

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0904

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

StID 4361

February 24, 1994

Mr. Adadu Yemane
UNOCAL
P.O. Box 5155
San Ramon, CA 94583

Subject: QMR at 900 S. Livermore, Livermore 94550

Dear Mr. Yemane:

I have completed review of MPDS's January 1994 Quarterly Data Report for the above referenced site. Groundwater samples from monitoring well MW-3 exhibited low levels of toluene and xylenes. The next sampling period should be in March 1994. If contaminant levels continue to be low or non-detectable, you may wish to request case closure at that time. Attached please find a copy of the RWQCB outline showing the appropriate format and topics for the preparation of a final report summarizing the outcome of the site investigation.

If you have any questions, I can be reached at (510) 271-4530.

Sincerely,

eva chu
Hazardous Materials Specialist

cc: files

unocal13.4

ALAMEDA COUNTY
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DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
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80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

StID 4361

December 13, 1993

Mr. Adadu Yemane
UNOCAL
P.O.Box 5155
San Ramon, CA 94583

Subject: QMR at 900 S. Livermore Ave., Livermore 94550

Dear Mr. Yemane:

I have completed review of KEI's November 1993 Quarterly Report for the above referenced site. Laboratory analysis of groundwater collected from all wells did not detect TPH-G, or BTEX. In addition, water from monitoring well MW-2 did not detect TPH-D, TOG, 8010 or 8270 constituents.

At this time continue with quarterly monitoring and sampling of the wells. All samples collected should be analyzed for TPH-G and BTEX. Well MW-2 should also be analyzed for TPH-D and TOG. You may discontinue analysis for 8010 and 8270 constituents.

If you have any questions, I can be reached at (510) 271-4530.

Sincerely,

eva chu
Hazardous Materials Specialist

cc: Tim Ross, KEI, 2401 Stanwell Dr. #400, Concord, CA 94520
files

unocall3.3

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

StID 4361

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

January 15, 1993

Jack Marshall
UNOCAL
376 S. Valencia Ave
Brea, CA 92621

**Subject: Response to Request for Closure for Former UNOCAL
Station #4667, 900 S. Livermore Ave., Livermore 94550**

Dear Mr. Marshall:

This office cannot recommend case closure at this time for the above referenced site for the following reasons:

1. Groundwater gradient cannot be confirmed with one quarter of monitoring. Until gradient is confirmed one cannot assume monitoring well MW-2 is downgradient from the former waste oil tank pit.
2. When the waste oil tank was removed soil and groundwater were not analyzed for the presence of semi-volatile compounds. Subsequent groundwater sampling of monitoring well MW-2 should include the analysis for semi-volatile compounds using Method 8270.

Generally, case closure is not recommended until four consecutive quarters of groundwater monitoring and sampling exhibit trace or non-detectable levels of contaminants and gradient has been established. At this time a quarterly monitoring/sampling program should be implemented where groundwater is to be analyzed for TPH-D and BTEX. In addition, groundwater from monitoring well MW-2 is to be analyzed for TOG and semi-volatile compounds. Technical summary reports documenting each well sampling and monitoring episode are also due quarterly. This schedule shall continue until further notice.

Should you have any questions about the content of this letter, please contact me at (510) 271-4530.

Sincerely,

Eva Chu
Hazardous Materials Specialist

cc: Eddy So, RWQCB
Edgar Howell/files

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ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0904

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

StID 4361

November 9, 1992

Jack Marshall
UNOCAL
376 S. Valencia St., #P301
Brea, CA 92621

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

**Subject: Quarter Monitoring of Wells at Former UNOCAL Gasoline
Station #4667, 900 Livermore Ave., Livermore 94550**

Dear Mr. Marshall:

This office has completed review of the Environmental Investigation and Fuel Tank Excavation Report, dated July 1992 and prepared by Sunriver Engineering and Construction, for the above referenced site. When a waste oil underground storage tank (UST) was removed in October 1987, initial soil samples collected from beneath the UST exhibited up to 1,100 ppm TPH-D at a depth of 6 feet. Overexcavation to 8' below grade exhibited 470 ppm TPH-D and 5,100 ppm TOG. At 9' below grade soil analyses did not detect diesel or oil and grease.

