

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



SENT  
9-29-06

ENVIRONMENTAL HEALTH SERVICES

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

September 28, 2006

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

Major Brand Gas, Inc.  
C/o Gursharnjeet Cheema  
2712 Cowell Road  
Concord, CA 94518

Subject: Fuel Leak Case No. RO0000428, Shell, 350 Grand Avenue, Oakland, CA 94610

Dear Mr. Brown and Mr. Cheema:

The fuel leak case file for the above-referenced site is under review for case closure by Alameda County Environmental Health (ACEH). If case closure is approved, the fuel leak case will be closed with the following site management requirement:

*"Case closure for the fuel leak site is granted for commercial land use only. If a change in land use to residential or other conservative scenario occurs at this property, Alameda County Environmental Health must be notified and the case needs to be re-evaluated. This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination posing a nuisance for subsurface utility work."*

Please provide the certification requested below in the Landowner Notification Requirements that you have notified all responsible landowners of the request for case closure.

**LANDOWNER NOTIFICATION REQUIREMENTS**

Pursuant to California Health & Safety Code Section 25297.15, the active or primary responsible party for a fuel leak case must inform all current property owners of the site of cleanup actions or requests for closure. Furthermore, ACEH may not consider any cleanup proposals or requests for case closure without assurance that this notification requirement has been met. Additionally, the active or primary responsible party is required to forward to ACEH a complete mailing list of all record fee title holders to the site.

For you to meet these requirements when submitting cleanup proposals or requests for case closure, ACEH requires that you:

1. Notify all current record owners of fee title to the site of any cleanup proposals or requests for case closure;
2. Submit a letter to ACEH which certifies that the notification requirement in 25297.15(a) of the Health and Safety Code has been met;

Mr. Denis Brown  
Mr. Gursharnjeet Cheema  
September 28, 2006  
Page 2

3. Forward to ACEH a copy of your complete mailing list of all record fee title holders to the site; and
4. Update your mailing list of all record fee title holders, and repeat the process outlined above prior to submittal of any additional *Corrective Action Plan* or your *Request for Case Closure*.

Your written certification to ACEH (Item 2 above) must state, at a minimum, the following:

A. *In accordance with Section 25297.15(a) of the Health & Safety Code, I, (name of primary responsible party), certify that I have notified all responsible landowners of the enclosed proposed action. (Check space for applicable proposed action(s)):*

- cleanup proposal (Corrective Action Plan)*
- request for case closure*
- local agency intention to make a determination that no further action is required*
- local agency intention to issue a closure letter*

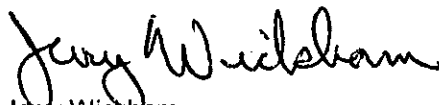
- OR -

B. *In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that I am the sole landowner for the above site.*

**(Note: Complete item A if there are multiple site landowners. If you are the sole site landowner, skip item A and complete item B.)**

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: Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



SENT  
7-5-05

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

July 5, 2005

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

Major Brand Gas, Inc.  
C/o Gursharnjeet Cheema  
1060 St. Raphael Drive  
Bay Point, CA 94565

Subject: Fuel Leak Case No. RO0000428, Shell, 350 Grand Avenue, Oakland, CA – Work Plan Approval

Dear Mr. Brown and Mr. Cheema:

Alameda County Environmental Health (ACEH) staff has reviewed the case file and the work plan entitled, "Site Investigation Work Plan," dated December 27, 2004, prepared on behalf of Shell by Cambria Environmental Technology, Inc. The work plan describes a scope of work that includes two cone penetrometer (CPT) borings near storm drains in Perkins Street, four soil borings near the dispenser islands, one CPT boring in the vicinity of well S-2, and an evaluation as to whether soil gas sampling is warranted in the area of the kiosk. ACEH concurs with the work plan provided that the technical comments below are addressed. Based on staff review of the document referenced above, we request that you address the following technical comments, perform the proposed work, and send us the reports described below. Please provide 72-hour advance notification to ACEH prior to initiating field sampling activities.

