

**Wickham, Jerry, Env. Health**

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**Subject:** Schedule for case RO367 at 1784 150th Avenue in San Leandro

Ana,

Based on our telephone discussion today, the schedule for submittal of a Site Investigation Report for the above referenced case is extended to December 19, 2007.

Regards,

*Jerry Wickham*

Alameda County Environmental Health

1131 Harbor Bay Parkway

Alameda, CA 94502-6577

510-567-6791 phone

510-337-9335 fax

[jerry.wickham@acgov.org](mailto:jerry.wickham@acgov.org)

10/26/2007

**Wickham, Jerry, Env. Health**

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**Subject:** R00367 Discontinuation of vac ops at 1784 150th in Oakland

Denis,

As we discussed today, periodic groundwater extraction by vacuum truck operations has not been effective in reducing the concentrations of dissolved hydrocarbons in groundwater at 1784 150th Avenue in Oakland. Therefore, periodic groundwater extraction by vacuum truck may be discontinued at this time. Please document the discontinuation of periodic GWE in the quarterly groundwater monitoring reports for 1784 150th Avenue in Oakland.

Regards,

*Jerry Wickham*

Alameda County Environmental Health

1131 Harbor Bay Parkway

Alameda, CA 94502-6577

510-567-6791 phone

510-337-9335 fax

[jerry.wickham@acgov.org](mailto:jerry.wickham@acgov.org)

8/14/2007

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

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

July 2, 2007

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

Subject: Fuel Leak Case No. RO0000367 and Geotracker Global ID T0600101230, Shell#13-6017, 1784 150<sup>th</sup> Avenue, San Leandro, CA 94578

Dear Mr. Brown:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the documents entitled, "Site Investigation Work Plan," dated June 5, 2007 and "Groundwater Monitoring and Remediation Report – First Quarter 2007," dated May 15, 2007. Both reports were prepared on Shell's behalf by Conestoga-Rovers & Associates. Elevated concentrations of total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tertiary butyl ether (MTBE) are present at elevated concentrations in groundwater both on-site and off-site. The "Site Investigation Work Plan," proposes advancing 6 cone penetration testing borings to complete the horizontal and vertical delineation of contamination and installing 5 soil vapor probes to assess the potential for indoor air vapor intrusion. The proposed scope of work may be implemented provided that the technical comment below is addressed and incorporated during the proposed field investigation. Submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed.

We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

**TECHNICAL COMMENTS**

1. **Groundwater Analyses.** In addition to the proposed analyses for TPHg, BTEX, and MTBE, we request that the groundwater samples also be analyzed for fuel oxygenates, 1,2-dichloroethane, and ethylene dibromide using EPA Method 8260B.

**TECHNICAL REPORT REQUEST**

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

- **November 2, 2007** – Site Investigation Report
- **45 days after 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) 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](http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting)).

#### PERJURY STATEMENT

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

#### PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

Denis Brown  
RO0000367  
March 30, 2007  
Page 3

**UNDERGROUND STORAGE TANK CLEANUP FUND**

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

**AGENCY OVERSIGHT**

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

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

Sincerely,



Jerry Wickham  
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

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

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



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March 30, 2007

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

Subject: Fuel Leak Case No. RO0000367 and Geotracker Global ID T0600101230, Shell#13-6017, 1784 150<sup>th</sup> Avenue, San Leandro, CA 94578

Dear Mr. Brown:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the documents entitled, "Agency Response with Proposed Future Actions," dated February 14, 2007 and "Groundwater Monitoring Report – Third Quarter 2006," dated November 15, 2006. The "Agency Response with Proposed Future Actions," recommends an on-site and off-site CPT investigation, installation and sampling of soil vapor probes, and discontinuation of periodic groundwater extraction from well MW-11. The "Groundwater Monitoring Report – Third Quarter 2006," presents the results of ongoing quarterly groundwater monitoring.

We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

**TECHNICAL COMMENTS**

1. **CPT Investigation.** The "Agency Response with Proposed Future Actions," recommends performing an on-site and off-site CPT investigation to complete the horizontal and vertical delineation of contamination. CPT borings are proposed to depths of approximately 75 feet bgs with collection of groundwater samples from first-encountered groundwater and two deeper water-bearing zones. We concur with the proposal to advance CPT borings on-site and off-site and request that you present detailed plans for the borings in the Work Plan requested below. Please consider the use of ultraviolet induced fluorescence (UVIF) or membrane interface probe (MIP) to evaluate the vertical distribution of free-phase product in the area of well MW-1.
2. **Soil Vapor Sampling.** We concur with the proposal to install and sample soil vapor monitoring probes along the southwestern property boundary and near the on-site building. We request that a minimum of one soil vapor monitoring probe be installed on the northwestern side of 150th Avenue in the area of monitoring well MW-12. Please present plans for the soil vapor monitoring probe installation and sampling in the Work Plan requested below.

3. **Periodic Groundwater Extraction.** The "Agency Response with Proposed Future Actions," recommends evaluation of passive free product removal instead of groundwater extraction from well MW-1. If a separate phase product continues to be observed in well MW-1, please present plans for free product removal from well MW-1 following the proposed CPT investigation. The "Agency Response with Proposed Future Actions," also recommends discontinuation of periodic groundwater extraction from monitoring well MW-11 due to a decrease in MTBE concentrations in groundwater from well MW-11. However, the concentration of MTBE in groundwater from well MW-11 during the most recent groundwater sampling event on December 28, 2006 was 2,600 micrograms per liter ( $\mu\text{g/L}$ ). The concentrations of total petroleum hydrocarbons as gasoline and benzene detected in groundwater from well MW-11 were 76,000  $\mu\text{g/L}$  and 2,700  $\mu\text{g/L}$ , respectively. Therefore, we request that periodic groundwater extraction from well MW-11 be continued.

#### **TECHNICAL REPORT REQUEST**

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

- **June 13, 2007** – Work Plan
- **45 days after 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) 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](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.

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

Sincerely,



Jerry Wickham  
Hazardous Materials Specialist



Denis Brown  
RO0000367  
March 30, 2007  
Page 4

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

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



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FAX (510) 337-9335

November 21, 2006

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

Subject: Fuel Leak Case No. [REDACTED] Shell#13-6019, 1784 150<sup>th</sup> Avenue, San Leandro, CA  
– Schedule Extension

Dear Mr. Brown:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the document entitled "Groundwater Monitoring and Remediation Report – Third Quarter 2006," dated November 15, 2006. The "Groundwater Monitoring and Remediation Report – Third Quarter 2006," presents the results of ongoing quarterly groundwater monitoring and proposes submittal of hydrogeologic cross sections and recommendations of future actions by February 15, 2007. This schedule extension was also discussed and verbally approved by ACEH in a telephone conversation on November 8, 2006.

To confirm the schedule for report submittal, we request that you perform the proposed work and send us the reports described below.

**TECHNICAL REPORT REQUEST**

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

- **45 days following the end of each quarter** – Quarterly Monitoring and Remediation Reports
- **February 15, 2007** – Hydrogeologic Cross Sections and Recommendations for Future Actions

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**

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#### PERJURY STATEMENT

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#### 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.

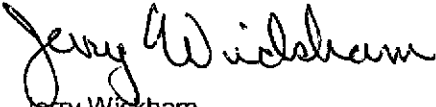
#### AGENCY OVERSIGHT

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.

Denis Brown  
November 21, 2006  
Page 3

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

Sincerely,

A handwritten signature in black ink that reads "Jerry Wickham". The signature is written in a cursive style with a large initial "J".

Jerry Wickham  
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

ALAMEDA COUNTY  
HEALTH CARE SERVICES

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DAVID J. KEARS, Agency Director



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ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
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August 29, 2006

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

Subject: Fuel Leak Case No. ~~XXXXXXXXXX~~ 7, Shell#13-6019, 1784 150<sup>th</sup> Avenue, Oakland, CA

Dear Mr. Brown:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the documents entitled, "First Quarter 2006 Monitoring Report," dated May 1, 2006 and "Subsurface Investigation Report," dated July 26, 2006, and "Underground Storage Tank Removal Report," dated August 4, 2006. The "First Quarter 2006 Monitoring Report," presents the results of ongoing quarterly groundwater monitoring and groundwater extraction from well MW-11. The "Subsurface Investigation Report," presents the results of on and off-site soil and groundwater sampling conducted in May 2006. The "Underground Storage Tank Removal Report," presents results from the removal of a 550-gallon waste oil tank.

We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

**TECHNICAL COMMENTS**

1. **Waste Oil Tank.** Based on the results presented in the "Underground Storage Tank Removal Report," dated August 4, 2006, we concur that no further investigation is required for waste oil constituents.
2. **Hydrogeologic Cross Sections.** Three cross sections were previously presented in the Soil and Water Investigation Report dated August 28, 2003. Please update and expand cross sections A-A' (extending from MW-1 to MW-9) and C-C' (extending from MW-5 to MW-10) to include the information collected during more recent investigations and depict analytical results for soil and groundwater samples. Please revise the cross sections to incorporate data from recent soil borings that depict the lateral and vertical extent of soil layers encountered, the location of the tank pit, where groundwater was first encountered in borings and the static water levels, screen intervals for monitoring wells and grab groundwater samples, observations of free product, staining, and odor, and analytical results for soil and groundwater samples. Please present the cross sections in the Quarterly Monitoring Report for the Third Quarter 2006 requested below.

3. **Sampling Results for Wells MW-12 and MW-13.** Analytical data for wells MW-12 and MW-13 were not available for the "Subsurface Investigation Report," dated July 26, 2006. Please include wells MW-12 and MW-13 in ongoing quarterly monitoring. The results are to be presented in the quarterly monitoring reports requested below.
4. **Recommendations for Future Actions at Site.** Following the review of groundwater sampling data from newly installed wells MW-12 and MW-13 as well as previous results and the Site Conceptual Model (October 11, 2005), please present recommendations for future actions at the site. These recommendations are to be presented in the Quarterly Monitoring Report for the Third Quarter 2006.

### TECHNICAL REPORT REQUEST

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

- **September 15, 2006** – Quarterly Monitoring Report for the Second Quarter 2006
- **November 15, 2006** – Quarterly Monitoring Report for the Third Quarter 2006 including Hydrogeologic Cross Sections and Recommendations
- **February 15, 2007** – Quarterly Monitoring Report for the Fourth Quarter 2006
- **July 11, 2006** – Subsurface Investigation Report

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

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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](http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting)).

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#### PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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#### UNDERGROUND STORAGE TANK CLEANUP FUND

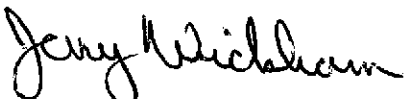
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#### AGENCY OVERSIGHT

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

Sincerely,



Jerry Wickham  
Hazardous Materials Specialist

Denis Brown  
August 29, 2006  
Page 4

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

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

Aubrey Cool  
Cambria Environmental Technology, Inc.  
5900 Hollis Street, Suite A  
Emeryville, CA 94608

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File



<b>Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)</b>	<b>ISSUE DATE:</b> July 5, 2005
	<b>REVISION DATE:</b> May 31, 2006
	<b>PREVIOUS REVISIONS:</b> October 31, 2005, December 16, 2005
<b>SECTION:</b> Miscellaneous Administrative Topics & Procedures	<b>SUBJECT:</b> Electronic Report Upload (ftp) Instructions

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

#### REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection**. (Please do not submit reports as attachments to electronic mail.)
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements **must be included** and have either original or electronic signature.
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:  
RO#\_Report Name\_Year-Month-Date (e.g., RO#5555\_WorkPlan\_2005-06-14)

#### Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

#### Submission Instructions

- 1) Obtain User Name and Password:
  - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
    - i) Send an e-mail to [dehloptoxic@acgov.org](mailto:dehloptoxic@acgov.org)
    - or
    - ii) Send a fax on company letterhead to (510) 337-9335, to the attention of: **ftp Site Coordinator**.
  - b) In the subject line of your request, be sure to include "**ftp PASSWORD REQUEST**" and in the body of your request, include the **Contact Information, Site Addresses, and the Case Numbers (RO# available in Geotracker)** you will be posting for.
- 2) Upload Files to the ftp Site
  - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
    - (i) Note: Netscape and Firefox browsers will not open the FTP site.
  - b) Click on File, then on Login As.
  - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
  - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
  - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
  - a) Send email to [dehloptoxic@acgov.org](mailto:dehloptoxic@acgov.org) notify us that you have placed a report on our ftp site.
  - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name at acgov.org. (e.g., [firstname.lastname@acgov.org](mailto:firstname.lastname@acgov.org))
  - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload)

R0367

**Wickham, Jerry, Env. Health**

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**To:** Friel, Ana**Subject:** RE: 1784 150th Avenue, San Leandro, Extension Request for 2Q06 QMR due 8/1/06

Ana,

Based upon your request, the schedule for submittal of the second quarter monitoring report for case RO367 1784 150th Avenue, Oakland, is extended to August 31, 2006.