On April 1992 field work began to remove the remaining USTs and its remnants and to further investigate soil and groundwater contamination which may have occurred as a result of the unauthorized leak from the waste oil UST. This included trenching, advancement of soil borings, and the installation of three monitoring wells. Soil analyses from the soil borings exhibited up to 880 ppm TOG, 16 ppm organic lead, 15 ppb toluene, 8.1 ppb ethylbenzene, and 44 ppb xylene. Groundwater analyses exhibited up to 0.88 ppb toluene from monitoring well MW-3.

At this time, a quarterly monitoring schedule should be developed where groundwater is to be analyzed for TPH-D, BTEX, TOG, semi-volatile compounds and organic lead. Technical summary reports documenting each well sampling and monitoring episode are also due quarterly. This schedule shall continue until further notice.

Please be advised that this is a formal request for technical reports pursuant to California Water Code Section 13267(b). Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or the RWQCB. Copies of all proposals and reports must also be sent to Mr. Eddy So of the RWQCB.

Jack Marshall
UNOCAL Station #4667
900 S. Livermore Ave., Livermore
November 9, 1992

Page 2

Should you have any questions about the content of this letter,
please contact me at (510) 271-4530.

Sincerely,



Eva Chu
Hazardous Materials Specialist

cc: Eddy So, RWQCB
Danielle Stefani, Livermore Fire Department
Edgar Howell/files

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ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0904

December 7, 1990

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

Ms. Doreen P. Meyer
Environmental Specialist
Harding Lawson Associates
1355 Willow Way, Suite 109
Concord, CA 94520

Dear Ms. Meyer:

In a letter to this office dated November 19, 1990, as well as in subsequent telephone conversations, you requested information on the following locations in Livermore:

- (R01056) 1. J & W Development, 2920 4th St. (after July 1989).
- (R02881) 2. Texaco service station, 4186 East Ave.
3. Allan Hyne, 792 S. I St.
- (R02873) 4. Arco filling station, 286 S. Livermore Ave.
- (R0369, R02525) 5. Shell service station, 318 S. Livermore Ave.
6. Clifford Bates, 887 S. Livermore Ave.
- (R0904) 7. Unocal service station, 900 S. Livermore Ave. (after Feb. 1988)
8. Bud's Backhoe Service, 2060 S. Livermore Ave.
9. Hexcel, 10 Trevarno Rd. (information on groundwater plume).

In response, the Hazardous Materials Division has reviewed its hazardous waste generator, underground tank, Hazardous Materials Management Plan, and emergency response files for each of these sites. Pertinent information is outlined below, by site.

(R01056) J & W Development, 2920 4th St.

This site has had widespread soil contamination, resulting from the leakage of three underground storage tanks. The one diesel and two gasoline tanks were removed in July 1989, after which high levels of hydrocarbons were found beneath and adjacent to them. Diesel appeared to be the most prevalent hydrocarbon, and extended to a depth of about 35 feet below ground surface. Excavation in early 1990 to remove all contaminated soil resulted in the stockpiling of approximately 1,500 cubic yards; this soil was bioremediated over the spring and summer of 1990 on site, using "landfarming." This effort succeeded, since hydrocarbon levels in these soils have been reduced to "ND," and the soil has been replaced in the excavated pits. Groundwater is estimated to be at a depth of 60-65 feet; while there is no information available on whether groundwater has been affected, monitoring wells will be installed in the future.

(R02881) Texaco, 4186 East Ave.

