

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



out  
06-15-06

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

June 14, 2006

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

Subject: Fuel Leak Case No. RO0000194, Shell#13-5785, 5251 Hopyard Road, Pleasanton, 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, "Work Plan for Installation of Off-site Well S-9," dated June 6, 2006. The Work Plan proposes the installation of one well east of the site. ACEH concurs with the proposed scope of work.

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:

- **July 15, 2006** - Quarterly Monitoring Report and Interim Remediation Status Report for the Second Quarter 2006
- **October 15, 2006** - Monitoring Well Installation Report and Quarterly Monitoring Report and Interim Remediation Status 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](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.

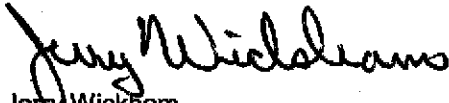
#### **AGENCY OVERSIGHT**

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.

Denis Brown  
June 14, 2006  
Page 3

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: Matt Katen, QIC 80201  
Zone 7 Water Agency  
100 North Canyons Parkway  
Livermore, CA 94551

Danielle Stefani  
Livermore-Pleasanton Fire Department  
3560 Nevada Street  
Pleasanton, CA 94566

R. Lee Dooley  
Delta Environmental Consultants, Inc.  
175 Bernal Road, Suite 200  
San Jose, CA 95119

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

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

March 30, 2006

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

Subject: Fuel Leak Case No. RO0000194, Shell#13-5785, 5251 Hopyard Road, Pleasanton, CA

Dear Mr. Brown:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the electronic document entitled, "Site Conceptual Model," dated October 2005. The Site Conceptual Model (SCM) was received by ACEH on March 17, 2006 and presents the results of two Geoprobe borings advanced east of the site on February 22, 2006 and also summarizes the site background, history, geology, hydrogeology, and investigation results to date for the site. The concentration of MTBE in off-site groundwater east of the site is identified as a data gap in the SCM. ACEH concurs with the recommendation to install a monitoring well east of the site. Therefore, we request that you submit a Work Plan for monitoring well installation by **June 9, 2006**.

In correspondence dated January 26, 2006, ACEH previously concurred with the proposed scope of work for interim remediation at the site. The Interim Remediation Proposal dated January 15, 2006 proposed the installation of one well approximately 20 feet deep midway between previous borings GP-1 and GP-2, step drawdown tests in the proposed well and existing well S-1, and groundwater extraction from the proposed well and existing well S-1. Please present results from the interim remediation in the Quarterly Monitoring Report and Interim Remediation Status Report for the Second Quarter 2006 requested below.

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:

- **April 15, 2006** - Quarterly Monitoring Report for the First Quarter 2006
- **June 9, 2006** - Work Plan for Monitoring Well Installation
- **July 15, 2006** - Quarterly Monitoring Report and Interim Remediation Status 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.

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.

#### 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,

Denis Brown  
March 30, 2006  
Page 3

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: Matt Katen, QIC 80201  
Zone 7 Water Agency  
100 North Canyons Parkway  
Livermore, CA 94551

Danielle Stefani  
Livermore-Pleasanton Fire Department  
3560 Nevada Street  
Pleasanton, CA 94566

R. Lee Dooley  
Delta Environmental Consultants, Inc.  
175 Bernal Road, Suite 200  
San Jose, CA 95119

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



SENT  
01-26-06

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

January 26, 2006

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

Subject: Fuel Leak Case No. RO0000194, Shell#13-5785, 5251 Hopyard Road, Pleasanton, CA  
– Interim Remediation 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, "Quarterly Monitoring Report – Fourth Quarter 2005, Interim Remediation Proposal," dated January 15, 2006. The Interim Remediation Proposal describes the installation of one well approximately 20 feet deep midway between previous borings GP-1 and GP-2, step drawdown tests in the proposed well and existing well S-1, and groundwater extraction from the proposed well and existing well S-1. ACEH concurs with the proposed scope of work.

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:

- **March 15, 2006** – Updated Site Conceptual Model with Groundwater Results for Two Borings North of Site
- **April 15, 2006** - Quarterly Monitoring Report for the First Quarter 2006
- **July 15, 2006** - Quarterly Monitoring Report and Remediation Status 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

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.

