

State Water Resources Control Board

UST CASE CLOSURE REVIEW SUMMARY REPORT

Agency Information

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| Agency Name: Sonoma County Department of Health Services (County) | Address: 625 Fifth Street Santa Rosa, CA 95404 |
| Agency Caseworker: Darcy Bering | Case No.: 00001570 |

Case Information

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| USTCF Claim No.: 2079 | GeoTracker Global ID: T0609700831 |
| Site Name: Gerry's Market (Former) | Site Address: 15195 Arnold Drive Glen Ellen, CA 95442 |
| Responsible Party: Gerald Aldridge | Address: P.O. Box 3039 Rohnert Park, CA 94927-3039 |
| USTCF Expenditures to Date: \$590,781 | Number of Years Case Open: 25 |

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=T0609700831

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 meets all of the required criteria of the Policy. Highlights of the case follow:

This case is an active commercial petroleum fueling facility. An unauthorized release was reported in July 1989 following the removal of five USTs (four gasoline, one waste oil). An unknown quantity of contaminated soil was removed during gasoline UST removal activities in 1989. The former location of the gasoline USTs (north of the station building) was over-excavated to a depth of 17 feet below ground surface (bgs). Approximately 12 cubic yards of contaminated soil was removed from the waste oil UST excavation, also conducted in 1989. An unknown quantity of contaminated soil was removed during UST removal activities in the southwest corner of the Site in 2004. Dual phase extraction was conducted in April and May 2012, which removed 158 pounds of total petroleum hydrocarbons as gasoline (TPHg) at an average of approximately 5 pounds per day. Since 1994, 17 groundwater monitoring wells and three extraction wells have been installed and regularly monitored. According to groundwater data, water quality objectives have been achieved or nearly achieved for all constituents except benzene in wells MW-3, MW-7 and EW-1, methyl tert-butyl ether (MTBE) in wells MW-2, MW-7, and EW-1, and 1,2-dichloroethane (1,2-DCA) in wells MW-4 and MW-16.

The petroleum release is limited to the soil and shallow groundwater. According to data available in GeoTracker, there are no public supply wells or surface water bodies within 250 feet of the defined plume boundary. No other water supply wells have been identified within 250 feet of the defined plume boundary in files reviewed. The unauthorized release is located within the service area of a public water system, as defined in the Policy. The affected groundwater is not currently being used as a source of drinking water, and it is highly unlikely that the affected

Gerry's Market
15195 Arnold Drive, Glen Ellen
Claim No: 2079

groundwater will be used as a source of drinking water in the foreseeable future. Other designated beneficial uses of impacted groundwater are not threatened, and it is highly unlikely that they will be, considering these factors in the context of the site setting. Remaining petroleum hydrocarbon constituents are limited and stable, and concentrations are decreasing. Corrective actions have been implemented and additional corrective actions are not necessary. Any remaining petroleum hydrocarbon constituents do not pose a significant risk to human health, safety or the environment.

Rationale for Closure under the Policy

- General Criteria: The case meets all eight Policy general criteria.
- Groundwater Specific Criteria: The case meets Policy Criterion 1 by Class 1. The contaminant plume that exceeds water quality objectives is less than 100 feet in length. There is no free product. The nearest water supply well or surface water body is greater than 250 feet from the defined plume boundary.
- Vapor Intrusion to Indoor Air: The case meets the Policy Exclusion for Active Station. Soil vapor evaluation is not required because the Site is an active commercial petroleum fueling facility and the release characteristics do not pose an unacceptable health risk.
- Direct Contact and Outdoor Air Exposure: The case meets Policy Criterion 3a. Maximum concentrations in soil are less than those in Policy Table 1 for Commercial/Industrial use, and the concentration limits for a Utility Worker are not exceeded. 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 percent benzene and 0.25 percent naphthalene. Therefore, benzene 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 Policy Table 1. Therefore, the estimated naphthalene concentrations meet the thresholds in Table 1 and the Policy criteria for direct contact by a factor of eight. It is highly unlikely that naphthalene concentrations in the soil, if any, exceed the threshold.

Determination

The Fund Manager has determined that corrective action performed at the Site is consistent with the requirements of Health and Safety code section 25296.10, subdivision (a), and that closure of the case is appropriate.

Recommendation for Closure

Based on available information, residual petroleum hydrocarbons at the Site do not pose a significant risk to human health, safety, or the environment, and the case meets the requirements of the Policy. Accordingly, the Fund Manager recommends that the case be closed. The State Water Board is conducting public notification as required by the Policy. Sonoma County has the regulatory responsibility to supervise the abandonment of monitoring wells.

Lisa Babcock
Lisa Babcock, P.G. 3939, C.E.G. 1235
Fund Manager

7/6/15
Date