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

9-10-03

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

RO0000156

November 7, 2003

Ms. Karen Petryna
Shell Oil Products US
P.O. Box 7869
Burbank, CA 91510-7879

RE: Well Installation at 1285 Bancroft Ave, San Leandro, CA

Dear Ms. Petryna:

I have completed review of Cambria's November 2003 *Soil and Water Investigation Report, Work Plan and Site Conceptual Model* report prepared for the above referenced site. This report summarized recent activities to delineate the vertical and horizontal extent of the contaminant plume using direct push technology. Data from this investigation was used to recommend the placement of additional groundwater monitoring wells, one on-site and three off-site. In addition, soil borings are proposed to the north, to the east, and to the northwest. And the construction of the off-site irrigation well will be investigated using video equipment.

Cambria's above recommendation are acceptable with the following technical comments:

- New wells should have short (5 feet or less) screens. Data from recent investigations helped to determine the depth to MTBE in groundwater. The new wells should be screened within the contaminant plume only.

The next phase of investigation should commence within 60 days of the date of this letter, **or by January 13, 2004.** Please provide at least 72 hours advance notice of field work. If you have any questions, I can be reached at (510) 567-6762 or by email at echu@co.alameda.ca.us.

eva chu
Hazardous Materials Specialist

c: Donna Drogos
Mike Bakaldin, City of San Leandro
Melody Munz, Cambria, 5900 Hollis St, Suite A, Emeryville, CA 94608

BFshell-3

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

-09-03

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

RO0000156

June 6, 2003

Ms. Karen Petryna
Shell Oil Products US
P.O. Box 7869
Burbank, CA 91510-7879

RE: Work Plan Approval for 1285 Bancroft Ave, San Leandro, CA

Dear Ms. Petryna:

I have completed review of Cambria's June 2, 2003 *Subsurface Investigation Work Plan Amendment 2* report prepared for the above referenced site. The proposal to advance soil borings on-site and off-site to delineate the horizontal and vertical extent of soil and groundwater contamination is acceptable. The approved work plan should be implemented within 45 days of the date of this letter, or by July 29, 2003. Please provide at least 72 hours advance notice of field activities.

If you have any questions, I can be reached at (510) 567-6762 or by email at echu@co.alameda.ca.us.

eva chu
Hazardous Materials Specialist

c: Donna Drogos
Mike Bakaldin, City of San Leandro

email: Melody Munz, Cambria

BFshell-2

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

5-15-03

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

RO0000156

May 14, 2003

Ms. Karen Petryna
Shell Oil Products US
P.O. Box 7869
Burbank, CA 91510-7869

RE: Shell-branded Service Station, 1285 Bancroft Ave, San Leandro, CA

Dear Ms. Petryna:

I have completed review of the April 2003 *Subsurface Investigation Work Plan Amendment* and *Agency Response* reports both prepared by Cambria for the above referenced site. Cambria proposed to advance two offsite and one onsite soil boring to define the horizontal and vertical extent of MTBE in soil and groundwater. Below are my technical comments:

- I was not aware that depth discrete water samples could be collected using a hollow-stem auger drill rig. Please detail methodology.
- Grab groundwater samples should also be collected at changes in lithology, especially in more permeable lenses.
- Additional soil borings (2?) should be advanced to better characterize the plume. I suggest a soil boring be advanced approximately 35 feet north and another 35 feet south of proposed boring SB-2.
- One onsite boring is not adequate to characterize MTBE in the "source area". Soil borings should be advanced adjacent to the fill end of the USTs, by the north dispenser (near sample D-2B) and the south dispenser (near sample L-1) and at any location where a potential release could occur. Soil samples should be collected directly beneath the USTs and dispenser, if possible.

Please submit an addendum to the work plan that will address the above items. If you have any questions, I can be reached at (510) 567-6762 or by email at echu@co.alameda.ca.us

eva chu
Hazardous Materials Specialist

c: Donna Drogos
Mike Bakaldin, City of San Leandro
email: Melody Munz, Cambria

BFshell-1

02-06-03

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

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

February 6, 2003

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

Subject: Fuel Leak Case No. RO0000156, Shell Service Station, 1285 Bancroft Ave., San Leandro, CA;

Dear Ms. Petryna:

Alameda County Environmental Health (ACEH) staff has reviewed "Investigation Report and Risk-Based Corrective Action Analysis" dated June 27, 2001, "Subsurface Investigation Work Plan " dated October 15, 2002, and "3rd Quarter 2002 Monitoring Report" dated October 15, 2002, prepared by Cambria Environmental Technology. We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below.

TECHNICAL COMMENTS

1) Site Characterization - Up to 160,000 microgram (ug/l) Total Purgeable Petroleum Hydrocarbons (TPPH), 20,000 ug/l Benzene, and 71,000 ug/l Methyl Tertiary-Butyl Ether (MTBE), have been detected in onsite monitoring wells. Additionally, offsite wells downgradient of your former gasoline and waste oil underground storage tanks (UST). have detected up to 64,800 ug/l TPPH, 6,830 ug/l Benzene, and 24,300 ug/l MTBE. Thus, the lateral and vertical extent of your plume is not defined. To monitor the vertical range of the plume, we request that your monitoring network include depth discrete monitoring with screened intervals appropriate to the stratigraphy and plume stratification at your site. Generally, the screened intervals should not be more than 2 feet in length. Include your proposal for plume delineation in the amended workplan requested below.
2) Determining Monitoring Well Locations - We feel that it would be premature to install more monitoring wells without additional grab groundwater sampling to determine the location of the plume for optimal well locations. We request that depth discrete grab groundwater sampling be used. Include your proposal in the amended workplan requested below.

3) Source Characterization – Soil samples in the source area were not analyzed for MTBE. We request that soil sampling be performed to determine the contaminant mass present. Include your proposal in the amended workplan requested below.

4) Site Conceptual Model (SCM) – Please submit a SCM.
The SCM for this project is to incorporate, but not be limited to, the following:
A concise narrative discussion of the regional geologic and hydrogeologic setting. Include a list of technical references you reviewed, and copies (photocopies are sufficient) of regional geologic maps, groundwater contours, cross-sections, etc.
A concise discussion of the on-site and off-site geology, hydrogeology, release history, source zone, plume development and migration, attenuation mechanisms, preferential pathways, and potential threat to downgradient and above-ground receptors. Be sure to include the vapor pathway in your analysis. Maximize the use of large-scale graphics (e.g., maps, cross-sections, contour maps, etc.) and conceptual diagrams to illustrate key points.
Identification and listing of specific data gaps that require further investigation during subsequent phases of work.
Proposed activities to investigate and fill data gaps identified above.
The SCM shall include an analysis of the hydraulic flow system at and downgradient from the site. Include rose diagrams for groundwater gradients. The rose diagram shall be plotted on groundwater contour maps and updated in all future reports submitted for your site. Include an analysis of vertical hydraulic gradients. Note that these likely change due to seasonal precipitation and pumping. To evaluate the potential interconnection between shallow and deep aquifers, include hydrographs of hydraulic head in the shallow aquifer versus pumping rates from nearby water supply wells.
Temporal changes in the plume location and concentrations are also a key element of the SCM. In addition to providing a measure of the magnitude of the problem, these data are often useful to confirm details of the flow system inferred from the hydraulic head measurements. Include plots of the contaminant plumes on your maps, cross-sections, and diagrams.
Several other contaminant release sites exist in the vicinity of your site. Hydrogeologic and contaminant data from those sites may prove helpful in testing certain hypotheses for your SCM.

