ALAMEDA COUNTY

HEALTH CARE SERVICES

AGENCY



DAVID J. KEARS, Agency Director

R0#597

ENVIRONMENTAL HEALTH SERVICES

1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 (510) 337-9335 (FAX)

StID 3376

July 7, 1998

Mr. Jim Adams TOSCO Distribution P.O.Box 2628 Santa Fe Springs, CA 90670-0628

RE: RMP for 3357 Gardella Plaza, Livermore, CA

Dear Mr. Adams:

I have completed review of the case file for the above referenced. It appears that investigations completed to date have delineated the extent of soil and groundwater contamination at the site. Residual contamination should not pose a risk to human health under the current use scenario. However, a risk management plan (RMP) should be provided in the case of future excavation/trenching or construction of a building structure over the area with residual soil contamination. The RMP should include at a minimum the following:

- 1. strategy to address the risk posed during any earth moving activities, foundation and utility trenching, water impoundments, etc, and specifically address the risk to construction workers;
- 2. methods to mitigate any of the potential negative impacts posed by residual benzene contamination onsite, like capping the site, using liners, barriers, etc: and.
- 3. methods to manage hydrocarbon-impacted soil, if encountered.

Once the RMP is found acceptable, I will continue to review the case for closure. And, when the RWQCB concurs with closure for the site, the groundwater monitoring wells may be decommissioned.

If you have any questions regarding the RMP or closure process, I can be reached at (510) 567-6762.

eva chu

Hazardous Materials Specialist

ALAMEDA COUNTY HEALTH CARE SERVICES

AGENCY



DAVID J. KEARS, Agency Director

ROS97

ENVIRONMENTAL HEALTH SERVICES -

1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 (510) 337-9335 (FAX)

StID 3376

June 30, 1999

Mr. Dan Truzzolino Tosco P.O. Box 2628 Santa Fe springs, CA 90670

SUBJECT: INTENT TO MAKE A DETERMINATION THAT NO FURTHER ACTION IS REQUIRED <u>OR</u> ISSUE A CLOSURE LETTER FOR <u>3357 GARDELLA PLAZA, LIVERMORE</u>, CA

Dear Mr. Truzzolino:

This letter is to inform you that Alameda County Environmental Protection (LOP) intends to make a determination that no further action is required at the above site or to issue a closure letter. Please notify this agency of any input and recommendations you may have on these proposed actions within 20 days of the date of this letter.

In accordance with section 25297.15 of Ch. 6.7 of the Health & Safety Code, you must provide certification to the local agency that all of the current record fee title owners have been informed of the proposed action. Please provide this certification to this office within 20 days of the date of this letter.

If you have any questions about these proposed actions, please contact me at (510) 567-6762.

Sincerely,

eva chu

Hazardous Materials Specialist

c: Chuck Headlee, RWQCB

Danielle Stefani, Livermore-Pleasanton Fire Department

AGENCY



DAVID J. KEARS, Agency Director

RO#597

ENVIRONMENTAL HEALTH SERVICES

ENVIRONMENTAL PROTECTION (LOP) 1131 Harbor Bay Parkway, Suite 250

Alameda, CA 94502-6577

(510) 567-6700 FAX (510) 337-9335

StID 3376

April 21, 1999

Mr. Dan Truzzolino Tosco P.O.Box 2628 Santa Fe Springs, CA 90670

RE: Well Decommission at 3357 Gardella Plaza, Livermore, CA

Dear Mr. Truzzolino:

This office and the San Francisco RWQCB have reviewed the case closure summary for the above referenced site and concur that no further action related to the underground tank release is required at this time. Before a remedial action completion letter is sent, the onsite monitoring wells (MW-1, and MW-3 through MW-5) should be decommissioned, if they will no longer be monitored. Please notify this office upon completion of well destruction so a closure letter can be issued.

Well destruction permits may be obtained from Alameda County Flood Control and Water Conservation, Zone 7. They can be reached at (925) 484-2600.

If you have any questions, I can be reached at (510) 567-6762.

Sincerely,

eva chu

Hazardous Materials Specialist

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ALAMEDA COUNTY HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RO#597

RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH 1131 Harbor Bay Parkway Alameda, CA 94502-6577 (510) 567-67**720**

StID 3376

June 28, 1996

Mr. Ed Ralston UNOCAL 2000 Crow Canyon Pl, suite 400 San Ramon, CA 94583

Sampling Frequency at 3357 Gardella Plaza, Livermore, CA RE:

Dear Mr. Ralston:

I have completed review of PSI's June 1996 Tank Closure Report for the above referenced site. This report documents the removal of all underground storage tanks, associated piping, and soil overexcavation activities at the site.

