

R0367
R02745**Wickham, Jerry, Env. Health**

From: Wickham, Jerry, Env. Health
Sent: Wednesday, June 07, 2006 5:56 PM
To: Weston, Robert, Env. Health
Subject: RE: Pea gravel sample results for waste oil tank removal activities at 1601 Webster Street, Alameda, Ca and 1784 150th Street, San Leandro, CA. - Re-use potential-

Rob,

Reuse looks OK to me for both sites.

Jerry Wickham

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

From: Weston, Robert, Env. Health
Sent: Wednesday, June 07, 2006 3:57 PM
To: Drogos, Donna, Env. Health; Wickham, Jerry, Env. Health
Subject: FW: Pea gravel sample results for waste oil tank removal activities at 1601 Webster Street, Alameda, Ca and 1784 150th Street, San Leandro, CA. - Re-use potential-
Importance: High

These reports are for gravel sampling results from two used oil tank removals. Please advise on the reuse potential at these sites. The contractor would like to button up the excavations ASAP.

Thanks

Robert Weston
Alameda County Department of Environmental Health
510 567-6781

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From: Dalie, Stewart [<mailto:SDalie@cambria-env.com>]
Sent: Wednesday, June 07, 2006 10:26 AM
To: Weston, Robert, Env. Health
Cc: Brown, Denis L SOPUS-OP-COR-H; Cool, Aubrey; Friel, Ana; Gibbs, David; Newton, Karen; Frank Kramer
Subject: Pea gravel sample results for waste oil tank removal activities at 1601 Webster Street, Alameda, Ca and 1784 150th Street, San Leandro, CA. - Re-use potential-
Importance: High

Mr. Weston,

6/9/2006

As noted by our field staff on 5/25/06, in association with the waste oil tank removal activities at the referenced sites, please find attached the pea gravel composite sample results. As you are aware the excavations are secured, lined with plastic, and backfilled with the pea gravel material. Please advise me as to the re-use potential of this material based on the attached laboratory results and your agency requirements, as we would like to inform the contractor ASAP whether they can re-use this material, or if we will need to coordinate disposal. If you have any additional questions please give me a call at (510) 420-3339.

Regards,

Stewart A. Dalie IV
Senior staff scientist
Field services manager
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
(510) 420-3339 phone
(510) 420-9170 fax
(510) 750-0206 cell
sdalie@cambria-env.com e-mail

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

May 30, 2006

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

Subject: Fuel Leak Case No. [REDACTED] Shell#13-5032, 1601 Webster Street, Alameda, CA –
Work Plan Approval

Dear Mr. Brown:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site and the document entitled, "Risk Evaluation and Work Plan," dated May 17, 2006, prepared on Shell's behalf by Cambria Environmental Technology. The "Risk Evaluation and Work Plan," recommends the installation of two shallow groundwater monitoring wells (S-8 and S-9) and one deeper monitoring well (S-4B). Screening of utility corridors and the kiosk using a photoionization detector are also proposed. ACEH concurs with the proposed scope of work.

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

TECHNICAL COMMENTS

1. **Geologic Cross Sections.** Geologic cross section A-A', which was presented in the "Soil and Groundwater Investigation Report," dated January 31, 2006, was useful in presenting the site stratigraphy and three-dimensional distribution of contamination in a direction generally perpendicular to the groundwater flow direction. Please present Cross section A-A' and one additional cross section, oriented approximately parallel to the groundwater flow direction, in the Soil and Groundwater Investigation Report requested below.

TECHNICAL REPORT REQUEST

Please submit technical reports to the Alameda County Environmental Health ftp site as described below, according to the following schedule:

- **August 15, 2006** - Quarterly Monitoring Report for the Second Quarter 2006
- **October 10, 2006** – Soil and Groundwater Investigation Report
- **November 15, 2006** - Quarterly Monitoring Report for the Third Quarter 2006

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

ELECTRONIC SUBMITTAL OF REPORTS

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

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

Mr. Denis Brown
May 30, 2006
Page 3

UNDERGROUND STORAGE TANK CLEANUP FUND

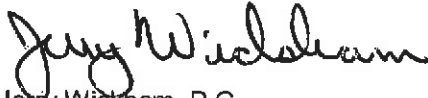
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

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

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

Sincerely,



Jerry Wickham, P.G.
Hazardous Materials Specialist

cc: Ana Friel
Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, CA 9540

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

R02745

Wickham, Jerry, Env. Health

To: Friel, Ana
Cc: Brown, Denis L SOPUS-OP-COR-H
Subject: RE: 1601 Webster Street, Alameda, Request for Extensions (SAP 135032)

Ana,

The requested extensions are acceptable.

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

From: Friel, Ana [mailto:afriel@cambria-env.com]
Sent: Wednesday, April 26, 2006 3:47 PM
To: Wickham, Jerry, Env. Health
Cc: Brown, Denis L SOPUS-OP-COR-H
Subject: 1601 Webster Street, Alameda, Request for Extensions (SAP 135032)
Importance: High

April 26, 2006

**RE: Shell-branded Service Station @ 1601 Webster St, Alameda
Request for Report Extensions
(ACEH # 13-503) (Shell SAP Code 135032) (Cambria Proj. # 248-0467)**

Jerry,

Cambria is in the process of completing the 1Q06 QMR for this site, which includes the monthly sampling of tank backfill well (TBW-N) from December and January, and the February coordinated monitoring event of all the wells.

During my review of the data, I noticed a questionable result for TPHg on the December lab report. After querying the laboratory, they responded that there was an error and are in the process of forwarding the revised report. We will also need a revised EDF report for GeoTracker, and a revised Blaine report/data table.