5) Preferential Pathway Study – An irrigation well is located by the adjacent property downgradient from your site.
We request that you perform a preferential pathway study that details the potential migration pathways and potential conduits (wells, utilities, pipelines, etc.) for horizontal and vertical migration that may be present in the vicinity of the site. The purpose of the preferential pathway study is to locate potential migration pathways and conduits and determine the probability of the plume encountering preferential pathways and conduits that could spread contamination. Of particular concern is the identification of abandoned wells and improperly-destroyed wells that can act as vertical conduits to deeper water bearing zones, pumping wells in the vicinity of your site, and manmade conduits for shallow migration. Discuss your analysis and interpretation of the results of the preferential pathway study (including the detailed well survey and utility survey requested below) and report your results in the Soil and Water Investigation Report (SWI) Report requested below. Please include an evaluation of the probability of the

contaminant plumes encountering preferential pathways and conduits that could spread the contamination, particularly in the vertical direction to deeper water aquifers.
An evaluation of all utility lines and trenches (including sewers, storm drains, pipelines, trench backfill, etc.) within and near the site and plume area(s) is required as part of your study. Submittal of map(s) and cross-sections showing the location and depth of all utility lines and trenches within and near the site and plume area(s) is required as part of your study.

6) Interim Remediation - Dual Vapor Extraction (DVE) design parameters couldn't be found in our file. Please provide. Also, please use the results of the source area characterization to evaluate the effectiveness of the DVE system.
7) Quarterly Monitoring - Please monitor groundwater quarterly for Total Petroleum Hydrocarbons-Gasoline (TPH-G), and continue quarterly monitoring for Benzene, Toluene, Ethyl Benzene, Xylene (BTEX), and Methyl Tertiary-Butyl Ether (MTBE) by EPA Method 8260. Additionally, analyze for Tertiary Amyl Methyl Ether (TAME), Ethyl Tertiary Butyl Ether (ETBE), Di-Isopropyl Ether (DIPE), and Tertiary Butyl Alcohol (TBA), Ethanol, Ethylene Dibromide (EDB), and Ethylene Dichloride (EDC). If any of the latter compounds are detected, and are determined to be of concern (poses a risk to human health, the environment, or water resources) it is to be incorporated into your regular monitoring plan.
Please note, some laboratories may set detection limits for oxygenates that are higher than regulatory reporting limits, particularly for TBA. Additionally, sample preservations techniques have been reported to hydrolyze ethers (e.g., formation of TBA from MTBE hydrolysis) during some laboratory analysis procedures. Please work with your laboratory to meet the regulatory reporting standards for California and to determine appropriate sample preservation techniques.
8) Groundwater Gradients – Gradients have been provided for 2nd Quarter 1999 through 4th Quarter 2002. Please incorporate all of the historical groundwater gradients for the rose diagrams.
9) Risk-Based Corrective Action (RBCA) – We wish to review the RBCA after characterization and definition of your contaminant plumes have been completed. However, the following deficiencies were noted: TPH-G pollution was not considered, volatization from the irrigation well needs to be considered, MTBE also needs to be considered as a resource risk.
10) Release on April 3, 2002 - Attributed to a crack found in the secondary containment system of an underground storage tank. Please submit documentation of this release.
11) Hydrogen Peroxide Injections - A workplan dated February 3, 2000 proposed hydrogen peroxide injections. However, to date, there has not been any mention of it use. Please indicate whether hydrogen peroxide injections has been used, and if so, how.
12) Dispenser Replacement Soil Sampling Report - We are missing the October 1995 dispenser replacement soil sampling report. Please provide.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Eva Chu) according to the following schedule:

March 5, 2003 – 4th Quarter 2002 Monitoring Report
March 5, 2003 - Amended Work Plan
April 5, 2003 - SCM
April 5, 2003 - Preferential Pathway Study
April 5, 2003 - Dual Vapor Extraction (DVE) Design Parameters
April 5, 2003 - Evaluation of DVE Effectiveness
April 5, 2003 - Rose Diagram
April 5, 2003 - Release on April 3, 2002
April 5, 2003 - Hydrogen Peroxide Injections
April 5, 2003 - October 1995 Dispenser Replacement Soil Sampling Report
April 31, 2003 – 1st Quarter 2003 Monitoring
90 days after Work Plan Addendum Approval – Soil and Water Investigation Report

These reports are being requested pursuant to the Regional Water Quality Control Board's (Regional Board) authority under Section 13267 of the California Water Code. Each report shall include conclusions and recommendations for the next phases of work required at the site. If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist
Local Oversight Program

C: Melody Munz, Cambria Environmental Technology, Inc., 1144-65th St., Suite B, Oakland, CA 94608

File

06-18-01

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

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

June 14, 2001

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

Re: Shell Service Station, 1285 Bancroft Ave., San Leandro, CA;
RO0000156

Dear Ms. Petryna:

"1st Quarter 2001 Monitoring Report..." dated March 28, 2001 by Cambria Environmental Technology, was reviewed. Monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, and MW-7 were sampled and analyzed for total petroleum hydrocarbons as gasoline (TPPH), benzene, toluene, ethyl benzene, xylene (BTEX), and methyl tertiary-butyl ether (MTBE) on January 15, 2001. MW-1's constituent concentrations were within the ranges found since 1998. The concentrations were 201 ug/l TPPH, 7.58, 29.9, 9.64, 42.9 ug/l BTEX, 24.9 ug/l MTBE. MW-2's concentrations all decreased compared to the prior quarter's. However, concentrations have varied widely historically. The concentrations were 654 ug/l TPPH, 52.3, 9.10, 37.8, 93.6 ug/l BTEX, 10.9 ug/l MTBE. MW-3's concentrations with few exceptions were the lowest since 2nd Quarter 1997. The concentrations were 4,800 ug/l TPPH, 7.04, 70.0, 70.9, 380 ug/l BTEX, 54.7 ug/l MTBE. MW-4's concentrations were within the ranges found since 1998. The concentrations were 1,170 ug/l TPPH, 21.6, 1.51, 123, 52.8 ug/l BTEX, 592 ug/l MTBE. MW-5's concentrations have been consistently high. The concentrations were 78,300 ug/l TPPH, 2,220, 21,400, 1,960, 12,200 ug/l BTEX, 3,420 ug/l MTBE. MW-6's concentrations also have been consistently high. The concentrations were 64,800 ug/l TPPH, 2,090, 20,400, 1,860, 11,100 ug/l BTEX, <1,250 ug/l MTBE. MW-7's concentrations have been consistently nondetectable (ND) or very low. All concentrations were ND. MW-8's concentrations have been ND for TPPH and BTEX, while the 173 ug/l MTBE was consistent with historical results. Quarterly monitoring will continue.

Dual-phase vacuum extraction (DVE) was initiated in November 2000. Provide a description and diagram of the remediation system.

Also, a workplan for using hydrogen peroxide dated February 3, 2000 was submitted. However, there has not been any mention of it use. Indicate if hydrogen peroxide has been used.

We are awaiting a site investigation report of activities on June 26 and 27, 2000, and a risk-based corrective action Tier II evaluation.

If you have any questions, you may call me at 510/567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist

C: Stephan Bork, Cambria Environmental Technology, Inc., 1144-65th St., Suite B, Oakland, CA 94608

File

SCVT 8-25-2000

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

RO# 156

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

August 24, 2000

Mike Bakaldin, Hazardous Materials Coordinator
Alameda County Fire Dept.
835 E. 14th St.
San Leandro, CA 94577

Dear Mike:

Subject: Shell Service Station, 1285 Bancroft Ave., San Leandro, CA;
StId 988

Previously, I faxed the portion of the "Site Investigation Work Plan" dated February 3, 2000 by Cambria Environmental Technology, Inc., which proposed the addition of hydrogen peroxide into the onsite wells. I would like you to correspond back to me as to the safety of this proposal.

If you have any questions, you may call me at 510/567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist

Enclosure

C: Darryk Ataide, Cambria Environmental Technology, Inc., 1144-65th St., Suite B, Oakland, CA 94608

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

files

L.S.

1% = 10,000 ppm

Specific tasks proposed to complete these objectives are as follows:

Site Health and Safety Plan: We will prepare a comprehensive site safety plan to protect site workers. The plan will be kept on site during field activities and signed by each site worker.

