

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



out
05-12-06

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

May 11, 2006

Mr. Denis Brown
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

J.T., Elizabeth G., W.T., and Jeanette Watters, Trust
600 Caldwell Road
Oakland, CA 94611

Subject: Fuel Leak Case No. RO0000220, Shell, 285 Hegenberger Road, Oakland, CA

Dear Mr. Brown:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the report entitled, "Site Conceptual Model," dated April 14, 2006. The report summarizes the site history and site conceptual model and also presents recommendations for future tasks. The report recommends verifying whether VM-1 through VM-4 still exist, conducting file reviews, and obtaining utility maps for Hegenberger Road to construct geologic cross sections. The proposed tasks are acceptable to ACEH.

We request that you perform the proposed work and send us the reports described below.

TECHNICAL COMMENTS

1. **Investigation for Adjacent Property at 295 Hegenberger Road.** The Site Conceptual Model recommends reviewing historical concentrations and the current status of environmental investigations at 295 Hegenberger Road. A brief review of ACEH files indicates that the fuel leak case at 295 Hegenberger Road (case RO723) was closed on May 14, 1996. One monitoring well, apparently installed within the tank backfill, was sampled five times from 8/26/94 to 8/17/95. Based on information in the case closure summary, total petroleum hydrocarbons as gasoline and BTEX were not detected in groundwater with reporting limits of 50 and 0.5 ppb, respectively. TPH as diesel was detected at concentrations up to 830 ppb in groundwater samples from the monitoring well.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **November 15, 2006** – Semi-Annual Monitoring Report for the Third Quarter 2006

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

Effective January 31, 2006, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

Denis Brown
J.T., Elizabeth G., W.T., and Jeanette Watters, Trust
May 11, 2006
Page 3

UNDERGROUND STORAGE TANK CLEANUP FUND

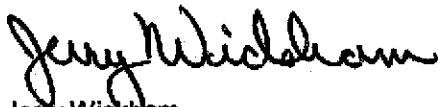
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Cynthia Vasko
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

SENT
12-20-05

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

December 20, 2005

Mr. Denis Brown
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

J.T., Elizabeth G., W.T., and Jeanette Watters, Trust
600 Caldwell Road
Oakland, CA 94611

Subject: Fuel Leak Case No. RO0000220, Shell, 285 Hegenberger Road, Oakland, CA

Dear Mr. Brown:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site and the reports entitled, "Additional Interim Remediation Report," dated June 30, 2005 and "Fourth Quarter 2005 Monitoring Report," dated December 14, 2005. Both reports were prepared on Shell's behalf by Cambria Environmental Technology, Inc. The Interim Remediation Report presents the results of interim dual-phase extraction (DPE) conducted at the site in April 2005. The results of the interim DPE indicate that soils at the site have low permeability to air and groundwater flow, which limits the effectiveness of in-situ remedial technologies. Elevated concentrations of fuel hydrocarbons continue to be detected in groundwater in on-site monitoring wells but concentrations are significantly lower in off-site wells. The fuel hydrocarbon plume has stabilized within the immediate area of the site or is being intercepted by utilities crossing or adjacent to the site. We concur with the recommendation in the "Additional Interim Remediation Report" to prepare a Site Conceptual Model (SCM) to summarize site data and identify any data gaps.

Please address the following technical comments, perform the proposed work, and send us the reports described below.

TECHNICAL COMMENTS

1. **Groundwater Monitoring.** Groundwater monitoring has been ongoing at this site since 1989. Based on the long-term monitoring data available for the site, a reduction in monitoring frequency from quarterly to semi-annual is acceptable. Please present recommendations for future groundwater monitoring in the reports requested below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **April 14, 2006** – Site Conceptual Model and Quarterly Monitoring Report for the First Quarter 2006

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

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In order to facilitate electronic correspondence, we request that you provide up to date electronic mail addresses for all responsible and interested parties. Please provide current electronic mail addresses and notify us of future changes to electronic mail addresses by sending an electronic mail message to me at jerry.wickham@acgov.org.

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering

Denis Brown
J.T., Elizabeth G., W.T., and Jeanette Watters, Trust
December 20, 2005
Page 3

evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

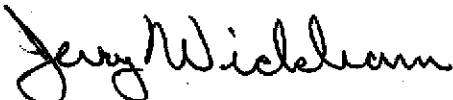
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Cynthia Vaskos
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



SENT 6-21-2000

20220

June 21, 2000
StID # 530

Ms. Karen Petryna
Equiva Services LLC
P.O. Box 7869
Burbank, CA 91510-7869

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

Re: Subsurface Investigation Report and Vapor Extraction Test Report for Shell Service Station, 285 Hegenberger Rd., Oakland CA 94621

Dear Ms. Petryna:

This letter serves to comment on the above reports and the proposal to install three vapor extraction/air sparge wells at the site. The reports respond to two agency concerns ie the potential of off-site utilities serving as preferential pathways to the nearby surface water channel and the potential of re-activating the existing vapor extraction system to treat the on-going petroleum hydrocarbon contamination.