Following source removal, and based of laboratory analytical results of groundwater from wells MW2 through MW5, it is appropriate at this time to discontinue the sampling of these wells. And, the sampling frequency of wells MW1 and MW5 may be reduced to a semi-annual basis until further notice. may be implemented at your earliest convenience.

If you have any questions, I can be reached at (510) 567-6762.

Hazardous Materials Specialist

c: files

HEALTH CARE SERVICES

AGENCY



DAVID J. KEARS, Agency Director

R059子 RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Parkway Alameda, CA 94502-6577 (510)567-6700 4

April 22, 1996

Mr. Ed Ralston UNOCAL P.O. Box 5155 San Ramon, CA 94583

RE: Use of ORC in Groundwater Monitoring Wells

Dear Mr. Ralston:

I have received information from Regenesis, who developed the Oxygen Release Compound (ORC) remediation technology, that it is not recommended to purge monitoring wells with ORC prior to sampling. Purging would remove dissolved oxygen, thus defeating the purpose of using ORC.

Several UNOCAL sites are currently using ORC in some of the groundwater monitoring wells. Those wells which have ORC installed should not be purged prior to sampling. Sites employing ORC are:

- (R0880) 1. Unocal Service Station # 5366, at 7375 Amador Valley Blvd, Dublin (StID 3169);
- (R0482) 2. Unocal Service Station #7176, at 7850 Amador Valley Blvd, Dublin (StID 4104);
- (Ro597) 3. Unocal Bulk Plant #0490, at 3357 Gardella Plaza, Livermore (StID 3376); and
- (RO203) 4. Unocal Service Station #0746, at 3943 Broadway, Oakland (StID 1119).

If you have any questions, I can be reached at (510) 567-6762.

eva chu

Hazardous Materials Specialist

c: files (StID 3169, 4104, 3376, 1119)

DAVID J. KEARS, Agency Director

R0597

RAFAT A. SHAHID, Director

DEPARTMENT OF ENVIRONMENTAL HEALTH Environmental Protection Division 1131 Harbor Bay Parkway, #250

Alameda, CA 94502-6577 (510) 567-6700

StID 3376

August 18, 1995

Mr. Ed Ralston UNOCAL 2000 Crow Canyon, Suite 400 San Ramon, CA 94583

RE: Monitoring Wells at 3357 Gardella Plaza, Livermore

Dear Mr. Ralston:

This letter is in response to your reply to my letter of December 5, 1994. It is your contention that additional monitoring wells, screened to accommodate seasonal highs, are not warranted. And that a decrease in TPH-G concentration is due to natural biodegradation.

This office is of the opinion that the decrease in TPH-G concentration noted when groundwater is above the screened interval is probably due to dilution in a column of up to 41' of water, and that the water is 24' above the screened interval (for March 1995). Of course, natural bioattenuation is probably also occurring. This can only be better assessed if samples are collected from a properly screened well. Therefore, I am requesting that UNOCAL install an additional monitoring well near and/or downgradient from well MW-1.

Also, please provide additional information on the groundwater remediation technology you have chosen to employ. More specifically, do you intend also to measure total organic carbon, sulfur, iron, etc.? A workplan outlining your plan of action should be submitted for review.

If you have any questions or comments on the contents of this letter, please contact me at (510) 567-6762.

eva chu

Hazardous Materials Specialist

cc: Frank Poss, GeoResearch, 3777 Depot Rd, #418, Hayward 94545 files (unocall.8)

RAFAT A. SHAHID, Assistant Agency Director

StID 3376

December 5, 1994

Mr. Ed Ralston UNOCAL 2000 Crow Canyon, Suite 400 San Ramon, CA 94583 DEPARTMENT OF ENVIRONMENTAL HEALTH Hazardous Materials Division 80 Swan Way, Rm. 200 Oakland, CA 94621 (510) 271-4320

RE: Additional Monitoring Well at 3357 Gardella Plaza, Livermore, CA 94550

Dear Mr. Ralson:

I have completed review of mpds' October 1994 Quarterly Data Report and GeoResearch's August 1994 Response to ACDEH Letter of July 1, 1994 for the above referenced site. Monitoring well MW-1 continues to show elevated levels of petroleum hydrocarbons. This well was installed in May 1991 during the drought years. The well is screened from 54 to 69' bgs. Since February 1993 depth to groundwater has ranged from 31.64 to 51.78'.

