

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



SENT 5-23-2000  
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ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

May 22, 2000

Ms. Karen Petryna  
Equiva Services LLC  
PO Box 7869  
Burbank, CA 91501-7869  
STID 590

RE: Former Shell, 2160 Otis Drive, Alameda, CA 94501

Dear Ms. Petryna:

In a letter dated March 30 1998, this office approved the workplan prepared by Cambria Environmental dated March 25, 1998 to install a monitoring well. Please inform this office with 5 days of the receipt of this letter if this well has been installed. The site file in this office has no record of this well being installed.

If you have any questions, please contact me at (510) 567-6774.

Sincerely,

  
Larry Seto  
Sr. Hazardous Materials Specialist

Cc: Ailsa S. Le May, Cambria, Environmental, 1144 65<sup>th</sup> Street, Suite B,  
Oakland, CA 94608

Files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



RO# 2433 (LOP)  
✓ RO# 2893 (LOP)

RAFAT A. SHAHID, Assistant Agency Director

February 8, 1995

Mr. Dan Kirk  
Shell Oil Company  
P.O. Box 4023  
Concord, CA 94524

ALAMEDA COUNTY CC 430-4510  
DEPT. OF ENVIRONMENTAL HEALTH  
ENVIRONMENTAL PROTECTION DIVISION  
1131 HARBOR BAY PKWY., RM.250  
ALAMEDA, CAL. 94502-6577

STID 590

Re: Work plan for further investigations at Shell Service Station WIC #204-0072-0502, located at 2160 Otis Drive, Alameda, CA

Dear Mr. Kirk,

This office has reviewed Weiss Associate's (Weiss) work plan, dated January 26, 1995. This work plan is acceptable to this office. Per Weiss' proposal, the site will be considered for closure subsequent to the implementation of this work plan, only if both of the following conditions hold:

- o The concentrations of benzene and chlorinateds are Non Detect or substantially lower in the boring placed immediately upgradient of Well MW-2, than concentrations observed in Well MW-2.
- o The concentrations of benzene and chlorinateds in the proposed downgradient boring are noticeably greater than concentrations in Well MW-2, which would be indicative of a potential off-site source.

Field work shall commence within 60 days of the date of this letter. A report documenting field activities shall be submitted to this office within 45 days after completing field activities.

If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin  
Senior Hazardous Materials Specialist

cc: Joyce E. Adams  
Weiss Associates  
5500 Shellmound St.  
Emeryville, CA 94608-2411

Edgar Howell

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



RAFAT N. SHANID, Assistant Agency Director

R02433

✓ R02893

October 28, 1994

Mr. Dan Kirk  
Shell Oil Company  
P.O. Box 4023  
Concord, CA 94524

ALAMEDA COUNTY CC4580  
DEPT. OF ENVIRONMENTAL HEALTH  
ENVIRONMENTAL PROTECTION DIVISION  
1131 HARBOR BAY PKWY., #250  
ALAMEDA CA 94502-6577

STID 590

Re: Required investigations at Shell Service Station WIC #204-0072-0502, located at 2160 Otis Drive, Alameda, California

Dear Mr. Kirk,

This office has reviewed Weiss Associates' Closure Request for the site, dated August 25, 1994. Closure cannot currently be granted at the site due to the fact that ground water samples collected from the downgradient Well MW-2 have frequently identified levels of VOCs, such as PCE, trans-1,2-DCE, cis-1,2-DCE, and vinyl chloride, exceeding established MCL levels. Although the TDS for groundwater beneath the site exceeds 3,000 ppm, no Risk Assessment has been conducted to indicate whether these levels will pose a human or ecological health threat.

All the investigative site information made available to our office indicates that the VOC contamination may be resulting from on site. Well MW-2, which is located immediately downgradient of on-site activities, has consistently identified VOC concentrations, whereas both the upgradient wells, Wells MW-1 and S-1, have not. To date, there is insufficient evidence and investigations to confirm that the VOC concentrations are resulting from off-site.