### 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**

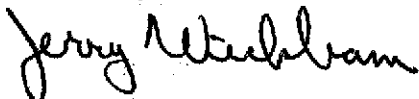
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

**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: Matt Katen, QIC 80201  
Zone 7 Water Agency  
100 North Canyons Parkway  
Livermore, CA 94551

Danielle Stefani  
Livermore-Pleasanton Fire Department  
3560 Nevada Street  
Pleasanton, CA 94566

R. Lee Dooley  
Delta Environmental Consultants, Inc.  
175 Bernal Road, Suite 200  
San Jose, CA 95119

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



SCM  
10-24-05

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

October 21, 2005

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

Subject: Fuel Leak Case No. RO0000194, Shell#13-5785, 5251 Hopyard Road, Pleasanton, CA  
– Comments on Site Conceptual Model and Investigation Results

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 2005. The Site Conceptual Model (SCM) summarizes the site background, history, geology, hydrogeology, and investigation results to date for the site. The SCM also includes the results from a site investigation conducted in August 2005. The August 2005 site investigation consisted of three cone penetrometer borings and five direct push borings. ACEH concurs with the recommendations in the SCM as discussed in 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. **Analytical Results from Monitoring Wells.** In future updates of the SCM, please include a data table that summarizes all analytical results from monitoring wells.
2. **Quarterly Groundwater Monitoring.** ACEH concurs with the recommendation to continue quarterly groundwater monitoring to assess plume stabilization and groundwater flow directions for the site.
3. **Direct Push Borings North of the Site.** CPT borings CPT-2 and CPT-3 were unable to produce water from the planned depth interval of approximately 25 feet below ground surface. ACEH concurs with the recommendation to collect shallow groundwater samples from direct push borings north of the site. Please collect shallow groundwater samples from two locations in the proximity of borings CPT-2 or CPT-3. If alternate locations north of the site are proposed for shallow groundwater sampling, please submit the proposed locations for ACEH approval prior to sampling. Please present the results of the borings in an updated SCM.
4. **Interim Groundwater Remediation.** ACEH concurs with the recommendation to conduct interim groundwater remediation, possibly using well S-1. Please submit a proposal to implement interim groundwater remediation by **January 15, 2006**.

### TECHNICAL REPORT REQUEST

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

- **January 15, 2006** - Quarterly Monitoring Report for the Fourth Quarter 2005 and Proposal for Interim Remediation
- **March 15, 2006** - Updated Site Conceptual Model with Groundwater Results for Two Borings North of Site
- **April 15, 2006** - Quarterly Monitoring and Remediation Status 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**

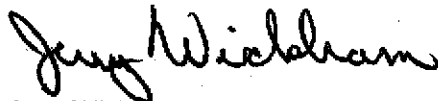
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

**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: R. Lee Dooley  
Delta Environmental Consultants, Inc.  
175 Bernal Road, Suite 200  
San Jose, CA 95119

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



SENT  
6-14-05

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

June 13, 2005

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

Subject: Fuel Leak Case No. RO0000194, Shell#13-5785, 5251 Hopyard Road, Pleasanton, CA  
– Comments on Monitoring Report and Work Plan

Dear Mr. Brown:

Alameda County Environmental Health (ACEH) staff has reviewed the case file and the report entitled, "Monitoring Report and Work Plan," dated April 19, 2005 for the Shell service station at 5251 Hopyard Road, Pleasanton. The report was prepared on behalf of Shell by Delta Environmental Consultants, Inc. The report presents groundwater monitoring results for the first quarter 2005 and a work plan for soil and groundwater investigation. The work plan was submitted in response to an ACEH request in a letter dated January 24, 2005.

Based on staff review of the document referenced above, we generally concur with the work proposed and request that you address the following technical comments, perform the proposed work, and send us the reports described below. The technical comments are to be addressed in the Soil and Groundwater Investigation report requested below. Please provide 72-hour advance notification to ACEH prior to initiating field sampling activities.

