ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

FACT SHEET ON ENVIRONMENTAL ASSESSMENT

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FORMER ARCO (INDEPENDENT)
15101 Freedom Avenue, San Leandro, CA 94578
Fuel Leak Case No. RO0000473 and
GeoTracker Global ID T0600191157

Site Remediation Summary

This fact sheet has been prepared to inform community members and other interested stakeholders regarding the status of a proposed soil and groundwater cleanup at the former ARCO located 15101 Freedom Avenue, San Leandro, California. Mr. Pazdel and Mr. Khatirine, the lead responsible parties for the fuel leak case are proposing in-situ multi phase extraction (MPE) and groundwater extraction as remediation technologies to cleanup the site.

Site Background

The site is located at the foot of the San Leandro Hills, along the west side of San Leandro Valley. It is bounded on the north by Freedom Avenue, on the east by Fairmont Avenue, on the south by residential properties and on the west by 151st Avenue. It currently operates as a Texaco gasoline service station with mini-mart, and retails Texaco-branded gasoline and diesel fuel. There are three canopied product dispenser islands and three underground storage tanks (USTs) on-site consisting of one 6,000-gallon diesel UST, one 8,000-gallon gasoline UST, and one 10,000-gallon gasoline UST. Land use immediately surrounding the site is residential, with Interstate 580 located northeast of the site.

Remediation Alternative: Multi-Phase Extraction

Multi-phase extraction (MPE) is proposed to remediate the soil and groundwater at the site. MPE removes vapor phase, dissolved phase, and separate phase contaminants from the soil and groundwater. In MPE, vapor and liquid are removed from each well using a high vacuum, with the liquids stored into a holding tank. The resulting separate phases (liquid and vapor) are treated by passing through granular activated carbon (GAC) (i.e. charcoal), internal combustion engine (ICE), catalytic oxidizer (CatOx) and air stripper, or other method to further remove contamination from liquid and vapor, which is then discharged to ambient air, and/or to the sanitary or storm sewer. MPE systems typically require permanently-installed high-amperage electrical service, as well as natural gas or propane to operate.

Groundwater Extraction and Treatment

Groundwater extraction (GWE) is proposed to remediate the off-site groundwater contaminant plume. GWE would extract contaminated groundwater from a series of extraction wells or French drain. The extracted water is treated using GAC vessels. The treated water is released to the sanitary sewer or storm drain system. This system is effective because it would prevent off-site migration of chemicals while removing most soluble components of groundwater contaminants, such as TBA and MTBE, from groundwater.

Next Step

Mr. Pazdel and Mr. Khatirine are working with Alameda County Environmental Health (ACEH) to implement a soil and groundwater cleanup at the site. The proposed alternative is described in a report prepared by SOMA Environmental Services, Inc. on behalf of Mr. Pazdel and Mr. Khatirine: "Revised Work Plan for Implementing Corrective Action Plan," dated February 10, 2009. The public is invited to review and comment on the cleanup action proposed in the Report. The report is available on ACEH's website (http://www.acgov.org/aceh/lop/ust.htm) or the State Water Resources Control Board's GeoTracker website (http://www.geotracker.waterboards.ca.gov/). The report and case file are also available for review at the ACEH located at 1131 Harbor Bay Parkway in Alameda, California. Please send a fax to 510-337-9335 to request a date and time to review the case file. Please send written comments regarding the corrective action to Paresh Khatri at the address below. All written comments received by **April 15, 2009** will be forwarded to the Responsible Party and will be considered and responded to prior to a final determination on the proposed cleanup.

For Additional information, please contact:

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