

**QUARTERLY SUMMARY REPORT
4TH QUARTER - 1991
(SEPTEMBER - NOVEMBER)**

RECEIVED

3:54 pm, May 13, 2009

Alameda County
Environmental Health

Unocal Service Station #3135
845 66th Avenue
Oakland, California

County: Alameda

BACKGROUND

The site is presently used as a gasoline station. Two underground fuel storage tanks, one waste oil tank, and product piping were removed from the site in November and December of 1989, during tank replacement activities. During March and April of 1991, approximately 2,000 cubic yards of contaminated soil were excavated from the area in the vicinity of the former (pre-1967) fuel tank pit. The soil excavation was conducted to a depth of approximately 1 foot below ground water (11 feet below grade). Six monitoring wells, two exploratory borings, and a Hydropunch study (seven probes) have been installed at the site. No free product or sheen has been detected in any well to date.

RECENT QUARTER ACTIVITIES

All six wells were monitored monthly and sampled once (November 5, 1991) during the quarter. Documentation of the sample collection techniques, monitoring data, and analytical results from the recent quarterly sampling activities are presented in KEI's quarterly report (KEI-P88-1203.QR4) dated December 11, 1991. KEI previously proposed the installation of one on-site and three off-site wells to further define the extent of ground water contamination. KEI has obtained the necessary well permits; however, the required encroachment permits had not been obtained as of December 11, 1991.

NEXT QUARTER ACTIVITIES

Continuation of the monthly monitoring and quarterly sampling program for all wells. The proposed wells will be installed as soon as all encroachment permits are received.

CHARACTERIZATION / REMEDIAL STATUS

Soil contamination delineated? Yes, TPH as gasoline soil levels have been defined to approximately 50 ppm, except at three sample points [SW2(30), SW8 and SW10], where the excavation was terminated because the existing product piping prevented further excavation. Benzene levels in the soil have been defined to less than 20 ppm. Soil samples collected from the waste oil tank pit showed non-detectable levels of TPH as diesel, benzene, toluene, xylenes and ethylbenzene (BTX&E), total oil and grease (TOG) and all EPA method 8010 compounds, with TPH as gasoline detected at levels less than 4 ppm.

Dissolved ground water contamination delineated? No, four additional wells are proposed to further define the extent of ground water contamination.

Free product delineated? N/A - no free product detected in any well to date.

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

Soil remediation in progress? Yes, during March and April of 1991, approximately 2,000 cubic yards of contaminated soil were excavated from the area in the vicinity of the former (pre-1967) fuel tank pit. The soil excavation was conducted to a depth of approximately 1 foot below ground water (11 feet below grade).

- Anticipated start? *
- Anticipated completion? * Completed April 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? Remediation system will be installed and operational upon completion of the above steps.

CONSULTANT/CONTRACTOR: Kaprealian Engineering, Inc.

\QSR\3135.QR4

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director
certified mailer #P 367 603 969



State Water Resources Control Board
Division of Clean Water Programs
USF Local Oversight Program

RAFAT A. SHAHID, Assistant Agency Director

February 27, 1992
STID# 3693

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

Notice of Requirement to Reimburse

UNOCAL Corporation
Attn: Rick Sisk
2000 Crow Canyon Place, Suite 400
San Ramon, CA 94583

Responsible Party
Contact Person
Property Owner

UNOCAL Station # 3135
845 66th Avenue
Oakland, CA 94621

SITE

Date First Reported 11/29/89
Substance: gasoline , diesel
Petroleum (X) Yes

The federal Petroleum Leaking Underground Storage Tank Trust Fund (Federal Trust Fund) provides funding to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks. The legislature has authorized funds to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks. The direct and indirect costs of overseeing removal or remedial action at the above site are funded, in whole or in part, from the Federal Trust Fund. The above individual(s) or entity(ies) have been identified as the party or parties responsible for investigation and cleanup of the above site. **YOU ARE HEREBY NOTIFIED** that pursuant to Title 42 of the United States Code, Section 6991b(h)(6) and Sections 25297.1 and 25360 of the California Health and Safety Code, the above Responsible Party or Parties must reimburse the State Water Resources Control Board not more than 150 percent of the total amount of site specific oversight costs actually incurred while overseeing the cleanup of the above underground storage tank site, and the above Responsible Party or Parties must make full payment of such costs within 30 days of receipt of a detailed invoice from the State Water Resources Control Board.

If you have any questions concerning this matter please contact Susan L. Hugo, Senior Hazardous Material Specialist, at (510) 271-4530.

Sincerely,

Edgar B. Howell, III, Chief
Contract Project Director

FILE #	3135	SS	<input checked="" type="checkbox"/>	BP	<input type="checkbox"/>
RPT	<input type="checkbox"/>	QM	<input type="checkbox"/>	TRANSMITTAL	<input type="checkbox"/>
1	<input type="checkbox"/>	2	<input type="checkbox"/>	3	<input checked="" type="checkbox"/>
4	<input type="checkbox"/>	5	<input type="checkbox"/>	6	<input type="checkbox"/>

cc: Sandra Malos, SWRCB

SWRCB Use : add: X Reason: New case