It appears with normal rainfall in the Bay Area, depth to water will continue to be above the current screened interval. Should this continue to be the case, another well should be installed northwest of well MW-1 to better evaluate groundwater quality beneath the site.

If you have any questions, I can be reached at (510) 567-6762.

eva chu

Hazardous Materials Specialist

cc: Frank Poss, GeoResearch, 3777 Depot Rd, Suite 418, Hayward CA 94545

files

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY

DAVID J. KEARS, Agency Director

R0597

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 3376

July 1, 1994

Mr. Ed Ralston UNOCAL 2000 Crow Canyon, Suite 400 San Ramon, CA 94583

Subject: Additional Monitoring Well at 3357 Gardella Plaza,

Livermore 94550

Dear Mr. Ralston:

I have completed review of GeoResearch's March 1994 Subsurface Investigation Report and MPDS's April 1994 Quarterly Data Report for the above referenced site. GeoResearch's report documents the installation of MW-5 and the advancement of two other soil borings to determine the extent of soil and groundwater contamination on site.

During installation, well MW-5 encountered groundwater between 40-50' bgs, but after 72 hours, stabilized at 36'. This well was screened from 43-63' bgs. Yet, lithology does not appear to suggest a confined aquifer. Boring B5 detected elevated levels of TPH-G and D at 5, 10 and 30' depths. Quarterly sampling of MW-1 has exhibited benzene levels ranging from 150-940 ppb. In March 1994, the levels of benzene has dropped to 5.5 ppb.

Please provide an explanation why the levels have changed at least two magnitudes of order in three months. Since well MW-1 is screened from 54-69'bgs, at least 20' below the current water level, dissolved product with a specific gravity <1 may be above the screened interval at this time. It is recommended that another well be installed northwest of well MW-1, and screened approximately 27-42' bgs. If you are in agreement with this suggestion, a workplan should be submitted for review within 45 days of the date of this letter.

Please contact me at (510) 271-4330 if you have any questions or comments regarding the contents of this letter.

eva chu

Hazardous Materials Specialist

cc: files

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY

R0597

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

StID 3376

October 21, 1993

DAVID J. KEARS, Agency Director

Mr. Frank Poss GeoResearch 3777 Depot Road, Suite 418 Hayward, CA 94545 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: SWI Workplan Approval for Unocal Bulk Plant #0362, 3357 Gardella Plaza, Livermore 94550

Dear Mr. Poss:

I have completed review of GeoResearch's October 1993 Soil and Water Investigation Workplan for the above referenced site. Work intended is to advance one off-site monitoring well to delineate the extent of the hydrocarbon plume in the deeper aquifer (assuming there is a dual aquifer). Two additional soil borings will be drilled to determine the extent of soil contamination along the former product lines. If a shallow aquifer is encountered, these two borings will be converted into monitoring wells. This proposal is acceptable and field work should commence within 45 days of the date of this letter.

In the future, all technical reports should be submitted under seal of a California Registered Geologist, Certified Engineering Geologist, or Registered Civil Engineer.

If you have any questions, please call me at (510) 271-4530.

Sincerely,

eva chu

Hazardous Materials Specialist

cc: Ed Ralston, UNOCAL, 2000 Crow Canyon, Suite 400, San Ramon,

Ca 94583

files

ALAMEDA COUNTY HEALTH CARE SERVICES

AGENCY

R0597

DAVID J. KEARS, Agency Director

StID 3376

July 26, 1993

Mr. Edward Ralston UNOCAL 2000 Crow Canyon, Suite 400 San Ramon, CA 94583 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

SECOND NOTICE OF VIOLATION

Dear Mr. Ralston:

On May 1991 and again on April 1993, the Alameda County Department of Environmental Health, Hazardous Materials Division, sent you a letter requesting a Soil and Water Investigation Workplan (SWI) detailing the work intended to determine the extent of soil and groundwater contamination which was the result of fuel releases at the site located at 3357 Gardella Plaza, Livermore, CA. As of the date of this letter, however, we have not received the requested workplan. Therefore, this letter constitutes a **Second Notice** that you are in violation of specific laws and that the technical report is due.

According to Section 25298 of the California Health and Safety Code, underground storage tank closure is incomplete until the responsible party characterizes and remediates the contamination resulting from product discharge. Therefore, you, as the responsible party are in violation of this section of the Code, for which Section 25299 specifies civil penalties of up to \$5,000, for each day of violation, upon conviction.