If it cannot be shown that the VOC concentrations are from an off-site source, you will be required to fully characterize the extent of this VOC plume. Investigations must assess the possibility for migration along utility lines. Full characterization of contaminant plumes are also standardly required as a precedent to Non-Attainment Zones and/or Risk Assessments proposals.

Although the ground water gradient at the site has been shown to be flowing away from the Bay, there is some concern that the gradient flow directions may vary immediately off site and may eventually veer towards the Bay. This is based on the fact that other sites in the vicinity of your site have observed the ground water gradient to be flowing towards the Bay. If the VOC

Mr. Dan Kirk  
Re: 2160 Otis  
October 28, 1994  
Page 2 of 2

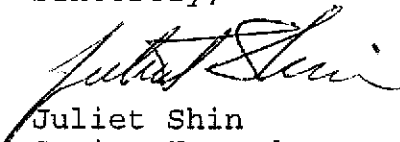
plume does make its way to the Bay, it may pose a threat to aquatic life. If a Risk Assessment is conducted, this potential threat will need to be assessed.

Lastly, it is uncertain whether Well MW-2 is screening adequately to identify representative levels of VOCs, based on the fact that VOCs are generally heavier and at lower screen intervals than TPHg and BTEX.

Based on the above concerns, this office is requesting that a work plan be submitted, **within 60 days** of the date of this letter, addressing the above issues. Please be reminded that quarterly ground water monitoring is currently required to continue at the site.

If you have any questions or comments, please contact me at (510) 567-6700.

Sincerely,



Juliet Shin  
Senior Hazardous Materials Specialist

cc: David Elias  
Weiss Associates  
5500 Shellmound St.  
Emeryville, CA 94608-2411

Edgar Howell

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R02433  
✓ R02893

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

May 17, 1994

Mr. Dan Kirk  
Shell Oil Company  
P.O. Box 4023  
Concord, CA 94524

STID 590

Re: Required investigations at Shell Service Station WIC #204-0072-0502, located at 2160 Otis Drive, Alameda, California

Dear Mr. Kirk,

This office has received Weiss Associates' (Weiss) letter, dated May 6, 1994, which proposes a Risk Assessment in lieu of additional off-site investigations at the above site, that was required in a March 24, 1994 letter from the County. In response to Weiss' letter, I discussed the proposal with Kevin Graves, Regional Water Quality Control Board, and we determined that it was still necessary to conduct off-site investigations to further characterize the VOC ground water contaminant plume, identified in Well MW-2, and to determine whether it is coming from on site or off site. If the VOC plume is determined to be the result of on-site sources, you will be required to delineate the extent to which this plume has impacted both soil and ground water.

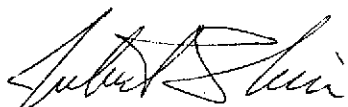
Borings or wells that are utilized for this investigation must be screened properly to account for the density of VOCs and, therefore, their tendency to sink. Currently, Well MW-2 is only screened from 4 feet to 17 feet below ground surface, and ground water samples collected from this well may not be representative of the actual VOC levels present in that location. Additionally, if "grab" ground water samples are collected for this investigation, one boring may be required adjacent to Well MW-2 as a calibration point, since contaminant concentrations may tend to be higher in the "grab" ground water samples collected due to greater amounts of particulates.

As part of the off-site investigations, it is advisable that you look into the possibility of utility lines acting as conduits for contaminant migration either on to the site or off site.

A work plan addressing further investigations is due to this office **within 45 days** of the date of this letter. If you have any questions or comments, please contact me at (510) 271-4530.

Mr. Dan Kirk  
Re: 2160 Otis  
May 18, 1994  
Page 2 of 2

Sincerely,



Juliet Shin  
Hazardous Materials Specialist

cc: David Elias  
Weiss Associates  
5500 Shellmound St.  
Emeryville, CA 94608-2411

Edgar Howell-File(JS)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R02433  
v R02893

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

March 24, 1994

Mr. Dan Kirk  
Shell Oil Company  
P.O. Box 4023  
Concord, CA 94524

STID 590

Re: Investigations at Shell Service Station WIC #204-0072-0502,  
located at 2160 Otis Drive, Alameda, California

Dear Mr. Kirk,

This office has reviewed Weiss Associates' (Weiss) Quarterly Ground water Report, dated March 2, 1994, for the above site. In this report, Weiss proposes that sampling of Well MW-2 be switched from quarterly to biannual sampling. However, unacceptable levels of TPHg, benzene, and chlorinated hydrocarbons have consistently been detected from this well. Therefore, the quarterly sampling frequency must be maintained for Well MW-2.


