

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



7

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

October 11, 2006

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

Subject: Fuel Leak Case No. RO0000487, Shell#13-5700, 105 5th Street, Oakland, CA 94607

Dear Mr. Brown:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the subject site, including the recent report entitled, "Groundwater Monitoring Report – Third Quarter 2006," dated October 9, 2006, prepared on your behalf by Cambria Environmental Technology, Inc. The report presents the results from sampling of existing monitoring wells on July 25, 2006. Based on the recent groundwater monitoring results, dissolved fuel hydrocarbon and MTBE concentrations in groundwater appear to have decreased since 2003. However, MTBE continues to be detected at an elevated concentration in off-site monitoring well MW-6.

The groundwater monitoring report indicates that a risk-based evaluation and site conceptual model (SCM) will be completed for the site. Periodic groundwater extraction was discontinued following the June 6, 2006 batch groundwater extraction event while the risk-based evaluation and SCM is completed. We request that the risk-based evaluation and SCM be completed by **December 12, 2006**. Please address the technical comments below during preparation of the risk-based evaluation.

TECHNICAL COMMENTS

1. **Detection of TBA in Well MW-4.** Tertiary butyl alcohol (TBA) was detected in groundwater collected from well MW-4 on July 25, 2006 at a concentration of 44.8 micrograms per liter ($\mu\text{g/L}$). TBA was not detected in groundwater from well MW-4 during previous monitoring events. Please review the initial detection of TBA in well MW-4 and the implication of this detection with regard to plume stability in the SCM. TBA is currently analyzed only on an annual basis. Please include TBA, ETBE, TAME, and DIPE as analytes during each future quarterly sampling event
2. **Groundwater Flow Direction.** Water levels measured in well MW-4 are typically more than 2 to 3 feet lower than water levels measured in other wells at the site. Therefore, the hydraulic gradient south of the site appears to be relatively steep at approximately 0.025. The soils encountered in the lower portion of the well MW-4 boring do not appear to be consistent with the generally permeable sands described on boring logs for wells MW-1 through MW-3, well MW-6, and soil borings SB-01 through SB-5. If the water levels measured in the tank pit wells and well MW-4 are not used in groundwater elevation contour maps, the hydraulic gradient for the site may be more to the south. The significantly higher

concentrations of fuel hydrocarbons and oxygenates measured in well MW-6 than well MW-4 may also be indicative that the hydraulic gradient is to the south rather than southeast. Please review these factors in discussing the plume distribution, apparently steep hydraulic gradient, and hydrogeology of the site in the SCM.

3. **Vertical Extent of Contamination.** Soil and groundwater sampling at the site has been limited to the upper 25 feet. Groundwater monitoring wells are generally screened over an approximately 20-foot interval from approximately 5 to 25 feet bgs. The depth of the plume within or beyond this longer screen interval is unknown. Please discuss in the SCM requested below whether delineation of the vertical extent of contamination is a data gap for the site.
4. **Potential Discharges to Storm Drain.** Relatively high concentrations of MTBE and dissolved fuel hydrocarbons have been detected on site and in grab groundwater samples and well MW-6, which are located in the street, immediately north of a 24-inch storm drain and 12-inch sanitary sewer. With the exception of the recent detection of TBA in groundwater from well MW-4, MTBE and fuel oxygenates have not been detected at the groundwater sampling locations southeast of the storm drain (SB-6, SB-7, and MW-4). Please discuss the potential for the storm drain to be the primary receptor for groundwater contamination from the site.
5. **Quarterly Monitoring.** Please continue the quarterly groundwater monitoring program for the site. As requested in technical comment 1 above, please include TBA, ETBE, TAME, and DIPE as analytes during quarterly groundwater sampling.

TECHNICAL REPORT REQUEST

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

- **December 12, 2006** – Risk-based Evaluation and SCM
- **45 days following end of each quarter** – Quarterly Monitoring Reports

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

ELECTRONIC SUBMITTAL OF REPORTS

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

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

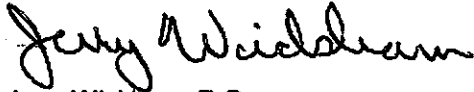
AGENCY OVERSIGHT

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

Mr. Denis Brown
October 11, 2006
Page 4

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

Sincerely,



Jerry Wickham, P.G.
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Ana Friel
Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, CA 95476

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

RO487

Wickham, Jerry, Env. Health

From: Wickham, Jerry, Env. Health
Sent: Tuesday, September 12, 2006 10:23 AM
To: 'Friel, Ana'
Subject: RE: 105 5th Street, Oakland, ACEH RO 487

Hi Ana,

No reporting schedules have been set for this site. The site has been on self monitoring for some time. QMR reporting schedules are typically 45 days after the end of the quarter or you can propose an alternate schedule in the next QMR.