**TECHNICAL COMMENTS**

1. **Proposed Sampling Locations.** We concur with the sampling locations as proposed in the Work Plan.
2. **Well Construction.** As previously requested in ACEH's January 24, 2005 correspondence, please provide soil boring logs and well construction details for wells S-2 through S-5. In addition, please include a table of well construction details for all wells in the Soil and Groundwater Investigation Report requested below and in future groundwater monitoring reports for the site. For all wells on site, the well construction details table is to describe the well diameter, screen slot size, total depth of the boring, depths of the screened interval, depths of the filter pack, and other well construction details that may be relevant.
3. **Conduit Study.** Free product was observed in fuel piping trenches. Please evaluate the potential for free product or dissolved fuel hydrocarbons to migrate from the piping trenches to other on-site utility trenches. The location and depth of on-site utility trenches that potentially intersect the fuel piping trenches are to be plotted on a site map. At a minimum, a utility survey is to be conducted to locate the sewer lines shown on Figure 3 in the area of the dispensers and between the UST complex and dispensers. The manholes on-site should be

used for observations of the depths to pipe inverts. Please include these results in the Soil and Groundwater Investigation Report requested below.

4. **Domestic Well.** The information provided regarding the domestic well that is located 100 to 300 feet west of the site is incomplete. Please provide a more accurate description of the known or suspected location of this well. Specifically, please describe the basis for concluding that the well is abandoned/destroyed. In addition, please show the approximate location of the domestic well on the Well Location Map in Attachment D. Please include this information in the Soil and Groundwater Investigation Report requested below.
5. **Well Survey.** Please describe more completely the sources of information that were researched for the well survey information in Attachment D. The expanded well survey information is to be included in the Soil and Groundwater Investigation Report requested below.
6. **Hydrogeologic Cross Sections.** Please incorporate data from the CPT borings into one or more hydrogeologic cross sections that depict the soil layers encountered, all soil and groundwater samples collected in the borings, and analytical results for the samples. Please present the cross sections in the Soil and Groundwater Investigation Report requested below.
7. **Groundwater Monitoring.** Based on the indications of a recent release at the site, quarterly groundwater monitoring is to be implemented. Groundwater samples are to be collected on a quarterly basis from wells S-1 through S-8 and analyzed for TPHg, BTEX, and fuel oxygenate MTBE using EPA Method 8260B.

#### **TECHNICAL REPORT REQUEST**

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

- **October 13, 2005** – Soil and Groundwater Investigation Report
- **October 17, 2005** - Quarterly Report for the Third Quarter 2005
- **January 17, 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

Mr. Denis Brown  
June 13, 2005  
Page 3

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 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: R. Lee Dooley  
Delta Environmental Consultants, Inc.  
175 Bernal Road  
San Jose, CA 95119

Matt Katen, Zone 7 Water District, QIC 80201  
Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



SENT  
01-24-05

January 24, 2005

Karen Petryna  
Shell Oil Products US  
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

Subject: Fuel Leak Case No. RO0000194, Shell #13-5785, Active Service Station at 5251 Hopyard Rd., Pleasanton, California – Workplan Request

Dear Ms. Petryna:

Alameda County Environmental Health (ACEH) has reviewed your October 4, 2004 and November 22, 2004 Unauthorized Release Reports, your December 16, 2004 *Dispenser and Piping Replacement Sampling Report* and the case file for the above-referenced site. During underground storage tank (UST) system upgrades in September 2004, free product was detected in a fuel piping trench. Approximately 75 cubic yards of contaminated soil and 33,739 gallons of groundwater were removed from the site following the free product detection. Residual contamination concentrations of up to 5.6 mg/kg TPH, 0.088 mg/kg benzene, 0.2 mg/kg MTBE and 0.22 mg/kg TBA were detected in soil. Groundwater impact is being evaluated via sampling of the existing monitoring wells. Groundwater monitoring has been ongoing since 1988, when petroleum hydrocarbons were first detected in soil, soil vapor and groundwater beneath the site. Additional site characterization, including further definition of residual petroleum hydrocarbon contamination, is necessary to adequately define your site. Please submit a workplan for soil and groundwater investigation which addresses the technical comments below.

## TECHNICAL COMMENTS

### 1. Groundwater Flow Direction

Your previous groundwater monitoring reports have indicated various directions for groundwater flow. The reported predominant flow direction has been to the southwest; however, groundwater flow to the north and northeast has also been reported. Your second quarter 2004 monitoring report indicates that the highest MTBE concentrations are detected in wells S-2 and S-5 located north and northeast, respectively, of the UST system. Due to historical fluctuation in groundwater flow direction calculated for the site, and to the MTBE contamination detected in wells S-2 and S-5, we request that you further refine your characterization of groundwater flow at the site. We request that you incorporate data from your regional study (Comment 4, below) into your review. As part of your review, please evaluate the need for additional groundwater investigation northeast of the USTs. Please provide a narrative evaluation of groundwater flow at the site and rose diagrams depicting all calculated flow directions for the site since monitoring began in 1988 in the workplan requested below.