Hydrogen Peroxide Injection: We will add an approximate 4% solution of hydrogen peroxide into two onsite wells (MW-2 and MW-3) located adjacent to primary source areas (Figure 1). During each injection event, approximately 30 gallons of hydrogen peroxide solution will be added into each well and allowed to infiltrate. Following the addition of the hydrogen peroxide, a slug of tap water will be added to the well to help facilitate the infiltration of the hydrogen peroxide into the aquifer. The amount of hydrogen peroxide and tap water added to each well will be based on the diameter of the well, depth to groundwater, and the permeability of the soil. Hydrogen peroxide will be added immediately following the next scheduled quarterly monitoring event and will be added on a weekly basis for a period of six weeks. The concentration of hydrogen peroxide solution may be increased throughout the series of injections, depending on temperature measurements.

Following the six-week period, the wells will be allowed to equilibrate prior to the collection of subsequent quarterly groundwater samples.

Bioparameter Monitoring: Measurements of groundwater for dissolved oxygen, oxidation/reduction potential (ORP or Eh), pH, conductivity and temperature will be collected in the field. Groundwater samples will also be analyzed for alkalinity, nitrate, sulfate and ferrous iron by EPA Methods 310.2, 353.2, 375.4, and 200.7, respectively. These measurements will be collected prior to the initial hydrogen peroxide injection for background, and during each quarterly sampling event to monitor the effectiveness of the treatment.

Periodic Groundwater Extraction: Weekly groundwater extraction from well MW-6 will be initiated to lower benzene concentrations and minimize plume migration to the adjacent residential area. Each extraction event will consist of pumping from this well until 500 gallons are removed or until the well dewaters.

Plume Delineation: In its letter, ACHCSA requests further delineation of the contaminant plume. However, petroleum hydrocarbons and MTBE were not detected in the existing offsite irrigation well located down-gradient of the plume. We will continue to collect and analyze groundwater samples from this well on a quarterly basis to ensure that the plume is delineated in the downgradient direction.

Sent 12/17/99, Includ. CC's

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

R0156

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9432

December 17, 1999

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

Re: Shell Service Station, 1285 Bancroft Ave., San Leandro, CA; StId 988

Dear Ms. Petryna:

I've been designated the new caseworker for the aforementioned site. In response to the request for an extension to the deadline of January 3, 2000 for submitting a workplan to characterize and delineate the MTBE plume, I've been authorized by my supervisor, Tom Peacock, to grant a one month extension. The workplan is due February 3, 2000.

If you have any questions, you may call me at 510/567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist

le

C: Darryk Ataide, Cambria Environmental Technology, Inc., 1144-65th St., Suite B, Oakland, CA 94608

files

Sent 11-8-99
Including cc's

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

P0156

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

November 05, 1999

Karen Petryna
Equiva Services LLC
Science & Engineering, West Coast
P.O. Box 6249
Carson, CA 90749-6249

STID: 988
Re: Investigations at Shell-branded Service Station, located at 1285 Bancroft Avenue, San Leandro, California

Dear Ms. Petryna,

This office has reviewed the October 11, 1999 Second Quarter Monitoring Report and the October 29, 1999 Well Installation Report, both prepared by Cambria Environmental Technology, Inc. (Cambria) for the above site. Significantly higher contaminant concentrations were identified from the newly installed Well MW-5 than the nearby wells MW-1 and MW-3, indicating that Well MW-5, due to its shallower screened interval, is capturing the higher concentrations existing in the upper aquifer that Wells MW-1 and MW-3 were unable to capture.

Newly installed Well MW-6, located adjacent to a residential property to the west of the site, identified 6,800 parts per billion (ppb) benzene. This far exceeds the conservative Tier 2 residential threshold value of 162ppb that was estimated by our office using a depth-to-water of 30-feet below ground surface (bgs), a clayey sandy soil, and a risk of 1E10-5. Therefore, if commensurate concentrations of benzene continue to be identified in this well within the next two quarterly groundwater monitoring events, a more site-specific residential Tier 2 Risk Assessment will need to be submitted to our office. If it is determined that the benzene concentrations are significantly exceeding the Tier 2 values, then measures will need to be employed to expedite degradation of the contaminant plume.

Additionally, based on the elevated levels of MTBE identified in Well MW-6, this office is requiring further characterization and delineation of the MTBE contaminant plume. **A workplan addressing this work should be submitted within 60 days of the date of this letter (i.e., by January 03, 1999).**

Wells MW-5 through MW-8 were last sampled on June 04, 1999, therefore, the third quarter groundwater monitoring event was due to take place at the site in September 1999. If the third quarter sampling event has not yet been conducted, you are required to implement this work by

the end of November 1999. The corresponding monitoring report is due to this office within 45 days after completing groundwater sampling at the site.

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

Sincerely,

Juliet Shin, R.G.
Hazardous Materials Specialist

Cc: Darryk Ataide
Cambria Environmental Technology, Inc.
1144 65th Street, Ste B
Oakland, CA 94608

Mike Bakaldin
City of San Leandro
835 East 14th St.
San Leandro, CA 94577

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

RO#156

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

April 15, 1999

Karen Petryna
Equiva Services LLC
Science & Engineering, West Coast
P.O. Box 6249
Carson, CA 90749-6249

STID: 988
Re: Addendum to workplan for investigations at the Shell-branded Service Station, located at 1285 Bancroft Avenue, San Leandro, CA

Dear Ms. Petryna,

This office has reviewed Cambria Environmental Technology, Inc.'s (Cambria) Workplan Addendum, dated April 14, 1999, for the above site. The February 24, 1999 workplan, along with this workplan addendum, is acceptable to this office with the following reminders:

- Cambria states that Equiva Services LLC (Equiva) will pursue evidence that the VOC contamination at the site is from an off-site source when pursuing case closure. However, please be reminded that if Equiva cannot ultimately prove to the satisfaction of this office and the Regional Water Quality Control Board (RWQCB) that the VOC contamination is, in fact, coming from off site, then Equiva will be required to assess any potential risks posed by the VOCs to human health and the environment and will need to submit an acceptable Risk Management Plan to be filed with the deed prior to receiving case closure.

- In reference to the purge and non-purge sample requirements, Cambria states that "We assume the rational behind this requirement is so Cambria may pursue implementing non-purge protocol on selected wells in the future". However, please be reminded that this requirement does not necessarily guarantee the elimination of purging requirements, and that the intent of this requirement is to go with the method that yields the more conservative values. If the non-purge technique appears to yield the more conservative values, then future groundwater samples may be collected without purging, and the indirect consequence of this would be that Equiva could be saved the disposal costs of purge water.

The workplan must be implemented within 45 days of the date of this letter (i.e., **by May 27, 1999**). A report documenting the work must be submitted within 45 days after completing field activities. Please notify this office at least one week prior to commencing field work.

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

Sincerely,

Juliet Shin
Hazardous Materials Specialist

Cc: Darryk Ataide
Cambria Environmental Technology, Inc.
1144 65th Street, Ste B
Oakland, CA 94608

Mike Bakaldin
City of San Leandro
835 East 14th St.
San Leandro, CA 94577

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

RO#156

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

March 15, 1999

Darryk Ataide
Cambria Environmental Technology, Inc.
1144 65th Street, Ste B
Oakland, CA 94608

STID: 988
Re: Fourth Quarter 1998 Monitoring Report for Shell-Branded Service Station, located at 1285 Bancroft Avenue, San Leandro, California

Dear Mr. Ataide,

This office has reviewed Cambria Environmental Technology, Inc.'s Fourth Quarter 1998 Monitoring Report. The report states that the Oxygen-Releasing Compounds (ORCs) were removed from the on-site wells in response to the County's December 10, 1998 letter, which states that the actual concentrations in the plume were uncertain since groundwater samples were being collected from wells with ORCs in them which may exhibit a localized lower concentration. Although the County does generally discourage the placement of ORCs in pivotal monitoring wells, the County is not discouraging the use of ORCs to assist in remediating the plume or act as a oxygen blanket for plume containment. The County was merely reinforcing the need for plume delineation. If it is felt that ORCs can be an effective tool for plume degradation, it is recommended that ORCs be placed in non-critical monitoring points or a strategic, mutually agreed upon sampling scheme.