The results of the utilities study indicate that there is a likelihood for the TPH plume to be intercepted by the adjacent storm drain. Three borings were advanced just beyond the property boundary between the boundary and the storm drain. The grab groundwater sample from boring SB-3, the easternmost boring, exhibited up to 16.5 mg/l TPH as gas, 5.1 mg/l TPH as diesel and lower levels of BTEX. MTBE, although reported at 180 ppb by EPA Method 8020, was not confirmed by EPA Method 8260. These results are consistent with the historical gradient, which indicates possible off-site migration in the southeast direction. Because the down-gradient wells, MW-11 through MW-13, are not impacted, a preferential pathway seems highly likely.

The results of the pilot soil vapor extraction test indicates that limited success would be expected if the system was re-started. This may be the result of a number of things, such as a rise in groundwater, leaving a shorter exposed well screen or decreased soil contamination due to natural attenuation. Therefore, your consultant proposes to install three vapor extraction/air sparge wells along the down-gradient edge of the site. The sparge wells will introduce oxygen, which should act as a bio-remediation barrier in addition to aerating volatile contaminants. This work plan is approved.

The report also discusses potential cleanup levels for groundwater using the Dilution Attenuation Factor (DAF) concept in the San Francisco Airport Water Board order. Note the referenced order 95-136 has been updated in order No. 99-045. Using estimated plume widths and distances from the source to the receptor (channel), your consultant determines that the benzene and MTBE concentrations should not be of concern. They

Ms. Karen Petryna
StID # 530
285 Hegenberger Rd.
June 21, 2000
Page 2.

also calculate that the TPHg may exceed the Tier 1 standard within this order. Although they state that the estimated concentration would be diluted prior to reaching the bay, this assumes that the channel does not require protection. This has not yet been shown, therefore, you cannot make this assumption.

Another item of concern is the groundwater gradient at the site. Although there is a south-east component, there may also be a southwest component. If this is the case, the open channel may be closer than estimated (reducing the DAF) and contamination on the western portion of the site would not be treated by the proposed vapor extraction/air sparge wells.

You may contact me at (510) 567-6765 if you have any comments or questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files
Mr. D. Ataide, Cambria Environmental Technology, 1144 65th St. Suite B,
Oakland CA 94608

1-285HegRd

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



SENT 6-26-2000

R0260

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

StID 3605

June 26, 2000

Mr. Murray Stevens
Kamur Industries, Inc
2351 Shoreline Drive
Alameda, CA 94501

RE: Soil Vapor Risk Evaluation for 400 San Pablo, Albany, CA

Dear Mr. Stevens:

I have completed review of the case file for the above referenced site to determine if site closure is warranted at this time. Case closure is usually recommended when the site is determined to be a low risk groundwater case, based on the definition provided in the attached State Water Resources Control Board's *Interim Guidance on Required Cleanup at Low Risk Fuel Sites*. It is this office's opinion that the site has not been adequately evaluated to demonstrate that the site presents no significant risk to human health (definition #5).

A risk assesement was prepared that evaluated the potential risk to human health and the environment due to residual petroleum hydrocarbons in groundwater. It was determined that residual hydrocarbons in groundwater did not pose an unacceptable risk to human health or the environment. The risk assessment, however, did not evaluate the potential risk due to residual hydrocarbons in soil. At this time, an addendum to the risk assesement should be submitted to address residual hydrocarbons in the vadose zone.

When the requested information has been submitted and reviewed, I will continue to evaluate the case for site closure. If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

attachment

c: Frank Hamedi, Enviro Soil Tech Consultants, 131 Tully Road, San Jose, CA 95111
Mansour Sepehr, SOMA, 2680 Bishop Dr, Suite 203, San Ramon, CA 94583

plazacar-4

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



SNT 4-5-2000
incl cc's

2020

April 5, 2000
StID # 530

Ms. Karen Petryna
Equiva Services LLC
P.O. Box 7869
Burbank, CA 91501-7869

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
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FAX (510) 337-9335

Re: Request for Technical Reports for Shell Station, 285 Hegenberger Rd., Oakland CA 94621

Dear Ms. Petryna:

This letter requests the submission of technical reports for recent and past investigations performed at the above site. In addition, please update our office of the status of the proposed work plan for the installation of the proposed bio-sparge system.

