

State Water Resources Control Board

REVIEW SUMMARY REPORT – ADDITIONAL WORK SECOND REVIEW – SEPTEMBER 2016

Agency Information

Agency Name: Santa Ana Regional Water Quality Control Board (Regional Water Board)	Address: 3737 Main Street, Suite 500 Riverside, CA 92501
Agency Caseworker: Carl Bernhardt	Case No.: 083003921T

Case Information

USTCF Claim No.: 17571	GeoTracker Global ID: T0605927641
Site Name: Home Oil Company	Site Address: 1422 West Broadway Anaheim, CA 92805
Responsible Party: Home Oil Company Attn: Robert C. Grange	Address: 1422 West Broadway Anaheim, CA 92805
USTCF Expenditures to Date: \$0	Number of Years Case Open: 14
Current Fund Budget Category: None Specified	

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=T0605927641

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 former oil distribution facility and is currently a fenced lot pending redevelopment as a park. An unauthorized release was reported in April 2002 following removal of one UST and multiple aboveground storage tanks (ASTs). Soil vapor extraction was conducted between April 2010 and April 2014, which reportedly removed 31,020 pounds of total petroleum hydrocarbons as gasoline (TPHg). In 2014 the rate of TPHg removal was 15.5 pounds per day. Since 2003, three groundwater monitoring wells have been installed and monitored. According to groundwater data, water quality objectives have been achieved or nearly achieved for all petroleum constituents.

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 250 feet of the defined plume boundary. No other water supply wells have been identified within 250 feet of the defined plume boundary in files reviewed. 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 impacted 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 meets Policy Criterion 1 by Class 1. The contaminant plume that exceeds water quality objectives is less than 100 feet in length. There is no free product. The nearest water supply well or surface water body is greater than 250 feet from the defined plume boundary.
- Vapor Intrusion to Indoor Air: The case meets Policy Criterion 2a by Scenario 3a. The maximum benzene concentration in groundwater is less than 100 µg/L. The minimum depth to groundwater is greater than 5 feet, overlain by soil containing less than 100 mg/kg of TPH.
- Direct Contact and Outdoor Air Exposure: The case does not meet Policy criteria because the site is planned to be a future park. While historic soil data is available, additional post-remediation shallow soil samples should be collected at 5 and 10 feet below ground surface (bgs) and analyzed for petroleum fuel constituents to assess direct contract risk.

Objections to Closure and Responses

On June 16, 2014, the Regional Water Board requested a work plan for soil confirmation sampling to assess if residual petroleum hydrocarbons meet the Policy and low risk for the intended use as a park.

RESPONSE: The proposed confirmation sampling work plan dated July 2014 suggested soil sampling from 30 feet to 60 feet bgs, which will not provide data necessary for the closure evaluation by the Policy.

Recommendation

The Fund recommends that the Regional Water Board direct the responsible party to collect shallow soil samples at 3, 5 and 10 feet bgs to evaluate the risks from direct contract with residual petroleum hydrocarbons.



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