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](mailto:jerry.wickham@acgov.org)

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**From:** Friel, Ana [<mailto:afriel@cambria-env.com>]**Sent:** Thursday, July 27, 2006 11:49 AM**To:** Wickham, Jerry, Env. Health**Cc:** denis.l.brown@shell.com; Kreml, Anni; Carter, Brenda; Friel, Ana**Subject:** 1784 150th Avenue, San Leandro, Extension Request for 2Q06 QMR due 8/1/06

Jerry,

The second quarter monitoring event for this site occurred on June 29, and 30<sup>th</sup>, 2006; however, the samples collected on 6/29 were mishandled by Fed-Ex, and arrived at the laboratory in two days instead of overnight, and therefore, the samples were received well above the EPA recommended temperature of 4 degrees Celsius.

Shell authorized the re-sampling of the wells whose samples were affected. The wells were re-sampled on July 6<sup>th</sup>, and Cambria is not yet in receipt of that data. Therefore, on behalf of Shell, we are **requesting an extension** for the submittal of the second quarter report from August 1, 2006 to **August 31, 2006**.

We appreciate your consideration of this request.

**Ana Friel, PG****Associate Geologist****Cambria Environmental Technology, Inc.**[afriel@cambria-env.com](mailto:afriel@cambria-env.com)

p (707) 268-3812

f (707) 268-8180

c (707) 845-4066

7/27/2006

**Wickham, Jerry, Env. Health**

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**To:** Gibbs, David

**Subject:** RE: 1784 150th Report extension request

Dave,

Based on your request, the schedule for submittal of the Site Investigation Report for case R0367 at 1784 150th Avenue in San Leandro is extended to July 28, 2006.

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](mailto:jerry.wickham@acgov.org)

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**From:** Gibbs, David [<mailto:dgibbs@Cambria-env.com>]

**Sent:** Wednesday, June 28, 2006 9:50 AM

**To:** Wickham, Jerry, Env. Health

**Subject:** 1784 150th Report extension request

Jerry,

As I told you when requesting the extension for the 4411 Foothill in Oakland investigation report, equipment problems at the laboratory delayed our receipt of some analytical results. As a result, we are delayed in putting together the report for the investigation at 1784 150<sup>th</sup> in San Leandro which has a due date of July 11<sup>th</sup>. This email is a request to extend the due date for this report to July 28<sup>th</sup>.

Sincerely,

Dave Gibbs

*David M. Gibbs, P.G.*

*Project Manager*

*Cambria Environmental Technology, Inc.*

*5900 Hollis Street, Suite A*

*Emeryville, CA 94608*

*510.420.3363 tel*

*510.385.0269 mobile*

*510.420.9170 fax*

*[dgibbs@Cambria-env.com](mailto:dgibbs@Cambria-env.com)*

R0367

**Wickham, Jerry, Env. Health**

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**From:** Gibbs, David [dgibbs@Cambria-env.com]  
**Sent:** Friday, May 19, 2006 2:31 PM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Cool, Aubrey; Denis Brown  
**Subject:** Field Work Notification-1784 150th, San Leandro

Jerry,

The subsurface investigation field work at the subject site is scheduled to begin on the morning of May 23rd. The project consists of the advancement of soil borings and the installation of one on-site and two off-site groundwater monitoring wells. The work should be entirely complete by the end of the day, May 26th. The last time we discussed this project I told you about the waste oil tank removals and the intention of over-excavating the area around that tank prior to conducting this investigation. Due to scheduling difficulties, the two activities are now going to occur simultaneously and our scope of work will not be altered.

Please feel free to contact me if you have any questions.

Sincerely,  
Dave Gibbs

*David M. Gibbs, P.G.  
Project Manager  
Cambria Environmental Technology, Inc.  
5900 Hollis Street, Suite A  
Emeryville, CA 94608  
510.420.3363 tel  
510.385.0269 mobile  
510.420.9170 fax  
dgibbs@Cambria-env.com*

5/19/2006

**Wickham, Jerry, Env. Health**

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**From:** Wickham, Jerry, Env. Health  
**Sent:** Tuesday, March 07, 2006 11:12 AM  
**To:** 'Gibbs, David'  
**Subject:** RE: 1784 150th, San Leandro Updated Soil Boring Location Map

Dave,

As we discussed by phone today, I concur with the installation of shallow groundwater monitoring wells at SB-22, SB-24, and SB-25. Installation of a shallow monitoring well at location SB-20 is not required at this time.

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](mailto:jerry.wickham@acgov.org)

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**From:** Gibbs, David [<mailto:dgibbs@Cambria-env.com>]  
**Sent:** Wednesday, March 01, 2006 11:33 AM  
**To:** Wickham, Jerry, Env. Health  
**Subject:** 1784 150th, San Leandro Updated Soil Boring Location Map

Jerry,

As discussed in our February 27<sup>th</sup> phone call, attached is the updated map for the proposed investigation at the subject site. Boring SB-25 has been relocated across 150<sup>th</sup> Avenue, between off-site wells MW-7 and MW-8. Shallow groundwater monitoring wells are proposed at borings SB-22, SB-24, and SB-25.

Please reply with your concurrence with this amendment to the proposed investigation or with any requested modifications.

Sincerely,  
Dave Gibbs

*David M. Gibbs, P.G.*  
*Project Manager*  
*Cambria Environmental Technology, Inc.*  
*5900 Hollis Street, Suite A*  
*Emeryville, CA 94608*  
*510.420.3363 tel*  
*510.385.0269 mobile*  
*510.420.9170 fax*  
*[dgibbs@Cambria-env.com](mailto:dgibbs@Cambria-env.com)*

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

March 3, 2006

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

Subject: Fuel Leak Case No. [REDACTED] Shell#13-6019, 1784 150<sup>th</sup> Avenue, Oakland, CA –  
Work Plan Approval

Dear Mr. Brown:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the document entitled, "Subsurface Investigation Work Plan," dated January 9, 2006. A work plan amendment, consisting of a revised map and "Standard Field Procedures for Installing Monitoring Wells," was received by electronic mail on February 28, 2006 and March 1, 2006. Five on-site borings (SB-19 through SB-23) are proposed to investigate the horizontal and vertical extent of fuel hydrocarbons in soil. Two off-site borings (SB-24 and SB-25) are proposed to investigate the horizontal and vertical extent of fuel hydrocarbons in soil and groundwater within the upper 35 feet. ACEH concurs with the proposed scope of work provided that the technical comment 1 below is addressed during the field investigation.

We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

**TECHNICAL COMMENTS**

1. **Shallow Monitoring Wells.** Shallow monitoring wells to monitor a clayey gravel layer typically encountered between approximately 20 and 25 feet below ground surface (bgs) are to be installed at selected boring locations. ACEH requests that shallow monitoring wells be installed at proposed boring locations SB-20, SB-22, SB-24, and SB-25.
2. **Volatile Organic Compounds in Shallow Soil and Groundwater.** Benzene and other volatile organic compounds have previously been detected at elevated concentrations in soil, soil vapor, and groundwater at various sampling locations across the site. If benzene or other VOCs are detected in soil or groundwater samples collected from the proposed soil and groundwater sampling locations at concentrations that exceed applicable screening levels for potential indoor vapor intrusion, additional soil vapor sampling will be required. Please evaluate the potential for indoor vapor intrusion at the site and off-site locations and present recommendations regarding soil vapor sampling in the Subsurface Investigation Report requested below.

### TECHNICAL REPORT REQUEST

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

- **May 1, 2006** – Quarterly Monitoring Report for the First Quarter 2006
- **July 11, 2006** – Subsurface Investigation Report

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

### ELECTRONIC SUBMITTAL OF REPORTS

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

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

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

### PERJURY STATEMENT

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

Denis Brown  
March 3, 2006  
Page 3

**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**

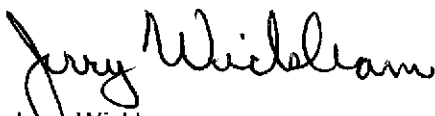
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

**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.

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: David Gibbs  
Cambria Environmental Technology, Inc.  
5900 Hollis Street, Suite A  
Emeryville, CA 94608

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



7

ENVIRONMENTAL HEALTH SERVICES

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

October 26, 2005

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

Subject: Fuel Leak Case No. [REDACTED] Shell#13-6019, 1784 150<sup>th</sup> Avenue, Oakland, CA –  
Request for Work Plan

Dear Mr. Brown:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the document entitled, "Site Conceptual Model," dated October 11, 2005. The Site Conceptual Model (SCM) summarizes the site background, history, geology, hydrogeology, and investigation results to date for the site. The SCM also presents conclusions and recommendations for future actions. ACEH requests that you prepare a work plan to implement the recommended data collection activities identified in the SCM and the technical comments below.

We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

**TECHNICAL COMMENTS**

1. **Groundwater Monitoring.** ACEH concurs with the recommendation to continue groundwater monitoring. Please present your results in the quarterly groundwater monitoring reports requested below.
2. **Continued Groundwater Extraction from Well MW-11.** ACEH concurs with the recommendation to continue groundwater extraction from well MW-11. Please summarize the groundwater extraction activities in the quarterly monitoring reports requested below.
3. **Boring Installation and Grab Groundwater Sample Collection.** ACEH concurs with the recommendation to install a boring and collect grab groundwater samples adjacent to monitoring well MW-9 to evaluate the differences in results between SB-14 and MW-9. However, we request that the soil boring and grab groundwater sampling be continued down to the total depth of MW-9, which is 35 feet below ground surface (bgs), rather than 22 feet bgs. The purpose of extending the boring to 35 feet bgs is to assess the concentration of fuel hydrocarbons in the lower water-bearing layer in which well MW-9 is screened.

4. **Additional Sampling in Source Areas.** ACEH concurs with the recommendation to conduct additional lateral and vertical definition of contamination in assumed source areas. Please propose sampling activities to achieve improved lateral and vertical definition of contamination in the Work Plan requested below.
5. **Corrective Action Plan.** ACEH concurs with the recommendation to complete a corrective action plan. Please propose a schedule for completing the corrective action plan in the Work Plan requested below.

#### **TECHNICAL REPORT REQUEST**

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

- **January 13, 2006** – Work Plan
- **February 1, 2006** - Quarterly Monitoring Report for the Fourth Quarter 2005
- **May 1, 2006** – Quarterly Monitoring Report for the First Quarter 2006

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

#### **ELECTRONIC SUBMITTAL OF REPORTS**

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) now request submission of reports in electronic form. The electronic copy is intended to replace the need for a paper copy and is expected to 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 Instructions." 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. 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 monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). Please visit the State Water Resources Control Board for more information on these requirements ([http://www.swrcb.ca.gov/ust/cleanup/electronic\\_reporting](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

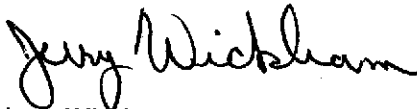
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

#### 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.

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: David Gibbs, Cambria Environmental Technology, Inc., 5900 Hollis Street, Suite A,  
Emeryville, CA 94608

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

R0367

**Wickham, Jerry, Env. Health**

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**From:** Wickham, Jerry, Env. Health  
**Sent:** Monday, October 03, 2005 3:58 PM  
**To:** Gibbs, David; 'Brown, Denis L SOPUS-OP-COR-H'  
**Subject:** Schedule extension 1784 150th San Leandro

In order to provide sufficient time for review of the Site Conceptual Model (SCM) for the above referenced site, the submittal date for the SCM is extended to October 12, 2005.

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](mailto:jerry.wickham@acgov.org)

10/3/2005

**Wickham, Jerry, Env. Health**

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**From:** Wickham, Jerry, Env. Health  
**Sent:** Friday, September 16, 2005 3:08 PM  
**To:** 'Gibbs, David'  
**Cc:** Denis Brown; Derby, Matt  
**Subject:** RE: 1784 150th, San Leandro SCM Submittal Extension

Dave,

The date for submittal of the Site Conceptual Model for the above referenced site is extended to October 3, 2005.

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](mailto:jerry.wickham@acgov.org)

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**From:** Gibbs, David [<mailto:dgibbs@Cambria-env.com>]  
**Sent:** Friday, September 16, 2005 12:22 PM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Denis Brown; Derby, Matt  
**Subject:** 1784 150th, San Leandro SCM Submittal Extension

Jerry,

In your letter dated July 21, 2005, you requested that we submit a Site Conceptual Model for the above referenced site by September 21, 2005. As we discussed earlier today, I would like to request an extension until October 3, 2005 for submittal of the SCM in order to provide sufficient time for Shell review of the document.

Thank you for considering this request. I would be pleased to discuss this further if there are any questions.

Sincerely,  
Dave Gibbs

*David M. Gibbs, P.G.*  
*Project Geologist*  
*Cambria Environmental Technology, Inc.*  
*5900 Hollis Street, Suite A*  
*Emeryville, CA 94608*  
*510.420.3363 tel*  
*510.385.0269 mobile*  
*510.420.9170 fax*  
*dgibbs@cambria-env.com*

9/16/2005

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



7

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(510) 567-6700  
FAX (510) 337-9335

July 21, 2005

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

Subject: Fuel Leak Case No. R00000007, Shell#13-6019, 1784 150<sup>th</sup> Avenue, Oakland, CA

Dear Mr. Brown:

Alameda County Environmental Health (ACEH) staff has reviewed the case file and the documents entitled, "Interim Remediation Report," dated June 23, 2005, "First Quarter 2005 Monitoring Report," dated June 9, 2005, and "Dispenser and Piping Upgrade Sampling Report," dated June 1, 2005. All reports were prepared on your behalf by Cambria Environmental Technology, Inc. The "Interim Remediation Report" presents the results of dual phase extraction conducted temporarily at the site in November 2004. The report also recommends the preparation of a site conceptual model (SCM). Preparation of a SCM was also discussed during a meeting between Shell, Cambria, and ACEH conducted on June 8, 2005. ACEH encourages the use of an electronic SCM format. Please contact me to obtain examples of an electronic SCM format, if needed.

