

QUARTERLY SUMMARY REPORT
4TH QUARTER - 1992
(SEPTEMBER - NOVEMBER)

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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. Six monitoring wells have been installed at the site. No free product or sheen has been detected in any well to date, based on fourteen quarters of monitoring.

RECENT QUARTER ACTIVITIES

All six monitoring wells were monitored once during the quarter, and wells MW5 and MW6 were sampled once (November 5, 1992). Monitoring wells MW1 through MW4 are currently sampled on an annual basis. Documentation of the sample collection techniques, monitoring data, and the analytical results from the recent sampling activities are presented in KEI's report (KEI-P89-0111.QR13) dated November 25, 1992.

KEI had previously recommended the installation of an additional monitoring well located off-site. However, the City of Hayward Department of Public Works would not allow this well to be installed at the proposed location due to the presence of underground utilities, and no other suitable location could be found nearby.

NEXT QUARTER ACTIVITIES

Continuation of the quarterly monitoring for all wells, and quarterly sampling of wells MW5 and MW6 only. Wells MW1 through MW4 are sampled on an annual basis, and the next scheduled sampling of these wells will occur in August of 1993.

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? No.

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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? Yes. 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. TPH as gasoline and benzene are detected in two wells. The benzene concentrations are currently detected at levels less than or equal to 16 ppb in both wells.

- Anticipated start? Unknown. The need for a remediation system will be evaluated in the future, once the extent of ground water contamination has been adequately defined.

- Anticipated completion? Unknown

CONSULTANT/CONTRACTOR: Kaprealian Engineering, Inc.

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