### 2. Vertical Delineation of Groundwater Plume

No evaluation of potential vertical groundwater gradients and no vertical profiling of petroleum hydrocarbons or fuel oxygenates in groundwater has been performed. In accordance with 23 CCR 2725(a), we require that you define the likely vertical extent of contamination. ACEH



requires that groundwater sampling be depth-discrete with a maximum screening interval of 5 ft. We request that you propose investigation tasks to evaluate vertical gradients and potential vertical migration of contaminated groundwater from your site. Please submit your sampling and analysis plan in the workplan requested below.

### 3. Conduit Study

Due to the discovery of free product in fuel piping trenches and the potential presence of storm drains and other subsurface utilities onsite and downgradient of the site, we request that you perform a preferential pathway survey, and consider any potential influences on contaminant migration prior to developing a sampling and analysis plan. The objectives of the conduit study are to 1) locate potential migration pathways, and 2) evaluate the potential for contaminant migration via the identified pathways. We request that you perform a conduit study that details the potential migration pathways and potential conduits (including sewers, storm drains, other subsurface utilities, etc.) that may be present in the vicinity of the site. Provide a map showing the location and depths of all utility lines and trenches within and near the plume area. Please include an analysis and interpretation of your findings, and report your results in the workplan requested below.

### 4. Regional Geologic and Hydrogeologic Study

We request that you perform a study of the regional geologic and hydrogeologic setting of your site by reviewing the available technical literature for the area. References for your review need to include regional geologic maps, United States Geological Survey (USGS) technical reports and documents, Department of Water Resources (DWR) Bulletins, Regional Water Quality Control Board reports on the groundwater basin, data from contaminant investigations in the area, etc. Please provide: 1) a concise narrative discussion of the regional geologic and hydrogeologic setting, 2) figure(s) summarizing your findings, and 3) synthesis and interpretation of regional data with the site-specific data. We request that you appropriately reference your findings, and that you present photocopies of regional geologic maps, groundwater contour maps, cross-sections, etc., to illustrate your results. Please report your results in the workplan requested below.

### 5. Previous Environmental Investigations

In order for us to complete our review, we must be in receipt of copies of all pertinent technical reports for the site. The September 28, 1988 memo prepared by Gettler-Ryan references a March 9, 1988 well installation report prepared for Shell by Pacific Environmental Group, Inc. We are not in receipt of a copy of this report. Our files also include your April 7, 1989, *Proposed Work Plan* prepared by Woodward-Clyde; however, we are in receipt of no subsequent report(s). No report summarizing the May 4, 1989 installation of wells S-2 through S-5 has been received by this office. Attached to this letter is a list of the reports we currently have on file. Please send us copies of any reports not identified on the attached list together with the workplan requested below.

### 6. Site Conceptual Model

The July 14, 2004, *Quarterly Monitoring Report – Second Quarter 2004* stated that a site conceptual model (SCM) was being prepared for the site. We have not received your SCM. Please submit a site conceptual model in the workplan requested below.

## REPORT REQUEST

Please submit your *Soil and Water Investigation Workplan*, which addresses the comments above by **April 19, 2005**. ACEH makes this request pursuant to California Health & 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 a reportable unauthorized release from a petroleum UST system, and require your compliance with this request.

### Professional Certification and Conclusions/Recommendations

The California Business and Professions Code (Sections 6735 and 7835.1) requires that workplans 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.

### Perjury Statement

All workplans, 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.

## UNDERGROUND STORAGE TANK CLEANUP FUND

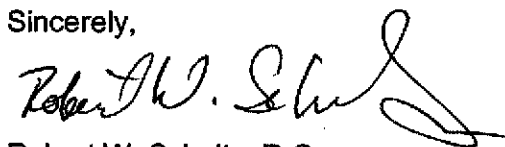
Please note that delays in investigation, late reports or enforcement actions by ACEH may result in you becoming ineligible to receive cleanup cost reimbursement from the state's Underground Storage Tank Cleanup Fund (senate Bill 2004).

## 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 County District Attorney or other appropriate agency, for enforcement. California Health and Safety Code, Section 25299.76 authorizes ACEH enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

Please call me at (510) 567-6719 or contact me via email at [robert.schultz@acgov.org](mailto:robert.schultz@acgov.org) with any questions regarding this case.