Regards,
Jerry Wickham
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Suite 250
Alameda, CA 94502-6577
510-567-6791 phone
510-337-9335 Fax
jerry.wickham@acgov.org

From: Friel, Ana [<mailto:afriel@cambria-env.com>]
Sent: Tuesday, September 12, 2006 9:19 AM
To: Wickham, Jerry, Env. Health
Subject: 105 5th Street, Oakland, ACEH RO 487

Hi Jerry,

When you get a moment, could you check to see what your anticipated "due date" is for the 3Q06 QMR for this site? I'm trying to clarify our reporting schedule and don't see a recent letter or anything that references the QM reporting schedule for this site.

Appreciate it!

Ana Friel, PG
Associate Geologist
Cambria Environmental Technology, Inc.

afriel@cambria-env.com
p (707) 268-3812
f (707) 268-8180
c (707) 845-4066

9/12/2006

R0487

Wickham, Jerry, Env. Health

From: Wickham, Jerry, Env. Health
Sent: Thursday, July 13, 2006 11:28 AM
To: 'Vasko, Cynthia'
Cc: denis.l.brown@shell.com; Friel, Ana
Subject: RE: 105 5th Street, Oakland - Request to Discontinue Vacops

Cynthia,

The proposal to suspend ongoing monthly groundwater extraction events while completing a risk-based evaluation is acceptable.

Regards,

Jerry Wickham

Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Suite 250
Alameda, CA 94502-6577
510-567-6791 phone
510-337-9335 Fax
jerry.wickham@acgov.org

From: Vasko, Cynthia [mailto:cvasko@cambria-env.com]
Sent: Tuesday, July 11, 2006 12:41 PM
To: Wickham, Jerry, Env. Health
Cc: denis.l.brown@shell.com; Friel, Ana
Subject: 105 5th Street, Oakland - Request to Discontinue Vacops

Jerry,

Mobile Dual-phase Vacuum Extraction (DVE) was conducted at the site from April 2000 to October 2000, and once in March 2001. Periodic groundwater extraction (GWE), using a vacuum truck, has been conducted from various wells at the site since November 2001. During this time approximately 86 pounds of MTBE has been removed from the site. The MTBE concentration in well MW-3 has decreased from 196,000 ppb on April 7, 2000 to 1,720 ppb on April 14, 2006. The MTBE concentration in tank backfill well T-1 has decreased from 92,000 ppb on January 7, 2002 to 5.29 ppb on April 14, 2006. The MTBE concentration in MW-2 has decreased from 41,800 ppb on April 7, 2000 to 61 ppb on April 14, 2006. Cambria and Shell believe that periodic DVE and GWE have successfully reduced MTBE concentrations at this site, and that periodic GWE is no longer necessary or cost-effective.

Cambria is planning to submit a *Site Conceptual Model* for this site, which will include a risk-based evaluation to determine what additional activities are warranted at this site. With your approval we would like to suspend ongoing monthly periodic GWE events, effective immediately. Please let me know if we can discontinue periodic GWE while completing the SCM for your review.

Regards,
Cynthia

7/13/2006

ALAMEDA COUNTY
HEALTH CARE SERVICES

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DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
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May 8, 2002

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

Dear Ms. Petryna:

Subject: Fuel Leak Site RO0000487, 105 5th St., Oakland, CA 94607

Alameda County Environmental Health, Local Oversight Program (LOP), has received and reviewed the May 6, 2002 Subsurface Investigation Report/Second Quarter 2002 Monitoring Report for the referenced site prepared by Cambria Environmental. This report details the results of the off-site Geoprobe boring investigation and the on-site monitoring well installation. The rationale for this work was two-fold, to determine if the dispenser islands were a source of the fuel leak and to determine if the off-site utilities were acting as a preferential pathway for contaminant migration. Your consultant concludes that the dispensers are not acting significantly as a source of the MTBE contamination and that the off-site utilities may be acting as a preferential pathway. Applying the same SFRWQCB guideline as that for the SFIA (SF International Airport) site, a dilution attenuation factor, DAF, of 7 is estimated. That is, the expected concentration at the Oakland Inner Harbor is 1/7 the current concentration. Using the average MTBE concentration of the grab groundwater samples collected off-site and dividing by 7 yields approximately 300 ppb, which is less than the Water Board's Aquatic Protection RBSL. Our office has the following comments to this technical report:

- Though the resultant MTBE concentration expected at the Oakland Inner Harbor may be below Water Board RBSLs, a significant MTBE release appears to continue be released from the UST pit. We concur that groundwater extraction must continue. Please check vapor concentrations within tank backfill wells and determine if DVE would also be recommended.
- Please sample MW-3 for the other ether oxygenates and lead scavengers; TAME, DIPE, TBA, EDB and EDC in addition to MTBE.
- Please confirm that extraction from tank backfill well T1 has influence on MW-3 and T1 by observation during extraction. If no influence is observed, consider also extracting from these wells.
- Our office concurs with the proposed additional down-gradient well to observe the contaminant concentration migrating along the utilities.

Please address these items in your future site work. You may contact me at (510) 567-6765 with comments or questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. J. Loetterle, Cambria Environmental, 1144 65th St., Suite B, Oakland, CA 94608

SS1105 5th St.

ALAMEDA COUNTY
HEALTH CARE SERVICES

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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 26, 2001
StID #3849/ RO0000487

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

Re: Shell Service Station, 105 5th St., Oakland CA 94607

Dear Ms. Petryna:

This letter serves to comment on the recently submitted **June 7, 2001 Offsite Subsurface Investigation** report by Cambria. This report gives soil and groundwater results from samples from two borings, SB-6 and SB-7, and monitoring well MW-4. It also gives the results of the well survey and conduit study in addition to providing a site conceptual model (SCM).

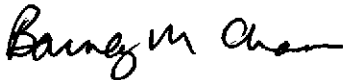
Our office has the following comments and requests based upon our review of this and past reports:

- The well survey identified two potential receptor wells with a half-mile radius. It was noted that the symbols used to designate the two wells on Figure 3 were reversed.
- The conduit study identified two utilities, a 12" sanitary sewer and a 24" storm drain which could be impacted by a release from this site. However, no recommendations were made to further investigate this potential.
- No groundwater contour map was provided even though MW-4 was installed and sampled.
- Our office spoke with Mr. Loetterle of Cambria in April 2001 and suggested the installation of an additional on-site monitoring well and a tank pit backfill well for groundwater contouring and remediation purposes. What is your opinion of these suggestions?
- **Table 1: Groundwater Extraction- Mass Removal Data and Table 2: Vapor Extraction- Mass Removal Data** provides a summation of the amount of TPPH (gasoline), benzene and MTBE removed from the groundwater and vapor extraction events performed in MW- 2 and MW-3. Please do not use the < (less than) term when summing actual amounts of analytes removed ie when summing numbers some of which are positive and some of which are <, the total should not be < total sum. This is misleading. Please also check to insure that the < values are carried correctly through their respective columns. The results confirm a significant MTBE release in the area of MW-3.
- When will the results of the March 20, 2001 Dual-Phase vacuum extraction test be provided? You should discuss the merits of installing a permanent system versus the continual monthly extraction.

June 26, 2001
StID #3849/ RO0000487
105 5th St., Oakland 94607
Ms. Karen Petryna
Page 2

Please provide comment to these observations. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

✓ C: B. Chan, files

Mr. J. Loetterle, Cambria Environmental, 1144 65th St., Suite B, Oakland CA 94608

Commt105 5th St



Winston H. Hickox
Secretary for
Environmental
Protection

State Water Resources Control Board

Division of Clean Water Programs

1001 I Street • Sacramento, California 95814
P.O. Box 944212 • Sacramento, California • 94244-2120
(916) 341-5714 • FAX (916) 341-5806 • www.swrcb.ca.gov/cwphome/ustcf



Gray Davis
Governor

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website at www.swrcb.ca.gov.

MAR - 8 2001

Deborah Pryor % Equiva Serv LLC
Shell Oil Company
P O Box 7869
Burbank, CA 91510-7869

UNDERGROUND STORAGE TANK CLEANUP FUND (FUND), NOTICE OF ELIGIBILITY DETERMINATION: CLAIM NUMBER 016100; FOR SITE ADDRESS: 105 5TH ST, OAKLAND

Your claim has been accepted for placement on the Priority List in Priority Class "D" with a deductible of \$10,000.