Additionally, it is still not certain whether the ground water contamination being identified from Well MW-2 is resulting from on site or off site. In Weiss' February 24, 1993 Subsurface Investigation Report, it was suggested that the chlorinated hydrocarbons being detected in this well may be due to a small spill associated with the former site use. Due to the uncertainty of the source, it appears that off-site ground water investigations will be required to determine whether the observed contamination is an off-site source. The collection of "grab" ground water samples from hydropunches or borings will be acceptable in conducting these investigations. A work plan addressing further investigations is due to this office **within 45 days** of the date of this letter.

If the TPHg, benzene, and chlorinated hydrocarbon contamination is determined to be coming from on site, further investigations, possibly including the installation of additional wells, and remediation may be required. If it can be proven that this contamination is the result of an off-site source, then this office may possibly be able to grant closure for the underground storage tank investigations at the site.

Mr. Dan Kirk  
Re: 2160 Otis Drive  
March 24, 1994  
Page 2 of 2

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

Sincerely,



Juliet Shin  
Hazardous Materials Specialist

cc: David Elias  
Weiss Associates  
5500 Shellmound St.  
Emeryville, CA 94608-2411

Edgar Howell-File(JS)



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

WILLIAM A. BEARS, Agency Director



✓ R02893

R02433

RAFAT A. SHAHID, Assistant Agency Director

December 30, 1993  
STID # 590

Ms. Karen Clark  
HS&E Administrative Support  
Shell Oil Company  
P.O. Box 4023  
Concord, California 94524

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

Re: FIVE YEAR UNDERGROUND STORAGE TANK PERMIT AT,  
SHELL #0072, 2160 OTIS DRIVE, ALAMEDA 94501

Dear Ms. Clark:

Enclosed is your five year permit to operate three underground fuel tanks and one waste oil tank at the above referenced facility. The fuel tanks are single-walled fiberglass and the waste oil tank is double-walled. Their associated piping is single-walled.

To operate under a valid permit, you are required to comply with the conditions in Title 23 of the California Code of Regulations (CCR). Based on these requirements, the waste oil tank must be monitored by an electronic alarm system. Statistical Inventory Reconciliation (SIR) with bi-annual integrity testing is the required monitoring method for each 10,000 gallon fuel tank on site.

You may consult the revised Title 23, CCR for additional requirements. To obtain a copy of the regulations, you may contact the State Water Resources Control Board at (916) 657-0917.

Please, do not hesitate to contact me with any questions at (510) 271-4320, Monday through Thursday.

Sincerely,

A handwritten signature in cursive script that reads "Kevin Tinsley".

Kevin Tinsley  
Hazardous Materials Specialist

c, Edgar Howell, Chief - files (kt)  
Robert Han, Shell Dealer

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



✓ R02893  
R02433

December 28, 1993

CERTIFIED MAILER #: P 386 338 224

Alameda Shell#204-0072-0569  
2160 Otis Dr.  
Alameda, 94501  
UGTID: 590

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

**Re: FIVE-YEAR PERMITS FOR OPERATION OF UNDERGROUND STORAGE TANK(S)  
2160 Otis Dr. Alameda, 94501**

Dear Owner/Operator:

According to our records your facility referenced above has not received a five-year permit to operate UST's. In order to obtain a permit you must complete the following items marked below and return them within 30 DAYS. The necessary forms are enclosed. You may complete a "Consolidated Underground Tank Management Plan" which will assist you in preparing a monitoring plan, site plot plan and spill response plan for your tank(s). If supplemental information or forms are required, please submit it to this office with the completed questionnaire and application forms:

