

State Water Resources Control Board

REVIEW SUMMARY REPORT – ADDITIONAL WORK THIRD REVIEW – JULY 2018

Case Information

Cleanup Fund (Fund) Claim No.: 5641	GeoTracker Global ID: T0600100217
Site Name: BP #11109	Address (Site): 4280 Foothill Boulevard Oakland, CA 94601
Responsible Party (RP1): ConocoPhillips Attn: Terry Grayson	Address (RP1): 1131 Harbor Bay Parkway Alameda, CA 94502
Responsible Party (RP2): Khalid & Romana Usman	Address (RP2): Private Residence
Responsible Party (RP3): BP Products North America, Inc. Attn: Chris Winsor	Address (RP3): 6 Centerpointe Drive La Palma, CA 90623
Responsible Party (RP4): Steve Mahoney	Address (RP4): Unknown
Claimant: Same as RP3	Address (Claimant): Same as RP3
Fund Expenditures to Date: \$589,052	Number of Years Case Open: 28
Fund Budget Category: Per Sciffis, not proposed.	

Agency Information

Agency Name: Alameda County Department of Environmental Health (County)	Address: 1131 Harbor Bay Parkway Alameda, CA 94602
Agency Caseworker: Karel Detterman	Case No.: RO0000426

Consultant History

Consultant: Arcadis	Years: 2012 – present
Signatory: Hollis E. Phillips, PG	Office Phone: (415) 432-6903
Consultant: Broadbent & Associates, Inc.	Years: 2006 – 2011
Signatory: Thomas A. Venus, PE	Office Phone: (530) 566-1400
Consultant: URS	Years: 2003 – 2006
Signatory: Barbara J. Jacob	Office Phone: (510) 874-1758

This Review Summary Report is based on documents available in GeoTracker. 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=T0600100217

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 Site is an active commercial petroleum fueling facility. An unauthorized release was reported in July 1990 following several site assessment activities. One waste oil UST was removed in July 1986. Three gasoline USTs and associated dispensers were removed in September 1990. Approximately 2,000 cubic yards of impacted soil were excavated to a depth of up to 24 feet during the UST removal. Soil disposal documentation is not available. Soil vapor extraction was conducted in April and May 2009, which reportedly removed approximately 91 pounds of petroleum vapors. Groundwater extraction was conducted between February 1994 and December 1995, which reportedly removed approximately 344,650 gallons of contaminated groundwater. Dual-phase extraction conducted in July 2017 removed approximately 238 pounds of petroleum hydrocarbon vapors and 7,187 gallons of impacted groundwater. Active remediation has not been conducted at the Site since 2012. Since 1989, twelve groundwater monitoring wells have been installed and irregularly monitored. According to groundwater data, water quality objectives (WQOs) have been not been achieved.

The petroleum release is limited to the soil and shallow groundwater. The affected groundwater is not currently being used as a source of drinking water, and it is highly unlikely that the affected groundwater will be used as a source of drinking water in the foreseeable future.

Rationale for Closure under the Policy

General Criteria

- Site **does not meet all eight General Criteria**. Free product has not been removed to the maximum extent practicable and the conceptual site model is not fully developed because there are insufficient data to assess plume definition. Additionally, eight of 11 Site wells are screened below the water table indicating that data are not available to assess the extent and thickness of free product and dissolved contamination.

Media-Specific Criteria

- Groundwater: Site **does not meet** the criteria. The lateral extent of the petroleum plume with concentrations exceeding WQOs is undefined
- Petroleum Vapor Intrusion to Indoor Air: Site meets the **Exception** for vapor intrusion to indoor air. 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 stations. However, the offsite area adjacent to the Site **does not meet** the criteria. There are insufficient data to assess vapor intrusion to indoor air the offsite area adjacent to the Site.
- Direct Contact and Outdoor Air Exposure: Site **does not meet** the criteria. There are insufficient data to assess the exposure pathway.

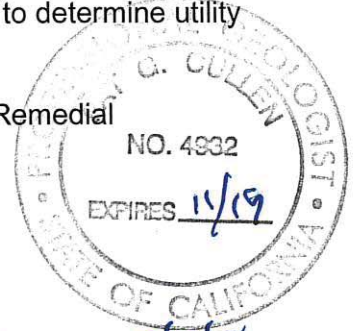
Recommendation

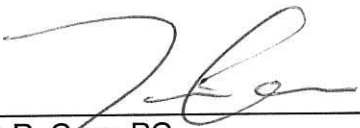
Based on this Review Summary Report the following data gaps were identified:

- The lateral extent of free product and dissolved petroleum constituents exceeding WQOs is undefined.
- There are insufficient data to assess vapor intrusion to indoor air the offsite area adjacent to the Site.
- PAH data are needed to assess the Direct Contact and Outdoor Air Exposure pathway.


State Water Board staff concur with the portions of the County directive (dated December 8, 2017) calling for the submittal of a corrective action plan addendum to address the general and media specific Policy criteria related to groundwater and for a utility location survey to determine utility depths adjacent to the site.

The recommended future Fund budget category for this claim is: RS/IRA – Remedial Selection/Interim Remedial Action.





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Date



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