

State Water Resources Control Board

UNDERGROUND STORAGE TANK (UST) CASE CLOSURE SUMMARY

Agency Information

Agency Name: Sacramento County Local Oversight Program (Sacramento County)	Address: 10590 Armstrong Avenue, Suite A Mather, CA 95655
Agency Caseworker: Charley Langer	Case No.: D551

Case Information

UST Cleanup Fund (Fund) Claim No.: 14302	Global ID: T0606701064
Site Name: Mary Ann's Baking Company	Site Address: 324 Alhambra Boulevard Sacramento, CA 95816 (Site)
Responsible Party: Demas Enterprises Attention: Mr. John Demas	Address: 8371 Carbide Court Sacramento, CA 95825
Fund Expenditures to Date: \$1,495,000	Number of Years Case Open: 18

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606701064

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.

Mary Ann's Baking Company operated a commercial bakery beginning in the 1960's until 2006 when the bakery was moved to another location. Delivery trucks were fueled from an 8000-gallon (gal) diesel tank and a 1500-gal gasoline tank in the shipping yard at the Site. In February 1999, the fueling facility was removed and the USTs, dispensers and associated piping were taken off Site for recycling as scrap metal. Soil samples collected from beneath the USTs indicated a release had occurred. A 550-gal UST in the eastern portion of the Site was abandoned in-place at that time. About 25 cubic yards (cy) of excavated soil was reused on Site and about 75 cy was taken off Site for disposal. Secondary source removal in the area of the diesel and gasoline USTs was conducted in January 2006 when 450 cy of contaminated soil with about 2100 pounds of petroleum hydrocarbons and 64 pounds of methyl tert-butyl ether (MTBE) were taken off Site for disposal. The excavation was backfilled with imported and compacted aggregate base.

A ten well, ozone air-sparging curtain was installed on Site in September 2004 to remediate the MTBE plume emanating from the shipping yard. This system was operated until April 2010 when it was shut down for construction of an upgraded system. About 3650 pounds of petroleum hydrocarbons were removed. Two pilot studies using vapor-extraction and air sparging technologies were conducted in the area of the 550-gal UST in October 2007 and

December 2007, respectively. An upgraded in-situ remediation system began operating in October 2010, and consisted of six ozone sparging wells in the area of the former shipping yard USTs and four vapor extraction wells along the eastern boundary of the Site. The upgraded sparging system was shut down in May 2013 to assess the rebound in groundwater concentrations. The vapor extraction system operated until February 2013 when it was shut-down due to low influent concentrations. Approximately 4330 pounds of petroleum hydrocarbons were removed. In January 2015, confirmation soil and soil gas samples were collected in the area of the eastern UST, and were found to meet the Policy thresholds for direct contact and vapor intrusion to indoor air.

The most recent groundwater data were collected from key monitoring wells in July 2017 and were augmented by grab groundwater samples collected in June 2017 from borings installed off Site along "E" Street about 400 feet southwest of MW-20. The maximum on-Site MTBE concentration was 960 micrograms per liter ($\mu\text{g/l}$) in MW-11. The MTBE concentration in the off-Site grab groundwater samples ranged from non-detect to 32 $\mu\text{g/l}$. Off-Site groundwater monitoring data from other sites further to the southwest indicate the MTBE plume is greater than 800 feet, but less than 1000 feet in length. An inactive supply well owned by the California Department of Transportation is about 150 feet downgradient of the "E" Street borings is slated for abandonment/destruction. No other potential receptors are within 1000 feet of the plume boundary.

Remaining petroleum constituents are limited, stable, and decreasing. Additional assessment would be unnecessary and will not likely change the conceptual model. Any remaining petroleum constituents do not pose significant risk to human health, safety, or the environment under current conditions.

Rationale for Closure Under the Policy

- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy.
- Groundwater Media-Specific Criteria – Groundwater Media-Specific Criteria – Site meets the criteria 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 existing water supply well or surface water body is greater than 1,000 feet from the defined plume boundary. The dissolved concentration of benzene is less than 1,000 micrograms per liter ($\mu\text{g/L}$), and the dissolved concentration of methyl-tert butyl ether is less than 1,000 $\mu\text{g/L}$.
- Petroleum Vapor Intrusion to Indoor Air – Site meets **Criteria 2 (a), Scenario 4**. The concentrations of benzene, ethylbenzene, and naphthalene in soil gas are less than the Policy limits as it applies to the bioattenuation zone, land use, and existing or planned future building structures at the Site..
- Direct Contact and Outdoor Air Exposure – Direct Contact and Outdoor Air Exposure – Site meets **Criteria 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.

Mary Ann's Baking Company
324 Alhambra Boulevard, Sacramento

Recommendation for Closure

The corrective action performed at this Site ensures the protection of human health, safety, the environment. The corrective action performed at this Site is consistent with chapter 6.7 of the Health and Safety Code, implementing regulations, applicable state policies for water quality control and applicable water quality control plans. Case closure is recommended.

Reviewed By: *Matthew Cohen*
Matthew Cohen, PG No. 9077
Senior Engineering Geologist



11/28/2017
Date