The "First Quarter 2005 Monitoring Report" presents the results of groundwater sampling conducted in March 2005. ACEH is concerned that elevated concentrations of total petroleum hydrocarbons (TPHg) continue to be detected off-site.

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

**TECHNICAL COMMENTS**

1. **Preparation of Site Conceptual Model.** ACEH concurs with the recommendation to prepare a site conceptual model (SCM). The SCM for this project is to incorporate, but not be limited to, the following:
  - A. A concise narrative discussion of the regional geologic and hydrogeologic setting. Include a list of technical references you reviewed.
  - B. A concise discussion of the on-site and off-site geology, hydrogeology, release source and history, secondary source areas, remediation status, risk assessment, plume migration, attenuation mechanisms, preferential pathways, and potential threat to downgradient receptors. The SCM shall include an analysis of the hydraulic flow system at and downgradient from the site, including potential vertical hydraulic gradients.
  - C. Local and regional maps showing location of sources, extent of soil and groundwater contamination for appropriate depth intervals (i.e., an interpretive drawings and isoconcentration maps—not a plot of laboratory results), rose diagram of recent and

historical groundwater gradients, and locations of receptors. "Receptors" include, but are not limited to, all supply wells and surface water bodies within 2,000 feet of the source area, and all potentially impacted schools, hospitals, daycare facilities, residences, and other areas of heightened concern for vapor impact.

- D. Geologic cross-sections (parallel and perpendicular to the contaminant plume axis) which include subsurface geologic features, depth to groundwater, man-made conduits, soil boring and sampling locations, monitoring well construction, and an interpretive drawing of the vertical extent of soil and groundwater contamination (i.e., an interpretive drawing—not a plot of laboratory results).
  - E. Temporal changes in the plume location and concentrations are also a key element of the SCM. In addition to providing a measure of the magnitude of the problem, these data are often useful to confirm details of the flow system inferred from the hydraulic head measurements.
  - F. Exposure evaluation flowchart (similar to Figure 2 in ASTM's Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites) and/or a graphical SCM (similar to Figure 1 in the Central Valley Regional Water Quality Control Board's Appendix A – Reports, Tri - Regional Board Staff Recommendations For Preliminary Investigation And Evaluation Of Underground Tank Sites, 16 April 2004).
  - G. Plots of chemical concentrations vs. time and vs. distance from the source. Plots should be shown for each monitoring well, which has had detectable levels of contaminants.
  - H. Summary tables of chemical concentrations in each historically sampled media (including soil, groundwater and soil vapor).
  - I. Boring and well logs (including construction/screening), and a summary table indicating construction specifications for each monitoring and extraction well.
  - J. Identification and listing of specific data gaps that require further investigation during subsequent phases of work.
  - K. Proposed activities to investigate and fill data gaps identified above.
2. **Interim Remediation.** Operation of the temporary groundwater extraction system has apparently been discontinued due to permitting issues. ACEH requests that interim remediation using groundwater extraction be continued for the site. Please include plans to implement interim remediation or verification that interim remediation has been implemented with the SCM requested below.
  3. **Evidence of Potential Multiple Releases.** This site was initially investigated due to a petroleum release that was discovered in 1986. During recent upgrade activities, total petroleum hydrocarbons as gasoline (TPHg) were detected in 11 soil samples at concentrations up to 4,100 mg/kg. Therefore, the effects of potential for multiple releases are to be included in the SCM. Specifically, the adequacy of existing site data to evaluate contaminant distribution from multiple releases and recent releases is to be considered.
  4. **Hydraulic Gradient.** The hydraulic gradient for the site has appeared to vary between southeast and northwest as shown on the rose diagram on Figure 2 of the First Quarter 2005 Monitoring Report and based on review of previous groundwater elevation contour maps. Groundwater elevations measured in well MW-6 appear to be have been excluded as anomalous data during some events but included in evaluating groundwater elevations in historic events. The groundwater elevations in well MW-6 should be consistently excluded in

Mr. Denis Brown  
July 21, 2005  
Page 4

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

#### **UNDERGROUND STORAGE TANK CLEANUP FUND**

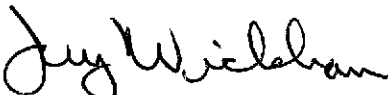
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

#### **AGENCY OVERSIGHT**

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

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

Sincerely,



Jerry Wickham, P.G.  
Hazardous Materials Specialist

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

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File



**Chu, Eva, Env. Health**

---

**From:** Chu, Eva, Env. Health  
**Sent:** Monday, September 22, 2003 7:51 AM  
**To:** 'mmunz@cambria-env.com'  
**Subject:** RE: 1784 150th Avenue, San Leandro, CA - request to extend drilling start date

the extension to November 22, 2003 to implement workplan is approved. eva

-----Original Message-----

**From:** Melody Munz [mailto:mmunz@cambria-env.com]  
**Sent:** Saturday, September 20, 2003 11:36 AM  
**To:** eva chu (E-mail)  
**Cc:** Karen Petryna (E-mail)  
**Subject:** 1784 150th Avenue, San Leandro, CA - request to extend drilling start date

Dear eva,

Thank you for the approval letter and for responding to my message regarding the recommended well screen interval. In your letter you indicated that the field work should start by November 10, 2003. I would like to request an extension to start field work on November 22, 2003.

Please advise via return email whether this extension is acceptable.

Yours truly,

Melody Munz  
Project Engineer

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

RO0000367

September 17, 2003

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

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

RE: Work Proposal Approval for 1784 150<sup>th</sup> Ave, San Leandro, CA

Dear Ms. Petryna:

I have completed review of Cambria Environmental Technology, Inc's August 10, 2003 *Soil and Water Investigation Work Plan* report prepared for the above referenced site. This report documented the advancement of seven soil borings to better define the extent of the contaminant plume off-site to the west and northwest of the site, and to determine the best locations and well screen intervals for additional monitoring wells.

Based on the data collected from this phase of investigation, Cambria proposed to install two additional monitoring wells, MW-9 and MW-10, and to install two soil borings, SB-17 and SB-18. And wells MW-7 and MW-8, which were paved over, will be uncover and made accessible for sampling. Cambria's proposal is acceptable.

However, I do not concur that a shorter-screened well is not necessary near MW-2. The boring log for well MW-2 indicates there is 30% fine to coarse sand from 20 feet bgs with gravel to 1" at 25 feet bgs, yet the well is screened from 25 to 45 feet bgs. Please installed another well adjacent to MW-2, but screened from approximately 15 to 25 feet bgs. Too long a screen interval will diluted water samples and may not be representative of groundwater quality. Field work should commence within 45 days of the date of this letter, or by **November 10, 2003**. Please provide 72 hours advance notice of field activities.

At this time, you may decrease the sampling frequency of well MW-3 from a quarterly to an annual basis. Groundwater sampling should occur in the first quarter of each year.

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

eva chu  
Hazardous Materials Specialist

email: Melody Munz, Cambria  
c: Donna Drogos

shell(150Ave)-2

Ro-367

**Chu, Eva, Env. Health**

---

**From:** Chu, Eva, Env. Health  
**Sent:** Friday, August 22, 2003 3:17 PM  
**To:** 'mmunz@cambria-env.com'  
**Subject:** RE: 1784 150th Avenue, San Leandro - Subsurface Investigation Report

The extension to Sep 5, 2003 for the submittal of the report is granted. eva

-----Original Message-----

From: Melody Munz [mailto:mmunz@cambria-env.com]  
Sent: Friday, August 22, 2003 2:30 PM  
To: eva chu (E-mail)  
Cc: Karen Petryna (E-mail); Matt Derby (E-mail); diane lundquist (E-mail)  
Subject: 1784 150th Avenue, San Leandro - Subsurface Investigation Report

Dear eva,

I am writing to request an extension to September 5 for submittal our Subsurface Investigation Report for the work conducted at 1784 150th Avenue, San Leandro between June 23 and June 26, 2003. Please let me know via return email whether you concur with this extension.

Regards,  
Melody

## Chu, Eva, Env. Health

---

**From:** Stewart Dalie [sdalie@cambria-env.com]  
**Sent:** Friday, June 20, 2003 10:26 AM  
**To:** echu@co.alameda.ca.us  
**Cc:** mmunz@cambria-env.com  
**Subject:** 1784 150th Street, San Leandro, Ca.

Dear Ms. Chu:

Per your May 5th, 2003 Work Plan approval letter for the above referenced site, Cambria is notifying you 72 hours prior to the start of field activities. Cambria will be on site and begin work at approximately 9:00 A.M, Tuesday, June 24th, 2003. City encroachment permit restrictions for working in the public right-of-way are between the hours of 9:00 A.M. and 3 P.M., daily.

Stu Dalie  
Staff Scientist  
Cambria Environmental  
5900 Hollis Street, Suite A  
Emeryville, Ca 94608  
(510) 420-3339 work  
(510) 390-1406 work cell  
(510) 420-9170 fax  
sdalie@cambria-env.com e-mail

## Chu, Eva, Env. Health

---

**From:** Melody Munz [mmunz@cambria-env.com]  
**Sent:** Monday, May 19, 2003 2:17 PM  
**To:** eva chu (E-mail)  
**Cc:** Karen Petryna (E-mail); Matt Derby (E-mail); diane lundquist (E-mail)  
**Subject:** 1784 150th Street, San Leandro - Subsurface Investigation, Sample Frequency Reduction and paved-over wells



prop-bor-2-03.pdf

Dear eva,

I am writing to confirm our telephone conversation regarding Cambria's March 10, 2003 Subsurface Investigation Work Plan and your May 5, 2003 conditional approval letter. The purpose of the proposed investigation is to further delineate the horizontal and vertical extent of the plume. The results of the investigation will be used to determine new well locations (if required) and the optimal screen interval to intercept the plume.

In our March 10, 2003 work plan and well screen interval evaluation report, we proposed to install five offsite and one onsite Geoprobe borings, collecting soil samples at 5-foot intervals to the depth of groundwater and grab-groundwater samples from each boring. Your May 5, 2003 letter approved this approach with the added requirement to collect soil samples below groundwater to at least 40 fbg and requested two additional borings.

It is understood that saturated soil sample results will serve for qualitative evaluation of the depth limits of the plume, but that we will not be expected to include saturated soil results in future risk assessments. Cambria agreed to install the additional soil boring in Portofino Circle, but noted that the boring requested to the northwest, along 150th Avenue would not be possible due to utility obstructions and the freeway offramp. It was agreed that we would not install that boring, however we will use the the the results of the proposed investigation to assess the need for further investigation in this area.

In summary, Cambria will advance a total of one onsite and seven offsite borings as shown in the attached figure dated 5/19/03. We will collect soil samples at approximately five-foot intervals and/or based on field observations (including changes in color, odor, stratigraphy) to approximately 15 feet below the current groundwater level and one grab-groundwater sample from each boring. The field work is scheduled for June 24 through 27, 2003.

I would also like to follow up our earlier request to reduce analysis for Volatile Organic Compounds (VOC) at the site. As noted in the third quarter 2002 and first quarter 2003 monitoring reports, groundwater from wells MW-1, MW-2 and MW-3 has been analyzed annually for VOCs by EPA Method 8260B since 1995. Given that concentrations are typically below or very near the method detection limits for all wells except MW-3, in the Third Quarter 2002 Monitoring Report, Cambria proposed to reduce annual (January) analysis for VOCs to include well MW-3 only. Can you please advise whether you accept this proposal.

Finally, I would like to note that two offsite monitoring wells, MW-7 and MW-8, have been paved over during recent road resurfacing operations by the City of San Leandro Engineering and Transportation. Prior to the resurfacing operations, Cambria marked the wells and brought the existence of the wells to the attention of Mr. Victor Lemon of the City of San Leandro Engineering and Transportation department. He assured Cambria that the wells would be not be paved over. Since these wells are included in

the quarterly monitoring schedule, Cambria will use the top-of-casing survey data to locate the wells and uncover them prior to the next sampling event.

I look forward to hearing from you regarding the request to reduce annual VOC sampling to MW-3 only. If there are any questions regarding the scheduled work or the wells that need to be uncovered, please contact me.

Yours truly,

Melody Munz  
Project Engineer  
Cambria Environmental Technology, Inc  
5900 Hollis Street, Suite A  
Emeryville, CA 94608  
(510) 420-3324

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

RO0000367

May 5, 2003

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

RE: Work Plan Approval for 1784 150<sup>th</sup> Ave, San Leandro, CA

Dear Ms. Petryna:

I have completed review of Cambria Environmental Technology, Inc's March 10, 2003 *Soil and Water Investigation Work Plan and Well Screen Interval Evaluation* report prepared for the above referenced site. Cambria proposed to advance a total of six Geoprobe® soil borings to define the extent of the chemical plume west and northwest of the site. The work plan is acceptable with the following additions/changes:

- Soil samples should also be collected from changes in lithology for field screening, and possibly for laboratory analysis.
- Each boring should be advanced below first encountered water to at least 40 feet bgs to delineate the vertical extent of soil/water contamination. Select soil samples below groundwater elevation should also be submitted for laboratory analysis.
- Two additional borings are recommended; one approximately 25 feet northwest of SVS-9 (on 150<sup>th</sup> Ave) and another near BH-5 (on Portofino Circle).