**TECHNICAL COMMENTS**

1. **Proposed Soil Borings B-1 through B-4.** ACEH is concerned with the quality of soil samples obtained from borings in which an air knife is used. Volatile constituents in the soil are likely to be stripped off by the high pressure and vacuum from an air knife. Therefore, the soil samples are to be collected to the maximum extent possible using a hand auger. If a hand auger cannot be used and the boring is advanced with an air knife, it is likely that the soil samples will be too disturbed to provide reliable analytical results. Provided that the borings can be advanced using a hand auger, soil samples are to be collected from intervals where staining, odor, or elevated photoionization readings are observed. If no staining, odor, or elevated photoionization readings are observed, soil samples are to be collected at 5 foot intervals as proposed.

### **TECHNICAL REPORT REQUEST**

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

- **August 15, 2005** - Quarterly Report for the Second Quarter 2005
- **November 8, 2005** – Site Investigation Report
- **November 15, 2005** - Quarterly Report for the Third Quarter 2005
- **February 15, 2006** - Quarterly Report for the Fourth Quarter 2005

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.

### **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.

### **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.

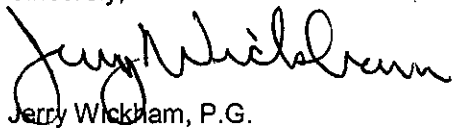
Denis Brown  
Gursharnjeet Cheema  
July 5, 2005  
Page 3

**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, P.G.  
Hazardous Materials Specialist

cc: Ana Friel  
Cambria Environmental Technology, Inc.  
270 Perkins Street  
Sonoma, CA 95406

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



04-02-02

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

March 29, 2002

Karen Petryna  
Equiva Services LLC  
PO Box 7869  
Burbank, CA 91501-7869

Dear Ms. Petryna:

Subject: Fuel Leak Case No. RO0000428, Shell Service Station, 350 Grand Ave.,  
Oakland, CA

Alameda County Environmental Health (ACEH) staff has reviewed "Subsurface Investigation Work Plan" dated December 20, 2001, prepared by Cambria Environmental Technology. The work plan proposes to advance 1 soil boring to collect soil and groundwater samples, and to install 2 groundwater recovery wells onsite. We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below.

#### TECHNICAL COMMENTS

Soil and Groundwater Sampling - The lateral and vertical extent of soil and groundwater contamination at your site is not adequately defined. HP-1, a hydropunch boring collected in the water main trench on January 27, 1993, found maximum groundwater concentrations of 22,000 ug/l Total Petroleum Hydrocarbons-Gasoline (TPH-G), 14,000 ug/l TPH-Diesel (TPH-D), and 2,500 ug/l Benzene. HP-4, installed in the sanitary sewer trench on March 1999, found maximum groundwater concentrations of 100,000 ug/l TPH-G, 83,000 ug/l TPH-D, and 2,000 ug/l Methyl Tertiary-Butyl Ether (MTBE). Utilities in the vicinity appear to be preferential pathways for contaminant migration. Please submit your proposal for plume definition in the amended workplan requested below. Include in your proposal your plan to collect groundwater samples within utility trenches.

#### TECHNICAL REPORT REQUEST

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

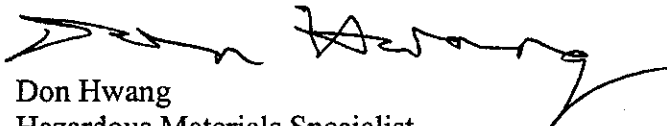
May 29, 2002 - Amended Workplan to include Soil and Groundwater Sampling

Ms. Petryna  
March 29, 2002  
Page 2 of 2

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.

If you have any questions, please call me at (510) 567-6746.

Sincerely,

A handwritten signature in black ink, appearing to read "Don Hwang", with a stylized flourish at the end.

Don Hwang  
Hazardous Materials Specialist

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

File

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



08-14-01

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

August 13, 2001

Karen Petryna  
Equiva Services LLC  
PO Box 7869  
Burbank, CA 91501-7869

Dear Ms. Petryna:

Subject: \ Shell Service Station, 350 Grand Ave., Oakland, CA  
RO0000428

Your consultant, Jacquelyn Jones, Cambria Environmental Technology, Inc., informed me that monitoring wells S-4 and S-5 were sampled and that the one-time dual-phase vacuum extraction (DVE) of S-2 has already been performed. The contaminant concentrations found for S-4 and S-5 were Not Detected (ND) or low, consistent with past sampling events. Please send me a copy of the report of the DVE when available.

