



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
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FACT SHEET
SHELL BRANDED SERVICE STATION #13-5782
February 24, 2010

Site Location: Shell#13-5782, 4212 First Street, Pleasanton, CA 94566
Fuel Leak Case #RO0000360 and Geotracker Global ID #T0600101259

Summary – This fact sheet has been prepared to inform community members and other interested parties of the status of a soil and groundwater cleanup at a service station site at 4212 First Street in Pleasanton, California. Shell Oil Products US, the lead responsible party for the fuel leak case, will be evaluating two remedial technologies (soil vapor extraction and air sparging) to clean up gasoline contamination that resulted from fuel leaks at the service station. Soil vapor extraction (SVE) applies a vacuum to unsaturated soils above the water table to induce a controlled flow of air containing volatile contaminants removed from the soil. Extracted air will be treated at the surface to remove fuel hydrocarbons from the vapor. The treated air will be sampled on a regular basis to assure that treated air from the system meets discharge requirements of the Bay Area Air Quality Management District.

Air sparging (AS) injects air below the water table to volatilize contaminants in groundwater that can then be recovered by SVE. AS also increases the oxygen content of groundwater, which may also increase the rate of biodegradation of petroleum hydrocarbons in groundwater. Planning and permitting is currently underway to install the SVE/AS system. Permitting and system installation is expected to be completed between May 2010 and the end of the year. Aboveground equipment used for the SVE/AS system will be located in an enclosed treatment system compound situated in the area currently comprising two parking spaces in the landscaped area off of Vineyard Avenue. Operation of the system will be monitored over time to evaluate whether SVE and AS may be effective for final site cleanup.

Background – The site is currently an operating Shell-branded service station. Four gasoline underground storage tanks were removed from the northern portion of site in 1985 and were replaced by three new USTs installed in front of the station building. Environmental investigations conducted to date have delineated an area of petroleum hydrocarbons in soil and groundwater encompassing the current and former USTs and extending along the direction of groundwater flow to the north and northeast beneath Vineyard Avenue and First Street.

Next Step – Shell Oil Products US is working with Alameda County Environmental Health (ACEH) to implement a soil and groundwater cleanup at the site. Two remedial technologies (SVE and air sparging) will be implemented on an interim basis to assess their effectiveness. Descriptions of the two remedial technologies and how they will be implemented at the site are described in a document prepared by Delta Environmental on behalf of Shell Oil Products US entitled, "*Interim Remediation Work Plan*," dated June 1, 2009. This report along with all reports and correspondence for the case 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://www.swrcb.ca.gov/ust/cleanup/electronic_reporting). If you have any questions or comments regarding the ongoing soil and groundwater cleanup at the site, please contact Jerry Wickham at the address below.

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.

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PLEASANTON CA 94566

ANDRADE PLEASANTON
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SAN FRANCISCO CA 94132

BENSON ROGER N & ELVIRA E
Parcel #: 94-95-41
4156 VINEYARD AVE
PLEASANTON CA 94566

BRAKER GORDON W & LESLIE
Parcel #: 94-95-27
1666 SUGARLOAF DR
SAN MATEO CA 94403

CARDOSO ALBANO L & ROSA
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Parcel #: 94-110-46-1
123 MAIN ST
PLEASANTON CA 94566

COOK CATHERINE M
Parcel #: 94-95-17
4138 VINEYARD AVE
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COUNTY OF ALAMEDA
Parcel #: 94-110-46-2
1221 OAK ST #536
OAKLAND CA 94612

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Parcel #: 94-95-47
220 KOTTINGER DR
PLEASANTON CA 94566

HOUSING AUTHORITY OF THE
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PO BOX 520
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4258 REMILLARD CT
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MCDOWELL PETER C &
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4212 1ST ST
PLEASANTON CA 94566

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4264 1ST ST #1
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