

## State Water Resources Control Board

### UST CASE CLOSURE REVIEW SUMMARY REPORT

#### Agency Information

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|---------------------------------------------------------------------------------|------------------------------------------------------------|
| Agency Name: Sacramento County<br>Environmental Management<br>Division (County) | Address: 10590 Armstrong Avenue, Ste A<br>Mather, CA 95655 |
| Agency Caseworker: Sue Erikson                                                  | Case No.: O595                                             |

#### Case Information

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|------------------------------------------------------------------|----------------------------------------------------------------|
| USTCF Claim No.: 11424, 6922                                     | GeoTracker Global ID: T0606700008                              |
| Site Name: Beacon #697                                           | Site Address: 7282 Franklin Boulevard<br>Sacramento, CA 95820  |
| Responsible Party: Conoco Philips Company<br>Attn: Louis Mosconi | Address: 3900 Kilroy Airport Way, #210<br>Long Beach, CA 90806 |
| USTCF Expenditures to Date: \$0                                  | Number of Years Case Open: 30                                  |

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=T0606700008](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606700008)

#### 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 March 1985 following subsurface monitoring. An unknown volume of contaminated soil was excavated to a depth of approximately 13 feet below ground surface (bgs) and disposed offsite in May 1991. Soil vapor extraction and air sparging were conducted between June 1992 and May 2002, which removed 30,806 pounds of total petroleum hydrocarbons as gasoline (TPHg). Groundwater extraction was conducted between June 1992 and May 2002, which removed 7.6 million gallons of contaminated groundwater. Active remediation has not been conducted for the past 13 years. Since 1986, 13 groundwater monitoring and three remediation wells have been installed and monitored. According to groundwater data, water quality objectives have been achieved or nearly achieved except benzene.

The petroleum release is limited to the soil and shallow groundwater. According to data available in GeoTracker, there is one public water supply well within 250 feet of the defined plume boundary. The well, Citizen Utility Company well #53 is 200 feet east (downgradient) of the defined plume boundary; with only one detection of ethylbenzene at 76 µg/l in 2007 according to 24 years of regular groundwater analysis. The well has perforations from 164 to 172 feet bgs and from 262 to 270 feet bgs and solid casing from the surface to 56 feet bgs. Tight low permeability clay is encountered from 53 to 60 feet bgs, 64 to 104 feet bgs, and from 117 to 168 feet bgs, respectively. No other water supply wells or surface water bodies have

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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 shallow groundwater is not currently being used as a source of drinking water, and it is highly unlikely that the affected shallow groundwater will be used as a source of drinking water in the foreseeable future. Other designated beneficial uses of the affected shallow groundwater are not threatened, and it is highly unlikely that they will be, considering these factors in the context of the site setting.

#### **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 5. A public water supply well, Citizen Utility Company well #53, is 200 feet east (downgradient) of the defined plume boundary; with only one detection of ethylbenzene at 76 µg/l in 2007 according to 24 years of regular groundwater analysis. The well has perforations from 164 to 172 feet bgs and from 262 to 270 feet bgs and solid casing from the surface to 56 feet bgs. Tight low permeability clay is encountered from 53 to 60 feet bgs, 64 to 104 feet bgs, and from 117 to 168 feet bgs, respectively. There is little or no risk of this well being impacted by site contamination. Otherwise 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 surface water body is greater than 250 feet from the defined plume boundary. The regulatory agency determines, based on an analysis of site specific conditions, which under current and reasonably anticipated near-term future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame.
- **Vapor Intrusion to Indoor Air:** The case meets the Policy Exclusion for an Active Commercial Petroleum Fueling Facility. 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:** This case meets Policy Criterion 3b. Although no document titled "Risk Assessment" was found in the files reviewed, a professional assessment of site-specific risk from potential exposure to residual soil contamination was completed by Fund staff. The results of the assessment found that maximum concentrations of petroleum constituents remaining in soil will have no significant risk of adversely affecting human health. An unknown volume of contaminated soil was excavated to a depth of approximately 13 feet bgs and disposed offsite in May 1991. Soil vapor extraction and air sparging were conducted between June 1992 and May 2002, which removed 30,806 pounds of TPHg. Groundwater extraction was conducted between June 1992 and May 2002, which removed 7.6 million gallons of contaminated groundwater. The Site is paved and accidental exposure to site soils is prevented. Therefore, the pathway is incomplete. Any construction crew performing subsurface work will be prepared to deal appropriately with environmental hazards anticipated or encountered in their normal daily work. The presence of residual contamination should be taken into account when issuing and executing excavation or building or other permits at the Site, including but not limited to the inclusion of a Competent Person in the work crew.

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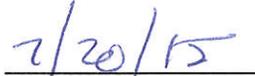
**Determination**

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 staff is conducting public notification as required by the Policy. Sacramento County has the regulatory responsibility to supervise the abandonment of monitoring wells.

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

  
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Date

Prepared by: Kirk Larson, P.G.