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 7/1/13)	Address: 900 South Fremont Avenue Alhambra, CA 91803
Former Agency Caseworker: Mr. John Awujo	Case No.: N/A

Case Information

USTCF Claim No.: None	Global ID: T10000004997
Site Name: Chadwick Schools	Site Address: 26800 South Academy Drive Palos Verdes, CA 90274 (Site)
Responsible Party: Roessler-Chadwick Foundation Attention: Mr. Bob Rule	Address: 26800 South Academy Drive Palos Verdes, CA 90274
USTCF Expenditures to Date: None	Number of Years Case Open: 12

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000004997

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 during the removal of one (1) 500 gallon, single-walled steel underground storage tank (UST) during July 2002. Concentrations of total petroleum hydrocarbons (TPH) were reported at less than 900 milligrams per kilogram (mg/kg) in two samples collected at approximately 5 feet below grade surface (bgs). Contaminated soil was excavated to between 11 and 12 feet bgs. The Site is operated as a private school teaching kindergarten through 12th grades.

Remedial excavation activities removed approximately 115 tons of contaminated material from the site. Post remedial soil samples indicated TPH at concentrations between 620 mg/kg and 10 mg/kg in six sidewall samples collected between 7 and 8 feet bgs. The concentration of TPH in soil at the bottom of the excavation was 56 mg/kg. Residual soil contamination is covered with a concrete walkway and the closest building foundation is greater than 20 feet from the UST excavation.

Groundwater was not encountered during soil assessment activities completed to approximately 35 feet bgs. The nearest surface water body is a concrete lined flood-control channel located approximately 575 feet west of the Site. The nearest water supply well regulated by the California Department of Public Health is greater than 5,000 feet to the northest. Based on soil assessment activities completed at UST sites within 4,500 feet of the Site, groundwater depth is estimated to be greater than 70 feet bgs, and regional groundwater flow direction is towards the south-southeast.

The petroleum release is limited to soil. Public water is provided by the California Water Service Company. Remaining petroleum constituents are limited. Remedial actions have been implemented and additional corrective action would be unnecessary and costly. Additional assessment 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**. There are not sufficient mobile constituents (leachate, vapors, or light non-aqueous phase liquids) to cause groundwater to exceed the groundwater criteria in the Policy.
- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets **CRITERIA (2) b**. A site-specific risk assessment for the vapor intrusion pathway was conducted and demonstrates that human health is protected to the satisfaction of the regulatory agency. Residual petroleum constituent concentrations in soil are low and covered with concrete. The nearest building foundation is greater than 20 feet from the UST excavation.
- Direct Contact and Outdoor Air Exposure Criteria – Site meets **CRITERION (3) a**. Maximum concentrations of petroleum constituents in soil are less than or equal to commercial /industrial 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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Reviewed By: _____ 5/29/2014
Benjamin Heningburg, PG No. 8130 Date
Senior Engineering Geologist