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J.F.

**ANNUAL SUMMARY REPORT**  
1997  
(MARCH 1996 - FEBRUARY 1997)

**RECEIVED**  
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Alameda County  
Environmental Health

Unocal Service Station #5487  
28250 Hesperian Boulevard  
Hayward, 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 January of 1989 during tank replacement activities. Both the fuel and waste oil tank pits were overexcavated to the ground water depth (10.5 feet below grade) in order to remove contaminated soil. Seven monitoring wells have been installed at the site. In September of 1995, a Non-Attainment Area Management Plan (NAA) was submitted for the site.

**RECENT QUARTER ACTIVITIES**

All seven monitoring wells were monitored once, and wells MW5, MW6, and MW7 were sampled once (February 7, 1997) during the annual period. Monitoring wells MW1 through MW4 are no longer sampled. Documentation of the recent sampling activities and monitoring data are presented in MPDS Services, Inc's. report (MPDS-UN5487-10) dated March 7, 1997.

**NEXT QUARTER ACTIVITIES**

Continuation of annual monitoring of all wells, with wells MW5, MW6, and MW7 sampled annually each February. Wells MW1 through MW4 sampling will be discontinued. The monitoring and sampling program change is a result of the 1996 NAA management plan submittal. The next scheduled monitoring and sampling event is scheduled for February of 1998.

**CHARACTERIZATION / REMEDIAL STATUS**

Soil contamination delineated? Essentially. After overexcavation of contaminated soil from the fuel tank pit, all of the soil samples collected showed TPH as gasoline levels less than 1.5 ppm, and benzene levels less than 0.15 ppm. After overexcavation of contaminated soil from the waste oil tank pit, all of the soil samples collected showed TPH as gasoline and TPH as diesel levels less than 2.5 ppm, with non-detectable levels of benzene, and TOG levels less than 80 ppm. A soil sample collected at a depth of 5 feet below grade from well MW5 showed a level of TPH as gasoline at 900 ppm, with 3.1 ppm of benzene.

Dissolved ground water contamination delineated? Yes. In June of 1996, well MW7 was installed downgradient, completing delineation.

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.)

|        |      |             |                                     |                          |                          |
|--------|------|-------------|-------------------------------------|--------------------------|--------------------------|
| FILE # | 5487 | SS          | <input checked="" type="checkbox"/> | BP                       | <input type="checkbox"/> |
| RPT    | QM   | TRANSMITTAL | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| 1      | 2    | 3           | <input checked="" type="checkbox"/> | 4                        | 5 6                      |

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Soil remediation in progress? N/A. The fuel tank pit was overexcavated 10 feet laterally (7 feet at the north end and 3 feet at the south end) to below the ground water depth (10.5 feet below grade) in order to remove contaminated soil. The waste oil tank pit was also overexcavated laterally (29' x 29') to below the ground water depth in order to remove contaminated soil.

- Anticipated start? \*
- Anticipated completion? \* Completed in February of 1989

Dissolved/free product remediation in progress? No. Low levels of TPH as gasoline and benzene are only detected in two wells (MW5 and MW6).

- Anticipated start? NAA management plan in effect.
- Anticipated completion? Re-evaluation to occur February 1999 per NAA management plan.

CONSULTANT: Kaprealian Engineering, Inc.

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