As you are aware, after the shut-down of the vapor extraction system at this site, TPHg groundwater concentrations rebounded. When the analysis of MTBE was added to the suite of analytes, MTBE was discovered to be a potential problem. As part of your investigation of potential conduits for preferential pathways, Cambria performed an off-site investigation along the existing storm drain and sanitary sewer lines in March of 1999. **To date, our office has not received this conduit study report.**

In November of 1999, because of the elevated MTBE and TPHg levels still present in groundwater, Cambria performed a vapor extraction test to determine the feasibility of restarting the VES. **To date, our office has not received the report on the results of this VET.**

Upon noticing the relative low dissolved oxygen readings in groundwater and the large negative oxidation reduction potential, Cambria proposed in February 1999 to install a low flow air compressor system to add air into vapor extraction wells, VEW-1 through VEW-4. Since then, each successive monitoring report has stated that Cambria is preparing the drawings to obtain the building permits required for the installation of this system. Please explain the delay in obtaining the permits and installing this system into the existing wells. **Please provide the requested reports and comment to the above item within 30 days or no later than May 5, 2000.**

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files
Mr. D. Ataide, Cambria Environmental, 1144 65th St., Suite B, Oakland CA 94608

Reps285Heg

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RO# 220

February 11, 1999
StID # 530

Mr. Alex Perez
Shell Oil Products Co.
P.O. Box 8080
Martinez, CA 94553

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

Re: Work Plan for 285 Hegenberger Rd., Oakland CA 94621

Dear Mr. Perez:

Thank you for the submission of the February 4, 1999 Letter Response and Work Plan for the above referenced site as prepared by Cambria Environmental Technology, Inc. (Cambria). I have reviewed this report and have spoke with Mr. Darryk Ataide of Cambria regarding its contents. Please note, this report responds to the County's December 3, 1998 letter which requested additional investigation. The work plan is conditionally approved.

To investigate preferential pathways one soil boring will be advanced within the storm drain and one within the sanitary sewer backfill. One soil from the vadose soil and one grab groundwater sample will be collected for chemical analysis. The following analytes will be tested: TPH as diesel, TPH as gasoline, BTEX and MTBE. MTBE will be confirmed using EPA Method 8260.

At this time, both human health and ecological risk assessments will be put on hold. Because the elevated benzene concentration in groundwater would necessitate a Tier 2 risk assessment, remediation will be done instead of additional sampling. Secondly, an ecological risk assessment will be done if the results of the soil borings indicate a potential risk to nearby surface water.

The status of vapor extraction and the existing system will be tested in a five-day vapor extraction test in the summer of 1999. The existing wells, VEW-1 through VEW-4, will be included in the test. Vapor samples will be collected during and at the completion of the test. Please analyze the vapor samples for the same analytes mentioned above. Please include an estimate for the amount of gasoline removed.

Instead of adding oxygen releasing compound, the four vapor extraction wells will be fitted with the equipment to biosparge these wells. Low flow rates of air will be bubbled into these wells. The progress of this treatment will be monitored in the vapor extraction and monitoring wells. Please make sure that the extraction wells are available for either extraction or sparging. If the concentration of dissolved oxygen in the monitoring wells does not increase appreciably after sparging, please consider adding oxygen releasing compound into these wells. This biosparging should be performed as soon as possible, since the vapor extraction test will not be done until summer.

Lastly, I would like to caution you that all the proposed actions will have little to no affect on the elevated MTBE concentrations in groundwater. Should MTBE migration be a concern, additional remediation methods must be considered.

Mr. Alex Perez
StID # 530
285 Hegenberger Rd.
February 11, 1999
Page 2.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files
Mr. D. Ataide, Cambria, 1144 65th St., Suite B, Oakland CA 94608

Wpap285Heg

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



20220

December 3, 1998
StID # 530

Mr. Alex Perez
Shell Oil Products Company
P.O. Box 8080
Martinez, CA 94553

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

Re: Shell Service Station, 285 Hegenberger Rd., Oakland CA 94621

Dear Mr. Perez:

Thank you for the submission of November 24, 1998 response letter from Cambria. This letter responded to comments made in my May 11, 1998 letter. I have reviewed the Cambria letter and have discussed my concerns with Mr. Darryk Ataide of Cambria. Essentially, our office at this time, does not concur with the recommendation that the addition of oxygen releasing compound (ORC) to the existing wells should be the remedial approach for the site.

The following items were discussed with Mr. Ataide and some suggestions for additional actions were made to respond to these items.

- The elevated levels of gasoline, BTEX and MTBE do not indicate that these contaminants have reached stable concentrations which would be effectively remediated with ORC compound.
- The high levels of MTBE may indicate a new release. I was confounded that one well exhibited up to 14,000 ppb MTBE while reporting < 1,000 ppb gasoline. As you are aware, many problems exist with MTBE (resistance to bioremediation, greater mobility, uncertain toxicity and very low proposed cleanup level) whereby only sites with significantly lower concentrations may be considered for closure.
- A conservative risk assessment for potential human exposure to vapor from vapor from groundwater would fail a Tier 1 RBCA.
- The site has measurable low dissolved oxygen levels and reductive (negative) redox potential in groundwater not conducive to aerobic bio-degradation.
- The subsurface utilities have not been thoroughly investigated. A worse case scenario could envision the petroleum release migrating along the sanitary sewer and impacting the nearby channel.

To address the above concerns, we posed the following items for discussion:

- To clarify the preferential pathway issue, borings could be advanced along the utilities to collect groundwater samples.
- A Tier 2 RBCA could be performed after the collection of soil vapor samples. An ecological risk assessment may also be necessary.

