

State Water Resources Control Board

UST CASE CLOSURE SUMMARY

Agency Information

Current Agency Name: State Water Resources Control Board (State Water Board)	Address: 1001 I Street, P.O. Box 2231 Sacramento, CA 95812
Current Agency Caseworker: Mr. Matthew Cohen	Case No.: N/A

Former Agency Name: Ventura County Environmental Health Division	Address: 800 S. Victoria Ave. #1730 Ventura, CA 93009-1730
Former Agency Caseworker: Gina Teresa	Case No.: 92018

Case Information

USTCF Claim No.: 19538	Global ID: T0611100806
Site Name: Exxon #7-2827	Site Address: 305 Carmen Drive Camarillo, CA 93012 (Site)
Responsible Party: ExxonMobil Environmental Services Attention: Ms. Sylvana Azana	Address: 3700 West 190 th Street, NTO Torrance, CA 90504
USTCF Expenditures to Date: None	Number of Years Case Open: 22

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0611100806

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 at the Site was discovered in September 1992, when three gasoline underground storage tanks (UST) and one waste oil UST were removed and replaced. An air sparge and soil vapor extraction system was operated at the Site from 1996 to 2009 and removed a total of 75,963 pounds of vapor phase hydrocarbons from the subsurface. A groundwater pump and treat system was operated at the Site from 2004 to 2012 and removed a total of 48.9 pounds of dissolved phase total petroleum hydrocarbons gasoline and 180.5 pounds of dissolved phase methyl tertiary butyl ether from the subsurface. Free product has not been measured in any of the monitoring wells since January 1995.

The Site is operated as an active fueling facility. Groundwater is approximately 27 feet below ground surface (bgs). The nearest surface water body is a manmade lake, approximately 450 feet east of the

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Site. The nearest existing water supply well is greater than 1,000 feet from the defined plume boundary. Corrective action has been implemented and 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 **CLASS 5**. A Site-specific risk assessment of the groundwater pathway was conducted. The assessment found that, under current and reasonably anticipated near-term future scenarios, there is low risk of petroleum impacted groundwater adversely affecting human health, safety or the environment and water quality objectives will be achieved within a reasonable period of time. The contaminate plume is less than 1,000 feet in length, free product has not been detected since 1995, dissolved concentrations of benzene and methyl tertiary butyl ether (MTBE) are less than 1,000 µg/l, and the nearest existing water supply well is greater than 1,000 feet from the defined plume boundary. The elevation of the bottom of the nearby manmade lake is higher than the groundwater surface elevation, therefore impacted groundwater is not likely to impact the lake.
- Petroleum Vapor Intrusion to Indoor Air – Site meets **EXCEPTION**. Exposures 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 facilities.
- Direct Contact and Outdoor Air Exposure – Site meets **CRITERION (3) a**. Maximum concentrations of petroleum constituents in soil from confirmation soil samples are less than or equal to those listed in Table 1 of the Policy. The estimated naphthalene concentrations are less than the thresholds in Table 1 of the Policy for direct contact. There are no soil sample results in the case record for naphthalene. However, the relative concentration of naphthalene in soil can be conservatively estimated using the published relative concentrations of naphthalene and benzene in gasoline. Taken from Potter and Simmons (1998), gasoline mixtures contain approximately 2% benzene and 0.25% naphthalene. Therefore, benzene concentrations can be used as a surrogate for naphthalene concentrations with a safety factor of eight. Benzene concentrations from the Site are below the naphthalene thresholds in Table 1 of the Policy. Therefore, estimated naphthalene concentrations meet the thresholds in Table 1 of the Policy criteria for direct contact with a safety factor of eight. It is highly unlikely that naphthalene concentrations in the soil, if any, exceed the threshold.

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Recommendation for Closure

The corrective action performed at this Site ensures the protection of human health, safety, 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.

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11/3/2014

_____ Date

Reviewed By: *G. Lockwood*
George Lockwood, PE No. 59556
Senior Water Resource Control Engineer

11/3/2014

_____ Date