Also, for the February sample event, (as recommended in our January SIR), we had intended duplicate samples to go to two laboratories, to try to resolve the TPHg results between Shells' previous contract lab (STL who quantified C6-C12 for TPHg) and the new lab (TA which quantifies C4-C12 for TPHg, which includes some oxygenates resulting in higher TPHg results). Because of interim issues with these laboratories in late February, the quarterly samples were sent to KIFF. KIFF analyzed the samples and quantified them for C4 - C12, but did not also report the TPHg results for C6-C12. They are in the process of calculating the new results for two of the site samples with the greatest TPHg detections, TBW-N, and S-7. I anticipate receipt of this data in the next day or so, with corrected EDF to follow, and then a modified Blaine report and data table.

4/26/2006

Because of the revised lab reports, we will be unable to meet the requested submittal date of May 1, 2006. In order to submit a complete and correct monitoring report with appropriate GeoTracker uploads we will need an extension. On behalf of Shell, Cambria respectfully **requests a 10-day extension for submittal of the 1Q06 QMR to May 11, 2006.**

Cambria is also in the process of preparing the Risk Evaluation and Work Plan recommended in the January 2006 SI Report. Your approval letter requested submittal of that document by May 10, 2006. Because of the above-referenced delays and the need to evaluate the TPHg issues in the risk evaluation, a similar extension for submittal of this document is also desired. Cambria **requests an extension for submittal of the Risk Evaluation and Work Plan document to May 22, 2006.**

Please let us know if you will grant these extensions, and please contact me with any questions. Thank you for your consideration.

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

afriel@cambria-env.com

p (707) 268-3812

f (707) 268-8180

c (707) 845-4066

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
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FAX (510) 337-9335

February 22, 2006

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

Subject: Fuel Leak Case N [REDACTED] Shell#13-5032, 1601 Webster Street, Alameda, CA

Dear Mr. Brown:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site and the report entitled, "Soil and Groundwater Investigation Report," dated January 31, 2006, prepared on Shell's behalf by Cambria Environmental Technology. The report describes the results of a site investigation conducted between October 31 and November 3, 2005 to characterize the extent of soil and groundwater contamination. Based on results from six soil borings and six cone penetrometer (CPT) borings, the report concluded that the maximum concentrations of total petroleum hydrocarbons as gasoline (TPHg) are centered near the UST complex, maximum benzene concentrations are found south of the dispenser islands, and maximum MTBE concentrations are found at the northeastern property boundary. The report concluded that the dissolved fuel hydrocarbons found on-site and off-site are the result of multiple releases. Dissolved fuel hydrocarbons were detected at elevated concentrations in depth-discrete groundwater samples collected off-site beneath Webster Street. MTBE was also detected at elevated concentrations in an off-site well (MW-6) approximately 225 feet northeast of the site. The report included several recommendations for additional work, which are discussed in the technical comments below.

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

TECHNICAL COMMENTS

1. **Well MW-1 on Unocal Site.** ACEH concurs with the recommendation to include well MW-1, located on the Unocal site to the north, in quarterly monitoring for the Shell site. Please include the results in the quarterly monitoring reports requested below.
2. **Geologic Cross Sections.** Geologic cross section A-A' was useful in presenting the site stratigraphy and three-dimensional distribution of contamination in a direction generally perpendicular to the groundwater flow direction. Following further plume delineation, please consider the preparation of one additional cross section oriented approximately parallel to the groundwater flow direction.

3. **Monthly Extraction.** ACEH does not object to discontinuing monthly vacops from well TBW-N. Continued monthly gauging for separate phase hydrocarbons (SPH) and sampling of TBW-N will take place for a minimum of one quarter. If the SPH returns or if the concentrations of fuel hydrocarbons increase significantly in well TBW-N or downgradient wells, monthly vacops or another interim remedial option is to be implemented.
4. **Screening-Level Risk Evaluation and Work Plan.** ACEH concurs with the recommendation to perform a screening-level risk evaluation and to prepare a work plan to complete plume delineation as requested below.

TECHNICAL REPORT REQUEST

Please submit technical reports to the Alameda County Environmental Health ftp site as described below, according to the following schedule:

- **May 1, 2006** - Quarterly Monitoring Report for the First Quarter 2006
- **May 10, 2006** – Screening-Level Risk Evaluation and Work Plan
- **August 1, 2006** - Quarterly Monitoring Report for the Second Quarter 2006

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

ELECTRONIC SUBMITTAL OF REPORTS

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

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

Mr. Denis Brown
February 22, 2006
Page 4

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, prominent initial "J".

Jerry Wickham, P.G.
Hazardous Materials Specialist

cc: Ana Friel
Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, CA 9540

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

Wickham, Jerry, Env. Health

From: Friel, Ana [afriel@cambria-env.com]
Sent: Tuesday, November 15, 2005 8:51 AM
To: Wickham, Jerry, Env. Health
Cc: Brown, Denis L SOPUS-OP-COR-H
Subject: FW: 1601 Webster St, Alameda - new well needs replacing.

Jerry, please review the email message below regarding one of the new wells at 1601 Webster St, Alameda. Please let me know if you have any questions.

Regards,

Ana Friel
Senior Project Geologist
Cambria Environmental Technology, Inc.
(707) 268-3812
fax (707) 268-8180
afriel@cambria-env.com

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

From: Friel, Ana
Sent: Tuesday, November 15, 2005 8:27 AM
To: 'Brown, Denis L SOPUS-OP-COR-H'
Cc: Murphy, Martha; Baertschi, Dennis; Dalie, Stewart; Lundquist, Diane
Subject: 1601 Webster St, Alameda - new well needs replacing.

Denis,

As you know, Cambria completed the installation of the monitoring wells at this site on Nov. 1. Blaine was onsite yesterday to develop the wells. I received a call from Blaine telling me that well S-6 was tagged at 10.5 fbg instead of 12 and that they were pulling out pieces of well screen, filterpack sand, and a lot of silt. I had them put the pieces of the PVC in a baggie for us to view.

Stu Dalie visited the site this morning and concurred that the PVC pieces were indeed part of the well, and that the well appears to be damaged.