If you concur with the above, please acknowledge. Field work should commence within 60 days of the date of this letter, or by July 7, 2003. An investigation report (that is due 60 days upon completion of field activities) should include geologic cross-sections. Based on site lithology and other site data, a determination will be made if a well with a shorter screen interval is required near well MW-2.

Please provide 72 hours advance notice of field activities. If you have any questions, I can be reached at (510) 567-6762 or by email at echu@co.alameda.ca.us.

eva chu  
Hazardous Materials Specialist

email: Melody Munz, Cambria  
c: Donna Drogos

shell(150Ave)-1

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

December 19, 2002

RO 367

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

RE: Shell Station, 1784 – 150<sup>th</sup> Avenue, San Leandro - Request for Soil and Water Investigation  
Workplan

Dear Ms. Petryna:

The case file for the referenced site was recently reviewed, up to and including the November 18, 2002 Cambria Environmental Technology report documenting the completion of wells MW-7 and MW-8, and soil boring SB-9, in locations directly across 150<sup>th</sup> Avenue from the subject site.

These locations are adjacent to the rear yards of a housing development located on Portofino Drive and Portofino Court.

Groundwater samples collected at the time of boring advancement revealed elevated concentrations of fuel hydrocarbons in each sampling location. Up to 2200 micrograms per liter (ug/l) of Benzene and 83,000 ug/l Total Petroleum Hydrocarbons as Gasoline (TPH-G), among other fuel constituents present, were identified in water sampled from SB-9 and MW-8, respectively. The extent of the release from the subject site has not yet been adequately defined within the referenced housing development, as well as northeast of MW-7, towards Freedom Avenue.

Please direct your consultant to prepare a workplan for the next phase of the continuing Soil and Water Investigation (SWI). The scope of this SWI workplan must include, at a minimum, investigation of Portofino Drive and Portofino Circle, and up 150<sup>th</sup> Avenue towards Freedom Avenue. You may decide to address this phase of work in a two-pronged approach, using push-tool technology to advance temporary sampling points first, followed by the installation of permanent monitoring wells.

This workplan shall also present a plan to evaluate, and replace where necessary, any excessively long-screened wells (>10' lengths) that were installed in years past in critical locations, but which now do not appear to meet current standards for appropriate construction of wells meant to assess fuel releases.

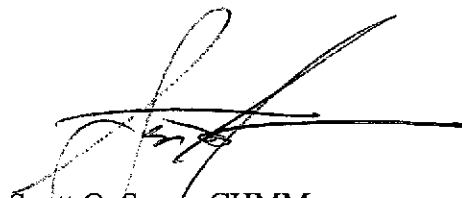
The cited SWI workplan is due within 60 days of the date of this letter, and shall be submitted under Shell Products US cover.



Ms. Karen Petryna  
Re: 1784 – 150<sup>th</sup> Ave., San Leandro  
December 19, 2002  
Page 2 of 2

Thank you in advance for the submittal of the requested workplan. Please contact me at (510) 567-6783 should you have any questions.

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Roger Brewer, RWQCB  
Robert Weston, ACDEH  
Melody Munz, Cambria Env. Technology, Inc., 1144-65<sup>th</sup> St., Ste. B, Oakland, CA 94608

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



October 22, 2002

RO 367

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

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

RE: Shell Station, 1784 – 150<sup>th</sup> Avenue, San Leandro - Request for Total Fuel Oxygenate Analyses

Dear Ms. Petryna:

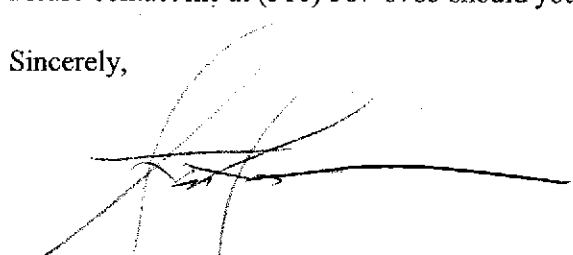
The case file for the referenced site was recently reviewed, up to and including the September 2002 Cambria Environmental Technology second quarter 2002 monitoring report. This review was primarily conducted to identify the current suite of target compounds sought in water samples collected from the various wells within the network. Our review revealed that a number of potential fuel oxygenates may not have been sought historically from samples collected from these wells.

Please direct your consultant to analyze all samples collected during the next scheduled sampling event for the presence of total fuel oxygenates (MtBE, TAME, EtBE, DIPE, and TBA) and lead scavengers (EDB and 1,2-DCA / EDC) using EPA Method 8260. Such expanded analyses may be required to continue depending upon what is found.

In addition, you are reminded that all reports for this case, *as well as all other Shell Oil Products US cases*, are to be submitted under Shell Oil Products US cover that is signed, under penalty of perjury, by the official Shell Oil Products US project representative.

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

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB  
Robert Weston, ACDEH  
Jacquelyn Jones, Cambria Env. Technology, Inc., 1144-65<sup>th</sup> St., Ste. B, Oakland, CA 94608

**Seery, Scott, Env. Health**

**From:** Melody Munz [mmunz@cambria-env.com]  
**Sent:** Monday, September 30, 2002 6:10 PM  
**To:** Scott O. Seery CHMM (E-mail)  
**Cc:** Karen Petryna (E-mail); Matt Derby (E-mail); Diane Lundquist (E-mail); Stuart Dalie (E-mail)  
**Subject:** 1784 150th Street, San Leandro - Subsurface Investigation October 3 & 4, 2002

Dear Mr. Seery:

Further to our telephone conversations earlier today regarding the field work scheduled for Thursday and Friday, October 3 and 4 (this week), Cambria confirms that we will advance soil borings at the locations identified as proposed monitoring wells (MW-7 and MW-8) in our September 16, 2002 Subsurface Investigation. The borings will be logged continuously for lithologic description. The lithologic data will be used to determine whether further soil borings are necessary to identify suitable monitoring well locations. Otherwise, if sufficient data is obtained and with your approval, we will determine the optimum interval to screen and complete monitoring wells in these locations.

I will contact you on Thursday as information becomes available from the field. In the meantime, if there are any questions regarding this site, please contact me at (415) 420-3324. Please note I will be out of the office on Tuesday and Wednesday, however I will be checking messages on Wednesday.

Regards,

Melody

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



August 28, 2001

STID 768

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

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

RE: SHELL STATION, 1784 - 150TH AVENUE, SAN LEANDRO

Dear Ms. Petryna:

The July 31, 2001 Cambria Environmental Technology, Inc. (Cambria) *Offsite Monitoring Well Installation Work Plan* for the continued assessment of the underground storage tank release at the subject site has been reviewed. This work plan calls for the installation of two new wells (designated MW-5 and MW-6), one of which (MW-6) will be completed within the adjoining townhouse development located directly south of the site.

The revised work plan is accepted with the following condition:

- Sampling of completed wells shall not occur any sooner than 24 hours following well development, no matter what development technique is employed.

We expect that this workplan will be implemented within 45 days.

Please contact me at (510) 567-6783 when field work has been scheduled.

Sincerely,

Scott O. Seery, CHMM  
Hazardous Materials Specialist

c: Chuck Headlee, RWQCB  
Melody Munz, Cambria Env. Technology, Inc., 1144-65<sup>th</sup> St., Oakland, CA 94608

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

June 18, 2001

STID 768

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

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

RE: SHELL STATION, 1784 - 150TH AVENUE, SAN LEANDRO

Dear Ms. Petryna:

This letter is sent in follow-up to a recent meeting with Mr. Chuck Headlee, California Regional Water Quality Control Board, San Francisco Bay region (RWQCB). This meeting was convened to discuss the results of the historic, multi-phase environmental investigations associated with the fuel release(s) at the subject site. Topics of our discussion included the results of the Tier II Risk-Based Corrective Action (RBCA) evaluation and the Corrective Action Plan (CAP) reported and proposed, respectively, by your consultant, Cambria Environmental Technology, Inc. (Cambria), in their September 17, 1999 RBCA report.

The RWQCB and this office have determined that additional wells are necessary to properly define the extent of the dissolved gasoline plume, and to monitor long-term plume stability. At a minimum at this time, one well is required in the area of previously-proposed well MW-7, and another well is required in the area of soil vapor sample points SVS-15/16. The latter well location is within the townhouse development that adjoins the subject site to the south.

At this time, please have your consultant prepare and submit a workplan for the referenced well installations. This workplan is due with 45 days of the date of this letter.

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

Sincerely,

Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB  
Stephan Bork, Cambria Env. Technology, Inc., 1144-65<sup>th</sup> St., Ste. B, Oakland, CA 94608

505  
768

# C A M B R I A

November 23, 1999

Mr. Tom Berkins  
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  
1784 150th Ave.  
San Leandro, CA  
Incident No. 98996068



Dear Mr. Berkins:

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.

Equilon Enterprises LLC c/o Stewart Title Guaranty Company, 1980 Post Oak Blvd.,  
Suite 110, Houston, TX 77056

Sincerely,

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

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

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

99 NOV 29 PM 4: 56  
ENVIRONMENTAL PROTECTION

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



May 4, 1999

STID 768

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

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

RE: Shell Service Station, 1784-150<sup>th</sup> Avenue, San Leandro

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: 1784-150<sup>th</sup> Ave., San Leandro

May 4, 1999

Page 2 of 2

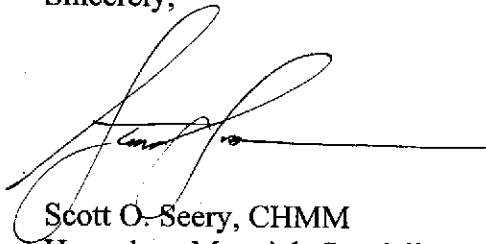
In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

- 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



SAMPLE LETTER (2): LIST OF LANDOWNERS FORM

---

Name of local agency  
Street address  
City

SUBJECT: CERTIFIED LIST OF RECORD FEE TITLE OWNERS FOR (*Site Name and Address*)

(Note: Fill out item 1 if there are multiple site landowners. If you are the sole site landowner, skip item 1 and fill out item 2.)

1. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (*name of primary responsible party*), certify that the following is a complete list of current record fee title owners and their mailing addresses for the above site:
  
  
  
  
  
  
  
  
  
  
2. 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.

Sincerely,

Signature of primary responsible party

Name of primary responsible party

SAMPLE LETTER 3: NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY

---

Name of local agency  
Street address  
City

SUBJECT: NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY  
FOR *(Site Name and Address)*

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 have notified all responsible landowners of the enclosed proposed action. Check space for applicable proposed action(s):

- cleanup proposal (corrective action plan)
- site closure proposal
- local agency intention to make a determination that no further action is required
- local agency intention to issue a closure letter

Sincerely,

Signature of primary responsible party

Name of primary responsible party

cc: Names and addresses of all record fee title owners



# State Water Resources Control Board

## Division of Clean Water Programs

2014 T Street • Sacramento, California 95814 • (916) 227-4539  
Mailing Address: P.O. Box 944212 • Sacramento, California • 94244-2120  
FAX (916) 227-4530 • Internet Address: <http://www.swrcb.ca.gov/~cwphome/ustcf>

**Winston H. Hickox**  
Secretary for  
Environmental  
Protection



**Gray Davis**  
Governor

5110 # 768

505

MAY 13 1999

Deborah Pryor  
Shell Oil Company  
P O Box 6249  
Carson, CA 90749-6249

UNDERGROUND STORAGE TANK CLEANUP FUND, CLAIM NO. 004950, FOR SITE ADDRESS:  
1784 150TH AVE, SAN LEANDRO 94578

The State Water Resources Control Board (State Board) is able to issue, pursuant to applicable regulations, the enclosed Letter of Commitment (LOC) in an amount not to exceed \$50,000. This LOC is based upon our review of the corrective action costs you reported to have incurred to date. The LOC may be modified by the State Board.

It is very important that you read the terms and conditions listed in the enclosed LOC. Claims filed with the Underground Storage Tank Cleanup Fund far exceed the funding available and it is very important that you make use of the funding that has been committed to your cleanup in a timely manner.

You are reminded that you must comply with all regulatory agency time schedules and requirements and you must obtain three bids for any required corrective action. Only corrective action costs *required* by the regulatory agency to protect human health, safety and the environment can be claimed for reimbursement. **Unless waived in writing, you are required to obtain preapproval of costs for all future corrective action work (form enclosed).** If you have any questions on obtaining preapproval of your costs or the three bid requirement, please call Mark Owens, our Technical Reviewer assigned to claims in your Region, at (916) 227-7883. Failure to obtain preapproval of your future costs may result in the costs not being reimbursed.