We have completed our initial review. The next step in the claim review process is to conduct a compliance review.

Compliance Review: Staff reviews, verifies, and processes claims based on the priority and rank within a priority class. After the Board adopts the Priority List, your claim will remain on the Priority List until your Priority Class and rank are reached. At that time, staff will conduct an extensive Compliance Review at the local regulatory agency or Regional Water Quality Control Board. During this Compliance Review, staff may request additional information needed to verify eligibility. Once the Compliance Review is completed, staff will determine if the claim is valid or must be rejected. If the claim is valid, a Letter of Commitment will be issued obligating funds toward the cleanup. If staff determine that you have not complied with regulations governing site cleanup, you have not supplied necessary information or documentation, or your claim application contains a material error, the claim will be rejected. In such event, you will be issued a Notice of Intended Removal from the Priority List, informed of the basis for the proposed removal of your claim, and provided an opportunity to correct the condition that is the basis for the proposed removal. Your claim will be barred from further participation in the Fund, if the claim application contains a material error resulting from fraud or intentional or negligent misrepresentation.

Record keeping: During your cleanup project you should keep complete and well organized records of all corrective action activity and payment transactions. If you are eventually issued a Letter of Commitment, you will be required to submit: (1) copies of detailed invoices for all corrective action activity performed (including subcontractor invoices), (2) copies of canceled checks used to pay for work shown on the invoices, (3) copies of technical documents (bids, narrative work description, reports), and (4) evidence that the claimant paid for the work performed (not paid by another party). These documents are necessary for reimbursement and failure to submit them could impact the amount of reimbursement made by the Fund. *It is not necessary to submit these documents at this time; however, they will definitely be required prior to reimbursement.*

Compliance with Corrective Action Requirements: In order to be reimbursed for your eligible costs of cleanup incurred after December 2, 1991, you must have complied with corrective action requirements of Article 11, Chapter 16, Division 3, Title 23, California Code of Regulations. Article 11 categorized the corrective action process into *phases*. In addition, Article 11 requires the responsible party to submit an

California Environmental Protection Agency

corrective action process into *phases*. In addition, Article 11 requires the responsible party to submit an *investigative workplan/Corrective Action Plan (CAP)* before performing any work. This phasing process and the workplan/CAP requirements were intended to:

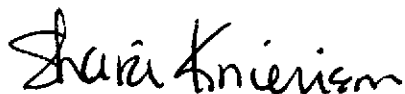
1. help the responsible party undertake the necessary corrective action in a cost-effective, efficient and timely manner;
2. enable the regulatory agency to review and approve the proposed cost-effective corrective action alternative before any corrective action work was performed; and
3. ensure the Fund will only reimburse the most cost-effective corrective action alternative required by the regulatory agency to achieve the minimum cleanup necessary to protect human health, safety and the environment.

In some limited situations *interim cleanup* will be necessary to mitigate a demonstrated immediate hazard to public health, or the environment. Program regulations allow the responsible party to undertake interim remedial action after: (1) notifying the regulatory agency of the proposed action, and; (2) complying with any requirements that the regulatory agency may set. Interim remedial action should only be proposed when necessary to mitigate an immediate demonstrated hazard. ***Implementing interim remedial action does not eliminate the requirement for a CAP and an evaluation of the most cost-effective corrective action alternative.***

Three bids and Cost Preapproval: Only corrective action costs required by the regulatory agency to protect human health, safety and the environment can be claimed for reimbursement. You must comply with all regulatory agency time schedules and requirements and you must obtain three bids for any required corrective action. Unless waived in writing, you are required to obtain preapproval of costs for all future corrective action work. ***If you do not obtain three bids and cost preapproval, reimbursement is not assured and costs may be rejected as ineligible.***

If you have any questions, please contact me at (916) 341-5714.

Sincerely,



Shari Knieriem
Claims Review Unit
Underground Storage Tank Cleanup Fund

cc: Mr. Steve Morse
RWQCB, Region 2
1515 Clay Street, Ste. 1400
Oakland, CA 94612

Ms. Susan Hugo
Alameda County EHD
✓ 1131 Harbor Bay Pkway, 2nd Fl.
Alameda, CA 94502-6577



State Water Resources Control Board



Winston H. Hickox
Secretary for
Environmental
Protection

Division of Clean Water Programs
1001 I Street • Sacramento, California 95814 • (916) 341-5714
Mailing Address: P.O. Box 944212 • Sacramento, California • 94244-2120
FAX (916) 341-5806 • Internet Address: <http://www.swrcb.ca.gov/cwphome/ustcf>