We do not know how the damage occurred; but, Gregg has agreed to replace the well, and it is scheduled for November 28th. Cambria will be doing MBI notification today, and will need to re-do the USA efforts, because our previous ticket for the work has already expired.

We have already received an extension for submittal of the report (due date is January 31, 2006), and this should not effect that report. Since Blaine is scheduled to sample the site wells before S-6 will be replaced, I told them to collect a 'grab' sample from (the damaged well) S-6, if sufficient water is available; but not to purge the well.

This email is just to inform you of what has happened, and what we are doing to remedy the situation. Please let me know if you have any questions.

Ana Friel
Senior Project Geologist
Cambria Environmental Technology, Inc.
(707) 268-3812
fax (707) 268-8180

11/15/2005

Wickham, Jerry, Env. Health

From: Wickham, Jerry, Env. Health
Sent: Thursday, November 10, 2005 11:03 AM
To: Friel, Ana; 'Brown, Denis L SOPUS-OP-COR-H'
Subject: Schedule extension 1601 Webster, Oakland

Denis and Ana,

Based on your request dated November 8, 2005, the schedule for submittal of the technical report for 1601 Webster Street is extended to January 31, 2006.

Have a good weekend.

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

11/10/2005

C A M B R I A

November 8, 2005

Mr. Jerry Wickham
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Alameda County
NOV 11 2005
Environmental Health

Re: **Status Update and Request for Extension**
Shell-branded Service Station
1601 Webster Street
Alameda, California
SAP Code 135032
Incident No. 97564701
Fuel Leak Case No. RO0002745 (Shell # 12-5032)



Dear Mr. Wickham:

Cambria Environmental Technology, Inc. (Cambria) has prepared this correspondence on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell). The purpose of this correspondence is to provide you with a status update of the site investigation activities at this site, and to request an extension for submittal of the Technical Report.

Status Update

Cambria completed the installation of wells S-2 through S-7 and CPT borings SB-9 through SB-14 last week (November 2, 2005). The borings proposed offsite on property to the north of the subject site (SB-15 and SB-16) were not installed because the parcel is under construction and the area is inaccessible for extending borings.

The soil and groundwater samples from the above-referenced activities are currently being analyzed. Cambria is scheduling the development, sampling, and survey activities for the new wells.

Request for Extension

In the Alameda County Health Care Services correspondence dated August 8, 2005, you requested that the subsurface investigation report be submitted by December 19, 2005.

**Cambria
Environmental
Technology, Inc.**

Based on the date of field activities, Cambria anticipates receiving the soil and groundwater sample results from the laboratory by November 18, 2005. Further, the survey, development, and

C A M B R I A

sampling of the wells will occur in November, with receipt of groundwater samples results in early December. In order to prepare a thorough report and allow for adequate internal and client reviews during the holiday season, Cambria respectfully requests an extension for the submittal of this report to **January 31, 2006**.

Closing

Your consideration in this matter is appreciated. Please contact me if you have any questions regarding this request.



Sincerely,
Cambria Environmental Technology, Inc.

Ana Friel
Senior Project Geologist
PG 6452

cc: Mr. Denis Brown, Shell Oil Products US

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

August 8, 2005

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

Dear Mr. Brown:

Subject: Fuel Leak Case No. ~~R00005745~~, Shell#13-5032, 1601 Webster Street, Alameda, CA

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the subject site and the work plan entitled, "Site Investigation Work Plan," dated July 13, 2005, prepared on Shell's behalf by Cambria Environmental Technology. We generally concur with the work proposed. We request that you address the following technical comments, perform the proposed work, and send us the reports described below. Please provide 72-hour advance written notification to this office (e-mail preferred to jerry.wickham@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Depth-discrete Groundwater Samples.** The Work Plan indicates that targeted intervals for groundwater sampling in the proposed soil borings may be adjusted based on the soil types. We request that the CPT data be used to target zones with higher hydraulic conductivity for groundwater sampling in each of the proposed borings.

TECHNICAL REPORT REQUEST

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

- **November 1, 2005** - Quarterly Report for the Third Quarter 2005
- **December 19, 2005** - Subsurface Investigation Report
- **February 1, 2006** - Quarterly Report for the Fourth Quarter 2005

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

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following:

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

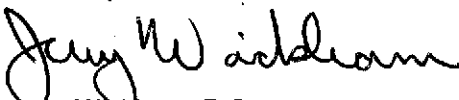
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

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

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

Sincerely,



Jerry Wickham, P.G.
Hazardous Materials Specialist

cc: Ana Friel
Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, CA 9540

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



7

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

May 13, 2005

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

Dear Mr. Brown:

Subject: Fuel Leak Case No. RO0002745, Shell#13-5032, 1601 Webster Street, Alameda, CA

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the subject site and the report entitled, "Soil and Groundwater Investigation Report," dated February 18, 2005, prepared by Cambria. An electronic copy of this report was received on the Geotracker website. Please submit one hard copy of this report for ACEH files. The Soil and Groundwater Investigation Report presented the results of soil and groundwater sampling conducted between November 30, 2004 and February 4, 2005. Soil and groundwater samples were collected from eight of ten proposed soil borings on site. The soil and groundwater sampling was conducted in accordance with the "Soil and Groundwater Investigation Work Plan and Agency Response," dated November 30, 2004 with the variances discussed below.

The investigation at the subject site is being conducted in response to an unauthorized fuel release that occurred at the site on August 19, 2004. Interim remediation activities that include product removal and groundwater extraction have been ongoing since August 19, 2004. Groundwater extraction is currently conducted monthly.

Based on ACEH staff review of the documents referenced above, we request that you address the following technical comments, perform the proposed work, and send us the reports described below.

