

State Water Resources Control Board

UST CASE CLOSURE SUMMARY

Agency Information

Current Agency Name: Orange County Health Care Agency	Address: 1241 East Dyer Road, Suite 120 Santa Ana, CA 92705
Current Agency Caseworker: Ms. Julie Wozencraft	Case No.: 86UT221

Case Information

USTCF Claim No.: 10744	Global ID: T0605900373
Site Name: Arco #6036	Site Address: 13142 Goldenwest Street Westminster, CA 92683 (Site)
Responsible Party: Tesoro Refining & Marketing Company, LLC Attention: Mr. Daniel Monson	Address: 6 Centerpointe Drive La Palma, CA 90623
USTCF Expenditures to Date: \$0	Number of Years Case Open: 28

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900373

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 was discovered when four underground storage tanks (USTs) were removed and three new USTs were installed at the Site in December 1986. Approximately 900 cubic yards of impacted soil were removed from the Site for disposal during the UST replacement activities.

A soil vapor extraction (SVE) pilot test was conducted at the Site in April 1990, removing over 600 pounds of vapor phase hydrocarbons. In 1994, approximately 11,000 gallons of free product and impacted groundwater were removed during six biweekly purging events. An estimated 9,946 gallons of impacted groundwater and 104 gallons of free product were removed during over-purge activities between November 1998 and March 2000. In August and September 2000, an extended high vacuum dual phase extraction pilot test was conducted at the Site for 22 days. During the pilot test, over 62,000 gallons of groundwater and 650 pounds of vapor phase hydrocarbons were removed. A groundwater extraction system operated at the Site from December 2001 through February 2011, removing over 4,000,000 gallons of groundwater. One waste oil UST was removed from the Site in December 2004. Petroleum constituents were not detected above laboratory reporting limits in the sample collected from beneath the former waste oil UST. In June 2011, confirmation soil borings were constructed at the Site to a maximum depth of 30 feet below ground surface (bgs). The Site is operated as an active fueling facility.

Arco #6036
13142 Goldenwest Street, Westminster, Orange County

Groundwater was measured at an average depth of 10 feet bgs. The groundwater plume exceeding water quality objectives is less than 1,000 feet in length. The nearest public supply well and surface water body are greater than 1,000 feet from the Site. The Anaheim-Barber City Channel, a concrete lined flood control channel, is located more than 850 feet northwest of the Site. Additional corrective action will not likely change the conceptual site model. Residual petroleum constituents pose a low risk to human health, safety, and 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 4**. The contaminant plume that exceeds water quality objectives is less than 1,000 feet in length. There is no free product. The nearest surface water body and water supply well are greater than 1,000 feet from the defined plume boundary. The dissolved concentrations of benzene and MTBE are each less than 1,000 µg/L.
- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets **EXEMPTION**. Exposure to petroleum vapors associated with historical fuel system releases is comparatively insignificant relative to exposures from small surface spills and fugitive vapor releases that typically occur at active fueling facilities.
- Direct Contact and Outdoor Air Exposure Criteria – Site meets **CRITERION (3) a**. Maximum concentrations of residual petroleum constituents in soil are less than or equal to those listed in Table 1.

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.

George Lockwood, PE No. 59556
Senior Water Resource Control Engineer

1/29/15

Date