- \_\_\_ 1. An accurate and complete plot plan.
- \_\_\_ 2. A written spill response plan. (enclosed)
- \_\_\_ 3. A written tank monitoring plan. (enclosed)
- \_\_\_ 4. Results of precision tank test(s), (initial and annual).
- \_\_\_ 5. Results of precision pipeline leak detector tests (initial and annual).
- \_\_\_ 6. Complete UST PERMIT FORM A-one per facility. (enclosed)
- \_\_\_ 7. Complete UST PERMIT FORM B-one per tank. (enclosed)
- \_\_\_ 8. Complete UST PERMIT FORM C-one per tank if information is available. (enclosed)
- \_\_\_ 9. Letter stating how the tank is to be maintained during one year closure.

Be advised that Title 23 of the California Code of Regulation prohibits the operation of "ANY" UST without a permit. If our records are in error, you must contact this office immediately TO AVOID POSSIBLE ENFORCEMENT ACTION. Please feel free to contact this office at (510) 271-4320; to answer any questions which may arise in completing the mandatory five-year permit process. Be prepared to provide your zip code to speak with the Hazmat Specialist handling your case.

Sincerely,

*Cyberia Manje for LARRY SETO.*

LARRY SETO  
Sr HazMat Specialist

c: Edgar Howell, Chief, Hazardous Materials Div. (files)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R02433

✓ R02893

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

July 28, 1993

Mr. Dan Kirk  
Shell Oil Company  
P.O. Box 4023  
Concord, CA 94524

STID 590

Re: Additional analysis requirements for Shell Service Station  
WIC #204-0072-0502, located at 2160 Otis Drive, Alameda, CA

Dear Mr. Kirk,

This office has received and reviewed the Quarterly Ground water Monitoring Report, dated June 7, 1993, for the above site. Future ground water samples collected from monitoring well MW-2 should also be analyzed for Total Oil and Grease, which this office forgot to request in a March 4, 1993 letter to Shell.

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

Sincerely,

Juliet Shin  
Hazardous Materials Specialist

cc: Richard Hiett, RWQCB

Scott MacLeod  
Weiss Associates  
5500 Shellmound St.  
Emeryville, CA 94608-2411

Edgar Howell-File(JS)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R02433

✓ R02893

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

March 4, 1993

Mr. Dan Kirk  
Shell Oil Company  
P.O. Box 4023  
Concord, CA 94524

STID 590

Re: Investigations at the Shell Service Station site, located  
at 2160 Otis Drive, Alameda, California

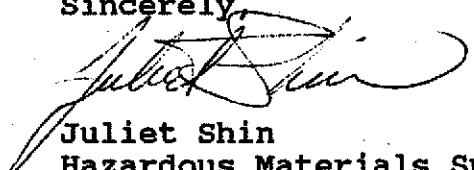
Dear Mr. Kirk,

This office has received and reviewed Weiss Associates Subsurface Investigation report, dated February 24, 1993. You are required to continue quarterly monitoring for Well MW-2, analyzing the samples for TPHg, TPHg, BTEX, and HVOCs. It appears that sampling for Monitoring Wells S-1 and MW-1 can be switched to annual monitoring, due to the fact that no concentrations of TPHg or BTEX have been identified in the last two years of quarterly monitoring for these two wells. However, the annual analysis for samples collected from Well S-1 should include VOCs, since concentrations of VOCs were detected from this well in former sampling events.

Additionally, in the above cited report, it is suggested that the low HVOC concentrations detected in Well MW-2 may be due to a small spill associated with the former site use. This office would like you to submit any information you may have on the former uses of the site.

