

**QUARTERLY SUMMARY REPORT**  
3RD QUARTER - 1997  
(MAY - JULY)

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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. A total of 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**

The six existing monitoring wells (MW3 and MW6 through MW10) were monitored and sampled once (July 15, 1997) during the quarter. In addition, the free product skimmed in MW6 was emptied on a bi-monthly (twice per month) 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-UN5043-12) dated August 15, 1997.

**NEXT QUARTER ACTIVITIES**

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

**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 was detected in only one well (MW10) at a concentration of 2.1 ppb during the recent sampling event.

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? 4.8 gallons of product  
Amount of GW contaminant recovered historically? 12.8 gallons of product

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Soil remediation in progress? N/A. 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. A free product skimmer has been installed in MW6.

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

**CONSULTANT:** Kaprealian Engineering, Inc.

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