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

Sincerely,

Juliet Shin
Hazardous Materials Specialist

Cc: Karen Petryna
Equiva Services LLC
Science & Engineering, West Coast
P.O. Box 6249
Carson, CA 90749-6249

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

RO# 156

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

March 02, 1999

Karen Petryna
Equiva Services LLC
Science & Engineering, West Coast
P.O. Box 6249
Carson, CA 90749-6249

STID: 988
Re: Workplan for investigations at the Shell-branded Service Station, located at 1285 Bancroft Avenue, San Leandro, CA

Dear Ms. Petryna,

This office has reviewed Cambria Environmental Technology, Inc.'s (Cambria) February 24, 1999 workplan addressing additional investigations at the above site. Per my conversation with Darryk Ataide, Cambria, on March 02, 1999, this office is requiring that the following issues be addressed as part of the workplan prior to our approval of the workplan:

- The workplan proposes to delineate the extent of the groundwater contaminant plume to the west and northwest by installing Well MW-6 roughly 160-feet west of the site and Well MW-5 roughly 80-feet north/northwest of the site. **In addition to these directions, the plume must also be delineated in the southerly direction.** Groundwater flow directions documented in a total of four prior quarterly groundwater monitoring reports have exhibited a southerly component extending from the locations of Wells MW-2 and MW-3 (First Qtr '94; Second Qtr '96; Second Qtr '97; and Third Qtr '98). As discussed with Mr. Ataide, it would be acceptable to emplace and sample a hydropunch in the southerly direction to determine the extent of the contaminant plume prior to installing a permanent monitoring well.
- As stated in the County's December 30, 1998 letter, groundwater samples must be collected from the residential area **immediately** downgradient of the site to assess any potential risks to the occupants. The proposed Well MW-6 is located too far downgradient (west) from where the contaminant plume first enters into the residential area from the east, so samples collected from Well MW-6 is not likely to be representative of the higher concentrations that may be found below the residential area. **Consequently, you are required to locate an additional well point within or immediately upgradient of the residential area for risk assessment purposes.** Per the County's letter, a tentative residential human-health protective threshold value of 162 parts per billion (ppb) was calculated for a 10^{-5} risk using soil and groundwater data collected from the existing on-site wells.
- The proposed screen intervals for monitoring Wells MW-5 and MW-6 is 20- to 60-feet below ground surface (bgs). Based on past discussions with the San Francisco Bay-Regional Water Quality Control Board (RWQCB), this 40-foot screen interval is thought to be too long and may be conducive to dilution of sample concentrations during times of shallower groundwater tables. Considering that groundwater levels have fluctuated over a range of approximately 18 feet in Wells MW-1 through MW-3 and a range of

approximately 15 feet in Well MW-4 within the last six years of monitoring, with a maximum depth of 44.85-feet bgs and a minimum depth of 26.15-feet bgs, **this office feels that it would be acceptable to use a screen that was roughly 20- to 25-feet in length (e.g., a screen running from 25- to 50-feet bgs. Of course, the ultimate screen depths would be based on the observed groundwater levels in the newly installed wells).**

- This office requested in its December 30, 1998 letter that information be provided to determine whether groundwater in the on-site wells are semi-confined or unconfined so that we could ascertain whether these wells were screened properly. Based on Cambria's response, it appears that they agree with past conclusions that the wells are unconfined and **screening improperly. Therefore, a minimum of two additional monitoring wells with acceptable screened intervals must be installed to accurately monitor groundwater contaminant concentrations on site.** Representative groundwater concentrations on site are important for assessing the progress of plume degradation and stability, and for developing an accurate risk assessment. For instance, on the exterior, groundwater contaminant concentrations appear to have attenuated significantly in Well MW-1 in the last three quarters, however, when we look more closely at the situation, the water levels during this period have been anywhere from 2- to 12-feet above the screened interval. This office has no formula available to take these errors into account, and there is no way of knowing what concentrations actually exist in this location. Wells MW-1 through MW-4 should not be destroyed, because they could be used for monitoring if and when the groundwater table drops back down to deeper levels.
- The workplan states that the VOC contamination is coming from off site and that Equiva Services (formerly Shell Oil) is not responsible for this contamination. Per my conversation with Chuck Headlee, RWQCB, **Equiva Services is required to provide additional information to prove that the VOC contamination observed on site is coming from an off site source.** Equiva Services must provide this additional information before it can be cleared of the responsibility for the VOC contamination. The additional information could include an upgradient boring for concentration comparison purposes, as well as file searches identifying likely historical sources in the area. Per my earlier conversations with Mike Bakaldin, City of San Leandro, Mr. Bakaldin has indicated that the VOCs identified at the site are not part of the known regional VOCs plume in San Leandro. Additionally, if it cannot be shown that the VOC concentrations are from an off-site source, a Risk Management Plan addressing the VOCs will need to be filed with the property Deed at the time of site closure.
- Per the attached guidelines from RWQCB, the first round of groundwater sampling performed at a site shall be with both non-purged and purged samples. Please refer to the attachment for further details.
- The newly installed wells shall be developed only after a minimum of 72 hours has passed since their installation, per Article 4, Chapter 16, Division 3, Title 23 California Code of Regulations. Sampling of the wells shall only take place after a minimum of 48 hours after well development.

- Lastly, per the County's December 30, 1998 letter, Mike Bakaldin with the City of San Leandro has requested that he be copied on all future correspondences and documents.

A workplan addendum incorporating the above requirements shall be submitted to this office for review within 45 days of the date of this letter (i.e., by April 13, 1999). If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin
Hazardous Materials Specialist

ATTACHMENT

Cc: Darryk Ataide
Cambria Environmental Technology, Inc.
1144 65th Street, Ste B
Oakland, CA 94608

Mike Bakaldin
City of San Leandro
835 East 14th St.
San Leandro, CA 94577

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

RO 156

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

December 30, 1998

Karen Petryna
Equiva Services LLC
Science & Engineering, West Coast
P.O. Box 6249
Carson, CA 90749-6249

Re: Investigations at Shell-branded Service Station, located at 1285 Bancroft Avenue, San Leandro, CA
STID 988

Dear Ms. Petryna,

I have recently been assigned as the new case worker for the above site, and have conducted a detailed review of the files for this site. The site is currently an active gasoline station with three 10,000-gallon fiberglass underground storage tanks (USTs) and one waste oil UST. Soil and groundwater investigations have been conducted at the site since contamination was identified during the removal of a 550-gallon waste oil underground storage tank (UST) in November 1986. There are currently four groundwater monitoring wells on site, MW-1 through MW-4, all of which have consistently identified TPHg, BTEX, and MTBE contamination since analysis for these constituents began. Contaminant concentrations dramatically increased in all four wells beginning in 1995, allegedly due to a rupture of a product line during construction activities, and up to 100,000 ppb TPHG, 20,000 ppb benzene, and 94,000 ppb MTBE was identified in the groundwater.

Although contaminant concentrations appear to be decreasing in the wells, it is uncertain whether this apparent decrease is applicable to the whole plume or only to localized areas affected by the placement of Oxygen-Releasing Compounds (ORCs) into the "hottest" wells MW-2 and MW-3. Additionally, the decrease of MTBE concentrations in groundwater can sometimes be deceiving, in that slugs of the MTBE plume move off site with the groundwater with very little adherence to soil, making it appear as though concentrations are degrading. **Per Article 11 Title 23 California Code of Regulations, this office is requiring that you delineate the extent of the observed groundwater contaminant plume.** The groundwater characteristics at the site are very volatile, with groundwater flow directions having varied from northerly to westerly, to one instance of southerly, and gradients having been as steep as 0.4 and as shallow as 0.002. These variations could partially be due to the proximity of San Leandro Creek, located 500 feet downgradient of the site, or the pumping of nearby wells, such as the domestic/irrigation well noted to be within 500 feet downgradient of the site in Weiss Associates' May 3, 1994 report. As part of the above required delineation work, efforts must be made to determine whether the plume is impacting the San Leandro Creek or the nearby domestic/irrigation wells.

