

State Water Resources Control Board

REVIEW SUMMARY REPORT – ADDITIONAL WORK FOURTH REVIEW – JANUARY 2015

Agency Information

Agency Name: Central Valley Regional Water Quality Control Board (Regional Water Board)	Address: 11020 Sun Center Drive, #200 Rancho Cordova, CA 95670
Agency Caseworker: Peter Minkel	Case No.: 550076

Case Information

USTCF Claim No.: 7049	GeoTracker Global ID: T0610900056
Site Name: Lawrence Enterprises	Site Address: 20743 Longeway Road Sonora, CA 95370
Responsible Party: Lawrence Enterprises	Address: 20743 Longeway Road Sonora, CA 95370
USTCF Expenditures to Date: \$1,099,954	Number of Years Case Open: 22

To view all public documents for this case available on GeoTracker use the following URL:
http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0610900056

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 does not meet all of the required criteria of the Policy. Highlights of the case follow:

This case is a vacant lot and former commercial petroleum fueling facility. An unauthorized release was reported in July 1992 following the removal of 3 gasoline USTs in June 1992. Reportedly 1,300 cubic yards of contaminated soil was excavated and disposed offsite in 1992. Approximately 1,600 cubic yards of impacted soil were excavated and disposed offsite in October 2007. Approximately 3,180 cubic yards of impacted soil were excavated to a depth of 10 feet below ground surface (bgs) and disposed offsite between November 2010 and February 2011. No other remediation has been conducted. Since 1993, eight groundwater monitoring wells have been installed and irregularly monitored; two wells have been abandoned. According to groundwater data, water quality objectives have been achieved or nearly achieved for all constituents except 1,2 Dichloroethane (DCA).

The petroleum release is limited to the soil and shallow groundwater. According to data available in GeoTracker, there are no public water supply wells or surface water bodies within 1,000 feet of the Site. One irrigation well has been identified 900 feet south of the Site. The unauthorized release is located within the service area of a public water system, as defined in the Policy. The affected shallow groundwater is not currently being used as a source of drinking water, and it is highly unlikely that the affected shallow groundwater will be used as a source of drinking water in the foreseeable future. Other designated beneficial uses of the affected

shallow groundwater are not threatened, and it is highly unlikely that they will be, considering these factors in the context of the site setting.

Rationale for Closure under the Policy

- General Criteria: The case meets all eight Policy general criteria.
- Groundwater Specific Criteria: The case does not meet Policy criteria because the contaminant plume that exceeds water quality objectives for 1,2 DCA is not defined.
- Vapor Intrusion to Indoor Air: This case meets Policy Criterion 2b. A site-specific risk assessment of potential exposure to petroleum constituents as a result of vapor intrusion [October 2014 closure report] found that maximum concentrations of petroleum constituents remaining in soil and groundwater will have no significant risk of adversely affecting human health.
- Direct Contact and Outdoor Air Exposure: This case meets Policy Criterion 3b. Although no document titled "Risk Assessment" was found in the files reviewed, a professional assessment of site-specific risk from potential exposure to residual soil contamination was completed by Fund staff. The results of the assessment found that maximum concentrations of petroleum constituents remaining in soil will have no significant risk of adversely affecting human health. Reportedly 1,300 cubic yards of contaminated soil was excavated and disposed offsite in 1992. Approximately 1,600 cubic yards of impacted soil were excavated and disposed offsite in October 2007. Approximately 3,180 cubic yards of impacted soil were excavated to a depth of 10 feet bgs and disposed offsite between November 2010 and February 2011. Any construction crew performing subsurface work will, per the requirements of Title 8 of the California Code of Regulations, be prepared to deal appropriately with environmental hazards anticipated or encountered in their normal daily work. The presence of residual contamination should be taken into account when issuing and executing excavation or building or other permits at the Site, including but not limited to the inclusion of a Competent Person in the work crew.

Objections to Closure and Responses

According to a letter dated December 31, 2014, the Regional Water Board objects to UST case closure because the extent of the 1,2 DCA groundwater plume has not been adequately defined to the southeast (downgradient) of the site.

RESPONSE: We concur.

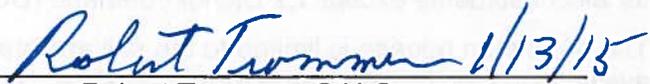
Recommendation

The Fund agrees with the Regional Water Board that the responsible party should define the extent of the 1,2 DCA groundwater plume southeast (downgradient) of the Site.



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11/13/15
Date



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