

State Water Resources Control Board

UST CASE CLOSURE SUMMARY

Agency Information

Agency Name: City of Anaheim	Address: 201 S. Anaheim Blvd. #601 Anaheim, CA 92805
Agency Caseworker: Mr. Richard Wilson	Case No.: None

Case Information

USTCF Claim No.: 12648	Global ID: T0605901854
Site Name: A.C.S. Station R-25	Address: 984 South Beach Boulevard Anaheim, CA 92804 Orange County (Site)
Petitioner: Mr. Brian Decker J.E. Dewitt, Inc.	Address: 1903 Durfee Avenue South El Monte, CA 91733
USTCF Expenditures to Date: \$839,581	Number of Years Case Open: 17

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901854

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. A summary evaluation of compliance with the Policy is shown in **Attachment 1: Compliance with State Water Board Policies and State Law**. The Conceptual Site Model upon which the evaluation of the case has been made is described in **Attachment 2: Summary of Basic Site Information**. Highlights of the Conceptual Site Model are summarized as follows.

The release at the Site was discovered when a former dispenser and three former 4,000 gallon underground storage tanks (UST) were removed in 1997. The Site is currently a gasoline station and operates three 10,000 gallon gasoline USTs. During the 1997 tank removal activities, approximately 114.6 tons of soil was excavated, over-excavated, and disposed. To promote bioremediation, fertilizer and microbes were added to the material used for backfill. Other remediation activities included the injection of 1,470 pounds of oxygen release compound (ORC) during May 1998 and operation of a dual phase extraction (DPE) system between 2002 and 2007. The Site is currently undergoing post-remedial groundwater monitoring.

The petroleum release is limited to the shallow soil and groundwater. The nearest irrigation well is located greater than 1,000 feet southwest (downgradient) of the Site. The nearest public supply well regulated by the California Department of Public Health is located greater than 1,000 feet southwest (downgradient) of the Site. No domestic wells have been identified within 1,500 feet of the Site. Public

water is supplied by the Orange County Water District. The affected groundwater is not currently being used as a source of drinking water or for any other designated beneficial use, and it is highly unlikely that the affected groundwater will be used as a source of drinking water or for any other beneficial use in the foreseeable future. Public supply wells are usually constructed with competent sanitary seals and intake screens that are in deeper more protected aquifers. Other designated beneficial uses of impacted groundwater are not threatened and considering the Site setting, it is highly unlikely that they will be in the foreseeable future. Remaining petroleum constituents are limited, stable and declining. Remedial actions have been implemented and further remediation would be ineffective and expensive. Additional assessment/monitoring will not likely change the conceptual site model. Any 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 meets the criterion in **CLASS 5**. Based on an analysis of Site-specific conditions that under current and reasonably anticipated near-term future scenarios, the contaminant plume poses a low-threat to human health and safety to the environment and Water Quality Objectives (WQOs) will be achieved within a reasonable period of time.
- Petroleum Vapor Intrusion to Indoor Air –Site meets the **EXCEPTION**. The Site operates as an active commercial fueling facility and has no release characteristics that can be reasonably believed to pose an unacceptable health risk.
- Direct Contact and Outdoor Air Exposure – Site meets **CLASS a**. Maximum concentrations of petroleum constituents in soil are less than or equal to those listed in Table 1 of the Policy. The estimated naphthalene concentrations in soil are less than the thresholds in Table1 of the Policy for direct contact. It is unlikely that naphthalene concentrations in the soil, if any, exceed the threshold.

Objections to Closure

City of Anaheim staff objected to UST case closure because:

1. The extent of the tert-Butyl alcohol (TBA) plume in groundwater has not been delineated.

Response: TBA reported in groundwater at the Site has demonstrated stable and decreasing trends over time. TBA in groundwater likely extends offsite. Based on concentration gradient observed between the central portion of the TBA plume (MW-7) and lateral portions of the plume (MW-8 and MW-9), it is likely that the TBA plume terminates beneath South Beach Boulevard.

2. The closure request did not include technical studies or models that are typically provided when requesting case closure when high levels of contamination remain onsite.

Response: The supporting data and analysis used to develop the CSM are provided in multiple reports submitted to the regulatory agency over a period of time.

3. Anaheim is listed as being within the recharge area of the Orange County groundwater basin.

Response: The Site is located in the western part of Anaheim. This part of Anaheim is located in a transition zone between the recharge area (Forebay) and discharge area (Pressure Area) of the