If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang  
Hazardous Materials Specialist

C: Jacquelyn Jones, Cambria Environmental Technology, Inc., 1144-65<sup>th</sup> St., Suite B,  
Oakland, CA 94608

*a*

File



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



08-02-01

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

August 1, 2001

Karen Petryna  
Equiva Services LLC  
PO Box 7869  
Burbank, CA 91501-7869

Dear Ms. Petryna:

Subject: Shell Service Station, 350 Grand Ave., Oakland, CA  
RO0000428

"1<sup>st</sup> Quarter 2001 Monitoring Report" dated June 27, 2001 prepared by Cambria Environmental Technology for the aforementioned site was reviewed. Monitoring well S-2, sampled on February 16, 2001, found Methyl Tertiary-Butyl Ether (MTBE), using EPA Method 8260B, at 21,000 ug/l, also, Total Purgeable Petroleum Hydrocarbons (TPPH) at 20,000 ug/l, Total Extractable Petroleum Hydrocarbons (TEPH) at <5,000 ug/l, benzene at 990 ug/l, toluene at 93 ug/l, and ethylbenzene at 450 ug/l, and xylene at 63 ug/l. These results were in the range of previous sampling events. S-1 and S-3 had Not Detected (ND) or low concentrations for all constituents sampled the same quarter. S-4 and S-5 were not sampled.

A one-time dual-phase vacuum extraction (DVE) of S-2 is proposed to remediate the elevated MTBE concentrations. This proposal is approved. Please notify me when DVE will occur.

As previously mentioned, delineation of the plume beyond monitoring well S-2 may not be complete although downgradient monitoring wells S-1 and S-4 have had Not Detected (ND) or low constituent concentrations. There exists the possibility that the plume may extend between S-1 and S-4. Thus, S-4 and S-5 needs to be made accessible for sampling. Also, groundwater sampling between monitoring wells S-1 and S-4 may be necessary.

If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang  
Hazardous Materials Specialist

C: Jacquelyn Jones, Cambria Environmental Technology, Inc., 1144-65<sup>th</sup> St., Suite B,  
Oakland, CA 94608

File

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



04-26-01

April 25, 2001

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

Karen Petryna  
Equiva Services LLC  
PO Box 7869  
Burbank, CA 91501-7869

Dear Ms. Petryna:

Subject: Shell Service Station, 350 Grand Ave., Oakland, CA  
RO0000428

"3rd Quarter 2000 Monitoring Report" dated October 9, 2000 prepared by Cambria Environmental Technology for the aforementioned site was reviewed. Monitoring well S-2, sampled in July 27, 2000, found Methyl Tertiary-Butyl Ether (MTBE), using EPA Method 8260B, at 30,200 ug/l which was much higher than previously found. Also, Total Purgeable Petroleum Hydrocarbons (TPPH) at 14,900 ug/l, Total Extractable Petroleum Hydrocarbons (TEPH) at 10,200 ug/l, benzene at 1,250 ug/l, toluene at 98.8 ug/l, and ethylbenzene at 437 ug/l, were consistent with concentrations detected in the previous sampling events on July 27, 2000 and the sampling events of July 17, 1998 and before.

Delineation of the plume from monitoring well S-2 may not be complete. Groundwater sampling between monitoring wells S-1 and S-4 may be necessary to determine if the plume extends between these monitoring wells. A sampling event was scheduled for the first quarter of 2001. If the results for S-2 are consistent with those obtained recently, then its sampling frequency will need to increase to quarterly and a Corrective Action Plan, which includes an assessment of impacts, a feasibility study, and applicable cleanup levels will be required, as well as the delineation of the plume.

If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang  
Hazardous Materials Specialist

*ee*  
C: Troy Buggle, Cambria Environmental Technology, Inc., 1144-65<sup>th</sup> St., Suite B, Oakland,  
CA 94608  
File

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



20428  
ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION (LOP)  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

May 5, 1999

STID 3714

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

RE: Shell Service Station, 350 Grand Avenue, Oakland

LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

Dear Ms. Petryna:

This letter is to inform you of new legislative requirements pertaining to cleanup and closure of sites where an unauthorized release of hazardous substance, including petroleum, has occurred from an underground storage tank (UST). Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a site cleanup proposal, 2) a site closure proposal, 3) a local agency intention to make a determination that no further action is required, and 4) a local agency intention to issue a closure letter. Section 25297.15(b) requires the local agency to take all reasonable steps to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

For purposes of implementing these sections, you have been identified as the primary or active responsible party. Please provide to this agency, within twenty (20) calendar days of receipt of this notice, a complete mailing list of all current record owners of fee title to the site. You may use the enclosed "list of landowners" form (sample letter 2) as a template to comply with this requirement. If the list of current record owners of fee title to the site changes, you must notify the local agency of the change within 20 calendar days from when you are notified of the change.

