



ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
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**NOTIFICATION OF POTENTIAL CASE CLOSURE**  
**UNOCAL #4186**  
**July 18, 2013**

**Site Location: 1771 First Street, Oakland, CA 94550**  
**Fuel Leak Case RO0000436 and GeoTracker Global ID T0600101777**

**Summary** – This fact sheet has been prepared to inform community members and other interested parties of potential case closure for a fuel leak case at the operating Chevron-branded service station located at 1771 First Street in Livermore, California (see attached aerial photograph on back). The site appears to have been a service station since at least 1958. Surrounding land use is mixed residential and commercial.

The gasoline dispensers and associated piping were replaced in June 1996. Approximately 25 cubic yards of petroleum-impacted soil was excavated and removed from the site during the dispenser and piping upgrades.

Site investigation activities to define the extent of petroleum hydrocarbons in soil and groundwater have included soil gas sampling, advancement of exploratory soil borings and cone penetration test borings, and installation of 15 groundwater monitoring wells. An ozone microsparging system began operated at the site from December 2001 to 2009 as an interim remedial measure to cleanup groundwater. A magnesium sulfate application pilot test was conducted on the eastern portion of the site in May 2010. The magnesium sulfate pilot test was not considered effective. Groundwater monitoring has been conducted at the site from July 1998 to present. In June 2011, groundwater samples were collected from five monitoring wells for analysis of the stable carbon and hydrogen isotopic composition of methyl tert butyl ether (MTBE), and stable carbon isotopic composition of tert butyl alcohol (TBA). Results from compound specific isotope analysis (CSIA) indicated that degradation of MTBE is likely occurring in site groundwater

The soil and groundwater data indicate that a plume containing MTBE, TBA, and other dissolved petroleum hydrocarbons likely extends northwest from the service station beneath First Street. However, the highest concentrations of petroleum hydrocarbons and fuel oxygenates in soil and groundwater are on site in the area of the underground storage tanks (USTs). The plume appears to be shrinking in size and residual petroleum hydrocarbons in soil and groundwater are expected to biodegrade over time. The site has been evaluated in accordance with the State Water Resources Control Board Low-Threat Closure Policy. Site investigation and cleanup activities have been completed and it does not appear that the fuel release presents a risk to human health for nearby residents or site workers. Therefore, ACEH is considering potential closure of the fuel leak case.

**Next Step** – The public is invited to review and comment on the potential closure of the fuel leak case. The entire case file can be viewed over the Internet on the ACEH website (<http://www.acgov.org/aceh/lop/ust.htm>) or the State of California Water Resources Control Board GeoTracker website (<http://geotracker.swrcb.ca.gov>). Please send written comments to Jerry Wickham at the address below; all comments will be forwarded to the responsible parties. **Comments received by September 19, 2013** will be considered and responded to prior to a final determination on the proposed case closure.

Additional information: Contact Jerry Wickham of the Alameda County Department of Environmental Health, 1131 Harbor Bay Parkway, Alameda, CA 94502 at 510-567-6791 or by email at [jerry.wickham@acgov.org](mailto:jerry.wickham@acgov.org)



1771 First Street, Livermore, CA (Google, 2013)

**RO436 MAILING LIST FOR FACT SHEET**

**July 18, 2013**

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