You are required to submit the SWI to this office within 30 days from the date of this letter. Failure to respond may result in referral of this case to the RWQCB or Alameda County District Attorney to consider for enforcement action. Modification of required tasks or extensions of stated deadlines must be confirmed in writing by either this agency or the RWQCB.

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

eva chu

Hazardous Materials Specialist

cc: Gil Jensen, Alameda County District Attorney's Office Sumadhu Arigala, RWQCB files

ALAMEDA COUNTY HEALTH CARE SERVICES **AGENCY**

DAVID J. KEARS, Agency Director

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

R0597

StID 3376

April 2, 1993

Mr. Edward Ralston UNOCAL 2000 Crow Canyon, Suite 400 San Ramon, CA 94583

Subject: SWI at UNOCAL Bulk Plant #0362, 3357 Gardella Plaza, Livermore 94550

Dear Mr. Ralston:

This office has completed review of Mittelhauser's Phase I Site Assessment, dated March 1993, for the above referenced site. This report summarizes the review of agency records for potentially contaminated sites within 0.5 miles of the referenced site which may be a source of offsite contamination. Your consultant at Mittelhauser concludes that the Calico Lumber Yard/Former Chevron Bulk Plant located 100 feet south of the subject site may be a potential source of groundwater contamination as noted at the upgradient monitoring well, MW-4.

Regardless if part of the groundwater contamination onsite is due to an offsite source, UNOCAL must be proactive in delineating the lateral and vertical extent of soil and groundwater contamination which was the result of fuel release from UNOCAL's operation. This investigation was requested by Mr. Gil Wistar in May 1991, and again by Mr. Scott Seery in June 1992.

Again, this office is requesting a soil and groundwater investigation workplan. This workplan is due to this office within 30 days of the date of this letter. Information obtained from this phase of the investigation shall be used in the development of an appropriate Corrective Action Plan which will identify and evaluate all feasible alternatives for cleanup of soil and groundwater caused by the unauthorized release of petroleum products at this site.

In the meantime, groundwater monitoring and sampling should continue on a quarterly basis. Technical summary reports documenting each well sampling and monitoring episode are also due quarterly.

This agency is working with, and requiring, the former Chevron Bulk Plant to further investigate and delineate soil and groundwater contamination at their site. As reports are submitted, I will keep you apprised of their investigative results.

Edward Ralston re: UNOCAL Bulk Plant #0362 April 2, 1993

Please be advised that this is a formal request for technical reports pursuant to Title 23, CCR, Section 2722(c). 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. Sumadhu Arigala of the RWQCB.

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: Sumadhu Arigala, RWQCB

Danielle Stefani, Livermore Fire Department

Gil Jensen, Alameda County District Attorney's Office

Edgar Howell/files

HEALTH CARE SERVICES

AGENCY DAVID J. KEARS, Agency Director



R0597

RAFAT A. SHAHID, Assistant Agency Director

StID 3376

June 24, 1992

Robert Boust UNOCAL 2000 Crow Canyon Pl., #400 DEPARTMENT OF ENVIRONMENTAL HEALTH Hazardous Materials Division 80 Swan Way, Rm. 200 Oakland, CA 94621 (510) 271-4320

Subject: Site Remediation at UNOCAL Bulk Plant #0362,

3357 Gardella Plaza, Livermore 94550

Dear Mr. Boust:

This office has reviewed the quarterly monitoring report dated April 13, 1992, submitted by Mittelhauser Corporation for the above referenced site. The cited report documents that all onsite monitoring wells have run dry, or nearly so, shortly after their installation. Consequently, there currently is inadequate data to determine groundwater flow direction.

When MW-1 and MW-3 had sufficient water, the groundwater samples confirm contamination of total petroleum hydrocarbons as both gasoline and diesel (TPH-g, TPH-d), and benzene at elevated levels. In order to better assess groundwater contamination and flow direction, the slotted screens in each of the monitoring wells need to be extended to a depth which will enable adequate sampling during both drought conditions and seasonal highs.

Prior work performed at the site included the advancement of seven soil borings of which four have been converted to monitoring wells. Reports indicate that soil samples were taken but were not all analyzed for every 5' interval. Elevated levels of TPH-g and TPH-d were found in soil collected from MW-1, MW-4 and boring B-2. Contaminated soil has remained in place.