If you are the sole landowner, please indicate that on the landowner list form. The following notice requirements do not apply to responsible parties who are the sole landowner for the site.

LANDOWNER NOTIFICATION

Re: 350 Grand Avenue, Oakland

May 5, 1999

Page 2 of 2

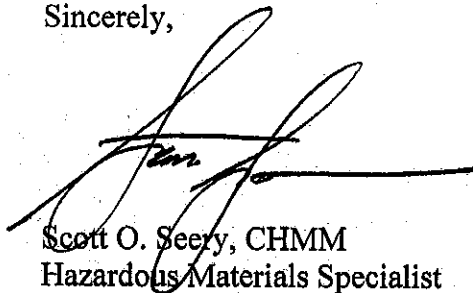
In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

- 1) consider a cleanup proposal (corrective action plan)
- 2) consider a site closure proposal
- 3) make a determination that no further action is required
- 4) issue a closure letter

You may use the enclosed "notice of proposed action" form (sample letter 3) as a template to comply with this requirement. Before approving a cleanup proposal or site closure proposal, determining that no further action is required, or issuing a closure letter, the local agency will take all reasonable steps necessary to accommodate responsible landowner participation in the cleanup and site closure process and will consider all input and recommendations from any responsible landowner.

Please call me at (510) 567-6783 should you have any questions about the content of this letter.

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

Attachments

cc: Chuck Headlee, RWQCB  
Leroy Griffin, Oakland Fire Department



January 26, 1999

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

STID 3714

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

RE: Shell Service Station, 350 Grand Avenue, Oakland

Dear Ms. Petryna:

I have reviewed the November 18, 1998 Cambria Environmental Technology, Inc. (Cambria) *Conduit Study Report*. This report concludes that storm and sanitary sewer trenches buried beneath both Perkins Street and Grand Avenue likely serve as preferential pathways for the migration of contaminated groundwater. This report also presents a proposed work plan for further investigation of this issue. Cambria later amended this work plan in a submittal dated January 12, 1999.

The cited Cambria work plan has been accepted with the following change:

- The location of proposed Geoprobe boring HP-6 shall be moved midway between the sanitary sewer and 18" storm drain lines beneath Perkins Street

Please call me at (510) 567-6783 when fieldwork has been scheduled and should you have any questions.

Sincerely,

  
Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Mee Ling Tung, Director, Environmental Health  
Chuck Headlee, RWQCB  
Leroy Griffin, Oakland Fire Department  
Darryk Ataide, Cambria Environmental Technology, Inc.

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

RO#428

August 4, 1998

ENVIRONMENTAL HEALTH SERVICES

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

STID 3714

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

RE: Utility Conduit Evaluation - Shell Service Station, 350 Grand Avenue, Oakland

Dear Mr. Perez:

The July 27, 1998 Cambria Environmental Technology, Inc. (Cambria) work plan for evaluation of potential preferential flow pathways has been reviewed and approved. I understand a report documenting this evaluation will be submitted within 6 weeks of the date of this letter.

Please call me at (510) 567-6783 should you have any questions.

Sincerely,

Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Mee Ling Tung, Director, Environmental Health  
Chuck Headlee, RWQCB  
Leroy Griffin, Oakland Fire Department  
Maureen Feineman, Cambria Environmental Technology, Inc.

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

R0428

June 26, 1998

STID 3714

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

RE: Shell Service Station, 350 Grand Avenue, Oakland

Dear Mr. Perez:

I have taken over current management of this case from Pamela Evans of this office. In doing so, I recently completed review of the case file, up to and including the May 31, 1998 Cambria Environmental Technology, Inc. (Cambria) report entitled "*MTBE Investigation Report*." The work documented in this report was prompted by the elevated levels of methyl tert-butyl ether (MtBE) identified historically in well S-2, located in the southwest corner of the site, directly proximal to the underground storage tank (UST) cluster.