Mr. Alex Perez
StID # 530
285 Hegenberger Rd.
December 3, 1998
Page 2.

- The status of the vapor extraction system would be investigated. A vapor extraction test could be performed to determine the effectiveness of restarting the system.
- If active remediation is necessary, one-time or infrequent extraction from monitoring wells would be considered.
- Instead of the addition of ORC, air sparging would also be considered to oxygenate groundwater.

A work plan inclusive of all or part of the above should be submitted to our office within 45 days or by January 19, 1999. The specific contents of the work plan should be discussed with our office and Cambria prior to submittal.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

C: B.Chan, files
Mr. D. Ataide, Cambria Environmental, 1144 65th St., Suite B, Oakland CA 94608

Wprq285Heg

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

RO# 220

May 11, 1998
StID # 530

Mr. Alex Perez
Shell Oil Products Company
P.O. Box 8080
Martinez, CA 94553

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
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**Re: Site Remediation at Shell Service Station
285 Hegenberger Rd., Oakland CA 94621**

Dear Mr. Perez:

Our office has reviewed the Fourth Quarter 1997 Monitoring Report for the above site as prepared by Cambria. We have also reviewed certain historical files. It appears that the soil vapor extraction system was discontinued on February 1995 based upon decreased TPH and benzene concentration in vapor and a leveling off of the total pounds of hydrocarbon removed. The system has not been restarted since this date. Although the groundwater total petroleum hydrocarbon (TPH) concentrations have decreased from that in 1995, it appears that there has been a return to elevated TPH concentration in specific wells at this site. This is to be expected since pulsing of remediation systems is often necessary to increase the efficiency of hydrocarbon removal.

If you compare the 1995 versus the 10/97 groundwater concentrations for TPHg and benzene in monitoring wells MW-1, MW-9 and MW-10, (the historically highest impacted wells), you will see only a partial decrease. Levels as high as 34,000 ppb TPHg and 7,500 ppb benzene still exist at the site. This is one reason why you should consider restarting the SVE system. Another is the still unclear threat of MTBE in groundwater. The initial SVE operation certainly reduced MTBE concentrations but given the potential conservative cleanup requirement for MTBE, remediation would make site closure easier.

In the Pacific Environmental Group (PEG) Third Quarter 1995 Report for this site, the rationale for shutting off the SVE system was given. Their recommendation was to implement an enhanced bioremediation program possibly consisting of:

- Low flow biosparging
- Low flow bioventing
- Use of oxygen releasing compound units and
- Addition of nutrient solution containing hydrogen peroxide, nitrogen, phosphorous and trace minerals.

Mr. A. Perez
StID #530
285 Hegenberger Rd.
May 11, 1998
Page 2.

A proposal for this program was to be submitted by November 15, 1995. To date, I am not aware that this proposal has ever been submitted. This proposal is reasonable only after the source has been removed and a stable or shrinking plume exists. At this point, it is not certain that asymptotic levels of TPH have been reached. As part of this proposal, you will need to test for bioremediation parameters in groundwater in order to establish a background level and to determine which ones to add.

The absence of TPH and MTBE in the downgradient wells MW-11,12 and 13 is puzzling. MTBE is known to be resistant to bioremediation and fairly mobile in groundwater. Unless there are specific reasons for it not to migrate, one must suspect that there may be preferential pathways which groundwater is taking, especially since groundwater is shallow. Please investigate whether existing utilities may be causing preferential migration of the TPH and MTBE contamination. You may implement the proposed monitoring change for wells MW-4,8,11,12 and 13 on the condition that you investigate the potential for preferential pathways.

In regards to the analytical results, please confirm the presence of MTBE using EPA Method 8260. Our office will be providing further guidance regarding the testing for oxygenates as soon as we receive Regional Board recommendations. Please be aware that TPHg and MTBE can and should be at times analyzed separately ie using separate standards. This will avoid the problem of dilution and high detection limits for TPPH. Please contact your analytical lab for details.

Please provide the groundwater monitoring reports in a more timely fashion. It is noted that the October 1997 sampling event was sent out on March 24, 1998 and only received on March 30, 1998.

Please provide a written response and work plan addressing the above items within 30 days or by June 10, 1998.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. Khaled Rahman, Cambria Environmental, 1144 65th St., Suite B
Oakland CA 94608

ads#1285

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0220

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

May 10, 1993
StID # 530

Mr. Dan Kirk
Shell Oil Company
P.O. Box 5278
Concord, CA 94520

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

**Re: Status of Remediation/Investigation at 285 Hegenberger Rd.,
Oakland CA 94621**

Dear Mr. Kirk:

Our office has received and reviewed the April 30, 1993 first quarter 1993 monitoring report for the above site. It was noticed that levels of petroleum hydrocarbon contamination remain elevated in wells, MW-7, MW-9 and MW-10. Gradient remains southerly towards Hegenberger Rd. Our office has the following concerns:

1. Please provide an update on Shell's plan to install monitoring wells in the medium and on the other side of Hegenberger Rd. Given the high petroleum hydrocarbon concentrations in MW-7, MW-9 and MW-10 it is important to determine to what extent the plume is migrating offsite.
2. The quarterly report states that there have been delays encountered during remedial system design and that the time schedule stated in the January 14, 1993 letter will not be met. Please specify the nature of your delays and provide a revised time schedule.

