

QUARTERLY SUMMARY REPORT
2ND QUARTER - 1992
(MARCH - MAY)

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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 site is currently used as a service station. Three monitoring wells have been installed at the site. Free product is currently detected in one well (MW1).

RECENT QUARTER ACTIVITIES

The three monitoring wells were monitored monthly and well MW2 was sampled once (May 20, 1992) during the quarter. Well MW1 was not sampled due to the presence of free product and well MW3 was inaccessible for sampling. 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-P91-1004.QR1) dated July 7, 1992. Based on the analytical results collected and evaluated to date, KEI recommended the installation of three additional monitoring wells in order to further define the extent of the contamination.

NEXT QUARTER ACTIVITIES

Continuation of the monthly monitoring and quarterly sampling program for both wells. KEI will initiate the process of obtaining the well installation permits to install the proposed wells. The wells will be installed by KEI once all permits have been received.

CHARACTERIZATION / REMEDIAL STATUS

Soil contamination delineated? No. Three additional monitoring wells are proposed in order to further define the extent of contamination.

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

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

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

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Soil remediation in progress? Yes. Contaminated soil detected beneath the product piping was overexcavated to depth of 4.5 feet below grade (ground water depth) in October of 1991.

- Anticipated start? *
- Anticipated completion? * Completed in October of 1991.

Dissolved/free product remediation in progress? No. Once the extent of ground water contamination has been adequately defined, the following steps will be taken as part of designing a remediation system: (1) water recovery tests will be performed on select wells, (2) based on the results of the water recovery tests, a ground water recovery well, if appropriate, will be installed, (3) a pump test will be performed using the recovery well, (4) the pump test information will then be used to determine the location and number of additional recovery wells that may be necessary to achieve hydraulic control of the contamination plume. A ground water remediation system will then be designed and installed (after obtaining all required permits).

- Anticipated start? The above steps will be initiated once the extent of ground water contamination has been adequately defined.

- Anticipated completion? A remediation system will be installed and operational upon completion of the above steps.

CONSULTANT/CONTRACTOR: Kaprealian Engineering, Inc.

QSR\5043.QR2