Gray Davis
Governor

JAN 11 2001

Deborah Pryor % Equiva Serv Llc
Shell Oil Company
P O Box 7869
Burbank, CA 91510-7869

UNDERGROUND STORAGE TANK CLEANUP FUND PROGRAM, REQUEST FOR
FURTHER DOCUMENTATION DURING INITIAL REVIEW: CLAIM NUMBER 016100;
FOR SITE ADDRESS: 105 5TH ST, OAKLAND 94607

After reviewing your claim application to the Cleanup Fund, we find that the following
additional information is needed to determine your eligibility for placement on the Priority List:

Please provide a copy of the Upgrade Certificate.

NOTE: Failure to respond to this request within thirty (30) calendar days from the date of this
letter may result in an ineligibility determination of your claim.

If you have any questions, please contact me at (916) 341-5714.

Sincerely,

ORIGINAL SIGNED BY

Shari Knieriem
Claims Review Unit
Underground Storage Tank Cleanup Fund

cc: Mr. Steve Morse
RWQCB, Region 2
1515 Clay Street, Ste. 1400
Oakland, CA 94612

Mr. Thomas Peacock
Alameda County EHD
1131 Harbor Bay Pkway, 2nd Fl.
Alameda, CA 94502-6577

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

January 4, 2001
StID 3849/RO0000487

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

Re: Shell-branded Service Station, 105 5th St., Oakland CA 94607

Dear Ms. Petryna:

Our office has received and reviewed the December 17, 2001 Subsurface Investigation Work Plan prepared by Cambria, your consultant. As a follow-up to my conversation with Cambria, this work plan proposes the installation of one additional on-site monitoring well and the advancement of a number of geoprobe borings within Oak St. next to the existing sanitary and storm drain utilities to explore the potential for preferential pathway migration. The well was requested to clarify the groundwater gradient and to possibly use for groundwater extraction. The well will also indicate whether the dispenser areas are a secondary source of MTBE contamination to groundwater. Therefore, this well should be located down-gradient of borings SB-4 and D-1. To do this, our office recommends this well be moved approximately 20' west of the proposed location. The locations of the geoprobe borings are spaced appropriately to determine if the utilities are acting as preferential pathways, however, it is possible that this may be done possibly with fewer borings than proposed.

Please notify our office prior to performing this field work. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

✓ C: B. Chan, files

Mr. J. Loetterle, Cambria Environmental, 1144 65th St., Suite B, Oakland, CA 94608
SSIwp105FifthSt

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
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May 11, 2000

Ms. Karen Petryna
Equiva Services LLC
PO Box 6249
Carson, CA 90749-6249
STID 3849

RE: Shell, 105 5th Street, Oakland, CA 94607

Dear Ms. Petryna:

Today I reviewed and discussed again with Darryk Ataide of Cambria the Additional Investigation Work Plan dated November 30, 1999. We agreed that soil and groundwater samples would be collected from all three borings, SB-6, SB-7 and MW-4 and tested for the presence of TPH(g), TPH(d), BTEX, MTBE. In addition, if elevated levels of hydrocarbons or MTBE are detected in SB-6 and/or SB-7, they may need to be converted to monitoring well(s).

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

Sincerely,



Larry Seto
Sr. Hazardous Materials Specialist

Cc: Darryk Ataide, Cambria Environmental, 1144 65th Street, Suite B,
Oakland, CA 94608
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

December 14, 1999

Ms. Karen Petryna
Equiva Services LLC
P.O. Box 6249
Carson, CA 90749-6249
STID 3849

RE: Shell, 105 5th Street, Oakland, CA 94607

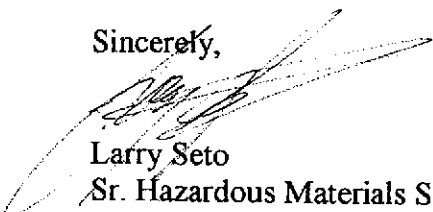
Dear Ms. Petryna:

I have reviewed and discussed with Darryk Ataide of Cambria the Additional Investigation Work Plan dated November 30, 1999 that he prepared. It is acceptable with the condition that the soil and groundwater samples collected during this investigation also be tested for the presence of diesel. This requirement is included because a groundwater sample collected in July 1998 contained 27,000 ppb of TPH (diesel).