Groundwater samples must be collected from the residential area immediately downgradient of the site as part of the delineation process. This office conducted preliminary risk assessment calcuations using the soil types and the depth-to-groundwater at the site, which fluctuates between 26- to 44-feet below ground surface, and came up with a benzene threshold value of 162ppb for groundwater volatilization into residences at a 10^{-5} risk. Based on these results, a Tier 2 risk assessment may be required if contaminants are detected below the residential area.

The four monitoring wells on site appear to be inadequately screened, and there is concern that the highest contaminant concentrations, which generally lie at the top of the water table, is not being detected from these wells. According to the monitoring well logs, Well MW-1 is screened from 38- to 60-feet below ground surface (bgs); Well MW-2 is screened from 40- to 60-feet bgs; Well MW-3 is screened from 39- to 59-feet bgs; and Well MW-4 is screened from 35- to 55-feet bgs. However, the depth-to-water in these wells, especially in wells MW-1 through MW-3, has been significantly above the screened intervals of these wells at depths as shallow as 26-feet bgs. The screened intervals would be adequate if the contaminated aquifer was confined, however, the boring logs indicate that the aquifer is unconfined. Unless you can show that the above screened intervals are justified, these monitoring wells must be replaced with adequately screened wells.

Per the Regional Water Quality Control Board's (RWQCB) guidelines, the next groundwater monitoring event must include the analysis for MTBE using Method 8260 for all the wells. Furthermore, the groundwater samples must also be analyzed for the following oxygenates and lead scavengers using Method 8260 and 8010: Tertiary Butyl Alcohol (TBA); Tertiary Amyl Methyl Ether (TAME); Diisopropyl Ether (DIPE); Ethyl Tertiary Butyl Ether (ETBE); Ethylene Dibromide (EDB); and Ethylene Dichloride (EDC).

Concentrations of Tetrachloroethylene (PCE) exceeding the U.S. EPA's Maximum Contaminant Level (MCL) for drinking water were consistently identified in Wells MW-1 through MW-3 from 1992 to 1995, when analysis for VOCs were discontinued. In Cambria Environmental Technology, Inc.'s (Cambria) October 29, 1993 report, they requested that analysis for this constituent be reduced to just one well on an annual basis, based on the argument that the PCE being identified in the wells was attributable to the regional San Leandro VOC plume. However, per my conversation with Mike Bakaldin, City of San Leandro, who is overseeing the regional VOC plume, this site is not tied into this plume. Furthermore, considering that low levels of PCE were identified in soil from boring BH-1 at a shallow depth of 9-feet bgs in 1990, there is some indication that the VOC contamination could be coming from your site. Per RWQCB's guidelines, a site cannot be closed with chlorinated hydrocarbons exceeding drinking water standards. Based on these guidelines, this office is requiring that analysis for PCEs be resumed for **all** the wells at a semi-annual frequency.

Future groundwater monitoring reports shall also include a more detailed interpretation/conclusion section that provides professional discussions on the lab results,

migration rates, sensitive receptors, proposals for future work, etc. At the request of Mike Bakaldin, Mr. Bakaldin shall be copied on all future reports and correspondence. His address is: City of San Leandro, 835 East 14th Street, San Leandro, CA 94577.

A workplan addressing the above required work shall be submitted to this office within 45 days of the date of this letter (i.e., February 10, 1999). The workplan shall include a timetable for the proposed work. Field work shall commence within 60 days after the approval of the workplan. A report documenting the field work shall be submitted within 45 days after completing field activities.

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

Sincerely,

Juliet Shin
Hazardous Materials Specialist

Cc: Darryk Ataide, Cambria Environmental Technology, Inc.
1144 65th Street, Ste B, Oakland, CA 94608
Mike Bakaldin
City of San Leandro, 835 East 14th St., San Leandro, CA 94577

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

P0156

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

STID 988

January 28, 1997

Mr. Jeff Granberry
Shell Oil Company
P. O. Box 4023
Concord, CA 94524

RE: SHELL SERVICE STATION, 1285 BANCROFT AVENUE, SAN LEANDRO

Dear Mr. Granberry:

I am in receipt of and have reviewed the Cambria "Interim Remedial Action/Notice of Violation" letter, dated January 28, 1997. In addition, I have just received a faxed copy of the requested unauthorized release (leak)/contamination site report (ULR).

The interim remedial action plan (IRAP) proposes to place oxygen-releasing compounds (ORCs) into up-gradient groundwater monitoring wells MW-2 and MW-3. In addition, dissolved oxygen (DO) concentrations will be monitored to evaluate the effectiveness of the ORCs and to recommend any appropriate future actions.

This work plan is approved. Please be advised that you are now in compliance with this agencies directives.

Please feel free to contact Thomas Peacock directly at (510)567-6782, should you have any questions about the content of this letter.

Sincerely,

Dale Klettke

Dale Klettke, CHMM
Hazardous Materials Specialist

c: Tom Peacock, Supervising Hazardous Materials Specialist--files
Mike Bakaldin, San Leandro Hazardous Materials Program
Paul Waite/Scott MacLeod, c/o Cambria, 1144 65th Street Suite B, Oakland, CA 94608

0988irap.orc

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

R0156

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

STID 988

January 27, 1997

Mr. Jeff Granberry
Shell Oil Company
P. O. Box 4023
Concord, CA 94524

"NOTICE OF VIOLATION"

RE: SHELL SERVICE STATION, 1285 BANCROFT AVENUE, SAN LEANDRO

Dear Mr. Granberry:

I am in receipt of and have reviewed the Cambria "Fourth Quarter 1996 Quarterly Monitoring Report", dated January 15, 1997.

Laboratory analysis of the groundwater samples collected from the four (4) on-site monitoring wells indicate that detectable levels of petroleum hydrocarbon compounds have increased dramatically over the last three groundwater sampling events. This is likely attributed to the unauthorized release of gasoline during the rupture of a product line during construction activities in November 1995. Laboratory results of groundwater samples collected from well MW-2 revealed TPHg, BTEX and MTBE at concentrations of 89, 20, 1.8, 32, 9.1 and 72 mg/L, respectively.

In an Alameda County Department of Environmental Health (ACDEH) letter, dated October 24, 1996, you were requested to have your consultant prepare a report which evaluates whether remedial action, interim remedial action, or further tier evaluation is warranted for this site. **This report was to be submitted to this office within 45 days of the date of this letter, or no later than January 9, 1997.** A copy of the October 24, 1996 ACDEH letter is enclosed for your review.

The following items need to be addressed in order to be in compliance with this agency:

1 **A report evaluating whether remedial action, interim remedial action, or further Tier evaluation is warranted for this site must be submitted to this office, within 45 days of the date of this letter, or no later than March 10, 1997.**

2 **A copy of the "Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report" (ULR) must be submitted to this office, within 10 days of the date of this letter, or no later than February 3, 1997.**

Please be advised that this letter constitutes a formal request for technical reports pursuant to California Health & Safety Code (H&SC) Section 25185.6 and California Water Code Section 13267(b).

It is my understanding that Cambria wishes to schedule a meeting within the next few weeks to discuss this matter. Please feel free to contact Thomas Peacock directly at (510)567-6782, should you have any questions about the content of this letter.

Sincerely,

Dale Klettke

Dale Klettke, CHMM
Hazardous Materials Specialist

enclosure
c: Tom Peacock, Supervising Hazardous Materials Specialist--files
Mike Bakaldin, San Leandro Hazardous Materials Program
Scott MacLeod, c/o Cambria, 1144 65th Street Suite B, Oakland, CA 94608
Tom Fogut, c/o Weiss Associates, 5500 Shellmound Street, Emeryville, CA 94608-2411
Bob Chambers, Alameda County District Attorneys Office
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ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RO#156

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

STID 988

October 24, 1996

Mr. Jeff Granberry
Shell Oil Company
P. O. Box 4023
Concord, CA 94524

RE: SHELL SERVICE STATION, 1285 BANCROFT AVENUE, SAN LEANDRO

Dear Mr. Granberry:

I am in receipt of and have reviewed the Cambria "Third Quarter 1996" quarterly groundwater monitoring report, dated October 18, 1996.

