

QUARTERLY SUMMARY REPORT
1ST QUARTER - 1995
(DECEMBER 1994 - FEBRUARY 1995)

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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 subject site contains a Unocal service station facility. The waste oil tank was removed from the site in September of 1994. Eight monitoring wells have been installed at the site. Monitoring wells MW4 and MW5 were destroyed in February of 1995. Free product is intermittently detected in two wells (MW1 and MW2).

RECENT QUARTER ACTIVITIES

All six existing monitoring wells (MW1, MW2, MW3, MW6, MW9, and MW10) were monitored monthly and were sampled once (February 21, 1995) during the quarter, except for well MW1, which was not sampled due to the presence of free product. Wells MW1 and MW2 are also purged on a monthly basis. Documentation of the sample collection techniques, monitoring data, and the analytical results from the recent sampling activities are presented in MPDS Services, Inc's. report (MPDS-UN5043-05) dated March 17, 1995.

The extent of the ground water contamination has not been defined in the vicinity of the Unocal site. Therefore, KEI previously recommended the installation of four additional monitoring wells (MW7 - MW10).

Two of the proposed wells, MW9 and MW10, were installed on January 25, 1995. Additionally, on the same day wells MW4 and MW5 were properly destroyed in order to accommodate the installation of a car wash at the site. The two wells will be re-installed and re-located (MW4A and MW5A) subsequent to the completion of construction activities.

NEXT QUARTER ACTIVITIES

Continuation of the monthly monitoring and quarterly sampling program for all wells, and monthly purging of MW1 and MW2. A continuous surface-skimming free product device has been installed in well MW1. Any free product that has accumulated in the skimming device installed in MW1 will be removed during the monthly monitoring events.

KEI will proceed with the proposed well installations (MW7 and MW8) as soon as all permits and off-site access permission have been received.

Replacement of the underground gasoline storage tanks and product piping is in-process. Overexcavation of contaminated soil and purging of ground water is planned. Wells MW1 and MW2 will be properly destroyed due to overexcavation and will require re-installation.

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CHARACTERIZATION / REMEDIAL STATUS

Soil contamination delineated? No.

Dissolved ground water contamination delineated? Partially.
Benzene is currently non-detectable in the northern most well, MW9.
KEI has recommended the installation of two additional monitoring wells in order to further define the extent of the ground water contamination.

Free product delineated? Yes. Free product is currently detected in only one well (MW1).

Amount of GW contaminant recovered this quarter? <1 oz. of product
Amount of GW contaminant recovered historically? 15 oz. of product

Soil remediation in progress? Yes. Excavation of contaminated soil is being conducted concurrent with the UST and product piping replacement project.

- Anticipated start? 1995.
- Anticipated completion? Unknown.

Dissolved/free product remediation in progress? Yes. As an interim remedial measure, KEI has installed a free-product skimming device in MW1. This device is designed to continuously skim free product from the water table in the vicinity of this well. The free product is removed from the device during the regular monitoring events. Wells MW1 and MW2 are purged on a monthly basis. Additionally, ground water is currently being purged from the open excavations.

- Anticipated start? Ongoing.
- Anticipated completion? Unknown.

CONSULTANT: Kaprealian Engineering, Inc.

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