This service station has six underground storage tanks, five gasoline and one waste oil. Our office last inspected the site in May 1990;

Ms. Doreen P. Meyer
December 7, 1990
Page 2 of 3

violations noted at the time were inadequate tank monitoring and recordkeeping, and lack of documentation for precision leak tests and daily inventory reconciliation. There is no information in the file regarding any unauthorized releases.

792 S. I St.

At this site there is a 550-gallon diesel underground tank that was installed in 1974. The owner is not currently using it. This office issued the owner/operator an interim operating permit in March 1988, with the last inspection taking place in October 1988. There are no records on file of precision leak tests or inventory reconciliation, nor is there any information on unauthorized releases.

(R02873) Arco, 286 S. Livermore Ave.

This is a "minimart" with three underground tanks. These tanks passed precision leak tests in March 1988 and March 1989. A leak was found in the supreme unleaded pipeline on September 25, 1990, after which Arco repaired the line and conducted a precision leak test of this and the other two tank systems. On November 13, all systems appeared tight, and the station has returned to business as usual. An investigation is planned for soil and possible groundwater contamination.

(R076A) Shell, 318 S. Livermore Ave.

(R02525) At this site, an operating service station, the waste oil tank was removed and replaced with a new one in August 1987; then, in December 1989, the four gasoline tanks were removed and replaced with three new tanks. According to file documents, less than 100 ppm of hydrocarbons were found beneath the waste oil tank, but up to 870 ppm of TPH-G was found beneath the gasoline tanks. Prior to the installation of the new gasoline tanks, additional soil was removed; after the new tanks went into operation, Shell's consultant drilled four soil borings that were converted to monitoring wells; nothing was detected in either the soil or water samples from these holes (collected and analyzed June 1990).

887 S. Livermore Ave.

One 550-gallon gasoline tank was removed from this residence in March 1990. Because no contamination was found in samples collected from beneath the tank, this office issued a "no further action" letter to the property owner.

(R0904) Former Unocal, 900 S. Livermore Ave.

This site is currently vacant, with all underground tanks at the site having been removed in 1987. The file information for early 1988

Ms. Doreen P. Meyer
 December 7, 1990
 Page 3 of 3

consists of a consultant's report to Unocal dated February 11, 1988. This report makes the following points:

- Additional excavation of the former waste oil pit occurred to a depth of about 9 feet, where the soil appeared clean;
- About 60 cubic yards of contaminated soil from this pit was hauled to a Class I disposal site; and
- Groundwater is estimated at a depth of 30 feet, but no wells were installed to test the water.

There are no other reports on this site to date.

Bud's Backhoe Service, 2060 S. Livermore Ave.

This is an unpaved contractor's staging yard behind a small horse ranch. There is surface storage of oils, solvent, and above-ground fuel tanks. The site is recorded as having two underground tanks, but there is no file on any underground tanks, and based on a site visit November 27, 1990 (no one was around), there appeared to be no USTs on the property.

Hexcel, 10 Trevarno Rd.



This site is complex, with the RI/FS taking place under the oversight of the Regional Water Quality Control Board. The plume of contaminated groundwater has not been fully defined. Enclosed are several figures and a table, that provide some information on well locations and contaminants found in them.

This letter contains information limited to files in this office, and does not reflect data that may be available from other agencies or parties. You will be billed for provision of this service at the rate of \$60 per hour; enclosed is a copy of the invoice sent to our Billing Department. If you have any questions concerning this letter, please contact the undersigned at 271-4320.

Sincerely,

Gil Wistar

Gil Wistar
 Hazardous Materials Specialist

Enclosures

c: Rafat A. Shahid, Asst. Agency Director, Environmental Health files

ALAMEDA COUNTY
HEALTH CARE SERVICES

DAVID J. KEARS, AGENCY
XXXXXXXXXXXXXXXXXXXX, Agency Director



RO904

470-27th Street, Third Floor
Oakland, California 94612
(415) 874-7237

January 27, 1988

Timothy R. Ross
Unocal Corporation
2175 North California Blvd., Suite 650
Walnut Creek, CA 94596

Subject: 900 South Livermore Ave., Livermore

Dear Mr. Ross:

We are in receipt of the unauthorized release report for the subject site. According to your letter dated January 8, 1988 to Rafat Shahid, you are proposing to excavate contaminated soil and install a monitoring well at this site.