The following documents needed to submit your reimbursement request are enclosed:

- "Reimbursement Request Instructions" package. **Retain this package for future reimbursement requests.** These instructions must be followed when seeking reimbursement for corrective action costs incurred after January 1, 1988. Included in the instruction package are samples of completed reimbursement request forms and spreadsheets.
- "Bid Summary Sheet" to list information on bids received which must be completed and returned.
- "Reimbursement Request" forms which you must use to request reimbursement of costs incurred.
- "Spreadsheet" forms which you must use in conjunction with your reimbursement request.

*California Environmental Protection Agency*

**THIS IS IMPORTANT TO YOU, PLEASE NOTE:**

You have 90 calendar days from the date of this letter to submit your first reimbursement request for incurred corrective action costs. **NO EXTENSIONS CAN BE GRANTED.** If you fail to do so, your LOC funds will automatically be reduced to zero (deobligated). Once this occurs, any future funds for this site are subject to availability when you submit your first reimbursement request. We continuously review the status of all active claims. You must continue to remain in compliance and submit a reimbursement request every 6 months. Failure to do so will result in the Fund taking steps to withdraw your LOC.

If you have any questions regarding the enclosed documents, please contact Anna Torres at (916) 227-4388.

Sincerely,



Dave Deaner, Manager  
UST Cleanup Fund Program

Enclosures

cc: ✓ 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



November 9, 1998

ENVIRONMENTAL HEALTH SERVICES

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

STID 768

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

RE: SHELL STATION, 1784 - 150TH AVENUE, SAN LEANDRO

Dear Ms. Petryna:

I have reviewed the September 30, 1998 Cambria Environmental Technology, Inc. (Cambria) *Subsurface Investigation Work Plan* for the continued assessment of the subject site. This work plan was subsequently revised November 5, 1998 following a conversation I shared with Cambria's Darryk Ataide on October 23, 1998.

Among other topics, the revised work plan calls for the installation of six (6) Geoprobe borings from which soil, soil gas, and water samples will be collected for specific laboratory analyses. These data will aid in the interpretation of theoretical risk to nearby potential receptor populations. Three (3) of the six borings will be emplaced adjacent to previous borings SVS-2, -3, and -4. The remaining three borings will be emplaced within the adjoining townhouse complex, directly west of the site. Three (3) new wells are also proposed. Two of the 3 (MW-5 and -6) are slated for a first quarter 1999 installation. **The revised Cambria work plan indicates the installation of the third well, MW-7, is contingent upon the results of the analyses of water samples collected from Geoprobe borings SVS-14 and -15.**

The revised work plan is accepted with the following condition:

- The installation of well MW-7 will be determined after contemplation of the results of the pending phase of work at the site.

I understand fieldwork will begin on Tuesday, November 10, 1998. Please contact me at (510) 567-6783 should this schedule change.

Sincerely,

Scott O. Seery, CHMM  
Hazardous Materials Specialist

Ms. Karen Petryna  
RE: 1784 - 150<sup>th</sup> Ave., San Leandro  
November 9, 1998  
Page 2 of 2

c: Mee Ling Tung, Director, Environmental Health  
Chuck Headlee, RWQCB  
Darryk Ataide, Cambria Env. Technology, Inc., 1144-65<sup>th</sup> St., Ste. B, Oakland, CA 94608

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)

May 18, 1998

STID 768

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

RE: SHELL STATION, 1784 - 150TH AVENUE, SAN LEANDRO

Dear Mr. Perez:

I have reviewed the May 1, 1998 Cambria Environmental Technology, Inc. (CETI) correspondence which presents a summary of our April 28, 1998 meeting, as well as a corrective action work plan addendum. CETI's summary addresses several points we discussed during the April meeting. A more complete response or interpretation is expected for several of these issues once each is further evaluated by CETI, additional calculations are completed, and/or additional field data are collected.

One area of discussion was not addressed, however: the need to perform an additional round of soil vapor collection in an attempt to corroborate the initial soil vapor study (SVS) data. A proposal and schedule for this work should be presented.

The cited work plan addendum supplements the January 9, 1998 CETI Corrective Action Plan (CAP) by proposing three additional "borings" within the townhome development located southwest of the subject Shell site. These additional borings will be advanced using hydraulic push technology, e.g., GeoProbe, CPT, etc., and are intended to assess underlying geology and ground water impact.

I understand that an interpretation of potential preferential vapor flow through geogenic or utility conduits will be presented following completion of the borings within the adjoining townhome development. After completion of the second phase of the SVS and any RBCA evaluations, revisions, or recalculations that may consequently follow, a final corrective action plan (CAP) can then be determined.

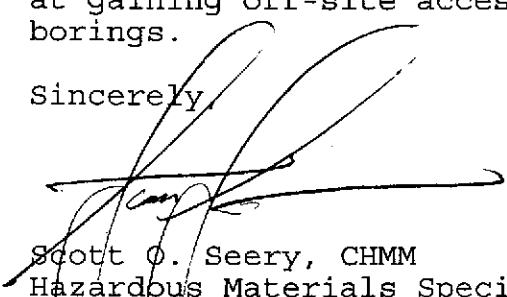
The cited CETI work plan addendum is accepted.

Mr. Alex Perez  
RE: 1784 150th Ave., San Leandro  
May 18, 1998  
page 2 of 2

Please submit a SVS work plan for review. As this work should occur soon after cessation of the rainy season, this work plan should be submitted in a timely fashion.

Please call me at (510) 567-6783 should you have questions or comments. Please also keep this office apprised of your success at gaining off-site access for installation of the additional borings.

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

c: Mee Ling Tung, Director, Environmental Health  
Chuck Headlee, RWQCB  
Scott MacLeod, Cambria Environmental Technology, Inc.



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



April 10, 1998

STID 768

ENVIRONMENTAL HEALTH SERVICES

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

Mr. Alex Perez  
Shell Oil Products Company  
P.O. Box 4023  
Concord, CA 94524

RE: SHELL STATION, 1784 - 150TH AVENUE, SAN LEANDRO

Dear Mr. Perez:

I have reviewed the January 9, 1998 Cambria Environmental Technology, Inc. *Corrective Action Plan (CAP)*, and the April 21, 1997 Weiss Associates *Tier 2 RBCA Site Evaluation* submitted as Attachment A of the cited Cambria report. These documents were received by this office on January 14, 1998.

I would like to schedule a meeting to discuss the scope of both the RBCA and proposed CAP. I will call you the week of April 12 to schedule a meeting sometime this month.

I may be reached at (510) 567-6783 should you have any questions in the meantime.

Sincerely,

Scott O. Seery, CHMM  
Hazardous Materials Specialist

c: Mee Ling Tung, Director, Environmental Health  
Dick Pantages, Chief, Environmental Protection  
Chuck Hedley, RWQCB  
Tom Fojut, Weiss Associates  
Khaled B. Rahman, Cambria Environmental Technology, Inc.

  
CAMBRIA

January 7, 1998

Scott O. Seery, CHMM  
Alameda County Department of Environmental Health  
Hazardous Materials Division  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

Re: **Corrective Action Plan Status**  
Shell Service Station  
1784 150<sup>th</sup> Avenue  
San Leandro, California  
WIC #204-6852-1404

Dear Mr. Seery:

We are in receipt of your letter dated December 2, 1997 to Mr. Alex Perez of Shell in which you request a Corrective Action Plan (CAP) and RBCA Summary Reports within thirty (30) days. Cambria Environmental Technology, Inc. (Cambria) was unable to meet the January 2, 1998 deadline. Due to the holiday period, pre-planned vacations and illness of the project manager, Cambria anticipated the deadline would not be met and called you during the week of December 15, 1997 for a two week extension, making the new deadline January 16, 1998. Understandably so, you were concerned at the request for an extension due to an understanding that the development of the CAP initiated in August 1997. Due to your feedback, Cambria focused its resources in trying to meet the January 2, 1998 deadline. We currently anticipate submittal by January 9, 1998 and apologize for any inconvenience this may have caused.

If you have any questions or concerns please call me at (510) 420-0700.

CAMBRIA

ENVIRONMENTAL  
TECHNOLOGY, INC.

1144 65TH STREET,

SUITE B

OAKLAND,

CA 94608

PH: (510) 420-0700

FAX: (510) 420-9170

Sincerely,  
**Cambria Environmental Technology, Inc.**



Gina Kathuria, P.E.  
Senior Project Engineer

cc: A.E. (Alex) Perez, Shell Oils Products Company

F:\PROJECTS\HELLASNL1784\Corresp. 98\letter.wpd

**To:** Scott Seery  
**Organization:** Alameda County Department of Environmental Health  
**Fax #:** (510) 337-9335  
**Re:** Shell Service Station,  
1784 150<sup>th</sup> Avenue,  
San Leandro CA  
**Date:** December 4, 1997  
**Pages:** 2, including this cover

**FACSIMILE**

**Mr. Seery,**

Shell Oil Products Company (Shell) is currently performing 1998 upgrade activities at this site. Paradiso Mechanical, the construction contractor for Shell, is installing dispenser sumps and accessing the tank turbine areas for the upgrades. Cambria, on behalf of Shell, performed soil sampling beneath the former dispensers today. As you and I discussed, I was on site today and met with Amir Gholami with the Alameda County Department of Environmental Health (ACDEH).

Cambria collected one soil sample approximately one foot into native soil beneath each of the four former dispensers. Based on his visual observations, Mr. Gholami stated that he wanted Shell to wait for the analytical results of the sampling before installing the new sumps and replacing the dispensers. He also said that overexcavation of the impacted soil may be required at the site. I told Mr. Gholami that we would use a hand auger to collect samples at approximately 5 feet into native soil beneath each dispenser. He said that was a good idea and that we could proceed without his observation. Mr. Gholami left the site and said that he would not be in his office Thursday afternoon or Friday and that Mr. Seery with ACDEH would be responsible for deciding if Shell could continue with the dispenser replacement or if they had to wait for the analytic results and possibly have to overexcavate.

After Mr. Gholami left, Cambria collected samples approximately 4.5 feet into native soil beneath each dispenser using a hand auger. In three of the sample locations, the deeper soils consisted of a tight, black, organic clay. No hydrocarbon staining or odor was observed at the lower depths of these three locations. In the other sampling location, surficial water was seeping into the sample location from the upper fill material. This water appeared to be perched in the upper fill material from the recent rains at the site. The water interfered with the augering and sampling. A soil sample was collected at approx. 4.5 foot depth and the sample appeared to consist of tight, black, organic clay with no hydrocarbon impact; however, the water seeping in from the surface mixed with the sample and may affect the analytic results.

From the desk of...

**Paul Waite**  
Project Engineer  
Cambria Environmental Technology  
1144 65th Street, Suite C  
Oakland, CA 94608

(510) 420-3305  
Fax: (510) 420-9170

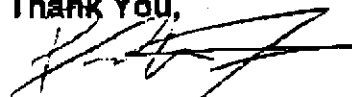
Scott Seery  
December 4, 1997

**CAMBRIA**

You stated today that based on the above information, Shell can continue the installation of the new dispensers. They do not have to wait for the soil sampling analytic results, and no overexcavation of surficial soils will be necessary. I informed you that Shell will continue with the dispenser installation on Friday, December 5, and you stated that was acceptable. We will submit the soil samples for analysis of total petroleum hydrocarbons as gasoline, benzene, toluene, ethylbenzene, xylenes, and methyl tert-butyl ether using a regular turn around time and we will present the results to you.

Please call me at (510) 420-3305 to confirm your receipt of this notification. If you have any questions or comments, please call me as soon as possible.

Thank You,



Paul Waite

cc: Alex Perez, Shell Oil Products Company, (510) 335-5029  
Lisa Maglins, Shell Oil Products Company, (510) 335-5016  
Amir Gholami, ACDEH, (510) 337-9335  
Rob Weston, ACDEH, (510) 337-9335  
Paul Paradiso, Paradiso Mechanical, (510) 614-8396

From the desk of...

**Paul Waite**  
Project Engineer  
Cambria Environmental Technology  
1144 65th Street, Suite C  
Oakland, CA 94608

(510) 420-3305  
Fax: (510) 420-9170

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

December 2, 1997

ENVIRONMENTAL HEALTH SERVICES

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

STID 768

Mr. Alex Perez  
Shell Oil Products Company  
P.O. Box 4023  
Concord, CA 94524

RE: SHELL STATION, 1784 - 150TH AVENUE, SAN LEANDRO

Dear Mr. Perez:

After review of the January 14, 1997 Weiss Associates (WA) report entitled "Soil Vapor Survey Report," I spoke with Mr. Steve Long of WA on February 28, 1997. We discussed certain issues associated with the soil vapor collection field work documented in the referenced report, among other related topics. I was informed during this conversation that a *draft* RBCA had been submitted to Shell for review just days prior.

On August 21, 1997, I was contacted by Mr. Scott MacLeod of Cambria Environmental Technology, Inc. (CETI) regarding CETI's pending Corrective Action Plan (CAP) proposal for this site that they were at that time reportedly preparing for Shell. Mr. MacLeod and I discussed the need for additional assessment and permanent well points within the adjoining townhome development, among other issues relating to the *risk-based* CAP.

To date, I have not received a copy of either the RBCA or CAP, in draft or final form.

Please submit these documents to my attention within 30 days of the date of this letter. I may be reached at (510) 567-6783 should you have any questions.