You may either contact me at (510) 271-4530 or respond in writing to the two items.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Barney M. Chan'.

Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
R. Hiatt, RWQCB
M. Hurd, Pacific Environmental Group, 2025 Gateway Place,
Suite 440, San Jose, CA 95110
E. Howell, files

2-285Heg

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0220

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

December 16, 1992
STID # 530

Mr. Dan Kirk
Shell Oil Company
P.O. Box 5278
Concord, CA 94520

Re: **Comment on November 18, 1992 Letter from Pacific
Environmental Group, Inc. Describing Proposed Site
Remediation at Shell Service Station, 285 Hegenberger Rd.,
Oakland CA 94621**

Dear Mr. Kirk:

Thank you for the submittal of the November 18, 1992 letter responding to my September 30, 1992 letter regarding further subsurface investigation and remediation at the above site. I would like to comment on the information presented and the various items to which Pacific Environmental Group (PEG) responded.

1. Our office agrees with the soil vapor extraction approach being the best remedial option for this site short of extensive excavation and disposal. Therefore, the proposal for installing five soil vapor extraction wells is appropriate and should proceed as soon as possible. Please provide an updated time schedule listing the month and year anticipated for obtaining building and BAAQMD permits, installation of system and provision of report detailing the effectiveness of system. Any significant delays in this proposed schedule should be explained in writing and a modified time schedule submitted if appropriate. Please provide the actual areas of influence of the vapor extraction wells when the system is implemented.

2. During the hydropunch sampling program performed in the median in Hegenberger Rd. and on the opposite side of the street, it was unfortunate that no water samples could be obtained from SHP-2 through SHP-4. Therefore, hydrocarbons may be extending across Hegenberger Rd. yet have not been sampled and detected. We agree SHP-1 and SHP-4 should be converted into monitoring wells. Please consider converting SHP-3 as well due to the distance between these two locations.

3. I reviewed the analytical results. Please be reminded that in my September 29, 1992 letter, I requested TPH as motor oil or TOG added to the monitoring well analysis. This parameter should also be added to any offsite wells. In addition, there appears to be an error in Table 1 of the November 17, 1992 report under TPH-d. It states the concentration is in ppm while I believe it

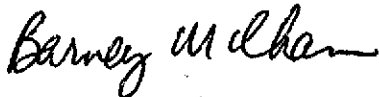
Mr. Dan Kirk
STID #530
285 Hegenberger Rd.
December 16, 1992
Page 2.

should be in ppb. To clarify this item, please include copies of the analytical reports and the chain of custody documents for this and all future reports.

Please provide the requested items and comments to the above issues within 30 days of receipt of this letter.

You may contact me at (510) if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
R. Hiatt, RWQCB
M. Hurd, PEC Inc., 620 Contra Costa Blvd., Suite 209, Pleasant Hill, CA 94523
E. Howell, files

2wp-285Heg

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0220

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

September 30, 1992
STID #530

Shell Oil Company
Attn: Mr. Daniel Kirk
P.O. Box 4023
Concord, CA 94524

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: Request for Timetable for Implementation of an Interim Remedial System at 285 Hegenberger Rd., Oakland CA 94621 Shell Station # 1085

Dear Mr. Kirk:

I have just completed the review of the second quarter's 1992 monitoring report for the above site as well as the report detailing the sampling activities subsequent to the removal of the hydraulic lifts. These results reconfirm the extensive soil and groundwater contamination on this site. I understand that you are proceeding by investigating the monitoring well on 295 Hegenberger Rd., the former Pac Bell site, as a potential offsite contributor to the "diesel" or motor oil contamination found on this site. Other current efforts include obtaining encroachment permits for performing a hydropunch survey on Hegenberger Rd. Logic being that this will help determine the extent of groundwater contamination and help pinpoint the most likely locations for offsite wells. All these items certainly may help to define the extent of contamination and possibly an additional source, but does little to remove Shell's existing hydrocarbon contamination in the soil and groundwater onsite. Passive natural biodegradation has not significantly decreased contaminant levels over time.

After our meeting on June 2, 1992, we agreed upon several items, among which were:

1. Obtaining information from adjoining property.
2. Seeking permits for the installation of well(s) in the medium of Hegenberger Rd.
3. Incorporating TPH as motor oil or oil and grease analysis in all wells on site.
4. Summarizing gradient information to help predict the groundwater contaminant pathways.
5. Providing a work plan for the installation of an interim remediation system to address onsite contamination.