Sincerely,



Robert W. Schultz, R.G.  
Hazardous Materials Specialist

Ms. Petryna  
January 24, 2005  
RO-194

cc: Ross Tinline, Toxichem Management Systems, Inc., 11 Kenton Ave., San Carlos, CA  
94070  
Matt Katen, Zone 7 Water District, QIC 80201  
Donna Drogos, ACEH  
Robert W. Schultz, ACEH

Fuel Leak Case RO0000194  
5251 Hopyard Road, Pleasanton, California

Gettler-Ryan, Inc. Memorandum, Shell Oil Company, 5251 Hopyard Road & Johnson, Pleasanton. September 28, 1988.

Woodward Clyde Consultants. *Proposed Work Plan*, 5251 Hopyard Road, Pleasanton, California. April 7, 1999.

GeoStrategies, Inc. *Quarterly Report and Work Plan*, Shell Service Station, 5251 Hopyard Road, Pleasanton, California. October 12, 1989.

GeoStrategies, Inc. *Quarterly Report*, Shell Service Station, 5251 Hopyard Road, Pleasanton, California. January 10, 1990.

GeoStrategies, Inc. *Quarterly Report*, Shell Service Station, 5251 Hopyard Road, Pleasanton, California. April 11, 1990.

GeoStrategies, Inc. *Quarterly Report*, Shell Service Station, 5251 Hopyard Road, Pleasanton, California. June 22, 1990.

GeoStrategies, Inc. *Site Update*, Shell Service Station, 5251 Hopyard Road, Pleasanton, California. September 14, 1990.

GeoStrategies, Inc. *Quarterly Report*, Shell Service Station, 5251 Hopyard Road, Pleasanton, California. December 7, 1990.

GeoStrategies, Inc. *Quarterly Report*, Shell Service Station, 5251 Hopyard Road, Pleasanton, California. March 5, 1991.

GeoStrategies, Inc. *Quarterly Report*, Shell Service Station, 5251 Hopyard Road, Pleasanton, California. June 7, 1991.

GeoStrategies, Inc. *Quarterly Report*, Shell Service Station, 5251 Hopyard Road, Pleasanton, California. September 3, 1991.

Hydro Environmental Technologies, Inc. Quarterly report re. Shell Service Station, 5251 Hopyard Road, Pleasanton, California. June 29, 1993.

Hydro Environmental Technologies, Inc. Quarterly report re. Shell Service Station, 5251 Hopyard Road, Pleasanton, California. November 11, 1993.

Hydro Environmental Technologies, Inc. Quarterly report re. Shell Service Station, 5251 Hopyard Road, Pleasanton, California. January 27, 1994.

Weiss Associates. Quarterly report re. Shell Service Station, 5251 Hopyard Road, Pleasanton, California. May 20, 1994.

Weiss Associates. Quarterly report re. Shell Service Station, 5251 Hopyard Road, Pleasanton, California. August 22, 1994.

Weiss Associates. Quarterly report re. Shell Service Station, 5251 Hopyard Road, Pleasanton, California. November 17, 1994.

Weiss Associates. Quarterly report re. Shell Service Station, 5251 Hopyard Road, Pleasanton, California. June 13, 1995.

Weiss Associates. Quarterly report re. Shell Service Station, 5251 Hopyard Road, Pleasanton, California. June 17, 1996.

Cambria Environmental Technology, Inc. *Second Quarter Monitoring Report*, Shell Service Station, 5251 Hopyard Road, Pleasanton, California. June 25, 1998.

Cambria Environmental Technology, Inc. *Second Quarter Monitoring Report*, Shell Service Station, 5251 Hopyard Road, Pleasanton, California. September 16, 1999.

Cambria Environmental Technology, Inc. *Second Quarter Monitoring Report*, Shell Service Station, 5251 Hopyard Road, Pleasanton, California. June 26, 2000.

Cambria Environmental Technology, Inc. *Second Quarter Monitoring Report*, Shell Service Station, 5251 Hopyard Road, Pleasanton, California. July 20, 2001.

Cambria Environmental Technology, Inc. *Second Quarter Monitoring Report*, Shell Service Station, 5251 Hopyard Road, Pleasanton, California. July 19, 2002.