Sincerely,

Scott O. Seery, CHMM  
Hazardous Materials Specialist

c: Mee Ling Tung, Director, Environmental Health  
Kevin Graves, RWQCB  
Larry Blazer, Alameda County District Attorney's Office  
Amir Gholami, ACDEH

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Director

February 14, 1997

STID 768

DEPARTMENT OF ENVIRONMENTAL HEALTH  
Environmental Protection Division  
1131 Harbor Bay Parkway, #250  
Alameda, CA 94502-6577  
(510) 567-6700

Aura B. Mattis  
Shell Oil Products Company  
P.O. Box 4023  
Concord, CA 94524

RE: SHELL STATION, 1784 150TH AVENUE, SAN LEANDRO

Dear Ms. Mattis:

Thank you for meeting me at the site today to confirm the presence of overspill buckets on the fuel underground storage tanks (UST). Although our records, including the most recent (March 1995) UST Permit Application A and B forms, do not indicate that such buckets are installed on the subject tanks, our inspection today confirms that they are, in fact, present.

Each of the three (3) fuel tanks appear to have both delivery and vapor overspill buckets (approximately 15 and 5 gallon capacities, respectively) installed over the north (fill) end of each tank. In addition, the two outboard tanks also appear to employ "remote" fill and vapor buckets which are clustered adjacent to the central tank's standard fill/vapor buckets. These remote buckets appear to only be 5 gallon in capacity. As we discussed, these are too small to be acceptable to this agency.

At this time, please comply with the following points:

- 1) Abate use of and render unusable the noted "remote" fill locations for the two outboard USTs unless the capacity of the *delivery* overspill basins are increased in capacity to a minimum of 15 gallons. Should Shell decide to modify the capacity of the remote fill buckets, appropriate tank modification plans are to be submitted to this agency for approval.
- 2) Submit "as built" plans for the overspill bucket installations, and indicate the date that this work was completed.
- 3) Submit updated UST Permit Application A and B forms (copies attached) to correctly reflect spill and overflow protection status.

Ms. Mattis  
RE: 1784 150th Avenue, San Leandro  
February 14, 1997  
Page 2 of 2

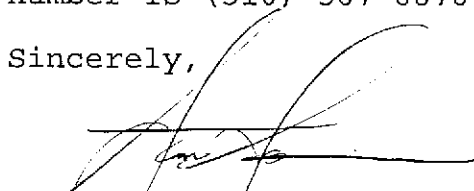
- 4) Confirm the presence or absence of "striker plates" beneath the access ports of the single wall Owens-Corning FRP product tanks.
- 5) Submit an update to the site HMBP to appropriately reflect the presence of overspill protection.

Please continue to ensure that the station dealer strictly adheres to all UST operating permit *and reporting* conditions specified in the permit issued June 1995. Failure of the dealer to adhere to permit conditions in the future may result in enforcement action, which could include the revocation of his permit.

As you requested, attached is a copy of the November 1990 agency memo which discusses the need to employ 15 gallon or greater capacity overspill buckets.

Please call me at (510) 567-6783 should you have any questions about the content of this letter. Compliance questions, as well submittal of your response to the items requested above, should be directed to Amir Gholami of this office. Mr. Gholami's phone number is (510) 567-6876.

Sincerely,



Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

enclosures

cc: Mee Ling Tung, Agency Director  
Gordon Coleman, Acting Chief, Environmental Protection  
Amir Gholami, ACDEH  
Kevin Tinsley, ACDEH



## Shell Development Company

A Division of Shell Oil Company

### Interoffice Memorandum

December 19, 1996

TO: Jeff Granberry, Environmental Engineer

FROM: Gerard E. Spinnler

SUBJECT: Analysis of Product Sample from San Leandro, CA

Four samples from 1784 150th Avenue, San Leandro, CA were received in the Refining and Environmental Analytical Chemistry Department at Westhollow Technology Center for product analysis. Only one sample (MW-1) contained separate phase hydrocarbons for product analysis. MW-1 was analyzed by gas chromatography and a flame-ionization detector (GC/FID).

The samples consists of gasoline-range material that has been severely weathered.

If you have any additional questions or we can be of further service, please call Gerard Spinnler (281- 544-7319) or Emiliano Hinojosa (281-544-7815). No further work is planned unless notified





December 11, 1996

Scott Seery  
Alameda County Department  
of Environmental Health  
Hazardous Materials Division  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

Re: **Liquid-Phase Hydrocarbon Sampling**  
Shell Service Station  
WIC #204-6852-1404  
1784 150th Avenue  
San Leandro, California

Dear Mr. Seery:

As you requested in your December 4, 1996 letter to R. Jeff Granberry of Shell Oil Products Company (Shell), we have looked into the liquid-phase hydrocarbon (LPH) sampling that Weiss Associates (Weiss) conducted during the first quarter of 1996. We have not located any evidence of the sampling results in our files or in the files at Shell's office. We also contacted Weiss and they indicated that they did not recall receiving any results. We will continue our search of our files and have contacted Westhollow, the laboratory where the samples were sent, and we will report any results to you promptly. In the event that we cannot locate the results of the LPH analyses, we have instructed Blaine Tech Services to collect LPH samples during the fourth quarter sampling event if LPH are present in any wells. We will report the results of our sampling in either the fourth quarter 1996 or first quarter 1997 report, depending upon when we receive the results.

We appreciate this opportunity to work with you on this project. Please call me if you have any questions or comments.

CAMBRIA

ENVIRONMENTAL  
TECHNOLOGY, INC.

1144 65TH STREET,

SUITE B

OAKLAND,

CA 94608

PH: (510) 420-0700

FAX: (510) 420-9170

Sincerely,  
Cambria Environmental Technology, Inc.



N. Scott MacLeod, R.G.  
Principal Geologist

cc: R. Jeff Granberry, Shell Oil Products Company

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ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



December 4, 1996

STID 768

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

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

RE: SHELL STATION, 1784 150TH AVENUE, SAN LEANDRO

Dear Mr. Granberry:

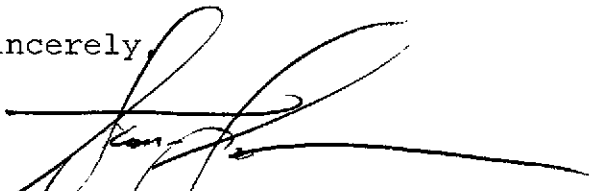
This letter follows our telephone conversation today. As we discussed, both product sheen and/or measurable free phase product has appeared in wells MW-1 and MW-3 for at least the last year. The source of this product is unknown at this time. A sample of the product was reportedly collected from MW-1 during March 1996 and sent to Shell's Westhollow laboratory for analysis. This office was advised that the results of this analysis was to have been presented in the 2nd quarter 1996 sampling report. To date, these data have not been presented.

In an attempt to determine whether the discovery of free phase product in site wells was related to underground storage tank (UST) operational failures, I contacted Shell's "compliance" office and requested copies of all UST monitoring records for the last year. This request would encompass all records which demonstrate the scope and results of tank monitoring (e.g., integrity tests, manual or electronic tank level monitoring, SIR, etc.). Confirmation of the presence or absence of overfill protection measures and devices was also requested. To date, these data have also not been presented.

Please submit the aforementioned information within 30 days of the date of this letter. Please be advised that this letter constitutes an official request to furnish information pursuant to California Health and Safety Code Section 25299.78(b).

You may reach me at (510) 567-6783 should you have any questions.

Sincerely,



Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

Mr. Granberry  
RE: 1784 150th Ave., San Leandro  
December 4, 1996  
Page 2 of 2

CC: Mee Ling Tung, Director, Environmental Protection  
Bob Chambers, Alameda County District Attorney's Office  
Kevin Graves, RWQCB  
Amir Gholami, ACDEH  
Kevin Tinsley, ACDEH

**Weiss Associates**

5500 Shellmound Street, Emeryville, CA 94608-2411

Environmental and Geologic Services

Fax: 510-547-5043 Phone: 510-450-6000

June 27, 1996

Scott O. Seery  
Senior Hazardous Materials Specialist  
Alameda County Department of Environmental Health  
Local Oversight Program  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

Dear Mr. Seery:

On behalf of Shell Oil Products Company, Weiss Associates (WA) is responding to your letter dated June 2, 1996 and our follow-up telephone conversation on June 21, 1996 with Shell engineer R. Jeff Granberry and Shell hydrogeologist Brad Boschetto. As we agreed in our conversation, Shell and WA will classify Shell's underground storage tank (UST) cases that you oversee according to the classification system outlined in the American Society for Testing and Materials (ASTM)'s *Standard Guide for Risk-Based Action at Petroleum Release Sites*. At our upcoming meeting, we will compare the ASTM system with the State Water Resources Control Board's "Prioritization System for Leaking Underground Storage Tanks Sites."

We also agreed to discuss the vadose zone investigation that you requested in your May 20, 1996 letter for the former Shell service station at 15275 Washington Avenue in San Leandro. WA will prepare a workplan draft for the meeting. In addition, as we discussed, WA will shortly submit an investigation workplan addendum and has scheduled the field work for the **Shell service station at 1784 150th Avenue in San Leandro**. The field work is scheduled for the week of July 22. WA will notify you of the exact time and date before beginning the work.

Our meeting is scheduled for Friday, July 26, 1996 at 9:30 am at Shell's Concord office. Shell and I look forward to discussing these cases with you. Please call me if you have any questions or comments.

Sincerely,  
Weiss Associates

Thomas Fojut  
Project Hydrogeologist

cc: R. Jeff Granberry, Shell Oil Products Company  
Brad Boschetto, Shell Oil Products Company  
Mee Ling Tung, Alameda County Department of Environmental Health  
Gil Jensen, Alameda County District Attorney's Office  
Kevin Graves, Regional Water Quality Control Board

Shell  
1784-150<sup>TH</sup> A  
S. Leandro

2/22/86

memo to file:

I met today w/ Kevin Graves (RWQCB) and Jeff Cranberry (Shell), among others, regarding the risk evaluation pending at the adjoining residential sites. Weiss Associate's Carolyn Atwood was suggesting collecting some "quick 'n' dirty" soil vapor study to calculate short-term exposure worst case data while awaiting the dry season. Apparently the 1986 EPA flux chamber protocol requires 7 days of dry weather prior to a SVS. This, hence, may necessitate a 6 mos. delay. I agreed.

805

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



ARNOLD PERKINS, DIRECTOR  
RAFAT A. SHAHID, DEPUTY DIRECTOR

January 24, 1996

Alameda County Environmental Health Dept.  
Environmental Protection Division  
1131 Harbor Bay Parkway, Room 250  
Alameda CA 94502-6577  
(510)567-6700 fax: (510)337-9335

STID 768

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

RE: SHELL SERVICE STATION, 1784-150TH AVENUE, SAN LEANDRO -  
REQUEST FOR ADDENDUM TO PROPOSED SOIL VAPOR SURVEY IN  
PREPARATION OF A RISK-BASED CORRECTIVE ACTION ANALYSIS

Dear Mr. Granberry:

As we recently discussed, I have completed a review of the December 19, 1995 Weiss Associates (WA) *Proposed Corrective Action Plan* in which a soil vapor survey (SVS) is proposed. WA informs that these data are necessary to evaluate potential exposure scenarios as a preliminary step in completion of a risk-based corrective action (RBCA) analysis.

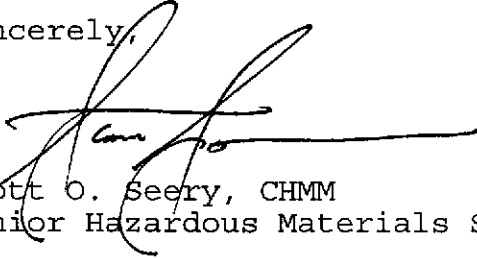
In order for this author to understand how data derived from such a SVS will assist in the RBCA analysis, please present a comprehensive discussion describing, among other topics, the extrapolation of SVS data to plausible exposure scenarios for potential receptors in, for example, the residences adjoining the subject site. In addition, please also present specific information regarding the actual SVS, and why the proposed hardware or techniques were selected over others. Examples of SVS tasks for which additional information is required:

- o sampling techniques
  - \* ground probes (large- or small-volume)
  - \* surface flux chambers
  - \* sorbent samplers (e.g., Petrex tubes)
  - \* etc.
- o sample collection
  - \* canisters
  - \* Tedlar bags
  - \* etc.
- o analysis methodology
- o sampling QA/OC plans

Mr. Jeff Granberry  
RE: 1784 150th Ave., San Leandro  
January 25, 1996  
Page 2 of 2

Thank you in advance for the requested supplemental information.  
Should you have any questions, please contact me at 510/567-6783.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott O. Seery", with a long horizontal flourish extending to the right.

Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

*a*  
cc: Jun Makishima, Acting Director  
Gil Jensen, Alameda County District Attorney's Office  
Ravi Arulanantham, RWQCB  
Jim Ferdinand, Alameda County Fire Department  
Tom Fojut, Weiss Associates

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

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

STID 768

October 20, 1995

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

RE: SHELL STATION, 1784 150th AVENUE, SAN LEANDRO

Dear Mr. Kirk:

I have completed a review of the case file for this site, up to and including the June 13, 1995 Weiss Associates (WA) *Subsurface Investigation Report and First Quarter 1995 Monitoring Results* and July 28, 1995 WA 2nd quarter 1995 sampling report. The June 13, 1995 WA report documents the results of the phased off-site assessment using Geprobe "push tool" sampling techniques, followed by the installation of well MW-4.