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

Sincerely,



Juliet Shin  
Hazardous Materials Specialist

cc: Richard Hiatt, RWQCB

David Elias  
Weiss Associates  
5500 Shellmound St.  
Emeryville, CA 94608-2411

Edgar Howell-File(JS)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R02433

v R02893

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

September 22, 1992

Mr. Dan Kirk  
Shell Oil Company  
P.O. Box 4023  
Concord, CA 94524

STID 590

RE: The work plan for the Shell Service Station site, located  
at 2160 Otis Drive, Alameda, California

Dear Mr. Kirk,

This office has received the work plan, dated September 2, 1992, for the above site. The work plan proposes the use of a photo-ionization detector (PID) on the collected soil samples in place of analyzing them at a certified laboratory. However, use of the PID alone, without lab analysis of any of the soil samples, is unacceptable. You are required to analyze a minimum of one soil sample from each of the borings for BTEX, TPHg, and VOCs. Please be reminded that soil samples are to be collected from the borings at 5-foot depth intervals, at changes of lithology, and at the soil/water interface. In the case where the analysis of a single soil sample is appropriate in a particular boring, the sample analyzed shall be the one collected at the saturated/unsaturated zone interface.

Per the phone conversation between David Elias, Weiss Associates, and myself on September 21, 1992, all the grab ground water samples collected from the two borings will be analyzed at a certified laboratory for BTEX, TPHg, and VOCs.

Pursuant to Section 2723, Article 11, Title 23 California Code of Regulations, you are required to assess the nature and vertical and lateral extent of the soil and ground water contamination at the site. The proposed borings are acceptable as a screening tool, however, they cannot act as a substitute for the permanent monitoring wells required to further delineate and continually monitor the ground water contaminant plume at the site. Within 45 days of completing and sampling the two borings, you will be required to submit a work plan addressing the installation of additional monitoring wells.

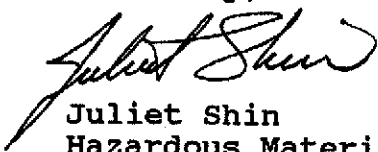
This is a formal request for technical reports pursuant to California Water Code Section 13267 (b). Failure to respond or a late response could result in the referral of this case to RWQCB for enforcement, possibly subjecting the responsible party to

Dan Kirk  
RE: 2160 Otis Drive  
September 22, 1992  
Page 2 of 2

civil penalties to a maximum of \$1,000 per day. Any extensions of the stated deadline, or modifications of the required tasks, must be confirmed in writing by this Department or RWQCB.

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

Sincerely,



Juliet Shin  
Hazardous Materials Specialist

cc: Richard Hiett, RWQCB

Robert La Grone, Alameda Fire Dept.

Mark Thompson, Alameda County District Attorney's Office

David Elias  
Weiss Associates  
5500 Shellmound St.  
Emeryville, CA 94608-2411

Edgar Howell-File (JS)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R02433 (LOP)  
✓R02893 (LOP)

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

August 7, 1992

Mr. Dan Kirk  
Shell Oil Company  
P.O. Box 4023  
Concord, CA 94524

STID 590

RE: Required investigations at the Shell Service Station site,  
located at 2160 Otis Drive, Alameda, California

Dear Mr. Kirk,

The Department is in receipt of the July 23, 1992 Weiss Associates response to the June 17, 1992 request from this office for the submittal of a work plan addressing the delineation, containment, and remediation of ground water contamination at the site. Our review of Weiss Associate's response was performed in context with the August 1991 Tri-Regional Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks, the SWRCB LUFT field manual, and Article 11 of Title 23, California Code of Regulations (CCR).

As articulated in the cited June 17, 1992 correspondence, ground water samples collected from Well MW-2, the site's only "downgradient" monitoring well from the former underground storage tank, have consistently identified elevated concentrations of Total Petroleum Hydrocarbons as gasoline (TPHg) as high as 190,000 ppb, and benzene as high as 55,000 ppb. However, ground water samples collected from both the upgradient wells have never exhibited concentrations of contaminants above detection limits, indicating that the observed ground water contamination from Well MW-2 is resulting from an on-site release. Additionally, ground water samples collected from Well MW-2 have also consistently contained traces of Volatile Organic Compounds, with some compounds, such as vinyl chloride, exceeding the drinking water standards set by the U.S. Environmental Protection Agency (EPA) and by CAL-EPA.