Cambria Environmental Technology, Inc. *Second Quarter Monitoring Report*, Shell Service Station, 5251 Hopyard Road, Pleasanton, California. August 18, 2003.

Toxichem Management Sytems, Inc. *Quarterly Monitoring Report*, Shell Service Station, 5251 Hopyard Road, Pleasanton, California. July 14, 2004.

Toxichem Management Sytems, Inc. *Dispenser and Piping Replacement Sampling Report*, Shell Service Station, 5251 Hopyard Road, Pleasanton, California. December 16, 2004.

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



10-31-02

October 30, 2002

RO 194

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, 5251 Hopyard Road, Pleasanton - Request for Total Fuel Oxygenate Analyses

Dear Ms. Petryna:

The case file for the referenced site was recently reviewed, up to and including the July 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 lead scavengers (EDB and 1,2-DCA / EDC) using EPA Method 8260. Analyses for MtBE, TAME, EtBE, DIPE, TBA and ethanol were already sought during the recent sampling event. 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,

A handwritten signature in black ink, appearing to read 'Scott O. Seery', written over a horizontal line.

Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB  
Danielle Stefani, Livermore-Pleasanton Fire Department  
Anni Kreml, 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 8, 1999

Ms. Danielle Stefani  
Livermore-Pleasanton Fire Department  
4550 East Avenue  
Livermore, CA 94550

ENVIRONMENTAL HEALTH SERVICES

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

RE: MtBE-impacted sites in Pleasanton

Dear Ms. Stefani:

This letter is sent in response to your 19 August 1999 request for additional information regarding Pleasanton sites that are impacted by the gasoline additive methyl tert-butyl ether, or MtBE.

Following is a brief summary for each of the petroleum release cases currently overseen by this agency where MtBE has been identified. This supplemental information adheres to the format requested in your August letter, and augments the information presented previously by this office on 22 July 1999.

UNOCAL Station, 4191 First Street (P0361)

1. *Status*

This investigation is still in progress. Additional off-site well installed 10/06/99. Additional well and boring installation on adjoining commercial property to the northeast is pending. Site access issues for off-site wells/borings have slowed progress.

2. *On-site/Off-site*

Plume extends off-site

3. *Farthest extent of contamination*

Horizontal extent: >120 feet  
Vertical extent: > 80 feet

4. *Approximate level of threat based on information available to date:*

Appears to be isolated from municipal drinking water well fields based on significant geographic separation. However, Zone 7 officials interpret the depth of the impacted zone at this site as being consistent with water elevation in the main groundwater (GW) basin. This area appears to be in a recharge zone for the main GW basin.

Steve's Exxon, 2991 Hopyard Road (20362)

1. *Status*

Plume extent appears to be identified. Post-remediation monitoring in progress. Certain on-site vapor extraction wells to be destroyed, as they appear to have served as conduits for migration of shallow "perched" contamination to a slightly deeper on-site water-bearing zone. On-going joint meetings with Zone 7, City of Pleasanton Public Works, Regional Water Quality Control Board (RWQCB), Exxon, and this office to determine best locations and depths for clusters of off-site "sentinel" wells, intended to provide early warning of potential impacts to primary water-bearing zone of nearby municipal well field.

2. *On-site/Off-site*

Plume appears confined significantly on-site. Periodic low-level MtBE detection in deeper and off-site wells has raised specter of concern, however. Current vertical plume monitoring program appears to have served its purpose but now may not be adequate to assure timely data acquisition, leading to future sentinel well installation.

3. *Farthest extent of contamination*

Horizontal extent: ~100 feet (periodic)  
Vertical extent: ~90 feet ?

4. *Approximate level of threat based on information available to date:*

Close to drinking water source

Shell Station, 3790 Hopyard Road (20363)

1. *Status*

On-going monitoring following yearly (2<sup>nd</sup> quarter) schedule

2. *On-site/Off-site*

Plume extends off-site

3. *Farthest extent of contamination*

Horizontal: ~180 feet  
Vertical: ~ 18 feet



4. *Approximate level of threat based on information available to date:*  
Appears isolated from drinking water source due to both geology and distance

Shell Station, 5251 Hopyard Road (20194)

1. *Status*  
On-going monitoring following yearly (2<sup>nd</sup> quarter) schedule
2. *On-site/Off-site*  
Plume appears to be constrained to the site
3. *Farthest extent of contamination*  
Horizontal: NA  
Vertical: ~ 12 feet
4. *Approximate level of threat based on information available to date:*  
Isolated from drinking water source due to both geology and distance