At this time, pursuant to Section 2720 et seq. of Article 11, *Corrective Action Requirements*, Title 23, California Code of Regulations (CCR), please prepare and submit a CAP which presents an evaluation of the CAP elements required under this article.

Please be advised that, based on the historically high dissolved concentrations of benzene detected in ground water sampled from well MW-2 ( $\leq 36,000$  ug/l), similar benzene concentrations in ground water sampled from off-site Geoprobe point BH-3 (25,000 ug/l), and the immediate proximity of residences to the site and, specifically, the noted sample points, an evaluation of the human health risk posed by the release at this site must be completed. The final CAP shall incorporate risk-based corrective action.

The requested CAP is due within 60 days of the date of this letter, or by December 20, 1995.

Please call me at 510/567-6783 should there be any questions or if I may be of assistance.

Sincerely,



Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist



Dan Kirk  
RE: 1784 150th Ave., San Leandro  
October 20, 1995  
Page 2 of 2

cc: Jun Makishima, Acting Agency Director  
Gil Jensen, Alameda County District Attorney's Office  
Ravi Arulanantham, RWQCB  
Jim Ferdinand, Alameda County Fire Department

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

STID 768

November 16, 1994

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

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

RE: SHELL STATION, 1784-150TH AVENUE, SAN LEANDRO

Dear Mr. Kirk:

I have completed review of the November 8, 1994 Weiss Associates (WA) subsurface investigation work plan for the placement of three (3) additional "hydropunch" survey points. Following consultation with Mr. Tom Howard of WA, this work plan has been approved as submitted.

Please contact me at 510/567-6783, or -6700, when field activities associated with this current phase of work have been scheduled.

Sincerely,

Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Agency Director  
Gil Jensen, Alameda County District Attorney's Office  
Rob Weston, ACDEH  
James W. Carmody, Weiss Associates

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

STID 768

October 24, 1994

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

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

RE: SHELL STATION, 1784-150TH AVENUE, SAN LEANDRO

Dear Mr. Kirk:

I have completed review of the October 13, 1994 Weiss Associates (WA) subsurface investigation report documenting the results of the qualitative "hydropunch" survey. It is reported that initial field indications did not suggest that there was any impact to ground water encountered in borings BH-2 and -3. However, fuel constituents were discovered in both, with up to 25,000 ppb benzene, among other constituents, in water sampled from BH-3.

WA has recommended another hydropunch survey prior to siting monitoring wells. This appears to be a sound recommendation.

Please have your consultant prepare and submit a brief work plan presenting the locations of proposed survey points. Please submit this hydropunch survey work plan within 30 days of the date of this letter.

Please contact me at 510/567-6783, or -6700, should you have any questions.

Sincerely,

  
Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Agency Director  
Gil Jensen, Alameda County District Attorney's Office  
Rob Weston, ACDEH  
James W. Carmody, Weiss Associates

Shell  
1784 150th Ave  
S. Leonardo

MEMO to file:

6/13/94

I discussed the preliminary "results" of the soil boring / hydro-punch study at this site w/ Eric Andersen of Weiss Associates. ~~Field indications~~  
~~are that no evidence of HC contamination was~~  
~~noted during boring and sampling activities.~~ As a result, I've agreed that HVOC analyses need only be required for GW sampled from the hydro-punch point closest to and down-gradient of the UST cluster (Area "C") at the present. Additional analyses will be dictated by these first results. Also, only one soil sample from each boring need be analyzed. I recommended that from the zone closest to the capillary fringe.

SOS



**Weiss Associates**

*Environmental and Geologic Services*

5500 Shellmound Street, Emeryville, CA 94608-2411

Fax: 510-547-5043 Phone: 510-450-6000

**May 6, 1994**

Mr. John Rogers  
Alameda County Public Works Department  
Road Permit Center  
399 Elmhurst Street  
Hayward, California 94544

Re: Encroachment Permit and Bond  
Shell Service Station  
1784 150th Avenue  
San Leandro, California  
WA Job #81-422-04

Dear Mr. Rogers:

On behalf of Shell Oil Company, Weiss Associates requested an encroachment permit on April 6, 1994 to drill two temporary, shallow borings in the public right-of-way on 151st Street and Freedom Avenue. The encroachment permit and inspection fees have been paid and a \$1,500.00 bond to cover the work involved in this drilling event is enclosed. Please issue the encroachment permit upon receipt of this bond, as all requirements will have been met for the encroachment permit. Please call if you have any questions or comments.

Sincerely,  
Weiss Associates

Deborah Underwood  
Staff Geologist

DHU/JKM:du

J:\HC\_ENG\SHELL\SANL-422\422L1MY4.WP

Attachment: Bond No. 5 S 100812556 BCA

cc w/o attachment: Scott Seery, Alameda County Environmental Health Department, 80 Swan Way,  
Room 200, Oakland, California 94621



94 MAY 11 PM 12:01

**TRANSMITTAL**

**DATE:** 5-6-94

**TRANSMITTAL TIME:** 11:30 am

**PROJECT NO.:** 81-422-02

**NUMBER OF PAGES:**  
(Including This Cover Page) 2

**TO:** Scott Seery

**COMPANY:** Alameda County

**CITY:** Environmental Health  
Department  
Oakland

**BUSINESS PHONE:**

**FROM:** Deborah Underwood

**SUBJECT:** Soil borings at: Shell Station  
1784 150th Avenue  
San Leandro, CA

**AS:**  We discussed on the telephone on \_\_\_\_\_  
 You requested \_\_\_\_\_  
 We believe you may be interested  
 Is required

**WE ARE SENDING:**

A copy of permit correspondence to Alameda PWD to complete the permitting process, which has been more involved than anticipated.

**FOR:**  Your information  Your review & comments  
 Your use  Return to you

**NOTES:**

If you DO NOT RECEIVE all the pages please call us back as soon as possible for retransmission at (510) 450-6000 and ask for DEB UNDERWOOD.

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY



DAVID J. KEARS, Agency Director  
STID 768

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

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

RE: SHELL STATION, 1784-150TH AVENUE, SAN LEANDRO

Dear Mr. Kirk:

I have completed review of the December 7, 1993 Weiss Associates (WA) work plan for further assessment of the fuel hydrocarbon impact in shallow ground water on and adjacent to the subject site. The cited WA plan proposes to advance eight soil borings in five locations, both on- and off-site, from which "grab" water samples will be collected using the "hydropunch" method.

We understand that this phase of the assessment is designed to provide a qualitative indication of water quality to aid in the siting of an appropriate array of permanent monitoring wells. With this understanding in mind, this work plan has been accepted with the following clarifications:

- 1) Water samples collected from each of the borings are to be analyzed for the presence of TPH-G, BTEX, and halogenated hydrocarbons.
- 2) Soil samples should be collected from each boring at 5 foot intervals, significant changes in lithology, or where contamination is noted in the field, at a minimum. Boring logs should be generated. Subjective or quantitative field screening should be used to determine which soil samples to analyze, if any. Target analytes shall be the same as for water samples. Particular attention should be paid to materials encountered in those borings advanced on-site (Area B).
- 3) A proposal for permanent well locations should be submitted with the report documenting this phase of the investigation.

Please call me at 510/271-4530 to inform me of when field work is slated to begin.

Sincerely,



Scott Q. Seery, CHMM  
Senior Hazardous Materials Specialist

Mr. Dan Kirk  
RE: 1784-150th Avenue, San Leandro  
January 13, 1994  
Page 2 of 2

cc: Rafat A. Shahid, Assistant Agency Director  
Gil Jensen, Alameda County District Attorney's Office  
Scott MacLeod, Weiss Associates



ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

STID 768

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

October 26, 1993

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

RE: SHELL STATION, 1784-150TH AVENUE, SAN LEANDRO

Dear Mr. Kirk:

I have recently completed a review of the underground storage tank (UST) leak file for this site. This task included the review of monitoring and assessment reports dated up to, and including, the October 15, 1993 Weiss Associates (WA) report documenting the results of the 1993 third quarter monitoring event.

Ground water sampling results indicate all on-site wells have been impacted by fuel hydrocarbons. Ground water sampled from well MW-2, located northwest and adjacent to the UST cluster, has consistently exhibited the highest concentrations of fuel compounds, as compared to wells MW-1 and -3. The calculated gradient at this site has essentially been stagnant from September 1992 through September 1993. Gradients ranged from approximately 0.0001 to 0.008 ft.ft.<sup>-1</sup> during this period. An exception to this apparent gradient trend was noted for the February 1993 monitoring event, however, which was calculated to be 0.07 ft.ft.<sup>-1</sup>, with flow towards the south. There is a strong indication that contaminants have migrated off-site.

The RWQCB and Article 11 of Title 23 Waters, California Code of Regulations (CCR), require additional assessment of sites where the initial stages have identified contamination, but not its extent. Such is the case at this site. Therefore, pursuant to Section 2724 of Article 11, 23CCR, you are required to perform additional investigations in the form of a **Soil and Water Investigation (SWI)**.

A SWI work plan must be developed and submitted to this office for review. Please submit this work plan within 45 days of the date of this letter, or by December 10, 1993. All reports and proposals must be submitted under seal of an California-registered civil engineer or geologist.

Dan Kirk  
RE: 1784-150th Ave., San Leandro  
October 26, 1993  
Page 2 of 2

Please contact me at 510/271-4530 should you have any questions.

Sincerely,



Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director  
Gil Jensen, Alameda County District Attorney's Office  
Jim Ferdinand, Alameda County Fire Department  
Scott MacLeod, Weiss Associates  
files



**Weiss Associates**

*Environmental and Geologic Services*

5500 Shellmound Street, Emeryville, CA 94608-2411

Fax: 510-547-5043 Phone: 510-547-5420

April 15, 1993

Scott O. Seery  
Alameda County Department  
of Environmental Health  
Hazardous Materials Division  
80 Swan Way, Room 200  
Oakland, CA 94621-1426

██████████ Avenue  
San Leandro, CA

Dear Mr. Seery:

Weiss Associates is writing this letter to notify you that we will not be able to submit the quarterly status report as originally scheduled for the site referenced above. We typically submit quarterly status reports within fifteen days of the end of each quarter. However, the contractor that collects the ground water samples did not submit the sampling data and analytic results to us until just recently. We are currently compiling the data and will submit the report as soon as possible.

We apologize for this delay and will work closely with the sampling consultant to ensure that this does not happen again in the future. Please call us if you have any questions or comments.

Sincerely,  
Weiss Associates

J. Michael Asport  
Technical Assistant

JMA:fc

cc: Dan Kirk, Shell Oil Company, P.O. Box 5278, Concord, CA 94520-9998  
Lester Feldman, California Regional Water Quality Control Board - San Francisco Bay Region,  
2101 Webster Street, Suite 500, Oakland, CA 94612

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

STID 768

August 17, 1992

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

RE: SHELL SERVICE STATION, 1784 150TH AVENUE, SAN LEANDRO

Dear Mr. Miller:

This letter follows in the wake of my telephone conversations with Messrs. Tom Fojut and Scott MacLeod of Weiss Associates (WA) on August 12 and 13, 1992. These calls were prompted by my review of the April 27, 29 and July 20, 1992 WA reports. We discussed the distribution of contamination across the site, potential source or sources, well construction criteria for MW-2, and sampling and monitoring schedules, among others.

I brought to their attention that this Department had required that all new wells (i.e., MW-2 and -3) be sampled monthly for the first quarter, reevaluating this schedule after the data is reviewed. Further, the ground water elevations in all wells were also to be measured monthly for 12 consecutive months, reduced to a quarterly schedule thereafter. Neither of these schedules have been adhered to.

These sampling and monitoring requirements were initially memorialized in correspondence dated August 22, 1991 to Mr. Jack Bradstad of Shell. The January 10, 1992 letter addressed to you, stating our acceptance of the WA work plan, referenced the need to adhere to the requirements outlined previously in the referenced August 22, 1991 correspondence. Copies of both letters are enclosed.

This Shell site, adjacent to and above the entrenched Highway 580, and in a region whose hydrogeology is likely influenced by the mechanics of the Hayward Fault Zone, may prove a challenge to understand. Therefore, in addition to immediately instituting a schedule of monthly water elevation measurements for the next 12 months, beginning August 1992, and presenting such water elevation data on water elevation contour maps in the appropriate quarterly reports, the following tasks are to be completed:

- 1) **Construct geologic cross sections from boring log data.**  
Data generated from each future well installation shall be incorporated into a new series of cross sections;

Mr. Kurt Miller  
RE: Shell Station, 1784 150th Ave. San Leandro  
August 17, 1992  
Page 2 of 2

- 2) Each report is to provide an interpretation of data collected and any recommended future actions;
- 3) Contaminant plume maps are to be generated for each target compound of concern (e.g., TPH, BTEX, 1,2-DCA, etc.).