The referenced Cambria report documents the installation of two (2) temporary GeoProbe® borings (SB-1 and SB-2) located across from the site, on the south side of Grand Avenue. Small diameter (3/4"), prepackaged GeoProbe® wells were subsequently installed into these borings, designated S-5 and S-4, respectively. Well S-5 is located west of Perkins Street, while S-4 is to the east. These wells were emplaced in locations believed to be hydraulically downgradient of the subject Shell site.

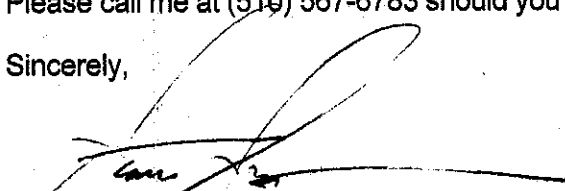
Groundwater (GW) was reportedly encountered between approximately 7 and 13.5' below grade (BG) in borings SB-1 (S-5) and SB-2 (S-4), respectively. Based on the most recent GW monitoring data (January 1998) and comparative review of the SB-4 and -5 boring logs, the 7' level is likely more representative of stabilized conditions.

Review of City of Oakland storm and sanitary sewer maps demonstrates the presence of several sewer lines passing by the site. Such lines run down Perkins Street towards Lake Merritt and east-west along Grand Avenue. The trenches in which these lines are placed, and perhaps the lines themselves, may present preferential pathways for the migration of contaminated GW away from the site source area in directions which may skirt the current well network. This issue must be evaluated.

Please submit a work plan describing plans to evaluate these and other potential utility alignments as conduits for contaminant dispersal from the site. This work plan is due within 30 days of the date of this letter.

Please call me at (510) 567-6783 should you have any questions.

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Mee Ling Tung, Director, Environmental Health  
Chuck Headlee, RWQCB  
Leroy Griffin, Oakland Fire Department  
Maureen Feineman, Cambria Environmental Technology, Inc.



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



RO# 428

January 15, 1998

Alex Perez  
Shell Oil Company  
P.O. Box 4023  
Concord CA 94520

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

RE: **Workplan for Investigation of MTBE in Groundwater**  
**Shell Station, 350 Grand Av., Oakland CA 94610 (our site # 3714)**

Dear Mr. Perez:

Recently I assumed responsibility for this case from Jennifer Eberle. I have reviewed the MTBE Investigation Work Plan (9/15/97) submitted by Cambria Environmental. The work plan proposes to identify water wells and other human receptors within one-half mile radius, to identify existing clean wells at down gradient sites that can be used to monitor MTBE migration, and if no suitable clean wells can be used, to install two-three new borings and two new wells. The proposal is acceptable to this Office. Today I spoke with Maureen Feineman of Cambria, and we discussed the following points:

- If possible, locate one of the borings and/or monitoring wells in a more westerly direction from the tank area.
- The proposed new well depth is 15'. The screening interval will be 2' to 15' below ground surface.
- Groundwater monitoring will occur semi-annually, during the first and third quarters of the year.

Work can begin at any time, but no longer than 60 days from the date of this letter. A report describing the findings and proposed next steps must be submitted within 45 days of the completion of this phase of the work.

You may contact me with any questions at (510)567-6770.

Sincerely,

Pamela J. Evans  
Senior Hazardous Materials Specialist

c: Maureen Feineman, Cambria Environmental Technology, 1144 65<sup>th</sup> St., Suite B, Oakland CA 94612

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R0#428

January 13, 1998

Alex Perez  
Shell Oil Company  
P.O. Box 4023  
Concord CA 94520

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

RE: **Workplan for Investigation of MTBE in Groundwater**  
**Shell Station, 350 Grand Av., Oakland CA 94610 (our site # 3714)**

Dear Mr. Perez:

Recently I assumed responsibility for this case from Jennifer Eberle. I have reviewed the MTBE Investigation Work Plan (9/15/97) submitted by Cambria Environmental. The work plan proposes to identify water wells and other human receptors within one-half mile radius, to identify existing clean wells at down gradient sites that can be used to monitor MTBE migration, and if no suitable clean wells can be used, to install two-three new borings and two new wells. The proposal is acceptable to this Office, however, I have the following questions and comments:

- Is it possible to locate one of the borings and/or monitoring wells in a more westerly direction?
- What will be the depth and screening intervals of the newly installed wells? Groundwater level has fluctuated dramatically at this site, so it is important to take the past range of groundwater elevations into consideration.
- Groundwater monitoring needs to occur semi-annually, during the first and third quarters of the year.