Chevron Station, 5280 Hopyard Road (20439)

1. *Status*  
On-going monitoring following quarterly schedule
2. *On-site/Off-site*  
Plume appears to be substantially constrained to the site
3. *Farthest extent of contamination*  
Horizontal: NA  
Vertical: ~ 11 feet
4. *Approximate level of threat based on information available to date:*  
Isolated from drinking water source due to both geology and distance

(Former) Exxon Station, 349 Main Street (R0506)

1. *Status*  
Pending case closure
2. *On-site/Off-site*  
On-site
3. *Farthest extent of contamination*  
Horizontal: NA  
Vertical: ~26 feet
4. *Approximate level of threat based on information available to date:*  
Isolated from drinking water source due to both geology and distance

(Former) Mobil Station, 1024 Main Street (R02427)

1. *Status*  
On-going soil and GW remediation and monitoring
2. *On-site/Off-site*  
Plume substantially on-site
3. *Farthest extent of contamination*  
Horizontal: NA  
Vertical: ~44 feet
4. *Approximate level of threat based on information available to date:*  
Appears isolated from drinking water source due to both geology and distance

Can-Am Plumbing, 151 Wyoming Street (R02425)

1. *Status*  
Preliminary site assessment pending – workplan requested

Ms. Danielle Stefani  
RE: MtBE report for Pleasanton sites  
October 8, 1999  
Page 5 of 5

2. *On-site/Off-site*

Unknown at this time

3. *Farthest extent of contamination*

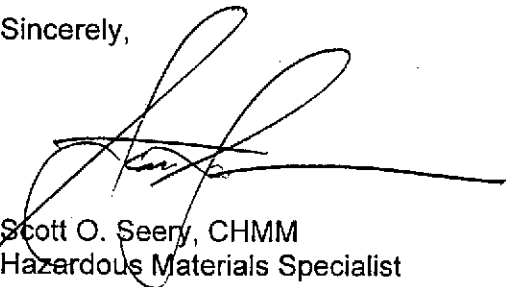
Unknown at this time

4. *Approximate level of threat based on information available to date:*

Expected to be isolated from drinking water source due to both geology and distance

I trust this supplemental report provides the additional information you were seeking. Please contact me at (510) 567-6783 should you need further assistance.

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Ariu Levi, Chief, Environmental Protection  
Thomas Peacock, ACDEH LOP  
Chuck Headlee, RWQCB  
Matt Katen, Zone 7  
Steve Cusenza, City of Pleasanton, P.O. Box 520, Pleasanton, CA 94566-0802

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



RO362, 363  
194, 1151, 439,  
506, 2427,  
RO361, 360

July 22, 1999

ENVIRONMENTAL HEALTH SERVICES

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

Ms. Danielle Stefani  
Livermore-Pleasanton Fire Department  
4550 East Avenue  
Livermore, CA 94550

RE: MtBE-impacted sites in Pleasanton

Dear Ms. Stefani:

This letter is sent in response to your recent request for an update on sites located in Pleasanton that are impacted by the gasoline additive methyl-tert butyl ether, or MtBE.

Following is a brief summary for each of the active fuel tank cases currently overseen by this agency. Please note that not all retail service station or other underground storage tank (UST) sites in Pleasanton are listed. Data for closed or otherwise inactive cases are not presented in this summary, nor are data for cases not yet managed by this office. Both the highest *historic* MtBE concentrations (and date) as well as the highest concentrations in the last 12 months are given where these data are available.

Unocal Station, 4191 First Street

This site was historically used for warehousing, but was developed into a retail fueling station in ~1976. Several gasoline releases were documented in the 1980's. Several phases of investigation have been completed, beginning in the late 1980's and continuing up to the present. More work is currently pending. An 8 well network is established both on- and off-site, with more wells planned.

Highest MtBE: 6200 micrograms per liter, or ug/l (6/98)  
12 month high: 4800 ug/l

Shell Station, 4226 1<sup>st</sup> Street

Although a preliminary assessment of the original UST complex was completed in 1985 prior to tank replacement, the results were somewhat inconclusive due to limited project scope. Two additional phases of work occurred in 1990, the results of which, again, were somewhat inconclusive. MtBE was not sought during these prior investigations. A recent phase of assessment was performed in April 1999, and included the installation of a permanent monitoring well. The final report of this recent work is pending; however, preliminary data indicate that, although underlying groundwater has been impacted, MtBE was not identified.