Laboratory analysis of the groundwater samples collected from the four (4) on-site monitoring wells indicate that detectable levels of petroleum hydrocarbon compounds have increased dramatically over the last two groundwater sampling events. This is most likely the result of the unauthorized release of gasoline during the rupture of a product line during construction activities in November 1995. Laboratory results of groundwater samples collected from well MW-2 revealed TPHg, BTEX and MTBE at concentrations of 100, 15, 1.7, 24, 9.9 and 70 mg/L, respectively.

The data was analyzed using a limited ASTM Risk-Based Corrective Action (RBCA) Tier 1 Risk Based Screening Level (RBSL) evaluation as referenced in the ASTM E 1739 - 95 document "Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites". The ASTM E 1739 - 95 document is a consistent decision-making process for the assessment and response to a petroleum release, and is based on the protection of human health and the environment. The Tier I risk assessment compares the chemicals of concern (COCs) documented at the site with Tier 1 RBSLs as presented in the published Look-up Table (ASTM E 1739-95 - Table X2.1 "Example Tier 1 Risk-Based Screening Level (RBSL) Look-up Table). *Note: Hazard Quotients (HQ) are used in the development of RBSLs for non-carcinogenic compounds only (examples: toluene, ethyl benzene, total xylenes, etc.), and are not used in determining RBSLs for carcinogens such as benzene.*

The evaluation determined that for the following risk exposure scenarios, benzene contaminant levels exceed the CA-modified Tier 1 RBSLs:

- Groundwater-Vapor Intrusion from Groundwater to Buildings at a target level of 1E-04 (1 in 10,000 excess cancer risk) for a commercial/industrial receptor scenario.

- Groundwater -Volatilization to Outdoor Air at a target level of 1E-06 (1 in 1,000,000 excess cancer risk) for a commercial/industrial receptor scenario.

For your information, the following guidance is referenced in sections 6.7.1 of the ASTM E1739 - 95 document:

"6.7.1 If the concentrations of the chemical(s) of concern exceed the target levels at the point(s) of compliance, then either remedial action, interim remedial action, or further tier evaluation should be conducted".

Therefore, please have your consultant prepare a report which evaluates whether remedial action, interim remedial action, or further tier evaluation is warranted for your site. Please include a cost/benefit analysis for each action evaluated. **This report is due within 45 days of the date of this letter, or no later than January 9, 1997.**

Please be advised that this letter constitutes a formal request for technical reports pursuant to California Health & Safety Code (H&SC) Section 25185.6 and California Water Code Section 13267(b).

Please feel free to contact me directly at (510)567-6880, should you have any questions about the content of this letter.

Sincerely,

Dale Klettke, CHMM
Hazardous Materials Specialist

c: Tom Peacock, Supervising Hazardous Materials Specialist--files
Mike Bakaldin, San Leandro Hazardous Materials Program
Scott MacLeod, c/o Cambria, 1144 65th Street Suite B, Oakland, CA 94608

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

R0156

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

STID 988

July 5, 1994

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

RE: SHELL SERVICE STATION, 1285 BANCROFT AVENUE, SAN LEANDRO

Dear Mr. Kirk:

I have recently completed review of the April 7, 1994 quarterly monitoring and May 3, 1994 "closure" investigation reports, both authored by Weiss Associates (WA). The April 7 report documents the results of well sampling and monitoring occurring at the referenced site during March 1994; the May 3 report documents the results of the installation of three additional soil borings, designated BH-D, -E, and -F, one of which (BH-F) was subsequently converted into monitoring well MW-4. This additional assessment work was based on the approved scope of work proposed in the October 29, 1993 WA work plan following our October 14, 1993 meeting.

Ground water sampled from well MW-2 exhibited a *marked* increase in TPH-G range and BTEX concentrations during the March 3, 1993 sampling event. An approximate 7-fold increase in TPH-G range compounds (from 1300 to 10,000 ppb) over those of the December 1993 event were noted in MW-2. Order-of-magnitude increases in BTEX concentrations over those recorded for December (e.g., from 110 to 1200 ppb benzene) were also identified. Such increases in contaminant concentrations were accompanied by an apparent and approximate 180° shift in ground water flow direction.

The May 3, 1994 report presents the comparatively unremarkable results of the installation of three borings with conversion of one into a ground water monitoring well, MW-4. This report specifically addresses the results of this additional assessment activity at the site.

Surprisingly, there is a lack of any interpretation or discussion of the March sampling/monitoring data presented in either the April 7 or May 3, 1994 reports. Recommendations for additional work, changes in sampling or monitoring frequencies, significance and possible explanations for these data, etc., as would be expected when such significant, unexpected changes in site status occur, were conspicuously absent. The obvious questions are: has there been a new release, or just an older one yet identified? Should we be directing our attention elsewhere, such as towards the dispenser islands?

At this time, please adhere to the following sampling and monitoring schedule:

- Ground water elevations in each well are to be measured and recorded monthly for the next two quarters, beginning July 1994.
- Ground water samples are to be collected from MW-2 on a monthly basis for the next quarter, or longer, until levels attenuate or otherwise stabilize. Samples are to be analyzed for TPH-G, BTEX and HVOCs.
- Ground water samples collected from MW-1, -3, and -4 are to collected quarterly and analyzed for TPH-G and BTEX.

Please be certain that future reports provide the level of professional interpretation we need to affect the best-informed, cost-effective decisions with respect to the direction in which this project should proceed in the future.

Please call me should you have any questions. Although we have recently moved to new offices (1131 Harbor Bay Parkway, 2nd Floor, Alameda 94502) and our permanent phone system is still not in place, you may reach me during the interim by calling 510/271-4320. Such calls will be routed to our phonemail system.

Sincerely,

Scott O. Seery, CHMM

cc: Rafat A. Shahid, Assistant Agency Director
Gil Jensen, Alameda County District Attorney's Office
Mike Bakaldin, San Leandro Fire Department
James Carmody, Weiss Associates

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

R0156

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

STID 988

December 8, 1993

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

RE: SHELL SERVICE STATION, 1285 BANCROFT AVENUE, SAN LEANDRO

Dear Mr. Kirk:

I have completed review of the October 29, 1993 Weiss Associates work plan submitted in the wake of our October 14, 1993 meeting. The cited work plan outlines proposed tasks associated with the need to assess ground water downgradient of the waste oil tank, and to evaluate the extent of fuel hydrocarbons in a sandy-gravel layer encountered at an approximate depth of 27 feet below grade in boring/well MW-2.

This work plan, which proposes the installation of an additional well and several exploratory borings, has been accepted as submitted. Please notify this office when field work is scheduled to begin. I may be reached at 510/271-4530.

Sincerely,

Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director
Gil Jensen, Alameda County District Attorney's Office
Mike Bakaldin, San Leandro Fire Department
Scott MacLeod, Weiss Associates

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

RAFAT A. SHAHID, Assistant Agency Director

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

R0156

March 4, 1992

Mr. Kurt Miller
Shell Oil Company
P.O. Box 5278
Concord, CA 94520

RE: SHELL SERVICE STATION, 1285 BANCROFT AVENUE, SAN LEANDRO

Dear Mr. Miller:

The current account established in 1990 to fund the Department's oversight of the referenced site investigation has been depleted. The present account balance is $198.80 in arrears. This fact was discussed in some detail with you on December 20, 1991. In correspondence from this Department on that same date, you were requested to submit an additional $300. Since that time, monitoring reports/proposals have been reviewed, phone calls placed, and other time has been expended by staff on this project. Several "reminder" calls have been made to your voice mail system regarding the need for additional funds. To date, no additional monies have been received.

At this time you are directed to remit a deposit for $500 to cover the current account debit and to fund project oversight for the next several months. Please be reminded that such deposits are authorized by Section 3-141.6 of the Alameda County Ordinance Code. Please be advised that the county ordinance does provide for a collection mechanism to be invoked should responsible parties be recalcitrant in remitting appropriate fees.