Work can begin at any time, but no longer than 60 days from the date of this letter. A report describing the findings and proposed next steps must be submitted within 45 days of the completion of this phase of the work.

You may contact me with any questions at (510)567-6770.

Sincerely,

Pamela J. Evans  
Senior Hazardous Materials Specialist *ref*

c: Maureen Fieneman, Cambria Environmental Technology, 1144 65<sup>th</sup> St., Suite B, Oakland CA 94612

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



RO# 428

July 31, 1997  
STID 3714  
page 1 of 2

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

Attn: Jeff Granberry  
Shell Oil Co.  
PO Box 4023  
Concord CA 94520

RE: Shell Station, 350 Grand Ave., Oakland CA 94610

Dear Mr. Granberry,

Since my last letter to Shell Oil, dated November 22, 1996, the following documents have been received in this office:

- 1) "Second Quarter 1996" report, prepared by Weiss Associates (Weiss), dated 6/24/96;
- 2) "Third Quarter 1996" report, prepared by Cambria, dated 10/15/96; and
- 3) "Fourth Quarter 1996 Quarterly Monitoring Report," prepared by Cambria, dated 2/11/97.

The concentrations of MTBE have been particularly elevated in well S-2, since MTBE analysis commenced on 7/30/96. There have been a total of three analyses performed for MTBE in well S-2, all of which have indicated consistent concentrations. Well S-2 is situated in a down/cross-gradient area, closest to the gasoline USTs. **You are requested to submit a workplan for delineation of MTBE around well S-2.** The workplan should also include analyses for BTEX, TPHg, and TPHd, as these compounds are also present in elevated concentrations in well S-2. The workplan should include investigation of the area downgradient of well S-2. **Please submit the workplan within 45 days, or by September 15, 1997.**

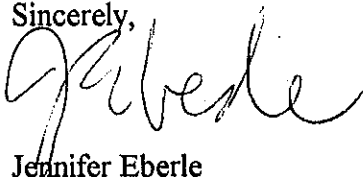
In addition, you are required to continue to monitor and sample this site until further notice on a semi-annual basis. Wells should be sampled in the first and third quarters. This requirement is as per my 11/22/96 letter. Our files do not indicate any agreement to annual sampling performed in the fourth quarter of each year.

Please note that the TPH-d concentration was not reported in Table 2 for the 4/2/96 sampling event. **Please revise this table in the next report.**

If you have any questions, please contact me at 510-567-6761.

July 31, 1997  
STID 3714  
page 2 of 2

Sincerely,

A handwritten signature in cursive script, appearing to read "J. Eberle".

Jennifer Eberle  
Hazardous Materials Specialist

cc: Scott MacLeod, Cambria, 1144-65th St., Suite B, Oakland CA 94608  
J. Eberle/file

je.3714-B

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RO# 428

November 22, 1996  
STID 3714  
page 1 of 2

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

Attn: Jeff Granberry  
Shell Oil Co.  
PO Box 5278  
Concord CA 94520-9998

RE: Shell Station, 350 Grand Ave., Oakland CA 94610

Dear Mr. Granberry,

Since my last letter to Shell Oil, dated 6/20/95, the following documents have been received in this office:

- 1) "Second Quarter 1995" report, prepared by Weiss Associates (Weiss), dated 5/18/95;
- 2) "Third Quarter 1995" report, prepared by Weiss, dated 9/18/95;
- 3) "Site Health and Safety Plan," prepared by Paradiso Mechanical, Inc., dated September 1995;
- 4) "Underground Tank Closure Plan" application, submitted by contractor on 9/27/95;
- 5) "Fourth Quarter 1995" report, prepared by Weiss, dated 12/8/95;
- 6) "Soil Characterization Workplan," prepared by Weiss, dated 3/7/96;
- 7) "First Quarter 1996" report, prepared by Weiss, dated 4/1/96;
- 8) "Second Quarter 1996" report, prepared by Weiss, dated 6/24/96; and
- 9) "Tank Removal and Soil Overexcavation Report," prepared by Weiss, dated 8/14/96.