It appears that all the above items have been addressed to some extent except the last. Although there are valid arguments which say that until the extent of contamination is known a system cannot be designed to treat the entire problem, this is a valid

Mr. Dan Kirk
STID #530
285 Hegenberger Rd.
September 30, 1992
Page 2.

argument only when there has been an acceptable schedule for both the investigation and the implementation of a remedial system. One could equally argue that the "waters of the state" have not been adequately protected, as is your responsibility, in this interim while one is studying the site. The history of this site indicates high gasoline and benzene levels in monitoring wells as early as 1989. Remediation since then has consisted of merely excavating obvious areas of contamination. Previous plans for extensive excavation of the site as was presented in a Converse workplan were abandoned for other alternatives. Our office would like to emphasize the need for immediate interim actions to as you have often stated "knock down" the elevated groundwater contaminant levels. We believe that the installation of an interim groundwater treatment system is an efficient way to remove large amounts of petroleum contaminants and will reduce the time and effort necessary to cleanup the contaminants absorbed in the capillary fringe.

You are reminded that section 13304 of the Water Code requires the responsible party to abate the effects of threatened pollution or nuisance from the discharge of any waste into the waters of the state. Failure to perform such abatement may subject you to civil liabilities. In addition, Section 25298 (c) 4 of the California Health and Safety Code (H&SC) state that no person shall close an underground tank unless that person has taken steps to demonstrate to the appropriate agency that the site has been investigated to determine if there are any present or were past releases and if so that appropriate corrective or remedial actions were taken. Civil penalties of not less than \$500 or more than \$5000 for each underground tank, for each day which the owner or operator fails to properly close an underground tank exist.

Therefore, our office requests the submission of a workplan and a time-table which immediately addresses the on-site subsurface contamination. The time schedule should minimally set deadlines for the following:

1. A comparison of the currently available remedial alternatives.
2. The performance of groundwater extraction tests on specific wells. Provide diagrams of areas of expected influence.
3. The receipt of approvals of encroachment permits for the installation of offsite wells.

Mr. Dan Kirk
STID #530
285 Hegenberger Rd.
Septmeber 30, 1992
Page 3.

4. Provision of a preliminary engineering design for the proposed treatment system.
5. Obtaining City of Oakland planning department, POTW or NPDES and BAAQMD permits.
6. Provision of a description of the system's operation and maintenance schedule.
7. Provision of the date for the installation of the system. Description of verification of effectiveness and provision of a contingency plan.
8. Projection of a time for the eventual verification monitoring and system shut-down.

Please provide this workplan and the above elements to our office within 45 days of receipt of this letter. You should consider this a formal request for technical reports pursuant to the California Water Code Section 13267 (b).

You may contact me at (510) 271-4350 should you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: M. Thomson, Alameda County District Attorney Office
R. Hiett, RWQCB
M. Hurd, Pacific Environmental Group, Inc, 620 Contra Costa
Boulevard, Suite 209, Pleasant Hill, CA 94523
E. Howell, files

IWP-285Heg

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0220

RAFAT A. SHAHID, Assistant Agency Director

April 29, 1992
STID #530

Mr. Daniel Kirk
Shell Oil Company
P.O. Box 5278
Concord, CA 94520-9998

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

Re: Comment on First Quarter 1992 Monitoring Report on Shell
Service Station at 285 Hegenberger Rd., Oakland CA 94621

Dear Mr. Kirk:

I have recently reviewed the results of the 1992 first quarter monitoring well results from the above station. Significant dissolved petroleum hydrocarbons and BTEX were again found in a number of the wells. This information supports the items of my previous letter to you where I requested that some type of active remediation be performed to control the plume of dissolved hydrocarbons and BTEX. I also requested the installation of offsite wells to determine if contamination was entering or exiting the property.

This letter disagrees with your consultant's desire to remove the analysis of TPHd from all wells except MW-3. Historically, TPHd was found in soils and groundwater samples at significant levels. Even though the current material identified in the TPHd analysis does not resemble the diesel standard, this is not a reason to remove this parameter from your analyses. Our office also disagrees with the consultants statement that the material is the less volatile constituents of gasoline. Diesel fuel and gasoline are very well separated by gas chromatography and one would expect very little gasoline interference. There would be no quantification of high boiling constituents in the groundwater if TPHd is dropped, with the exception of oil and grease. With these items in mind, the County requests that TPHd be continued as part of the analyses performed at this site.