TECHNICAL COMMENTS

- 1. Conclusions – Impact to Soils.** The conclusion stated in the Soil and Groundwater Investigation Report, that the August 2004 fuel release did not significantly impact soils requires qualification based on the data presented. Although, total petroleum hydrocarbons as gasoline (TPHg) were not detected in the soil samples collected downgradient from the USTs, soil samples have not been collected from the immediate vicinity of the tank pit. Based on the release and recovery of product from the tank pit, a significant impact to soils in the immediate area of the tank pit is likely to have taken place. TPHg has been detected in groundwater samples from tank backfill well TBW-N at concentrations ranging from 57,000 to 160,000 micrograms per liter ($\mu\text{g/L}$). Based on these relatively high concentrations in groundwater and typical sorption properties for soil, TPHg can be expected to be sorbed to soil in the immediate vicinity of the tank pit. Although GWE has been conducted periodically for several months from the tank backfill wells, high concentrations of TPHg, toluene, and

xylenes have continued to be detected in groundwater samples from well TBW-N, indicating that a source of TPHg is present in the immediate vicinity of the tank pit.

- 2. Conclusions - Vertical Characterization.** We agree with the conclusion in the Soil and Groundwater Investigation Report that the vertical distribution of hydrocarbons in groundwater cannot be fully described based on existing data. Due to refusal for hand-auger clearance on several attempts, two of the proposed borings could not be advanced. Depth-discrete groundwater samples were to have been collected at first encountered groundwater, 10 feet below grade (fbg), and 15 fbg from each boring. Due to slow recharge, groundwater samples were collected from 10 fbg at only one location. Depth-discrete groundwater samples were not collected from first encountered groundwater. Instead, groundwater samples were collected from the top of the water column in well screens that extended to a depth of approximately 15 fbg.

The highest concentration of methyl tert-butyl ether detected in groundwater was 24,000 µg/L in the sample collected 15 fbg from boring SB-1. Since groundwater samples were not collected at depths greater than 15 fbg, additional vertical delineation is needed to define the vertical extent of contamination. Please include your plans for defining the vertical extent of contamination in the Work Plan requested below.

- 3. Conclusions - Source of MTBE.** Since the hydraulic gradients previously observed at the site are generally consistent with an on-site source for the TPHg and MTBE observed in boring SB-1, discussion of an off-site source of MTBE does not appear to be supported by site conditions.
- 4. Installing Monitoring Wells On-site.** We agree with the recommendation to install monitoring wells on-site since the only existing monitoring wells at the site are within the tank backfill. Please include your plans to install monitoring wells on-site in the Work Plan requested below.
- 5. Collecting Additional Samples from Borings for the Proposed Wells.** We agree with the recommendation to collect soil samples from all borings for the proposed wells and depth discrete groundwater samples from first encountered groundwater in all locations and at 15 fbg at locations where samples were not previously collected at 15 fbg. Please include your plans for conducting these activities in the Work Plan requested below.
- 6. Surveying and Concurrent Gauging.** Surveying all wells and conducting concurrent groundwater gauging and monitoring to assess area-wide gradients and concentrations is to be conducted as recommended. Please include your plans to conduct these activities in the Work Plan requested below.
- 7. Preferential Pathways.** We agree with the recommendation in the Soil and Groundwater Investigation Report that the potential for off-site migration via the 8-inch sanitary sewer in Webster Street requires evaluation. However, we do not agree that the evaluation of potential preferential pathways should be conducted after groundwater gradient and chemical data from the monitoring wells are available. Previous data at the site have consistently shown a hydraulic gradient to the north to northeast. Sufficient chemical data are available from the Soil and Groundwater Investigation Report to plan an investigation of preferential pathways. ACEH requests that other utilities along Webster Street in addition to the 8-inch

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, P.G.
Hazardous Materials Specialist

cc: Mr. Matthew Derby
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608

Donna Drogos
File

Chan, Barney, Env. Health

From: Petryna, Karen E SOPUS [karen.petryna@shell.com]
Sent: Wednesday, January 12, 2005 5:05 PM
To: Chan, Barney, Env. Health
Cc: afriel@cambria-env.com; 'Derby, Matt'
Subject: RE: 1601 Webster St., Alameda, CA, RO2745

Dear Barney,

Happy New Year!

As of December 20, 2004, we had received all analytical results from the subject investigation. According to our Work Plan, we promised to get a full report to you within 60 days after that, which would be February 20, 2005. We did not identify any conduits that would directly transmit chemicals from Shell's USTs to the Unocal/76 site, and preliminarily it doesn't appear that TPHg/BTEX has travelled very far as a result of the catastrophic release from the Shell UST last August. This is not surprising since we quickly recovered all but about 100 gallons. So it doesn't appear that any further expedited activities are warranted here. Nevertheless, we will get a report to you as soon as we can which will propose additional investigation, as appropriate.

I will have Cambria contact ConocoPhillips to see if and when they plan to sample their MW-1. We would also be glad to share the results of our investigation with COP and will offer that.

Thank you,
Karen

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

From: Chan, Barney, Env. Health [mailto:barney.chan@acgov.org]
Sent: Wednesday, January 12, 2005 10:30 AM
To: Karen Petryna (E-mail)
Cc: 'mderby@cambria-env.com'
Subject: 1601 Webster St., Alameda, CA, RO2745

Dear Karen and Matt:

Just wanted to comment on your November 30, 2004 Soil and Groundwater Investigation Work Plan and Agency Response:
I know the onsite investigation has occurred and you are waiting for results prior to issuing a report. Please let me know when the report will be completed and sent to our office. Are there any analytical results yet, reason being, that your report identified potential offsite conduits and sensitive receptors. Even though the Unocal at 1629 Webster has been requested, no sampling on the most likely impacted well on their property (MW-1) has been performed. It would seem prudent for both Unocal and Shell to know if this well has been impacted. Mr. Thomas Kosel of Connoco Philips (916-558-7666) has been requested to sample this well. Hopefully, you can share this data, or expedite sampling.

