

QUARTERLY SUMMARY REPORT
1ST QUARTER - 1992
(DECEMBER 1991 - FEBRUARY 1992)

Unocal Service Station #5487
28250 Hesperian Boulevard
Hayward, California

County: Alameda

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Alameda County
Environmental Health

BACKGROUND

The site is currently used as a gasoline station. 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. Five monitoring wells have been installed at the site. No free product or sheen has been detected in any well to date, based on eleven quarters of monitoring.

RECENT QUARTER ACTIVITIES

The five wells were monitored once during the quarter. Monitoring well MW5 was sampled once (February 5, 1992) during the quarter. 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 quarterly sampling activities are presented in KEI's quarterly report (KEI-P89-0111.QR11) dated March 9, 1992. Based on the analytical results collected and evaluated to date, KEI recommended the installation of two additional monitoring wells in order to further define the extent of ground water contamination.

NEXT QUARTER ACTIVITIES

Continuation of the quarterly monitoring for all wells, and quarterly sampling of well MW5 only. Wells MW1 through MW4 are sampled on an annual basis, and the next scheduled sampling of these wells will occur in November of 1992. KEI and Unocal will initiate the process of obtaining the well installation permits and off-site access permission to install the two proposed wells. KEI will proceed with the well installations as soon as all permits and off-site access permission are received.

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.

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Dissolved ground water contamination delineated? No. Two additional monitoring wells are proposed in order to further define the extent of ground water contamination.

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 intermittently in only one well.

- 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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