You may contact me at (510) 271-4320 should you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

cc: M. Thomson, Alameda County District Attorney Office
R. Hiatt, RWQCB
M. Hurd, Pacific Environmental Group 1-Qtr285Heg

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0220

RAFAT A. SHAHID, Assistant Agency Director

April 22, 1992
STID # 530

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

Mr. Dan Kirk
Shell Oil Company
P.O. Box 5278
Concord, CA 94520

Re: Overexcavation at Shell Service Station at 285 Hegenberger
Rd., Oakland CA 94621

Dear Mr. Kirk:

This letter is to acknowledge the witnessing of the overexcavation in the former hydraulic lift areas at the above referenced site. It was agreed that because of the building's areal constraint, overexcavation would be limited to confined areas around each of the former hydraulic lifts. No further excavation would be required within this building. Excavation was to be performed down to groundwater, approximately 5-7 feet and sidewall confirmatory samples were to be taken in addition to one groundwater sample. These samples should be analyzed for Total Petroleum Hydrocarbons as diesel and as gasoline, (TPHd and TPHg), Total Oil and Grease and Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX). It was also agreed that the soil sample taken from the hoist area nearest the oil/water separator should be analyzed for semi-volatiles and selected heavy metals.

This area will be incorporated in the overall remediation plan of this site. It was noted that additional offsite monitoring wells and on-site active remediation should be proposed by your consultant. Confirmation and control of the dissolved hydrocarbon plume was emphasized by our office. We look forward to receiving your workplan to address these issues.

Please contact me at (510) 271-4320 should you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

1-285Heg

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0220

RAFAT A. SHAHID, Assistant Agency Director

March 31, 1992
STID #530

Shell Oil Company
Attn: Mr. Paul Hayes
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

Subject: Request for Work Plan for Additional Subsurface
Investigation at 285 Hegenberger Rd., Oakland CA 94621
dba Shell Station # 1085

Dear Mr. Hayes:

Please be advised that our division has recently spoke with Mr. Rich Hiatt of the Regional Water Quality Control Board regarding taking over the lead for oversight at the above site. Accordingly, until further notice, the County has been delegated this role. This being the case, be advised that this site has been transferred to the Local Oversight Program (LOP) and further correspondence should be addressed to the undersigned. Mr. Ray Newsome of Shell Oil Company has been recently notified of this change.

Upon review of the extensive files, it is obvious that significant petroleum hydrocarbon contamination has been found at this site. Historically, underground storage tanks were replaced in 1984, monitoring wells installed, soil borings were drilled and further site investigation has been proposed. The purpose of this letter is to request a summary of Shell's most recent activities and request a timeframe for additional work.

Clearly, Shell has identified the potential of significant soil and groundwater contamination at this site. In fact ten (10) monitoring wells have been installed on this site around the perimeter and around the underground tanks and fueling islands. From the Converse Environmental West Fourth Quarter 1989 report, high levels of Total Petroleum Hydrocarbons as diesel and as gasoline (TPHd and TPHg) were found in the western section of the site. Levels as high as 440 parts per million (ppm) TPHd and 31,000 ppm TPHg exist in this area. From the Fourth Quarter 1991 report, it is evident that significant dissolved gasoline and benzene, toluene, ethyl benzene and xylenes (BTEX) exist. Levels as high as 55 mg/l (ppm) TPHg and 29,000 parts per billion (ppb) benzene were found in MW7. The GW gradient at this site has been reported to be westerly. Monitoring wells 2,3,4,5 and 8 are perimeter wells which may indicate possible offsite migration of hydrocarbons when detectable amounts are found in these wells. The Fourth Quarter 1991 report indicates detectable amounts of

Mr. Paul Hayes
Shell Station #1085
285 Hegenberger Rd.
March 31, 1992
STID # 530
Page 2.

hydrocarbons in monitoring wells 2,3 and 5. The levels of dissolved benzene in these wells greatly exceeds the Maximum Contaminant Level (MCL) of 1ppb as recommended by EPA and DOHS.

More recently, the County has overseen the removal of the waste oil tank. We have also been given analytical results of soil and water samples taken after the three hydraulic lifts had been removed. An additional soil sample was taken from the oil/water separator area. These results were provided by Mr. Clyde Galantine of GeoStrategies Inc. Significant oil and grease and high boiling hydrocarbons were found in both the soil and ground water samples. Accordingly, Mr. Galantine requested the County's input as to whether further excavation would be required in this workbay area. The County recognizing that as high as 15,000 ppm of oil and grease was found in a soil sample, requested further excavation, to all extent possible, be performed in this area. It was noted that once this area is walled in and enclosed, future excavation would be impossible. The County has yet to be informed of Shell's intention in this area.

The planned work as outlined in Converse's Fourth Quarter 1989 needs to be performed. These items include:

1. The acquisition of permits and right-of-entry for installing offsite upgradient and downgradient wells.
2. The creation of a Site Excavation Plan which describes procedures and tasks undertaken to remove soil "hot spots" from the property.
3. Implementation of the Site Excavation Plan.

The County is certainly willing to meet with your consultants to discuss the elements of such an excavation plan and will request the presence of the Regional Board if necessary. Earlier reports have mentioned an in-situ approach for remediating contaminated soils, I assume this approach has been abandoned.

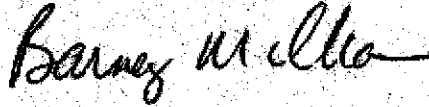
To initiate the elements of the planned work as outlined by Converse Environmental West, you are requested to provide a work plan which details a time schedule for the installation of offsite wells and the excavation of contaminated soils. This plan should also include some type of groundwater treatment system which will control the levels and migration of dissolved petroleum hydrocarbons. Please provide such a work plan to this office within (45) days of receipt of this letter.