In the previous sampling events, the laboratory did not test for the presence of diesel in groundwater. Commencing with the next round of sampling, please include diesel in the laboratory analysis.

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

Sincerely,



Larry Seto
Sr. Hazardous Materials Specialist

Cc: Darryk Ataide, Cambria Environmental, 1144 65th Street, Suite B,
Oakland, CA 94608

Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

November 30, 1999

Ms. Karen Petryna
Equiva Services LLC
PO Box 6249
Carson, CA 90749-6249

RE: Certified List of Record Fee Title Owners

Dear Ms. Petryna:

This letter is to acknowledge that this office has received from Cambria Environmental the Certified List of Record Fee Title Owners for the following sites:

- 1) 610 Market Street, Oakland, CA 94607
- 2) 105 5th Street, Oakland, CA 94607
- 3) 2160 Otis Drive, Alameda, CA 94501

This information will be place in the site file for each location.

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

Sincerely,


Larry Seto
Sr. Hazardous Materials Specialist

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

Files

November 23, 1999

Mr. Larry Seto
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

RE: Relocation of Equiva Services LLC West Coast Administrative Center

Dear Mr. Seto:

Effective December 1, 1999, Equiva Services LLC will relocate its West Coast Administrative Center from Carson, California to Burbank, California. Please send future correspondence that would formerly have gone to the Carson address to the following address:

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

Thank you in advance for your assistance with this address change. Please do not hesitate to contact me if you have any questions.

Sincerely,



Karen Petryna P.E.
Civil Engineer
Equiva Services LLC
Science & Engineering, West Coast
(559) 645-9306
(559) 645-5643 fax
(510) 719-7182 mobile
Email: kepetryna@equiva.com

99 DEC -1 PM 2:43
ENVIRONMENTAL
PROTECTION

C A M B R I A

November 23, 1999

Mr. Larry Seto
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Re: Certified List of Record Fee Title Owners for:
Shell-branded Service Station
105 5th Street
Oakland, CA
Incident No. 98995757

Dear Mr. Seto:

In accordance with section 25297.15(a) of Chapter 6.7 of the Health Safety Code and on behalf of Equiva Services LLC, we certify that the following is a complete list of current record fee title owners and their mailing addresses for the above site.

Arthur R. & Mary A. Hansen, Trs. et al, 820 Loyola Drive, Los Altos, CA 94024

Sincerely,



Ailsa S. Le May, R.G.
Senior Geologist

cc: Karen Petryna, Equiva Services LLC, P.O. Box 6249, Carson, California, 90749-6249
Arthur R. & Mary A. Hansen, Trs. et al, 820 Loyola Drive, Los Altos, CA 94024

Oakland, CA
Sonoma, CA
Portland, OR
Seattle, WA

**Cambria
Environmental
Technology, Inc.**

1144 65th Street
Suite B
Oakland, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

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

October 15, 1999

Ms. Karen Petryna
Equiva Services LLC
P.O. Box 6249
Carson, CA 90749-6249
STID 3849

RE: Shell Station, 105 Fifth Street, Oakland, CA 94607

Dear Ms. Petryna:

I have reviewed the Monitoring Well Installation Report dated October 7, 1999 that was prepared by Cambria Environmental. Groundwater samples collected from the three wells after they were developed contained up to 1,790 ppb benzene, 324,000 ppb MTBE and 13,800 ppb TPH(g). This office concurs with your consultant that further subsurface characterization in the down gradient direction is warranted at this time.

Please submit a workplan to further delineate the extent of release within 45 days.

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

Sincerely,


Larry Seto
Sr. Hazardous Materials Specialist

Cc: Ailsa Le May, Cambria Environmental, 1144 65th Street, Suite B, Oakland,
CA 94608

C A M B R I A

ENVIRONMENTAL
PROTECTION

September 16, 1999

99 SEP 20 PM 4: 13

Larry Seto
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Amended Report

Re: **Quarterly Status Report - Second Quarter 1999**
Shell-branded Service Station
105 5th Street
Oakland, California
Incident No. 98995757

Dear Seto:

On behalf of Equiva Services LLC, Cambria Environmental Technology, Inc. is submitting this letter in accordance with the reporting requirements of 23 CCR 2652d.

Current Quarter's Activities

Three monitoring wells were installed on-site in May, 1999. The monitoring well installation report is forthcoming.