Please call me at 510/271-4320 should you have any questions.

Sincerely,

Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health
Edgar Howell, Chief, Hazardous Materials Division
Gil Jensen, Alameda County District Attorney's Office
Eddie So, RWQCB
Howard Hatayama, DHS
Mike Bakaldin, San Leandro Fire Department

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

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
80 Swan Way, Rm. 210
Oakland, CA 94621
(415) 271-4300

January 10, 1992

Mr. Kurt Miller
Shell Oil Company
P.O. Box 5278
Concord, CA 94520

RE: SHELL SERVICE STATION, 1285 BANCROFT AVENUE, SAN LEANDRO

Dear Mr. Miller:

This Department is in receipt and has completed review of the December 10, 1991 Weiss Associates (WA) addendum to their September 23, 1991 work plan which proposes the scope of the required additional environmental work at the referenced site. This work plan, as amended, has been accepted, with the following conditions:

1) The Site Safety Plan must reflect 29 CFR Part 1910.120 required elements.

2) Ground water sampling should occur a minimum of 24 hours after well development.

3) Well purging adequacy should be verified by the apparent stabilization of pH, temperature, and conductance measurements.

Please follow the reporting and sampling frequencies outlined in the August 22, 1991 correspondence from this office. If you so choose, you may include the results of this additional work in the 1992 first quarter report, due May 1st, as opposed to issuing a separate document.

Please call me at 510/271-4320 should you have any questions.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health
Edgar Howell, Chief, Hazardous Materials Division
Gil Jensen, Alameda County District Attorney's Office
Lester Feldman, RWQCB
Howard Hatayama, DTSC
Mike Bakaldin, San Leandro Fire Department
Joseph Theisen, Weiss Associates

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

R0156

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

December 26, 1991

Mr. Kurt Miller
Shell Oil Company
Environmental Engineering Division
P.O. Box 5278
Concord, CA 94520

RE: CAL-EPA REGIONAL HYDROGEOLOGY AND CONTAMINATION STUDY, CENTRAL SAN LEANDRO

Dear Mr. Miller:

The California Environmental Protection Agency (Cal-EPA), Department of Toxic Substance Control (DTSC), has been investigating the presence of several priority pollutants, primarily volatile organic compounds (VOC), heavy metals, and nitrates, in soil and ground water occurring in the central San Leandro area since approximately 1986. Currently, six sites are being investigated with Cal-EPA lead or oversight, as follows:

- 139th Avenue site (Cal-EPA lead)
- Factor Avenue site (Cal-EPA lead)
- Singer-Friden site (Cal-EPA lead)
- Caterpillar site (Cal-EPA oversight)
- Hudson ICS (Cal-EPA oversight)
- Staefa Control System Inc./2481 Washington Avenue (Cal-EPA oversight)

Because of similar contamination found at these sites, DTSC suspects that a larger, regional contamination problem exists that requires further investigation. Presently, DTSC is conducting a Regional Hydrology and Contamination Study in Central San Leandro. The purposes of this study include, among other elements:

- defining as far as possible the known vertical and horizontal extent of contamination in the area;
- identifying existing public and/or private wells that can be used by DTSC for monitoring purposes;
- instituting coordinated sampling; and,
- defining the hydrogeology of the area.

The intent of the DTSC study is to develop the best possible data on the extent of contamination while realizing no unnecessary expenditure of public funds. Following the presentation of the study's final report, DTSC will develop a work plan for conducting further study, targeting potential source areas and "hot spots" identified during the course of this phase of the investigation.

The DTSC has requested Alameda County's assistance in developing this study and report by coordinating ground water sampling efforts for those sites under county lead. To meet this goal, you are requested, on a volunteer basis, to supplement the sampling slated to occur at your site(s), listed below, during **January - March 1992**, in addition to those sampling/monitoring activities already required, as follows:

1) Collect and analyze ground water samples from at least one well for VOCs (EPA Method 624, or 601/602). The well sampled for this task is to be chosen based upon its potential for detection of VOCs relative to other wells on-site, i.e., its proximity downgradient of a former waste oil or solvent underground storage tank, VOCs identified in prior analyses, etc.

2) Present this data, along with other requisite sampling/monitoring data, in the 1992 first quarter report. Submit a copy of this report **directly** to the DTSC, at the following address:

California Environmental Protection Agency
Department of Toxic Substance Control
700 Heinz Avenue, Suite 200
Berkeley, CA 94710
Attn: Eileen Hughes

The sites affected by this request are as follow:

(R0372) o 15275 Washington Blvd.

(R0156) o 1285 Bancroft Ave.

(R0367) o 1784-150th Ave.

Thank you in advance for your cooperation in this matter. Please feel free to contact Mr. Scott Seery of this Division at 510/271-4320, or Ms. Eileen Hughes of DTSC at 510/540-3848, should you have any questions.

Sincerely,

Edgar B. Howell, III
Chief, Hazardous Materials Division

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health
Gil Jensen, Alameda County District Attorney's Office
Lester Feldman, RWQCB
Eileen Hughes, DTSC
Mike Bakaldin, San Leandro Fire Department
Jim Ferdinand, Eden Consolidated Fire District

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

R0156

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

December 20, 1991

Mr. Kurt Miller
Shell Oil Company
Environmental Engineering Division
P.O. Box 5278
Concord, CA 94520

RE: SHELL SERVICE STATION, 1285 BANCROFT AVENUE, SAN LEANDRO, ALAMEDA COUNTY

Dear Mr. Miller:

As we discussed today by phone, the Department requires that responsible parties remit a deposit to cover costs associated with our oversight of site investigations and remediations, among other activities associated with underground storage tank sites. Such deposits are authorized by Section 3-141.6 of the Alameda County Ordinance Code, and are placed into a site-specific account from which funds are drawn at the current rate of $67 per hour as time is dedicated to the project(s). Funds remaining in the account upon completion of a project will be refunded. Conversely, should these funds be depleted before project completion, additional funds will be requested.

As we further discussed, your original oversight account has been depleted. Please remit an additional deposit of $300 to offset the current negative balance of $45, and to provide oversight funding for the next several months.

Thank you in advance for your prompt attention to this matter. Please call me at 510/271-4320 should you have any questions.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health
Edgar Howell, Chief, Hazardous Materials Division
Gil Jensen, Alameda County District Attorney's Office
Lester Feldman, RWQCB
Howard Hatayama, DTSC
Mike Bakaldin, San Leandro Fire Department
files

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

Rol56

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

November 18, 1991

Mr. Joseph P. Theisen
Weiss Associates
5500 Shellmound Street
Emeryville, CA 94608

RE: SHELL SERVICE STATION, 1285 BANCROFT AVENUE, SAN LEANDRO, ALAMEDA COUNTY

Dear Mr. Theisen:

This Department is in receipt and has completed review of the September 23, 1991 Weiss Associates (WA) work plan describing proposed additional investigative work at the referenced site. The scope of this additional work was first outlined in correspondence from this Department dated August 22, 1991, and includes the installation of two (2) additional ground water monitoring wells. The opinions expressed in this letter are in concurrence with those of the San Francisco Bay Regional Water Quality Control Board (RWQCB).

The Department's review was performed in context with the technical requirements outlined in the RWQCB Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks and the SWRCB LUFT Manual. The September 23 WA proposal may be approved provided the following points are clarified and the requested technical information submitted to the satisfaction of this Department:

1) Submit a site-specific Site Safety Plan which adheres to the requirements of 29 CFR Part 1910.120.

2) Provide a schematic well construction diagram.

3) Describe well drilling and construction method, including decontamination measures.

4) Indicate type, diameter, screen interval, and pack and slot sizing technique. Describe depth and type of seal.

5) Describe well development method and criteria for determining adequacy of development.

6) Describe water level measurement procedures (e.g., optical probe, steel tape, etc.).

7) Describe methods employed for free product measurement, and the observation of sheen and odor.

8) Describe well purging procedures prior to sampling.