The Weiss Associates letter states that no additional investigations are warranted at the site because the highest contaminant concentrations of ground water, cited in the previous paragraph, were anomalies. However, this well has **consistently** exhibited **unacceptable** levels of TPH and benzene in the majority of the quarterly monitoring events to date. For example, benzene

Dan Kirk  
Re: 2160 Otis Drive  
August 7, 1992  
Page 2 of 3

concentrations, consistently exceeding the State's MCL of 1 ppb, (e.g., 150 ppb, 51 ppb, 21 ppb, etc.), have been identified in Well MW-2 for almost every quarterly monitoring event.

Additionally, the Weiss Associates letter stated that additional investigations were not warranted because petroleum hydrocarbon concentrations have been steadily decreasing in Well MW-2. However, the decreasing contaminant concentrations could be the result of ground water contaminants migrating off site. More importantly, the possibility exists that the contaminants being detected in Well MW-2 represent concentrations only at the fringes of a ground water plume. This position is supported by historical gradient information which indicates MW-2 is located more cross-gradient than downgradient from both the dispenser islands and the fuel underground storage tank complex.

Review of the data generated since the investigation began in September 1987 clearly indicates that the extent of ground water contamination stemming from the unauthorized release(s) at this site has not been adequately defined. The cited Tri-Regional guidance document requires that the extent of ground water contamination be investigated, as does Article 11, 23 CCR. It is not adequate to speculate that ground water downgradient of Well MW-2, or downgradient of other potential sources of contamination at the site, has not been affected by this confirmed release without producing hard data supporting your position, achieved only through the installation, sampling, and monitoring of additional wells appropriately located in the confirmed downgradient directions from the contaminant source(s). Closure of this site will not occur without such a ground water investigation.

At this time, pursuant to Section 2720 et seq. of Article 11, Title 23, CCR, you are hereby directed to submit a work plan to this office **within 30 days** of the receipt of this letter tailored to meet the objectives cited above. Data generated during the implementation of this work plan will be used by Shell to propose a Corrective Action Plan (CAP). The CAP shall include, among other elements, those listed in Section 2725 (d) et seq. of 23 CCR.

Please be advised that this is a formal request for technical reports pursuant to **California Water Code Section 13267(b)**. Failure to respond or a late response could result in the referral of this case to RWQCB for enforcement, possibly subjecting the responsible party to civil penalties to a maximum of \$1,000 per day. Any extensions of the stated deadline, or modifications of the required tasks, must be confirmed in writing by this Department or RWQCB.



Dan Kirk  
Re: 2160 Otis Drive  
August 7, 1992  
Page 3 of 3

If you have any questions or comments, please contact Ms. Juliet  
Shin at (510) 271-4530.

Sincerely,



Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Richard Hiett, RWQCB

Robert La Grone, Alameda Fire Dept.

Mark Thompson, Alameda County District Attorney's Office

David Elias  
Weiss Associates  
5500 Shellmound St.  
Emeryville, CA 94608-2411

Edgar Howell- File (JS)

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R02433

VR02893

RAFAT A. SHAHID, Assistant Agency Director

June 17, 1992

Mr. Dan Kirk  
Shell Oil Company  
P.O. Box 4023  
Concord, CA 94524

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

STID 590

RE: Investigations at the currently active Shell Service Station,  
located at 2160 Otis Drive, Alameda, California

Dear Mr. Kirk,

In June 1987, a 550-gallon waste oil tank was removed from the above site. Analysis of soil samples collected from the tank excavation following the tank removal indicated 1,700 parts per million (ppm) Total Oil and Grease (TOG) in a sample collected from the native soil beneath the tank. Ground water was also observed in the tank pit.

Since the tank pull, a total of three wells, S-1, MW-1, and MW-2, have been installed on site and monitored quarterly for over two years. Ground water samples collected from Well S-1, located within 10 feet of the former tank pit, and Well MW-1, an upgradient well, have never exhibited concentrations of contaminants above detection limits. However, ground water samples collected from Well MW-2, located downgradient of the former tank pit, has consistently identified elevated concentrations of Total Petroleum Hydrocarbons as gasoline and benzene as high as 190,000 ppb and 55,000 ppb. Additionally, groundwater samples collected from this well have also consistently contained traces of Volatile Organic Compounds, with some compounds, such as vinyl chloride, exceeding the drinking water standards set by the U.S. Environmental Protection Agency (EPA) and by CAL-EPA.