In addition, an inspection report was completed in the field during my site visits on 4/22/96 and 4/23/96, when the USTs were removed and sampling was conducted. Please note that the TPH-d concentrations were not reported in Table 2 in the latest quarterly report. **Please include TPH-diesel concentrations in tabulated form in future reports.** The 6/24/96 report represents the second quarter, and is the most recent quarterly report received in this office. The report for the third quarter is overdue; **please submit the quarterly report for the third quarter asap.** The fourth quarter sampling event was presumably conducted in October 1996. Quarterly reports should be submitted before the subsequent sampling event.

November 22, 1996

STID 3714

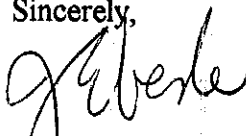
page 2 of 2

Attn: Jeff Granberry

Since this site has been sampled and monitored quarterly since 1/23/91, and since the data remain relatively consistent with non-detect to low concentrations in two of the three wells, **it would be acceptable to change the sampling frequency from quarterly to biannual.** Wells should be sampled in the first and third quarters. **Please continue to monitor and sample this site until further notice.**

If you have any questions, please contact me at 510-567-6761.

Sincerely,



Jennifer Eberle  
Hazardous Materials Specialist

cc: Brian Busch, Weiss Assoc., 5500 Shellmound St., Emeryville CA 94608-2411  
J. Eberle/file

je.3714-A

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R0428

RAFAT A. SHAHID, DIRECTOR

June 20, 1995  
STID 3714

Attn: Dan Kirk  
Shell Oil Co.  
PO Box 5278  
Concord CA 94520-9998

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577  
(510) 567-6700

RE: Shell Station, 350 Grand Ave., Oakland CA 94610

Dear Mr. Kirk,

I am in receipt of the workplan letter report, prepared by Weiss Associates, dated 2/8/95. This workplan involves the installation of one additional groundwater monitoring well across Grand Ave, and collecting one grab ground water sample from a boring drilled across Perkins St. The additional groundwater monitoring well will allow us to collect more groundwater elevation data, so as to better establish groundwater flow direction, which has been quite variable.

**This workplan is acceptable for implementation. Please notify me by telephone at least 2 business days prior to field work.**

*In addition, you are requested to include a table of historical groundwater flow directions (and gradients) in order to determine trends.*

If you have any questions, please contact me at 510-567-6761.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Jennifer Eberle'.

Jennifer Eberle  
Hazardous Materials Specialist

cc: Tom Fojut, Weiss Assoc., 5500 Shellmound St., Emeryville CA 94608-2411  
Jun Nakashima/file

je.3714

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R0428

RAFAT A. SHAHID, Assistant Agency Director

June 23, 1992

STID 3714

Shell Oil Co.  
PO Box 5278  
Concord CA 94520  
Attn: Dan Kirk

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

RE: Shell Service Station  
350 Grand Av.  
Oakland CA 94610

Dear Mr. Kirk,

The case file for the above referenced site has been reassigned to Jennifer Eberle, Hazardous Materials Specialist. Please forward future correspondence to her attention.

The file for this site has been recently reviewed by J. Eberle. A brief history of this site follows: A closure plan for four underground storage tanks (USTs) was received by this office in February 1990. The USTs were never removed, as discussed by telephone on 6/22/92 by yourself and J. Eberle. Instead, three groundwater monitoring wells were installed in April 1991. Soil and groundwater contamination was encountered, and an Unauthorized Leak/Release Report (ULR) was filed with this agency. Since 4/25/91, groundwater has been monitored on a quarterly basis; levels of TPH-g, TPH-d, and benzene have been consistently significant. Up to 32,000 ppb TPH-g, 36,000 ppb TPH-d, and 6,300 ppb benzene were detected in groundwater over the past five quarters of sampling.

The reason for the cancellation of the UST removal remains unknown. According to our files, the USTs are single-walled and steel, and their date of installation is unknown. Quarterly Inventory records submitted to our office have shown "bad stick readings by employees" and inventory variations which exceeded the allowable limits since 1989.