Mr. Paul Hayes
Shell Oil Station #1085
285 Hegenber Rd.
March 30, 1992
STID #530
Page 3.

This should be considered a formal request for technical reports pursuant to the California Water Code Section 13267 (b). Failure to provide this information may subject Shell Oil Company to civil liabilities. As you are aware, this office is working in conjunction with the Water Board and all copies of reports, proposals and analytical results must also be sent to their office to the attention of Mr. Rich Hiatt.

You may contact me at (510) 271-4320 should you have any questions regarding this letter.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: M. Thomson, Alameda County District Attorney Office
R. Hiatt, RWQCB
Mr. P. Fuller, Converse Environmental West, 55 Hawthorne St.,
Suite 500, San Francisco, CA 94105-3906

WP2-285Heg

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



✓ R0220 (SPP/Agencies)
R0223 (SPP/Agencies)

December 12, 1991

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

Mr. Godfrey G. Becks
Malicoat, Becks and Associates, Inc.
P.O. Box 348
Martinez, CA 94553

Re: Site Search for Properties Located Near 400 Pendleton Way,
Oakland 94621.

Dear Mr. Becks:

This letter is in response to your request for environmental information regarding remedial activities occurring in the past year at two specific locations near the property, 400 Pendleton Way, Oakland CA 94621.

The first location is 295 Hegenberger Rd., currently doing business as Rollins Leasing. This site had a 20,000 gallon diesel tank installed the past year which is permitted with the County. The tank is double walled and has an interstitial monitor hooked up to an electronic monitoring system. No remedial activities are currently being performed at this site.

The second site is Shell Oil station located at 285 Hegenberger Rd. This site has four underground storage tanks which are single walled. These tanks were permitted by the County in May 1990. They currently perform annual tank precision tests and inventory reconciliation. On this site are ten monitoring wells. The ground water data from these wells has indicated varying amounts of detectable total petroleum hydrocarbons as gasoline and as diesel, TPHg and TPHd, and detectable amounts of benzene, toluene, ethylbenzene and xylene (BTEX). These levels warrant further action and investigation. Because of the unusual ground water gradient at this site, it appears that the hydrocarbon plume has not migrated offsite as yet. Shell, through their consultants, Converse Environmental West, are working on a SARP (Source Area Removal Plan) which includes the removal of approximately 600 cubic yards of most contaminated soils on the property. This plan will be submitted to the Regional Water Quality Control Board (RWQCB) and our agency for approval prior to actual performance. Additional work planned includes the continuance of well monitoring and the expanding of remedial investigation efforts.

I hope this information satisfies your request. You will be billed for our services at a rate of \$67.00/hour. Please contact me at (510)271-4320 if you have any questions regarding this letter.

Sincerely,

Barney M. Chan, Hazardous Materials Specialist

NBA-Sitesearch

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R0220

July 23, 1990

DEPARTMENT OF ENVIRONMENTAL HEALTH (3)
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

Mr. Godfrey G. Becks MPH, IHIT
MBA, Inc.
P.O. Box 348
Martinez, CA 94553

Dear Mr. Becks:

In response to your letter of July 11, 1990, we have searched our files for the sites requested.

The following information is presented for you:

400 Pendelton Way	No files
(R0723) 295 Hegenberger Rollins Trucking	Recently installed an underground diesel tank. Permit pending.
(R0220) 285 Hegenberger Bay Airport Shell	Leaking U.T. contaminated soil removed, groundwater remediation under way with quarterly reports.
(R0219) 449 Hegenberger Unocal	Has permit, Precision test 4/5/90

The above information is from our files only and does not contain information which may be available from other agencies or businesses which may be involved with these sites.

A copy of the invoice sent to our billing unit is enclosed.

If you have any questions, please call (415) 271-4320.

Sincerely,

Edgar B. Howell III, Chief
Hazardous Materials Division

EBH:mnc

cc: Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0220

May 10, 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
Bay Airport Shell, 285 Hegenberger Rd.,
Oakland, CA 94621

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 annual precision test results performed on August 10, 1989 for the underground tanks. We received the information we requested from Shell Oil and Mr. Alex Bienes, Service Manager of Bay Airport 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: Ken Lottinger, Shell Area Manager
Mr. Bill Hayes, Dealer

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R0220

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

April 2, 1990

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 Bay Airport Shell located at 285 Hegenberger Road, Oakland, CA 94621 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 2712(c) requires that you submit to this department, a copy of the annual precision test results performed on August 10, 1989.

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

Please be advised that all monitoring records must be maintained on site for a period of at least 3 years.

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
Mr. Bill Hayes, Dealer
Susan Hugo, Hazardous Materials Specialist
Cynthia Chapman, Hazardous Materials Specialist
Files