You are required to submit a work plan to this office within 45 days of the receipt of this letter addressing the delineation, containment, and remediation of the contaminant plume beneath the above site. Please include a timetable giving the schedule of work events. These proposals must adhere to the Regional Water Quality Control Board's (RWQCB) Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks, the State Water Board's LUFT manual, and be consistent with the corrective action requirements set forth under Article 11, Section 2720 et seq., of Title 23, California Code of Regulations. Copies of all plans and proposals should be sent to this office for approval.

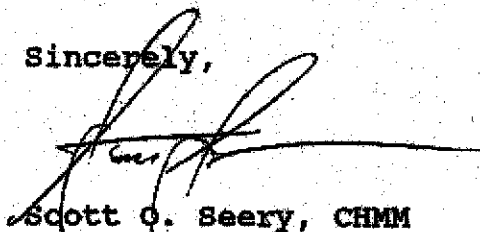
Please be aware that you must continue to prepare quarterly ground water monitoring reports and submit them to this office.

Dan Kirk  
RE: 2160 Otis Drive  
June 17, 1992  
Page 2 of 2

Please be advised that this is a formal request for technical reports pursuant to California Water Code Section 13257 (b). Any extensions of the stated deadlines or modifications of the required tasks must be confirmed in writing by either this agency or RWQCB.

If you have any questions or comments, please contact Ms. Juliet Shin at (510) 271-4320.

Sincerely,



Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Richard Hiett, RWQCB

Richard Quarante, Alameda Fire Dept.

David Elias  
Weiss Associates  
5500 Shellmound Street  
Emeryville, CA 94608-2411

Ed Howell-File (JS)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY  
DAVID J. KEARS, Agency Director



✓R02893 >(2160  
R02433 Otis)  
R0335 (2340 Otis)

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

November 9th, 1990

Vincent J. Patula, Unitech Services Group  
3540 Oakdale Road  
PO Box 6673  
Modesto, CA 95355

re: USG letter of 109/5/90, Job #384-1, Phonecon of 11/2/90

Dear Mr. Patula

In response to your letter of October 5th, 1990 and phone call of November 2nd, 1990, we have searched our files with the following results:

Shell Station, 2160 Otis Drive, Alameda:  
Tanks tested 5/16/90  
SU U/L pass, U/L pass, REG pass.

Chevron Station, 2340 Otis Drive, Alameda:  
Tanks tested 7/9/90  
RUN tight, RES tight, PUN tight.

This information is based the most recent testing reports in our files as of November 9, 1990.

Please remit \$60.00 to Alameda County, 80 Swan Way, Room 200, Oakland, CA 94621 for one hour of employee time searching files.

Sincerely,

A handwritten signature in cursive script that reads "William F. Faulhaber".

William F. Faulhaber, HazMat Specialist

cc: E.B. Howell, Chief, HazMat Division

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



✓ R02893

R02433

June 26, 1990

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

Ms. Lisa Foster  
Shell Oil Company  
P.O. Box 4023  
Concord, CA 95424

RE: Underground Storage Tank Permitting  
Alameda Shell, 2160 Otis Drive,  
Alameda, CA 94501

Dear Ms. Foster:

This letter is in regards to the issuance of a 5 year permit to operate the four underground storage tanks at the above mentioned facility. Our office had requested information pertaining to the quarterly inventory monitoring report ( October thru December 1989) for the four underground tanks. We received the information we requested from Mr. Robert Han, dealer of the Alameda Shell.

As a reminder, please be aware that you are required to report on your quarterly monitoring report any daily inventory swings which exceed the allowable levels specified in Section 2641 (5) (b) of the California Code of Regulations, Title 23, Chapter 3, Subchapter 16, Underground Tank Regulations. An explanation in writing as to the cause of the variation should also be submitted to this office. All records must be maintained on site for the last three years.

Enclosed is a five year permit to operate the four underground tanks.