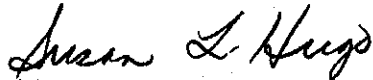
There is obviously a problem at this site. It may be a leaking UST, pipeline, or an overspill during filling. Therefore, you are requested to submit a workplan addressing measures to adequately define the lateral and vertical extent of soil and groundwater contamination. Please respond to us **within 45 days or by August 7, 1992**. Although UST replacement is not mandated until 1998, tank removal in conjunction with remediation may be an option worthy of consideration in light of the situation outlined above.



Dan Kirk  
STID 3714  
Page 2 of 2  
June 23, 1992

If you have any questions, please contact J. Eberle at 510-271-4320.

Sincerely,



Susan Hugo  
Senior Hazardous Materials Specialist

cc: Major Brand Gas, Inc., PO Box 2099, Houston, TX 77252  
Rich Hiatt, RWQCB  
File

je

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0428

July 17, 1990

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

Ms. Davis  
434 Perkins St.  
Oakland, CA 94610

Re: 350 Grand Ave., 94610 Shell Station

This letter is in response to your inquiry as to the reason Shell was scheduling the removal of the four underground tanks at the location referenced above. Upon a file search it was found that the underground tanks have been issued a 5 year operating permit. This means that the tanks have fulfilled one of the allowable monitoring alternatives as stated in Title 23 of the California Underground Storage Tank Regulations. Specifically, this station uses inventory reconciliation, annual tank testing and annual pipeline leak detector testing. It is therefore my opinion that the replacement of these underground tanks is part of a routine schedule to replace older tanks since no apparent reasons exist for the immediate tank removals.

Please contact the undersigned at 271-4320, should you have any questions concerning this letter.

Sincerely,

Barney M. Chan  
Hazardous Materials Specialist

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0428

May 1, 1990

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

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

Attn: Lisa Foster & Ken Lottinger

RE: Underground storage tank permitting  
Mr. Raj Goyal, Grand Ave Shell, 350 Grand Avenue,  
Oakland, CA 94610

Dear Ms. Foster:

This letter is in regards to the request for information pertaining to daily inventory report records for the past 3 years required to be kept on hand at the Grand Ave Shell station. Paul Smith, Hazardous Materials Specialist talked with Nick Goyal on 5/9/90. He has informed us that when he moved to another office recently, the 1987 records were either misplaced or lost by the moving company. Since inventory records are currently on hand for the past 2 years and there does not appear any other outstanding issues regarding the conditions for a 5 year permit issuance we feel that a 5 year permit should be issued to the above facility. Enclosed is your permit to operate.

If you have any questions please contact Paul Smith at 271-4320.

Sincerely,

Edgar B. Howell III, Chief,  
Hazardous Materials Division

EBH:PMS:pms

Enclosures (2)

cc: Ken Lottinger, Shell Area Manager  
Mr. Raj Goyal, Dealer

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R0428

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

March 22, 1990

Shell Oil Company  
P.O. Box 4023  
Concord, CA 95424  
Attn: Lisa Foster & Ken Lottinger

RE: Underground storage tank permit requirements  
Raj Goyal / Devi Oil, 350 Grand Ave. Oakland, CA 94610

Dear Ms. Foster:

This letter is in regards to the inspection which was done at your facility on January 31, 1990, by Paul Smith of our department. The inspection was performed to evaluate whether the conditions for the 5 year underground storage permit were being met. The following items need to be addressed in order to come into compliance with Title 23 of the California Code of Regulations:

Section 2712 requires that you maintain daily inventory records. These records should be maintained on your premises for 3 years. Records of your daily inventory were on hand for the last two years. Keep the third years inventory record on hand at your Grand Ave facility.

Please comply with the above regulations within 10 days of the receipt of this letter. A 5 year year permit will be issued when the above requirement has been met.

If you have any questions, please direct them to Paul Smith with our department, at 271-4320.

Sincerely,

A handwritten signature in cursive script, appearing to read "Edgar B. Howell III".

Edgar B. Howell III, Chief,  
Hazardous Materials Division

EBH:PMS:pms  
Enclosures (1)

cc: Raj Goyal, Devi Oil Co.  
Ken Lottinger, Shell Area Manager