Sincerely

Barney M. Chan
Hazardous Materials Specialist
Alameda County Environmental Health

1/13/2005



002765

Via electronic mail—hardcopy to follow by U.S. mail

December 8, 2004

Donna L. Drogos, P.E.
Supervising Hazardous Materials Specialist
Department of Environmental Health
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Alameda County
DEC 13 2004
Environmental Health

RE: Shell-ACEH Meeting on November 4, 2004

Dear Ms. Drogos:

This letter is offered to document the requests and statements made at the subject meeting and also to inform you we are in the process of producing a prioritized list of our cases in Alameda County Environmental Health (ACEH) jurisdiction.

You requested the following:

1. Shell is to provide you with a list of our open environmental cases in ACEH's jurisdiction in the order that Shell would like them addressed by ACEH.
2. Shell is to provide ACEH with a regularly updated spreadsheet of all our open environmental cases' site data and status, the format for which has not yet been established, pending completion of an ACEH database.
3. Shell is to provide 2-3 day notification, by email, of scheduled field work.¹
4. Shell is to provide a list of property owners whose real property we propose accessing for investigation purposes as soon as we receive work plan approval from ACEH.
5. In the case of closure requests, ACEH would like a "package" with confirmation from Shell that the subject case is Shell's number one priority for closure.
6. ACEH caseworkers assigned to Shell sites do not want to be contacted by phone for inquiries regarding the status of review of submitted work plans and reports.
7. Requests for extensions to due dates for reports and work plans should be made via email to the ACEH caseworker. These requests may be made by Shell's consultant who must copy Shell.
8. All reports submitted to ACEH should include recommendations and plans for future work.

In our meeting, you indicated you would provide Shell with the following:

1. Standard form that we should attach to future submittals which identifies the type of report enclosed as well as the site's real property owner, who should also be copied.
2. List of fields you will be populating in the database you are developing.

¹ Please let us know who we should notify by email and, if it is the ACEH-assigned caseworker, who we should notify when none is assigned.

You also informed Shell that ACEH has not identified a primary caseworker to address Shell site cases. Exceptions are sites in Livermore and Pleasanton, which are assigned to Mr. Robert Schultz, and three sites assigned to Mr. Barney Chan, namely, 1230 14th St., Oakland, 461 8th St., Oakland, and 1601 Webster St., Alameda.

Following are site-specific issues discussed:

R02745
For 1601 Webster St., Alameda, ACEH requested a copy of the Unauthorized Release Report (URR), dated 8-19-04, and submitted to Mr. Rob Weston of ACEH on 8-23-04, also be submitted to Barney Chan. The requested URR was emailed to Mr. Chan on 11-4-04.

For 3790 Hopyard Rd., Pleasanton, ACEH requested the name and contact information for the owners of the real property at 3730 Hopyard, for which Shell is seeking access to conduct investigation be submitted to Robert Schultz. The requested information was emailed to Mr. Shultz on 11-5-04.

In lieu of a meeting to discuss the conditions and Technical Comments that ACEH listed with its 8-13-04 approval letter for our *June 30, 2004 Agency Response, Revised SCM, & Modified Work Plan*, as discussed during the subject meeting, Shell will shortly provide ACEH with a letter documenting the work we will conduct, addressing the Technical Comments. In addition, an update on the status of access to all three real properties Shell is seeking will be submitted weekly to ACEH until we can report when all agreements have been executed and the field work has been scheduled. At that time Shell will propose a new due date to report the results of our on-site and off-site investigations.

Best Regards,
Shell Oil Products US



Karen Petryna, P.E.
Sr. Environmental Engineer
HSEQ/Science & Engineering

cc: Mr. Ariu Levi, Alameda County Health Care Services Agency
Mr. Robert Schultz, Alameda County Health Care Services Agency
Mr. Barney Chan, Alameda County Health Care Services Agency
Ms. Betty Graham, Regional Water Quality Control Board-San Francisco Bay Region
Mr. Matt Katen, Alameda County Zone 7
Ms. Karen Lyons, Western Region Manager, Shell Oil Products US
Mr. Tim Franceschini, Shell Global Solutions (US) Inc.
Mr. Matthew Derby, Cambria Environmental Technology, Inc.
Ms. Ana Friel, Cambria Environmental Technology, Inc.
Mr. Lee Dooley, Delta Environmental Consultants, Inc.
Mr. Ross Tinline, Toxichem Management Systems, Inc.

Chan, Barney, Env. Health

To: Karen Petryna (E-mail)
Cc: mderby@cambria-env.com
Subject: 1601 Webster St., Alameda, CA, RO2745

Dear Karen and Matt:

Just wanted to comment on your November 30, 2004 Soil and Groundwater Investigation Work Plan and Agency Response:

I know the onsite investigation has occurred and you are waiting for results prior to issuing a report. Please let me know when the report will be completed and sent to our office. Are there any analytical results yet, reason being, that your report identified potential offsite conduits and sensitive receptors. Even though the Unocal at 1629 Webster has been requested, no sampling on the most likely impacted well on their property (MW-1) has been performed. It would seem prudent for both Unocal and Shell to know if this well has been impacted. Mr. Thomas Kosel of Connoco Philips (916-558-7666) has been requested to sample this well. Hopefully, you can share this data, or expedite sampling.

Sincerely

Barney M. Chan
Hazardous Materials Specialist
Alameda County Environmental Health
510-567-6765

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



October 28, 2004

Ms. Karen Petryna
20945 S. Wilmington Ave.
Carson, CA 90810

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

Dear Ms. Petryna:

Subject: Fuel Leak Case RO0002745, Alameda Shell #13-503, 1610 Webster St.,
Alameda, CA 94502

Alameda County Environmental Health staff is aware of the accidental release of approximately 2084 gallons of petroleum fuel from the rupture of an underground storage tank, occurring on August 19, 2004 at the referenced site. We are aware that immediate emergency response activities were performed to collect the fuel, which had discharged to the shallow groundwater beneath the site. Because of the emergency status of this site and other potential risks the release may have caused, our office requested an informational update in my September 2, 2004 e-mail. Five items, consistent with Article 5 of CCR, Title 23, Division 3, Chapter 16, UST Regulations, Release Reporting and Initial Abatement Requirements, were requested. It appears that there was confusion as to the due date for the requested information. You apparently were waiting for a formal request for this information, presumably with specified due dates. Although no written request was sent by our office, reports required by Article 5 apparently have not been submitted to our office ie 2652 (c) requires a full written report within five working days of detecting an unauthorized release and 2655 (e) requires a free product removal report within 45 calendar days of release confirmation.