On May 2, 1991, Gil Wistar of this office had requested a preliminary site assessment workplan to determine the extent of both soil and ground water contamination on-site. The work done to date has not delineated the extent of either. Soil samples collected from MW-1 and MW-4 during boring advancement have identified TPH contamination up to 290 parts per million (ppm) at a depth of 14.5 feet, and 91 ppm at a depth of 25 feet, respectively. Further, ground water sampled from MW-1 and MW-3 have shown up to 14,000 and 3400 parts per billion (ppb) TPH, respectively.

At this time, pursuant to Section 2725 of Title 23, California Code of Regulations (CCR), you are requested to submit a work plan describing planned actions designed to assess the lateral and vertical extent of soil and ground water contamination associated with the referenced site. Such work will likely

Robert Boust UNOCAL Bulk Plant #0362 3357 Gardella, Livermore June 23, 1992

entail the installation of both on- and off-site monitoring wells. Please also include plans to extend the length of the current on-site wells' slotted intervals. This work plan is due within 45 days of the date of this letter.

Information obtained during this phase of the investigation shall be used in development of an appropriate Corrective Action Plan (CAP). Your attention is directed to Article 11 of 23 CCR to aid your CAP development.

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 reports and proposals should also be sent to Eddy So of the RWQCB.

Should you have any questions about the content of this letter, please call Ms. Eva Chu at (510) 271-4530.

Sincerely,

Scott O. Seery, CHMM

Senior Hazardous Materials Specialist

cc: Eddy So, RWQCB

Gil Jensen, Alameda County District Attorney's Office

Danielle Stefani, Livermore Fire Department

Howard Hatayama, DTS

file

May 2, 1991

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

Mr. Ron Bock Unocal Corp. P.O. Box 5155 San Ramon, CA 94583

RE: Report from Mittelhauser Corp. on subsurface conditions at Unocal Bulk Plant #0362, 3357 Gardella Plaza, Livermore

Dear Mr. Bock:

After our discussion on the phone several days ago, this office has received and had the opportunity to review the report on the soil borings and monitoring well at the above site. It is noted that this report and accompanying proposal for further work were submitted only after I happened to notice evidence of a subsurface investigation at the site, and after notifying Unocal that we had no record of the investigation. Clearly, there have been unauthorized releases of hydrocarbons at this facility. As a result, Unocal must take the following steps: 1) file an Unauthorized Release Report with us immediately, to document the contamination; and 2) conduct a preliminary assessment to determine the scope of the problem. As indicated in the Mittelhauser report, additional wells need to be installed, the goal of which will be to define the plume of groundwater contamination.

The preliminary assessment referred to above should be designed to provide all of the information in the format shown in the attachment at the end of this letter, which is based on Regional Water Quality Control Board (RWQCB) guidelines. This office will be the lead agency overseeing environmental investigation and cleanup activities at the site. The RWQCB is currently unable to manage the large number of fuel leak cases within Alameda County, and has therefore delegated this authority to our office. However, you need to keep the Water Board apprised of all actions taken to characterize and remediate contamination at this site, because the Board retains the ultimate responsibility for ensuring protection of waters of the state.

Please submit a report on preliminary assessment activities (according to Mittelhauser's work plan) to this office by June 13, 1991. Copies of the report and of all subsequent technical documents should also be sent to the RWQCB (attention: Lester Feldman). Because we are overseeing this site under the designated authority of the Water Board, this letter constitutes a formal request for technical reports, per Sec. 13267(b) of the California Water Code. Failure to respond in a timely manner could result in

Mr. Ron Bock May 2, 1991 Page 2 of 2

civil liabilities under the Water Code of up to \$1,000 per day. Other violations of California law may also be cited.

In addition, please submit a deposit of \$500, made payable to Alameda County, for our oversight of this case. As with other such cases in the county, we will draw upon these funds at an hourly rate of \$67 whenever a Hazardous Materials Specialist works on the case. As you're aware, our active oversight is necessary to help move this site towards remediation.

If you have any questions about this letter or about site investigation requirements established by the RWQCB, please contact me at 271-4320.

Sincerely,

Gil Wistar

Gilbert M. Wiston

Hazardous Materials Specialist

enclosure

cc: Danielle Stefani, Livermore Fire Department

Howard Hatayama, DOHS

Lester Feldman, San Francisco Bay RWQCB

Gil Jensen, District Attorney, Alameda County Consumer and Environmental Protection Division

Rafat Shahid, Asst. Agency Director, Environmental Health files

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