The Department recognizes that this site appears to have experienced releases from both the fuel and waste oil underground storage tank (UST) systems, as evidenced by the elevated levels of fuel and solvent compounds found in ground water sampled from downgradient well MW-2. For example, up to 30,000 ppb benzene and 82 ppb 1,2-DCA was found during the first quarter sampling event.

Please be advised that Shell, pursuant to the requirements set forth under Article 11 of Title 23, California Code of Regulations, should begin developing a **Corrective Action Plan** (CAP) to address the further assessment and cleanup of soil and ground water contamination at this site. Controlling the off-site migration of contaminant plumes should be the first priority.

Please be further advised that this is an official request for technical reports pursuant to California Water Code Section 13267(b). Failure to respond or a late response could result in the referral of this case to the RWQCB or District Attorney's Office for enforcement action.

Please feel free to call me at 510/271-4530 should you have any questions.

Sincerely,



Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

enclosures

cc: Rafat A. Shahid, Assistant Agency Director, Env. Health  
Gil Jensen, Alameda County District Attorney's Office  
Rich Hiett, RWQCB  
Jim Ferdinand, Eden/Castro Valley Consolidated Fire Dist.  
Scott MacLeod, Weiss Associates

SHELL OIL CORPORATION

QUARTERLY REPORT TO

THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

Date of Report: April 16, 1992

# 768

Service Station WIC Number: 204-6852-1404  
Site Address (Number, Street): 1784 150th Avenue  
City: San Leandro  
County: Alameda

---

**Actions in the past three months:**

Collected 1st quarter ground water samples and submitted 1st quarter monitoring report.  
Installed two additional ground water monitoring wells.

**Actions planned for next three months:**

Continue quarterly ground water monitoring.  
Submit 2nd quarter monitoring report.

Soil Contamination defined? Y\N N  
Soil Clean-up in progress? Y\N N  
Free-product plume defined? Y\N N  
Free-product cleanup in progress? Y\N N  
Dissolved constituent plume defined? Y\N N  
Dissolved constituent cleanup in progress? Y\N N

Contractor: Weiss Associates, Emeryville, California.

---

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

January 10, 1992

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

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

RE: SHELL SERVICE STATION, 1784-150TH AVENUE, SAN LEANDRO  
LOP CASE # 768

Dear Mr. Miller:

This Department is in receipt and has completed review of the December 30, 1991 Weiss Associates (WA) addendum to their September 23, 1991 work plan which proposes the scope of the required additional environmental work at the referenced site. This work plan, as amended, has been accepted, with the following conditions:

- 1) The Site Safety Plan must reflect 29 CFR Part 1910.120 required elements.
- 2) Well purging adequacy should be verified by the apparent stabilization of pH, temperature, and conductance measurements.

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

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

Sincerely,

  
Scott O. Seery, CHMM  
Hazardous Materials Specialist

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

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



December 11, 1991

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

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

RE: SHELL SERVICE STATION, 1784-150TH AVENUE, SAN LEANDRO, ALAMEDA COUNTY

Dear Mr. Theisen:

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

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

- 1) Submit a site-specific Site Safety Plan which adheres to the requirements of 29 CFR Part 1910.120.
- 2) Provide a schematic well construction diagram.
- 3) Describe well drilling and construction method, including decontamination measures.
- 4) Indicate type, diameter, screen interval, and pack and slot sizing technique. Describe depth and type of seal.
- 5) Describe well development method and criteria for determining adequacy of development.
- 6) Describe water level measurement procedures (e.g., optical probe, steel tape, etc.).



Mr. Joseph P. Theisen  
RE: Shell Station, 1784-150th Avenue, San Leandro  
December 11, 1991  
Page 2 of 2

- 7) Describe methods employed for free product measurement, and the observation of sheen and odor.
- 8) Describe well purging procedures prior to sampling.
- 9) Describe sample collection (both soil and ground water), sample QA/QC, and chain-of-custody procedures, and field screening techniques. Soil samples are to be collected every 5 feet of boring advancement, significant changes in lithology, and at any time there are "hits" on field screening instruments.
- 10) All collected soil and ground water samples submitted to the state-certified laboratory must be analyzed for TPH-G and -D, BTEX, and halogenated volatile organic compounds.

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

Additionally, the August 22, 1991 correspondence also requested the submittal of the boring log for well MW-1, completed during March 1990. This has not been submitted to date. **You are required to provide such boring logs.** Please be certain that this log is include in your response to this letter. [Note: A similar request for a boring log was made for well MW-1 installed at the Shell Station located at 1285 Bancroft Avenue, San Leandro. The noted boring log should be included with your written response to the November 18, 1991 deficiency letter from this Department.]

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

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

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

DATE: 12/10/91  
TO : Local Oversight Program  
FROM: Scott  
SUBJ: Transfer of Eligible Oversight Case

Taxes to:  
Shell Oil Co  
P.O. Box 2029  
Houston, TX 77252

Site name: Shell Service Station  
Address: 1784 - 150th Ave. city S. Leandro zip 94578 (unicorp)  
Closure <sup>report</sup> ~~plan~~ attached?  Y N DepRef remaining \$ 5,500  
DepRef Project # \_\_\_\_\_ STID #(if any) 768  
Number of Tanks: 1 removed?  Y N Date of removal 11/86  
Samples received?  Y N Contamination: yes  
Petroleum  Y N Types: Avgas Jet leaded unleaded Diesel  
fuel oil waste oil? kerosene solvents  
Monitoring wells on site 1 Monitoring schedule?  Y N  
LUFT category 1 2  3 \*  H  S  C  A R  W G O  
Briefly describe the following:  
Preliminary Assessment one (1) well installed to date  
Remedial Action none yet required  
Post Remedial Action Monitoring NA  
Enforcement Action none

As worky  
11-10-86

Steel waste oil tank removed in Nov. 1986. Contamination by TOE detected at 196 ppm. No analyses for volatiles performed at that time. No GW was encountered in the excavation. In March 1990, one (1) GW monitoring well was installed by Weiss Associates. TPH-G ~~was~~ detected in unsaturated soil between depths of ~ 25 - 29 feet. BTEX was found in soil at 29 feet. GW has been sampled since 3/90, with detectable TPH-G/D, BTEX, 1,2-DCA, and PCE on one or more occasions. A request for the additional installation of two (2) more GW wells has been issued; The workplan was reviewed, a deficiency letter sent, and a response pending.

SHELL OIL CORPORATION

QUARTERLY REPORT TO

THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

Date of Report: September 16, 1991

Service Station WIC Number: 20468521404  
Site Address (Number, Street): 1784 150th Avenue  
City: San Leandro  
County: Alameda 94578

---

**Actions in the past three months:**

Collected 3rd quarter ground water samples and submitted 3rd quarter status report.

**Actions planned for next three months:**

Continue quarterly ground water monitoring.

Soil Contamination defined? Y\N   N    
Soil Clean-up in progress? Y\N   N    
Free-product plume defined? Y\N  NA   
Free-product cleanup in progress? Y\N  NA   
Dissolved constituent plume defined? Y\N   N    
Dissolved constituent cleanup in progress? Y\N   N  

Contractor: Weiss Associates, Emeryville, California.

---

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

August 22, 1991

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

RE: SHELL SERVICE STATION, 1784 150TH AVENUE, SAN LEANDRO, ALAMEDA COUNTY

Dear Mr. Bradstad:

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

Review of this report indicates that the chlorinated solvent DCA is found in concentrations (6.7 ppb) an order-of-magnitude above current state MCLs; PCE has also been found, although not since March 1990, in concentrations exceeding its MCL, also by an order-of-magnitude. This data tends to confirm that a release from the former waste oil underground storage tank (UST) had occurred.

The data further suggests that there may have been a fuel release at this site, in addition to the release from the waste oil tank. A potential fuel release is suggested by dissolved concentrations (26 ppb) of the volatile fuel constituent benzene. The current MCL for benzene is 1.0 ppb.

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

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

Mr. Jack Bradstad  
RE: Shell Station, 1784 150th Avenue  
August 22, 1991  
Page 2 of 4

The required tasks are as follows:

- 1) Submit a work plan for the installation of additional monitoring wells. Such wells are to be in sufficient number and appropriately located to enable calculation of the site-specific ground water gradient and flow direction, and to define the extent, or "zero-line", the contaminant plume;
- 2) Reinstate quarterly sampling for well MW-1;
- 3) Reinstate quarterly report submittal schedule. Such quarterly reports are required by Section 2652(d) of Title 23, California Code of Regulations (CCR);
- 4) Submit the boring log for well MW-1, completed during March 1990.

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

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

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

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

Mr. Jack Bradstad  
RE: Shell Station, 1784 150th Avenue  
August 22, 1991  
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- o Status of ground water contamination characterization
- o Interpretation of results: water level contour maps showing gradients, free and dissolved product plume definition maps for each target component, geologic cross sections, etc.
- o Recommendations or plans for additional investigative work or remediation

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

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

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

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

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

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

Mr. Jack Bradstad  
RE: Shell Station, 1784 150th Avenue  
August 22, 1991  
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cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health  
Edgar Howell, Chief, Hazardous Materials Division  
Gil Jensen, Alameda County District Attorney's Office  
Lester Feldman, RWQCB  
Howard Hatayama, DHS  
Jim Ferdinand, Eden Consolidated Fire District  
Joseph Theisen, Weiss Associates  
files

SHELL OIL CORPORATION

QUARTERLY REPORT TO

THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

Date of Report: March 15, 1991

Service Station WIC Number:	<u>20468521404</u>
Site Address (Number, Street):	<u>1784 150th Avenue</u>
City:	<u>San Leandro</u>
County:	<u>Alameda</u>

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**Actions in the past three months:**

Collected 4th quarter ground water samples and submitted quarterly status report.

**Actions planned for next three months:**

Continue quarterly ground water monitoring.

Soil Contamination defined? Y\N	<u>N</u>
Soil Clean-up in progress? Y\N	<u>N</u>
Free-product plume defined? Y\N	<u>NA</u>
Free-product cleanup in progress? Y\N	<u>NA</u>
Dissolved constituent plume defined? Y\N	<u>N</u>
Dissolved constituent cleanup in progress? Y\N	<u>N</u>

Contractor: Weiss Associates, Emeryville, California.

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**WEISS ASSOCIATES**

Fax: 415-547-5043

Phone: 415-547-5420

Geologic and Environmental Services

5500 Shellmound Street, Emeryville, CA 94608

**TRANSMITTAL LETTER**

**FROM:** Teresa Ogle

**DATE:** March 15, 1991

**TO:** Lawrence Seto  
Alameda County Health Department  
Hazardous Materials Department  
80 Swan Way, Room 200  
Oakland, California 94621

**VIA:**  First Class Mail  
 Fax \_\_\_ pages  
 UPS (Surface)  
 Federal Express  
 Courier

**SUBJECT:** CALWATER reports for Shell Oil Company.

**JOB:** 81-423-02

**AS:**  We discussed on the telephone on \_\_\_\_\_  
 You requested \_\_\_\_\_  
 We believe you may be interested  
 Is required

**WE ARE SENDING:**  Enclosed  
 Under Separate Cover Via \_\_\_\_\_

Copies of CALWATER reports sent to the RWQCB for Shell sites in your jurisdiction.

**FOR:**  Your information  
 Your use  
 Your review & comments  
 Return to you

**PLEASE:**  Keep this material  
 Return within 2  
 Acknowledge receipt

cc: Kurt Miller  
Shell Oil Company  
P.O. Box 4023  
Concord, CA 94524

91 MAR 18 11:12 AM

SHELL OIL CORPORATION

QUARTERLY REPORT TO

THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

Date of Report: December 17, 1990

Service Station WIC Number:	<u>20468521404</u>
Site Address (Number, Street):	<u>1784 150th Avenue</u>
City:	<u>San Leandro</u>
County:	<u>Alameda</u>

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**Actions in the past three months:**

Sampled ground water and submitted quarterly status report.

**Actions planned for next three months:**

Perform 1st quarter sampling and prepare report.

Soil Contamination defined? Y\N	<u>  N  </u>
Soil Clean-up in progress? Y\N	<u>  N  </u>
Free-product plume defined? Y\N	<u> NA </u>
Free-product cleanup in progress? Y\N	<u> NA </u>
Dissolved constituent plume defined? Y\N	<u>  N  </u>
Dissolved constituent cleanup in progress? Y\N	<u>  N  </u>

Contractor: Weiss Associates, Emeryville, California.

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SHELL OIL CORPORATION

QUARTERLY REPORT TO

THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

Date of Report: September 17, 1990

Service Station WIC Number:	<u>20468521404</u>
Site Address (Number, Street):	<u>1784 150th Avenue</u>
City:	<u>San Leandro</u>
County:	<u>Alameda</u>

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**Actions in the past three months:**

Sampled ground water and submitted quarterly status report.

**Actions planned for next three months:**

Perform 4th quarter sampling and prepare report.

Soil Contamination defined? Y\N	<u>N</u>
Soil Clean-up in progress? Y\N	<u>N</u>
Free-product plume defined? Y\N	<u>NA</u>
Free-product cleanup in progress? Y\N	<u>NA</u>
Dissolved constituent plume defined? Y\N	<u>N</u>
Dissolved constituent cleanup in progress? Y\N	<u>N</u>

Contractor: Weiss Associates, Emeryville, California.

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