In response to our office's e-mail inquiry regarding the requested items, your October 21, 2004 e-mail provided all information to date from your consultant. Unfortunately, the e-mails were limited to a collection of data, lacking any discussion or interpretation and it is unacceptable in its current state.

We request that you address the following technical comments in the technical report, which you have committed to submit by November 30, 2004.

TECHNICAL COMMENTS

List of items initially requested and clarification:

1. Summary of estimates of release and recovery volumes of gasoline. Supporting data, calculations and manifests for free product disposal should be provided.
2. Summary of amounts of groundwater removed from the site and estimated future removal amounts. Manifests for disposal should be presented. Groundwater

October 28, 2004
Ms. Karen Petryna
1610 Webster St., Alameda, CA 94502
Page 2

analyses has consisted of TPHg, BTEX and MTBE. Please also include the analysis of the other ether oxygenates, lead scavengers and ethanol. Please confirm the formulation of the fuel currently being used at this site.

3. Utilities and preferential pathway survey. Could storm, sanitary or other utility lines be acting as preferential pathways? Submit a map and cross-section(s) showing the depth and location of all utility lines and trenches within and near the site and anticipated plume are.
4. Sensitive receptor survey, any nearby homes, basements, domestic or municipal wells? The survey should also include any destroyed or environmental wells within a ½ radius of the site. Your initial results failed to supply this information for known UST sites within this radius. The monitoring wells at the former Tosco station at 1629 Webster would be of particular interest to see if the release was detected as an increase in concentrations in their monitoring well network.
5. What other interim remediation can be done at the site? (We) suggest at least cleaning out and extracting from the other tank backfill wells. It appears that the previous groundwater extraction has been from the north backfill well only. Can the other wells be used for extraction? How often and for how long will this interim remediation continue?

Contaminant Plume Definition

6. We request that you perform a detailed, expedited site assessment using depth discrete sampling techniques on borings installed along transects to define and quantify the full three dimensional extent of MTBE, TPHg, BTEX and other contaminants. Please pursue any off-site access agreements necessary to complete your investigation. Based upon the results of your assessment, your investigation report should recommend an appropriate monitoring well network.

Local Hydrogeology and Groundwater Flow Conditions

7. Please provide a summary of the groundwater flow conditions at the site. This should include past data from this site and neighboring sites and include such things as cross sections and rose diagrams.

Technical Report Request

Please submit the following technical reports according to the following schedule:

- November 30, 2004- Summary report addressing all items (1-7) including your work plan for plume definition.

October 28, 2004

Ms. Karen Petryna

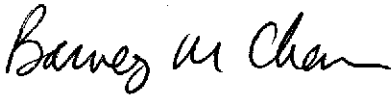
1610 Webster St., Alameda, CA 94502

Page 3

- 180 days after work plan approval- Soil and Groundwater Investigation report.
- February 28, 2005 – Quarterly update of site

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

Sincerely,



Barney M. Chan

Hazardous Materials Specialist

C: B. Chan, D. Drogos, R. Weston, B. Schultz

M. Derby, Cambria Environmental, 5900 Hollis St., Suite A, Emeryville, CA 94608

1601Webster 10_28_04

REGULATORS HOME | RESTART WIZARD

[LOGOUT](#)

UNAUTHORIZED RELEASE FORM WIZARD

YOUR UNAUTHORIZED RELEASE FORM HAS BEEN SUBMITTED
URF CONFIRMATION NUMBER: 7776334464

[CLICK HERE TO EDIT THIS CASE IN MANAGE CASES 2.0](#)
[CLICK HERE TO CREATE ANOTHER UNAUTHORIZED RELEASE](#)

LOGGED IN AS ROSEANNA

REGULATORS HOME | RESTART WIZARD

LOGOUT

UNAUTHORIZED RELEASE FORM WIZARD

--YOUR URF HAS NOT YET BEEN SUBMITTED TO GEOTRACKER--
 CLICK ON "SUBMIT UNAUTHORIZED RELEASE FORM" TO SUBMIT THE URF.

THIS WILL BE YOUR URF TRACKING NUMBER: 7776334464

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE/CONTAMINATION SITE REPORT

<u>REPORT DATE</u>	<u>HAZARDOUS MATERIAL INCIDENT REPORT FILED WITH OES?</u>
09-02-04	N

**I. REPORTED BY -
 PRIMARY RESPONSIBLE PARTY**

<u>CONTACT NAME</u>	<u>INITIALS</u>	<u>ORGANIZATION NAME</u>	<u>EMAIL ADDRESS</u>
KAREN PETRYNA		SHELL OIL PRODUCTS US	
<u>ADDRESS</u>		<u>CONTACT DESCRIPTION</u>	
P.O. BOX 7869		Responsible Party	
BURBANK, CA 91510-7869			
USA			

<u>PHONE TYPE</u>	<u>PHONE NUMBER</u>	<u>EXTENSION</u>
work	(559)-645-9306	

**II. RESPONSIBLE PARTY -
 PRIMARY RESPONSIBLE PARTY**

<u>CONTACT NAME</u>	<u>INITIALS</u>	<u>ORGANIZATION NAME</u>	<u>EMAIL ADDRESS</u>
KAREN PETRYNA		SHELL OIL PRODUCTS US	
<u>ADDRESS</u>		<u>CONTACT DESCRIPTION</u>	
P.O. BOX 7869		Responsible Party	
BURBANK, CA 91510-7869			
USA			

