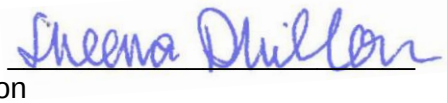
- Groundwater Media- Specific Criteria – Site releases **HAVE NOT LIKELY AFFECTED GROUNDWATER**. Soil samples taken in 2013 at depths up to 30 feet had low concentrations of mobile constituents. Depth to water is approximately 117 feet bgs. Soil does not contain sufficient mobile constituents (leachate, 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 **CRITERIA (2) b**. Soil samples taken at 5 and 10 foot depths had less than 100 mg/kg of TPH. A site-specific risk assessment for the vapor intrusion pathway was conducted. The assessment found that there is no significant risk of petroleum vapors adversely affecting human health. The bio attenuation zone is approximately 100 feet thick.

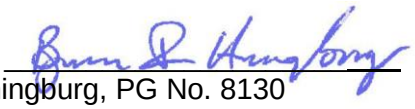
- Direct Contact and Outdoor Air Exposure – Site meets **CRITERIA (3) a**. Maximum concentrations of petroleum constituents in soil are less than or equal to those listed in Table 1. The estimated naphthalene concentrations are less than the thresholds in Table 1 of the Policy for direct contact. There 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.

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:  4/4/14

Sheena Dhillon — Date
Engineering Student Assistant

Reviewed By:  4/4/14

Benjamin Heningburg, PG No. 8130 — Date