If you have any question, please contact Susan Hugo, Hazardous Materials Specialist at (415) 271-4320.

Sincerely,

Edgar B. Howell III, Chief  
Hazardous Materials Division

EBH:SH:sh

Enclosures (2)

cc: Mr. Robert G. Wallin, Shell Area Manager  
Mr. Robert Han, Dealer

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



✓R02893

R02433

April 5, 1990

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

Ms. Lisa Foster  
Shell Oil Company  
P.O. Box 4023  
Concord, CA 95424

RE: Underground Tank Issuance of Five Year Permit

Dear Ms. Foster:

An underground tank inspection was conducted at Robert Han Shell located at 2160 Otis Dr., Alameda, CA 94501 on January 31, 1990 by Susan Hugo of our department.

The California Code of Regulations, Title 23, Chapter 3, Subchapter 16, Underground Tank Regulations, Section 2641 (5) (b) requires that any inventory swings which exceed the allowable levels must be justified as to the cause of the variations. Upon reviewing your quarterly monitoring report (October thru December 1989), it showed inventory swings exceeding the allowable levels. Please submit to this office an explanation in writing as to the cause of the variations.

The Five Year permit will be issued as soon as the department receives the above mentioned document.

If you have any question, please contact Susan Hugo, Hazardous Materials Specialist at (415) 271-4320.

Sincerely,

Edgar B. Howell III, Chief  
Hazardous Materials Division

EBH:SH:sh

cc: Gil Jensen, Alameda County District Attorney, Consumer and  
Environmental Protection Agency  
Ken Lottinger, Area Manager, Shell Oil Company  
Robert Han, Dealer  
Files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R02893

DEPARTMENT OF ENVIRONMENTAL HEALTH (12)  
Hazardous Materials Program  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
(415)

June 24, 1989

Mr. Joseph P. Theisen, Project Geologist  
Weiss Associates  
2938 McClure St.  
Oakland, CA 94609

Dear Mr. Theisen:

In response to your request for a file search of our records for the Shell Oil Tank Closures for the following locations, the following information is presented to you:

**ALAMEDA**

2160 Otis Dr.

(R02433)  
(R02893)

No records of tank removal available in our files with the exception of a letter from Petroleum Engineering Inc. to T. Gerow of Alameda County Health Care Services for installation plans to replace waste oil tanks.

1601 Webster

(R01042)  
(R02745)

Same information

**HAYWARD**

1097 W. Tennyson

No record of tank pull recommend you contact Hayward Fire Dept.

**LIVERMORE**

(R0769)  
(R02525) 318 S. Livermore

No record of tank pull

1155 Portola

(R01054)  
(R02566)

Inspection dated 9/27/88 requested tank closure plan for waste oil tank. No plan received to date

Mr. Joseph P. Theisen  
Weiss Associates  
Oakland, CA 94609  
June 24, 1989  
Pages 2 of 2

809 E. Stanley No record of tank pull

(R02524)

**SAN LEANDRO**

(R0367) 1784 - 150th No record of tank pull

(R0156) 1285 Bancroft No record of tank pull, recommend you contact the  
San Leandro Fire Dept.

**OAKLAND**

510 E. 14th St. No record of tank pull

(R0349) 7915 E. 14th St. No record of tank pull

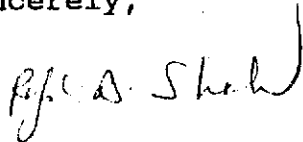
If the above tanks were pulled, we would request that you provide us with copies of any lab results from soil samples taken, manifest of the tanks or contaminated soil removed, etc.

This letter is limited to information available to this department and does not reflect other information, which may be accessible to other agencies or businesses involved with these properties.

Please find enclosed, a copy of the invoice sent to our Billing Unit, Alameda County Environmental Health Dept.

If you have any questions, please call Edgar Howell, Supervising Hazardous Materials Specialist, at (415) 271-4320.

Sincerely,



Rafat A. Shahid, Chief,  
Hazardous Materials Program

RAS:EH:mnc

cc: Edgar Howell, Alameda County Hazardous Materials Program  
Files