<u>PHONE TYPE</u>	<u>PHONE NUMBER</u>	<u>EXTENSION</u>
work	(559)-645-9306	

III. SITE LOCATION

<u>FACILITY NAME</u>	<u>FACILITY ID</u>
SHELL #13-5032	
<u>FACILITY ADDRESS</u>	<u>ORIENTATION OF SITE TO STREET</u>
1601 WEBSTER ST	
ALAMEDA, CA 94501	
<u>ALAMEDA COUNTY</u>	<u>CROSS STREET</u>

V. SUBSTANCES RELEASED

<u>SUBSTANCE RELEASED</u>	<u>DESCRIPTION</u>	<u>QUANTITY LOST</u>
GASOLINE - AUTOMOTIVE		2000 GALLONS

VI. DISCOVERY/ABATEMENT

<u>DATE DISCHARGE BEGAN</u>		
08-19-04		
<u>DATE DISCOVERED</u>	<u>HOW DISCOVERED</u>	<u>DESCRIPTION</u>
08-19-04	UM	
<u>DATE STOPPED</u>	<u>STOP METHOD</u>	<u>DESCRIPTION</u>
	OT	

VII. SOURCE/CAUSE

<u>SOURCE OF DISCHARGE</u>	<u>CAUSE OF DISCHARGE</u>
T	UNK
<u>DISCHARGE DESCRIPTION</u>	

VIII. CASE TYPE			
CASE TYPE UNDETERMINED			
IX. REMEDIAL ACTION			
<u>REMEDIAL ACTION</u>	<u>BEGIN DATE</u>	<u>END DATE</u>	<u>DESCRIPTION</u>
X. GENERAL COMMENTS			
XI. CERTIFICATION			
I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.			
XII. REGULATORY USE ONLY			
<u>LOCAL AGENCY CASE NUMBER</u>		<u>REGIONAL BOARD CASE NUMBER</u>	
RO0002745			
LOCAL AGENCY - LEAD AGENCY			
<u>CONTACT NAME</u>	<u>INITIALS</u>	<u>ORGANIZATION NAME</u>	<u>EMAIL ADDRESS</u>
BARNEY CHAN	BC	ALAMEDA COUNTY LOP	
<u>ADDRESS</u>	<u>CONTACT DESCRIPTION</u>		
1131 HARBOR BAY PARKWAY ALAMEDA, CA 94502 USA	Hazardous Materials Specialist Alameda County Department of Environmental Health		
PHONE TYPE		PHONE NUMBER	EXTENSION
Phone		(510)-567-6765	
REGIONAL BOARD			
<u>CONTACT NAME</u>	<u>INITIALS</u>	<u>ORGANIZATION NAME</u>	<u>EMAIL ADDRESS</u>
BETTY GRAHAM	BG	SAN FRANCISCO BAY RWQCB (REGION 2)	
<u>ADDRESS</u>	<u>CONTACT DESCRIPTION</u>		
1515 CLAY ST, STE 1400 OAKLAND, CA 94612 USA			
PHONE TYPE		PHONE NUMBER	EXTENSION
BUSINESS		(510)-622-2358	
<input type="button" value="← BACK"/>		<input type="button" value="SUBMIT UNAUTHORIZED RELEASE FORM"/>	

LOGGED IN AS ROSEANNA

1601WEBSTER 2745**Chan, Barney, Env. Health**

From: Petryna, Karen E SOPUS [KEPetryna@ShellOPUS.com]
Sent: Thursday, October 21, 2004 11:34 AM
To: Chan, Barney, Env. Health
Cc: 'Matt Derby'
Subject: FW: 1601 Webster St., Alameda Shell #13-503

Barney,

Here is the information we've collected so far. Per your request, I've asked Matt to include hard copies of this in the work plan we will be submitting by November 30.
 Thank you,

Karen Petryna, P.E.
 Sr. Environmental Engineer, Western Region
 HSE/Science & Engineering
 Shell Oil Products US
 Phone: (559) 645-9306
 Fax: (559) 645-5643
 email: kepetryna@shellopus.com
 -----Original Message-----

From: Derby, Matt [mailto:mderby@cambria-env.com]
Sent: Wednesday, October 20, 2004 9:06 PM
To: Petryna, Karen E SOPUS
Subject: FW: 1601 Webster St., Alameda Shell #13-503

Karen:

This message responds to the message you received from Alameda County Environmental Health today. This message is suitable for forwarding directly.

My September 14, 2004 e-mail to Barney Chan also inquired about the written directive he indicated would follow regarding this site and requested specification of a due date. No response was received. A text copy of the email is attached for your reference.

In response to the agency email request, ~~items 1 and 2 are responded to by the attached 3 tables and 2 figures.~~

Table 1 - Grab Groundwater Analytical Data – data from 12 grab groundwater samples.

Table 2 - Groundwater and SPH Gaging Data – summarizes the water level history and thickness of SPH in the tank backfill well

Table 3 – Groundwater and Product Removal Data – summarized water volume pumped to date, estimated SPH volume removed, and estimated dissolved phase hydrocarbon equivalent volume removed by groundwater pumping

Figure 3 illustrates the Depth to Water and Free Product Thickness over time.

Figure 4 illustrates the Groundwater Pumping Volume, SPH Thickness, and TPHg Concentrations over time.

Regarding item # 3:

We are initiating a utility survey at the site to investigate the existence of utilities at the site.

Regarding item #4:

Cambria, at Shell's request, conducted a well survey in February 2004 by researching California Department of Water Resources records and the Geotracker database. No public water supply wells were found. Seven non PWS wells within radius were found. The attached Figure 1 illustrates the identified well locations, and Table 4 summarizes the well survey findings. Copies of DWR logs researched are attached as Attachment

10/21/2004

A. Note that well number 1 could not be found in the field by Cambria, and is therefore assumed inactive and abandoned.

One side of the site abuts a residential property to the west of the site, this is up- and cross-gradient of the site. Groundwater is known to flow generally northerly, from prior data from this site, as well as from the open LUFT case data for the adjacent former TOSCO service station site at 1629 Webster St, according to Geotracker. It is unknown if a basement is present at that location. Cambria will conduct a sensitive receptor survey to determine if basements are present in neighboring residences and buildings within 200 feet of the property, per Shell's specifications.

