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SF - RWQCB

**QUARTERLY SUMMARY REPORT**  
4TH QUARTER - 1995  
(SEPTEMBER - NOVEMBER)

RECEIVED

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Alameda County  
Environmental Health

Unocal Service Station #3135  
845 - 66th Avenue  
Oakland, California

County: Alameda

RWQCB office: San Francisco Bay Region

**BACKGROUND**

The subject site contains a Unocal service station facility. Two underground fuel storage tanks, one waste oil tank, and the product piping were removed from the site in November and December of 1989 during tank replacement activities. During March and April of 1991, approximately 2,000 cubic yards of contaminated soil were excavated from the area in the vicinity of the former (pre-1967) fuel tank pit. The soil excavation was conducted to a depth of approximately 1 foot below ground water (11 feet below grade). Ten monitoring wells, two exploratory borings, and a Hydropunch study (seven probe locations) have been installed/performed at and in the vicinity of the site. No free product has been detected in any well to date.

**RECENT QUARTER ACTIVITIES**

The ten monitoring wells (MW1 through MW10) were monitored once, and wells MW1, MW2, MW3, MW4, MW6, and MW10 were sampled once (November 1, 1995) during the quarter. Wells MW5, MW7, MW8, and MW9 are sampled semi-annually and thus were not sampled this quarter. Documentation of the sample collection techniques, monitoring data, and analytical results from the recent sampling activities are presented in MPDS Services, Inc's. report (MPDS-UN3135-08) dated December 8, 1995.

**NEXT QUARTER ACTIVITIES**

Continuation of the quarterly sampling for wells MW1 through MW4, MW6 and MW10, and semi-annual sampling of wells MW5, MW7, MW8, and MW9.

**CHARACTERIZATION / REMEDIAL STATUS**

Soil contamination delineated? Yes. TPH as gasoline soil levels have been defined to approximately 50 ppm, except at three sample points (SW2[30], SW8, and SW10), where the excavation was terminated because the existing product piping prevented further excavation. Benzene levels in the soil have been defined to less than 20 ppm. Soil samples collected from the waste oil tank pit showed non-detectable levels of TPH as diesel, benzene, toluene, ethylbenzene, and xylenes (BTEX), total oil and grease and all EPA method 8010 compounds, with TPH as gasoline detected at levels less than 4 ppm.

Dissolved ground water contamination delineated? Predominantly. The extent of ground water contamination has been predominantly defined at and in the vicinity of the site. The ground water samples collected from the off-site wells (MW8 and MW9) installed to the east of the site have shown non-detectable concentrations of TPH as gasoline, BTEX, and TPH as diesel. Benzene has also been consistently non-detectable in downgradient well MW10.

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Free product delineated? N/A - no free product has been detected in any well to date.

Amount of GW contaminant recovered this quarter? 0 (gal.)  
Amount of GW contaminant recovered historically? 0 (gal.)

Soil remediation in progress? N/A. During March and April of 1991, approximately 2,000 cubic yards of contaminated soil were excavated from the area in the vicinity of the former (pre-1967) fuel tank pit. The soil excavation was conducted to a depth of approximately 1 foot below ground water (11 feet below grade).

- Anticipated start? \*
- Anticipated completion? \* Completed in April of 1991

Dissolved/free product remediation in progress? No. Based on the analytical results of all of the ground water samples collected and evaluated to date, the plume does not appear to be significantly migrating. Therefore, ground water remediation does not appear to be warranted at this time.

- Anticipated start? Ground water monitoring and sampling is in process.
- Anticipated completion? N/A.

CONSULTANT: Kaprealian Engineering, Inc.

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