9) Describe sample collection (both soil and ground water), sample QA/QC, and chain-of-custody procedures, and field screening techniques. Soil samples are to be collected every 5 feet of boring advancement, significant changes in lithology, and at any time there are "hits" on field screening instruments.

10) All collected soil and ground water samples submitted to the state-certified laboratory must be analyzed for TPH-G and -D, BTEX, and halogenated volatile organic compounds.

Please submit the requested information within 30 days in the form of an addendum to the original September 23 work plan. Once approved, we will expect work to commence within 30 days of the approval date. Thank you in advance for your timely cooperation in this matter.

Please call me at 510/271-4320 should you have any questions.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health
Edgar Howell, Chief, Hazardous Materials Division
Gil Jensen, Alameda County District Attorney's Office
Lester Feldman, RWQCB
Howard Hatayama, DTSC
Mike Bakaldin, San Leandro Fire Department
Jack Bradstad, Shell Oil Company
files

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

R0156

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

August 22, 1991

Mr. Jack Bradstad
Shell Oil Company
P.O. Box 5278
Concord, CA 94520

RE: SHELL SERVICE STATION, 1285 BANCROFT AVENUE, SAN LEANDRO, ALAMEDA COUNTY

Dear Mr. Bradstad:

This office is in receipt of the April 11, 1991 Weiss Associates (WA) report documenting the results of ground water monitoring and sampling occurring during the first quarter of 1991 at the referenced Shell site.

Review of this report indicates that the chlorinated solvent PCE is found in concentrations an order-of-magnitude above current state MCLs; chloroform is also found, but in concentrations yet to exceed its MCL. This data tends to confirm that a release from the former waste oil underground storage tank (UST) had occurred, particularly when noting that ground water is presently found approximately 43 feet below grade.

The data further suggests that there may be an "old" fuel release at this site, in addition to the release from the waste oil tank. An old fuel release is suggested by the presence of fairly low concentrations of the volatile fuel constituents TEX and nondetectable benzene, when compared to the relative concentrations of TPH-G/D found in ground water samples collected since March 1990.

Further, in the absence of definitive ground water gradient data, it is unclear whether well MW-1 is down- or cross-gradient from either the former waste oil tank or the fuel UST cluster. The WA reports "anticipate" that ground water flows to the west, which would place MW-1 somewhat downgradient of the fuel UST cluster, and cross-gradient from the former waste oil tank.

Following review of data presented in this and previous WA reports, including the waste oil tank closure and well installation reports dated October 17, 1989 and July 31, 1990, respectively, the Department and RWQCB have concurred that additional work and the submittal of additional information is required to better define the extent of environmental impacts associated with past or present releases from the UST(s) at this site.

The required tasks are as follows:

1) Submit a work plan for the installation of additional monitoring wells. Such wells are to be in sufficient number and appropriately located to enable calculation of the site-specific ground water gradient and flow direction, and to define the extent, or "zero-line", the contaminant plume;

2) Reinstate quarterly sampling for well MW-1;

3) Reinstate quarterly report submittal schedule. Such quarterly reports are required by Section 2652(d) of Title 23, California Code of Regulations (CCR);

4) Submit the boring log for well MW-1, completed during March 1990.

The work plan submitted in response in Task 1, above, must adhere to the technical requirements outlined in the RWQCB Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks and the SWRCB LUFT manual. This work plan is due within 30 days of the date of this letter, **or by September 23, 1991.**

A report must be submitted within 45 days after completion of field activities associated with this newest phase of work at the site. Subsequent reports are to be submitted quarterly (Task 3) until this site qualifies for final RWQCB "sign-off." In order to establish a routine reporting schedule, such quarterly reports are due the first day of the second month of each subsequent quarter (i.e., November 1, February 1, May 1, and August 1). Hence, a report documenting activities occurring during the third quarter of 1991 is due for submittal by November 1; that documenting work during the the fourth quarter 1991, February 1, 1992, and so forth.

The referenced reports must describe the status of the investigation and must include, among others, the following elements:

- Details and results of all work performed during the designated period of time: records of field observations and data, boring and well construction logs, water level data, chain-of-custody forms, laboratory results for all samples collected and analyzed, tabulations of free product thicknesses and dissolved fractions, etc.

- Status of ground water contamination characterization
- Interpretation of results: water level contour maps showing gradients, free and dissolved product plume definition maps for each target component, geologic cross sections, etc.
- Recommendations or plans for additional investigative work or remediation

Further, please adhere to the following minimum schedule for the next year for monitoring/sampling of new and existing wells at this site:

- Water levels in **each** well are to be measured and recorded monthly for the next year. This schedule begins when the new wells are completed. This frequency will be reduced to quarterly after the first year;
- All new wells are to be sampled **monthly** for the first quarter. Such monthly sampling may be reduced to quarterly after the first three months if concentrations of target compounds remain stable or diminish. Reinstate **quarterly** sampling of MW-1 (Task 2);

All reports and proposals must be submitted under seal of a California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer. Please include a statement of qualifications for each lead professional involved with this project.

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 the RWQCB for enforcement, possibly subjecting the responsible party to civil penalties to a maximum of $1,000 per day. Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or the RWQCB.

Should you have any questions about the content of this letter, please call me at 415/271-4320.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health
Edgar Howell, Chief, Hazardous Materials Division
Gil Jensen, Alameda County District Attorney's Office
Lester Feldman, RWQCB
Howard Hatayama, DHS
Mike Bakaldin, San Leandro Fire Department
Joseph Theisen, Weiss Associates
files

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

R0156

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

September 19, 1990

Bob Farrell
Bob Farrell Shell
1285 Bancroft Ave.
San Leandro,CA 94577

Re: Waste Minimization Assessment

Dear Bob Farrell:

Your business has been selected to receive a hazardous waste minimization assessment. As you are probably aware, hazardous waste reduction has become a statewide, if not a national, issue. To address this issue at a county level, Alameda County is establishing its own Hazardous Waste Minimization Program and is planning to conduct waste minimization assessments for all hazardous waste generating facilities in the County.

We have chosen businesses in the auto repair industry to receive the first round of waste minimization assessments. It is our hope that these assessments will assist participating businesses in minimizing their hazardous wastes - and will give us further information on the best way to structure our minimization program.

One of our Hazardous Materials Specialists will be contacting you during the week of September 24 to arrange a meeting with you for an assessment of your business. During this meeting and assessment, the Specialist will work with you in examining your business's hazardous waste generating practices. The Specialist will then provide you with materials on waste reduction technology and assist you in setting up appropriate hazardous waste minimization practices.

We look forward to working with you in reducing the amount of hazardous waste your business generates. Of course, your comments and suggestions are encouraged; we need your input in order to best serve you! Please direct any comments and questions to Katherine Chesick at 415/271-4320.

Sincerely,

Edgar B. Howell

Edgar B. Howell, Chief,
Alameda County Hazardous Materials Division

EBH:kac

cc: Fire Department
Files

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

✓ R0156 (1285 Bancroft)
R0367 (1784 150th Ave)

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

August 8, 1990

Mr. Paul Hayes
Shell Oil Company
P.O. Box 4848
Concord, CA 92803

RE: 1784 - 150th Ave., San Leandro, CA
1285 Bancroft Ave., San Leandro, CA

Dear Mr. Hayes:

I have received for review, environmental reports for the two addresses above. Please submit separate deposit/refund checks for $375.00, made payable to the County of Alameda, for each site to compensate us for our time.

If you have any questions, please contact me at (415) 271-4320.

Sincerely,

Larry Seto, Senior,
Hazardous Materials Specialist

LS:mnc

cc: Karen Sixt, Weiss Associates
Gil Jensen, Alameda County District Attorney, Consumer and Environmental Protection Agency
Rafat A. Shahid, Assistant Agency Director, Environmental Health
Files

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

R0156

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

(12)

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

(R02524)	809 E. Stanley	No record of tank pull

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,

R.A. Shahid

Rafat A. Shahid, Chief,
Hazardous Materials Program

RAS:EH:mnc

cc: Edgar Howell, Alameda County Hazardous Materials Program
Files