Regarding item #5:

From August 19, 2004 until September 10, 2004, groundwater extraction by vacuum truck was conducted at least daily from the ~~northern tank backfill well~~. From September 10, 2004 until the present, groundwater extraction by vacuum truck has been conducted weekly. Groundwater levels were gaged before, during and after each event. SPH thicknesses were gaged while SPH was present. Separate phase SPH is no longer present in the tank backfill well. Currently, between approximately 3,000 and 4,000 gallons of groundwater are extracted during each event. Beginning on August 26, 2004, data from these events are summarized in Tables 1, 2 and 3. ~~Three tank backfill wells, the northerly, westerly and southerly, were closed by vacuum truck on September 9, 2004. The eastern tank backfill well appears to have a damaged casing, as the well became shallower after material removal by vacuum truck.~~

Weekly groundwater extraction by vacuum truck will continue for the time being.

~~A subsequent report with our findings of the sensitive receptor and utility survey, with a work plan for soil and groundwater investigation will be submitted by November 30, 2004.~~

We will also review the requirements of Title 23, Division 3, Chapter 16, Article 5 and will discuss those requirements with you.

This submittal will also be transmitted in hard copy to the agency, and the related data uploaded into Geotracker as soon as the site is available to Cambria for uploading.

As always, please contact me if you have any questions or need any additional information.

Matthew W. Derby, P.E.
Sr. Project Engineer
Cambria Environmental Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
510.420.3332 tel
510.420.9170 fax
mderby@cambria-env.com

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

From: Petryna, Karen E SOPUS [mailto:KEPetryna@ShellOPUS.com]
Sent: Wednesday, October 20, 2004 4:48 PM
To: 'Chan, Barney, Env. Health'
Cc: 'Matt Derby'
Subject: RE: 1601 Webster St., Alameda Shell #13-503

Barney,

Thank you for your response and your reminder to comply with requirements. We will continue to endeavour to comply with all requirements. I understand why you made your requests. Per the section of your initial email below which I have bolded and highlighted, I was expecting "a request..." would "follow" and I wanted to make sure I hadn't missed anything you might have sent in the mail. Thank you for confirming you have not made any additional requests.

Regarding your five requests below, we can provide you with the information we have collected so far

10/21/2004

immediately. We will start emailing it to you. We can follow the emails with hard copies by mail or include them in the work plan, as you prefer.

Karen

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

From: Chan, Barney, Env. Health [mailto:barney.chan@acgov.org]
Sent: Wednesday, October 20, 2004 9:22 AM
To: Petryna, Karen E SOPUS
Subject: RE: 1601 Webster St., Alameda Shell #13-503

Karen: I did not send out a "hard copy" request for these items. These items were requested since this site was an "emergency" and it is important to know this information to prevent further emergency situations. At this point, I cannot assess the extent and residual threat to human health or the environment without some "hard" information such as that requested. Please provide this information ASAP (hopefully before November 30). However, a work plan for soil and gw investigation may be submitted by Nov. 30. You are reminded to comply with Article 5 of Title 23, Division 3, Chapter 16 re: Release Reporting and Initial Abatement Requirements.

Sincerely,

Barney Chan
ACEH
510-567-6765

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

From: Petryna, Karen E SOPUS [mailto:KEPetryna@ShellOPUS.com]
Sent: Tuesday, October 19, 2004 3:51 PM
To: Chan, Barney, Env. Health
Cc: 'Matt Derby'
Subject: RE: 1601 Webster St., Alameda Shell #13-503

Barney,

We are currently working on the below items. But, although we received the NOR, we did not receive a "hard copy" request for the below items. Did you send one or intend to? If not, we propose to provide the results by November 30 along with a work plan for investigation as well as some additional analysis.

~~The good news is that it looks like we've recovered nearly all the product. I am really amazed at how successful we've been.~~

Karen

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

From: Chan, Barney, Env. Health [mailto:barney.chan@acgov.org]
Sent: Thursday, September 02, 2004 4:22 PM
To: Petryna, Karen E SOPUS
Subject: 1601 Webster St., Alameda Shell #13 -503

Karen: please have your consultant provide the following:

1. Summary of estimates of release and recovery volumes of gasoline.
2. Summary of amounts of groundwater removed from the site and estimated future removal amounts
3. Utilities and preferential pathway survey. Could storm, sanitary or other utility lines be acting as preferential pathways.
4. Sensitive receptor survey, any nearby homes, basements, domestic or municipal

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wells?

5. what other interim remediation can be done at the site? suggest at least cleaning out and extracting from the other tank backfill wells.

A NOR is being issued today and a **request for the above information and a preliminary investigation work plan will follow.**

Sincerely,

Barney Chan
ACEH
510-567-6765

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

From: Petryna, Karen E SOPUS [mailto:KEPetryna@ShellOPUS.com]

Sent: Wednesday, September 01, 2004 3:53 PM

To: Chan, Barney, Env. Health

Subject: Out of Office AutoReply: 1601 Webster St., Alameda Shell #13-503 2

I am in Houston in meetings Tuesday through Thursday (8/31 - 9/2). If your matter needs immediate attention, please try my mobile phone @ 559-706-2445. Thank you.

PO ~~104E~~
2746

Chan, Barney, Env. Health

From: Chan, Barney, Env. Health
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To: 'Petryna, Karen E SOPUS'
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Sent: Wednesday, September 01, 2004 3:53 PM
To: Chan, Barney, Env. Health
Subject: Out of Office AutoReply: 1601 Webster St., Alameda Shell #13-503 2

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Write directive Beech Neg letter