Please fill out the enclosed "Underground Tank Closure/Modification Plans" application form as it applies to your clean up plan. Your plan must be approved by this office prior to commencement of any on site work. Additionally, there is a deposit of \$300.00 required for review of the closure plan. Health Agency costs are deducted at \$53.00 per hour plus 25% overhead.

Should you have any questions regarding this matter, please contact Lizabeth Rose, Hazardous Materials Specialist, at (415) 874-7237.

Sincerely,

Rafat A. Shahid

Rafat A. Shahid, Chief,
Hazardous Materials Division

RAS:LR:lar

Enclosure

cc: File

ALAMEDA COUNTY
HEALTH CARE SERVICES

DAVID J. KEARS, AGENCY
~~XXXXXXXXXXXX~~ Agency Director



R0904

470-27th Street, Third Floor
Oakland, California 94612
(415) 874-7237

December 22, 1987

Union Oil Company
2175 N. California Blvd., Ste. 650
Walnut Creek, CA 94596

Subject: Underground Storage Tank Unauthorized Release (Leak)/
Contamination Site Report

Dear Sir or Madame:

On December 8, 1987, our office received a report from North Cal Construction indicating soil contamination was detected at Unocal Service Station #4667, 900 - 905 S. Livermore, Livermore following underground tank removal.

The California Administrative Code, Title 23, requires all unauthorized releases to be reported. Section 2652 (b) requires within 5 working days of detecting the release, the operator or permittee shall submit to the local agency (Alameda County Hazardous Materials Division) a full written report to include all of the following information which is known at the time of filing the report:

- (1) List of type and quantity of hazardous substances released.
- (2) The results of all investigations completed at that time to determine the extent of soil or ground water or surface water contamination due to the release.
- (3) Method of cleanup implemented to date, proposed cleanup actions, and approximate cost of actions taken to date.
- (4) Method and location of disposal of the released hazardous substance and any contaminated soils or ground water or surface water (indicate whether a hazardous waste manifest(s) is utilized).

Union Oil Company
2175 N. California Blvd., Ste. 650
Walnut Creek, CA 94596
December 22, 1987
Page 2 of 2

- (5) Proposed method of repair or replacement of the primary and secondary containers.
- (6) Facility operator's name and telephone number.

Until cleanup is complete, the operator or permittee shall submit reports to the County and the Regional Water Quality Control Board (RWQCB) every 3 months or at a more frequent interval if specified by either agency. The reports shall include the information requested in (2), (3), and (4) of the above. The report requested above shall be prepared in accordance with the San Francisco Regional Water Quality Control Board's "Guidelines for Addressing Fuel Leaks", September 1985. The initial investigation report shall be submitted within 30 days and shall include a site safety plan.

Soils contaminated at hazardous waste concentrations shall be transported by a licensed hazardous hauler and disposed of or treated at a California Department of Health Services approved facility. Soils contaminated below hazardous waste concentrations may be managed as non-hazardous but are subject to waste discharge requirements of the Regional Board.

Enclosed is an "Underground Storage Tank Unauthorized Release (Leak)/ Contamination Site Report" which should be completed and returned within 5 working days. Should you have any questions regarding this letter please contact Lizabeth Rose, Hazardous Materials Specialist at (415) 874-7247.

Sincerely,

Rafat A. Shahid
Rafat Shahid, Chief,
Hazardous Materials Division

RAS:LR:lr

Enclosure

cc: RWQCB
City of Livermore Fire Dept.
Robert Naves, North Cal Construction