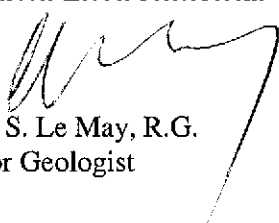
Proposed Activities

On-site monitoring wells were scheduled for quarterly monitoring to begin in the third quarter, 1999.

We appreciate the opportunity to work with you on this project. Please call us if you have any questions.

Sincerely,

Cambria Environmental Technology, Inc.


Ailsa S. Le May, R.G.
Senior Geologist

Oakland, CA
Sonoma, CA
Portland, OR
Seattle, WA

cc: Karen, Equiva Services LLC, P.O. Box 6249, Carson, California, 90749-6249

**Cambria
Environmental
Technology, Inc.**

1144 65th Street
Suite B
Oakland, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

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)

September 16, 1999

Ms. Ailsa S. LeMay, RG
Cambria Environmental Technology
1144-65th Street, Suite B
Oakland, CA 94608

RE: Shell Service Station, 105 Fifth Street, Oakland, CA 94607

Dear Ms. LeMay:

I have received your Quarterly Status Report – Second Quarter 1999. The report identified there was no activities for the second quarter 1999, and no activities are proposed or planned through the fourth quarter 1999. During our telephone conversation today, you informed me that three groundwater monitoring wells were installed in May '99, and will be monitored on a quarterly basis. Please forward to this office an amended report for the Second Quarter 1999.

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

Sincerely,



Larry Seto
Sr., Hazardous Materials Specialist

Cc: Karen Petryna, Equiva Services LLC, P.O. Box 6249, Carson, CA 90749-6249
Files

C A M B R I A

ENVIRONMENTAL
PROTECTION

August 17, 1999

Mr. Larry Seto
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

99 AUG 20 PM 3:36

Re: **Quarterly Status Report - Second Quarter 1999**
Shell-branded Service Station
105 Fifth Street
Oakland, California
Incident No. 98995757

Dear Mr. Seto:

On behalf of Equiva Services LLC, Cambria Environmental Technology, Inc. is submitting this letter in accordance with the reporting requirements of 23 CCR 2652d.

Current Quarter's Activities

No activities are planned or required for the second quarter 1999.

Proposed Activities

No activities are proposed or planned through the fourth quarter 1999.

We appreciate the opportunity to work with you on this project. Please call us if you have any questions.

Sincerely,

Cambria Environmental Technology, Inc.


Ailsa S. Le May, R.G.
Senior Geologist

Oakland, CA
Sonoma, CA
Portland, OR
Seattle, WA

cc: Karen Petryna, Equiva Services LLC, P.O. Box 6249, Carson, California, 90749-6249

**Cambria
Environmental
Technology, Inc.**

1144 65th Street
Suite B
Oakland, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

April 8, 1999

Mr. Alex Perez
Shell Oil Products
P.O. Box 8080
Martinez, CA 94553
STID 3849

RE: Shell Station, 105 Fifth Street, Oakland, CA 94607

Dear Mr. Perez:

I have reviewed the Additional Investigation Work Plan dated March 18, 1999 that was prepared by Cambria Environmental. It is acceptable with the following conditions:

- 1) A minimum of one soil sample from each of the borings will be submitted to the analytical laboratory for chemical analysis
- 2) The investigation report should also include a Recommendations Section

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

Sincerely,



Larry Seto
Sr. Hazardous Materials Specialist

Cc: Troy Buggle, Cambria Environmental, 1144 65th Street, Suite B,
Oakland, CA 94608
Leroy Griffin, City of Oakland-Fire Department, 505-14th Street, 7th Floor,
Oakland, CA 94612

Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

November 24, 1998

Mr. Alex Perez
Shell Oil Products
P.O. Box 8080
Martinez, CA 94553
STID 3849

RE: Shell Station, 105 Fifth Street, Oakland, CA 94607

Dear Mr. Perez:

I have reviewed the Subsurface Investigation Report dated November 18, 1998 prepared by Cambria Environmental for the above site. Groundwater samples collected on July 23, 1998 contained up to 27,000 ppb TPH(d), 90,000 ppb TPH(g), and 1,300 ppb benzene, 490 ppb toluene, 3,500 ppb ethylbenzene, 13,000 xylenes and 1,700 ppb MTBE.

In accordance to Title 23, California Code of Regulations, Article 11, a Soil and Water Investigation must be implemented to define the extent of soil and groundwater contamination. This workplan must be prepared by a State of California -Registered Geologist, Certified Engineering Geologist, or Registered Civil Engineer.

