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**FACT SHEET**  
**4191 FIRST STREET, PLEASANTON**  
**October 19, 2010**

**Site Name: Unocal #7376**  
**Site Location: 4191 First Street, Pleasanton, CA 94566**  
**Fuel Leak Case RO0000361 and GeoTracker Global ID T0600100101**

**Summary** – This fact sheet has been prepared to inform community members and other interested parties of a proposed cleanup action for a fuel leak case at 4191 First Street in Pleasanton, California (see attached map on back). Petroleum hydrocarbons, consisting of a mixture of gasoline and older fuel oil, are present in soil and groundwater beneath the site. The gasoline appears to have leaked from the fuel system at the site sometime prior to 1994. The heavier petroleum hydrocarbons appear to be from a former Bunker C fuel tank that was located immediately north of the site. The gasoline, including the fuel oxygenate MTBE has dissolved in groundwater beneath the site. A plume of contaminated groundwater extends approximately 150 feet north from the site beneath a former railroad right-of-way that is currently an unoccupied open area. The plume, which is generally 50 to 70 feet below ground surface (bgs) is not expected to affect any water supply wells or pose a potential risk to nearby residents.

The proposed cleanup will consist of soil vapor extraction (SVE) from eleven extraction wells on-site and thirteen extraction wells located within the former railroad right-of-way to the north. Soil vapor extraction applies a vacuum to the zones of contaminated soils to remove the volatile petroleum hydrocarbons. Vapors that are recovered by the SVE system will be treated at the surface with a thermal oxidizing unit to remove contaminants from the effluent in order to meet air discharge permit requirements. A pilot test, which was conducted in April 2010, found that SVE was a feasible method for site cleanup. A treatment compound will be constructed on-site to contain the thermal oxidizing unit and a blower to provide the vacuum for SVE. Underground piping will connect each of the extraction wells to the blower. In addition to SVE, groundwater will be extracted from one well located within the right-of-way to remove petroleum hydrocarbons and control plume migration. The extracted groundwater will be treated by granular activated carbon (GAC) and then discharged to the sanitary sewer under a discharge permit from the local sanitation district. Performance of the cleanup system will be monitored by periodic influent and effluent air monitoring and groundwater monitoring.

**Background** – The site is an active gasoline service station. Surrounding land use is mixed commercial and residential. Groundwater is typically encountered at depths of 50 to 70 feet bgs with perched groundwater encountered in some areas at a depth of approximately 35 feet bgs. Soils consist of interbedded fine and coarse-grained soils that dip to the northwest.

**Next Step** – The public is invited to review and comment on the proposed cleanup action for the fuel leak case. The proposed cleanup action is described in a document entitled, "Revised Corrective Action Plan," dated September 30, 2010. 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 party. **Comments received by November 23, 2010** will be considered and responded to prior to a final determination on the proposed case closure.

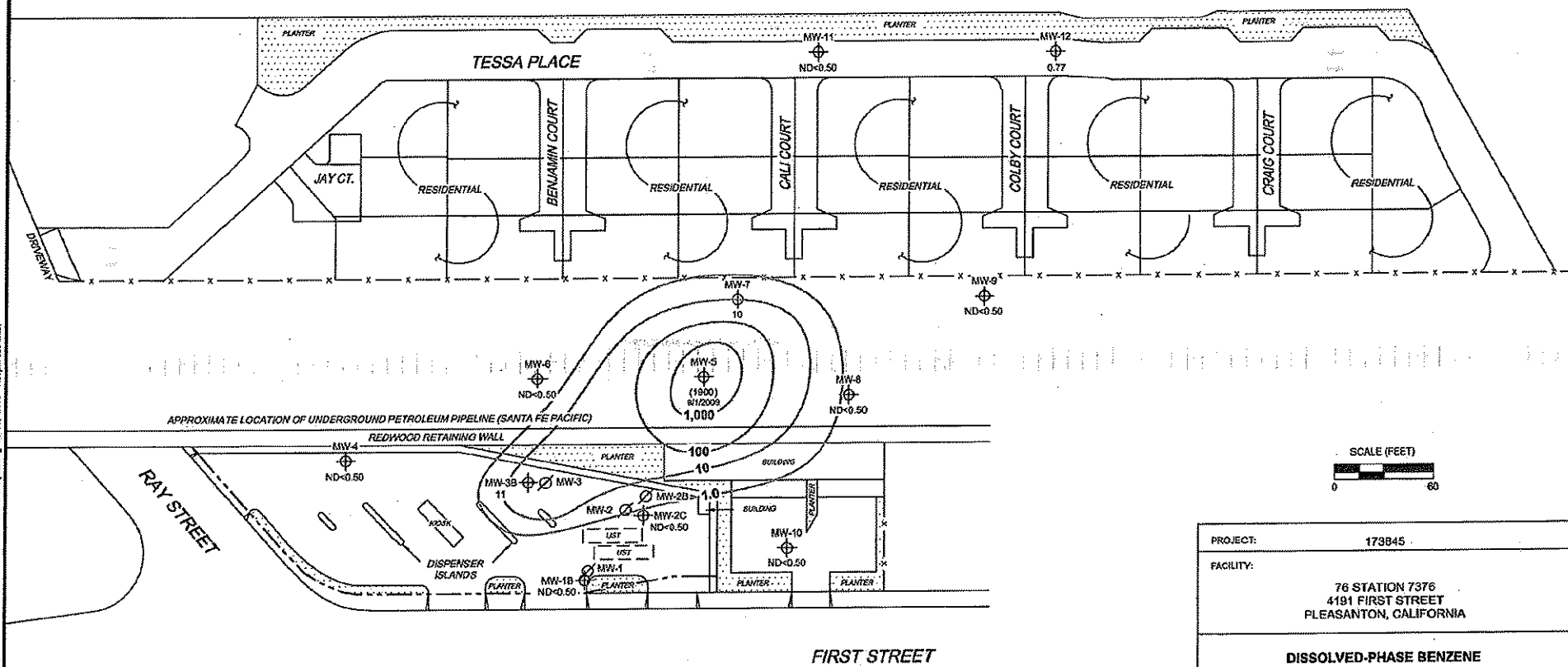
Additional information: Contact Jerry Wickham of the Alameda County Department of Environmental Health, 1131 Harbor Bay Parkway, Alameda, CA 94502 at 510-567-6791 or by email at [jerry.wickham@acgov.org](mailto:jerry.wickham@acgov.org)

**LEGEND**

MW-12 Monitoring Well with Dissolved-Phase Benzene Concentration ( $\mu\text{g/l}$ )

MW-3 Abandoned well

1,000 Dissolved-Phase Benzene Contour ( $\mu\text{g/l}$ )



PROJECT:	179845
FACILITY:	76 STATION 7376 4191 FIRST STREET PLEASANTON, CALIFORNIA
DISSOLVED-PHASE BENZENE CONCENTRATION MAP June 18, 2010	
	FIGURE 4

**NOTES:**  
Contour lines are interpretive and based on laboratory analysis results of groundwater samples.  
 $\mu\text{g/l}$  = micrograms per liter. ND = not detected at limit indicated on official laboratory report.  
(\*) = representative historical value. UST = underground storage tank.

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