

Revised
SF

QUARTERLY SUMMARY REPORT
4TH QUARTER - 1996
(AUGUST - OCTOBER)

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Alameda County
Environmental Health

Unocal Service Station #5043
449 Hegenberger Road
Oakland, California

County: Alameda RWQCB office: San Francisco Bay Region

BACKGROUND

The subject site contains a Unocal service station facility. The waste oil tank was removed from the site in September of 1994. Eight monitoring wells have been installed at the site. Monitoring wells MW1, MW2, MW4, and MW5 were destroyed in February of 1995. Replacement of the underground fuel tanks and product piping was conducted in March of 1995. Extensive excavation of hydrocarbon-impacted soil was conducted during tank replacement activities.

RECENT QUARTER ACTIVITIES

Two of the four existing monitoring wells (MW9 and MW10) were monitored and sampled once (October 28, 1996) during the quarter. In addition, the free product skimmed in MW6 was emptied on a weekly basis. Documentation of the sample collection techniques, monitoring data, and the analytical results from the recent sampling activities are presented in MPDS Services, Inc's. report (MPDS-UN5043-09) dated December 5, 1996.

Well MW3 was apparently damaged during site construction activities, and thus was not sampled.

NEXT QUARTER ACTIVITIES

Continuation of the quarterly monitoring and sampling program. Weekly purging of MW6 will continue.

KEI will proceed with the proposed well installations (MW7 and MW8) as soon as off-site access permission has been received. Additionally, repair/replacement of MW3 will be conducted at that time.

CHARACTERIZATION / REMEDIAL STATUS

Soil contamination delineated? Predominantly. The UST's and product piping were replaced at the site (beginning) on March 7, 1995. Significant overexcavation of contaminated soil was conducted associated with the UST replacement and site reconstruction project. The final confirmatory soil samples collected from the excavations indicated relatively low residual concentrations of hydrocarbons remaining at the site, ranging from non-detectable to 70 mg/kg, except for two samples collected along the property line adjacent to Hegenberger Road (in which TPH as gasoline was detected at 110 mg/kg and 150 mg/kg).

Dissolved ground water contamination delineated? Partially. Benzene is currently non-detectable in the northern most well, MW9. KEI has recommended the installation of additional monitoring wells in order to further define the extent of the ground water contamination.

FILE #	<u>5043</u>	SS	<u>X</u>	BP	_____
RPT	<u>QM</u>	<u>X</u>	TRANSMITTAL	_____	_____
	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>

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Free product delineated? Yes. Free product is currently detected only in MW6. Free product from this well was fingerprinted, and appears to be due to a one-time event of limited quantity.

Amount of GW contaminant recovered this quarter? 1.3 gallons of product

Amount of GW contaminant recovered historically? 3.8 gallons of product

Soil remediation in progress? Yes. Excavation of contaminated soil was conducted concurrent with the UST and product piping replacement project. A total of approximately 6,444 cubic yards of hydrocarbon-impacted soil were excavated and properly disposed.

- Start? N/A.
- Completion? June 1995.

Dissolved/free product remediation in progress? N/A. A cumulative total of approximately 125,000 gallons of ground water were purged from the site during excavation activities. MW6 is currently purged on a weekly basis.

- Start? N/A.
- Completion? June 1995.

CONSULTANT: Kaprealian Engineering, Inc.

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