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

Sincerely,



Larry Seto
Sr. Hazardous Materials Specialist

Cc: Darryk Ataide, Cambria Environmental, 1144 65th, Suite B, Oakland, CA 94608
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

June 2, 1998

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

RE: Shell Station, 105 Fifth Street, Oakland, CA 94607

Dear Mr. Perez:

I have reviewed the Subsurface Investigation Workplan dated May 26, 1998 that was prepared by Cambria Environmental. It is acceptable with the condition that a minimum of one sample from each boring will be submitted to the laboratory and analyzed for TPH(g), TPH(d), BTEX and MTBE.

Please notify me at least 72 hours in advance before you begin your investigation. If you have any questions, I can be contacted at (510) 567-6774.

Sincerely,



Larry Seto
Sr. Hazardous Materials Specialist

Cc: Bret Hovland, Shell Oil, P.O. Box 4023 , Concord, CA 94524
Diane Lundquist, Cambria Environmental, 1144-65th St., Suite B,
Oakland, CA 94608

Files

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

Certified Mailer # P 143 588 399

December 11, 1997

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

Mr. Brett Hovland
Shell Oil Products
P.O. Box 4023
Concord, CA 94524
STID 3849

RE: Shell Station, 105 Fifth Street, Oakland, CA 94607

Dear Mr. Hovland:

I have reviewed your **Dispenser Soil Sampling and Stockpile Disposal Report** dated August 7, 1997 that was prepared by Cambria Environmental. Sampling was conducted following the removal of five gasoline dispensers, two diesel fuel dispensers, and associated piping. Up to 14,000 ppm (parts per million) of TEPH-diesel (Total extractable petroleum hydrocarbons), 3,500 ppm TPPH-gas (Total purgable petroleum hydrocarbons), 26 ppm MTBE (methyl tert-butyl ether) and 21 ppm of benzene were detected in the soil samples.

Please submit a subsurface investigation workplan to delineate the vertical and lateral extent of contamination on this site within 45 days of the receipt of this letter.

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

Sincerely,


Larry Seto
Sr. Hazardous Materials Specialist

L. Seto P 143 588 399
#3849

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to Mr. Brett Hovland	
Street & Number Shell Oil Products	
P.O. Box 4023	
Post Office, State, & ZIP Code	
Concord CA 94524	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. Addressee's Address
2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to: #3849 L. Seto <i>105-5114</i> <i>Duke</i> Mr. Brett Hovland Shell Oil Products P.O. Box 4023 Concord CA 94524	4a. Article Number P 143 588 399
5. Received By: (Print Name) <i>DEC 16 1994</i> <i>Bador</i>	4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD
6. Signature: (Addressee or Agent) <i>DEC 15 1994</i> <i>Bador</i> X	7. Date of Delivery <i>DEC 16 1994</i>
	8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

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

Certified Mailer # P 143 588 432

Mr. Brett Hovland
Shell Oil Products
P.O. Box 4023
Concord, CA 94524
STID 3849

Notice of Legal Obligation

RE: Shell Station, 105 Fifth Street, Oakland, CA 94607

Dear Mr. Hovland:

A letter was sent to you from this office dated December 11, 1997, requesting that a subsurface investigation workplan be submitted within 45 days. This workplan was requested after a review of the laboratory results for the soil samples collected during dispensers and piping removal. The samples contained up to 14,000 ppm of TEPH-diesel, 3,500 ppm TPPH-gas, 26 ppm MTBE and 21 ppm of benzene. As of this date, this workplan has not been received.

Please submit this workplan within 10 days of the receipt of this letter.

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

Sincerely,



Larry Seto
Sr. Hazardous Materials Specialist

Cc: Bob Chambers, Alameda County District Attorney's Office, Consumer and
Environmental Protection
Files

L. Seto P 143 588 432
#3849

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

PS Form 3800, April 1995

Sent to Mr. Brett Hovland	
Street & Number P O Box 4023	
Post Office, State, & ZIP Code Concord CA 94524	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Is your RETURN ADDRESS completed on the reverse side?

SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: L. Seto #3849 Mr. Brett Hovland Shell Oil Products P.O. Box 4023 Concord CA 94524		4a. Article Number P 143 588 432	
		4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
5. Received By: (Print Name) <i>[Signature]</i>		7. Date of Delivery 4/28/98	
6. Signature: X		8. Addressee's Address (Only if requested and fee is paid)	

Thank you for using Return Receipt Service.

PS Form 381