Highest MtBE: <250 ug/l (4/99)  
12 month high: as above

Ms. Danielle Stefani  
RE: MtBE report for Pleasanton sites  
July 22, 1999  
Page 2 of 4

Henry Moller & Sons Meat Packing Plant, 5710 Foothill Road

A small gasoline UST was removed in 1990. Six monitoring wells were eventually installed and monitored over several years due to a release from this tank. Although underlying groundwater was impacted to some extent by gasoline compounds, MtBE was not detected (ND) above laboratory reporting limits. Potential impact to Gold Creek was also evaluated and dismissed. The site is currently under review for case closure.

Highest MtBE: ND  
12 month high: "

Steve's Exxon, 2991 Hopyard Road

This site, located on the corner of Hopyard Road and Valley Avenue, appears to be the most critical release site in Pleasanton due to its close proximity to both the City's and Zone 7's well fields. There is a current network of 11 wells located both on- and off-site, including two wells (MW-5D, MW-8) which monitor deeper water bearing zones of the underlying aquifer. The data appear to demonstrate that impacts are substantially constrained to the site. Exxon operated a soil-vapor extraction (SVE) system at the site up to the early 1990s, and reinstated its use in early 1998 but with limited success so far due to water infiltration into the vapor extraction wells. A request for an additional well and modification to the SVE system has been made.

Highest MtBE: 4950 ug/l (3/99)  
12 month high: same

Shell Station, 3790 Hopyard Road

An apparent release was discovered during routine monitoring of the USTs in 1987. These tanks were removed in 1988 and new tanks installed elsewhere on the site. Several phases of investigation followed with the eventual construction of 10 shallow monitoring wells, located both on- and off-site, and 3 recovery wells, installed at a time when active remediation was being considered. Nine of the monitoring wells are now sampled and monitored yearly.

Highest MtBE: 6900 ug/l (6/97)  
12 month high: 1780 ug/l

Shell Station, 5251 Hopyard Road (R0 #194)

A release was first discovered at this site in 1987 during installation of one shallow groundwater and 3 vadose zone wells intended to provide indirect monitoring of the UST system. Four additional shallow on-site wells were installed in 1989, followed by 3 more in 1990 installed in off-site locations. The fuel release appears to be substantially constrained to the site. All wells are currently monitored on a yearly schedule.

Ms. Danielle Stefani  
RE: MtBE report for Pleasanton sites  
July 22, 1999  
Page 3 of 4

Highest MtBE: 3200 ug/l (5/97)  
12 month high: 374 ug/l

Chevron Station, 5280 Hopyard Road

It has been reported that the original USTs were replaced in 1981. A gasoline release was identified during routine tank monitoring in 1989 and lead to the eventual installation of 3 shallow monitoring wells. In ~1991 the station was reconfigured and new tanks were installed in another location at the site. The three original wells were destroyed in the process and replaced. Three additional off-site wells were installed in 1997 for a total of 6 active wells.

Highest MtBE: 680 ug/l (6/96)  
12 month high: 290 ug/l

(Former) Exxon Station, 349 Main Street

A release was discovered during the 1989 replacement of the original USTs at this former service station site. These replacement tanks were subsequently removed in 1993, and the site and later redeveloped. Several phases of environmental investigation followed the 1989 tank replacement, resulting in the eventual installation of 8 monitoring wells, on both on- and off-site locations, and 3 SVE wells. No active remediation occurred. Only two wells survive to this day. The site is currently being considered for closure.

Highest MtBE: 11 ug/l (6/96)  
12 month high: ND

(Former) Mobil Station, 1024 Main Street

A release from the USTs was discovered during 1989 tank removals. Since that time several phases of investigation have been performed, with the eventual installation of 12 monitoring wells located both on- and off-site, and 3 groundwater and 4 SVE wells. SVE and groundwater treatment systems have operated nearly continuously at the site since 1995, with the cumulative removal of over 4000 gallons of product from the unsaturated soils and 3.9 million gallons of groundwater treatment system throughput. Although MtBE was "tentatively" identified (EPA Method 8020) in samples collected in the past from wells at the site, its presence was either not confirmed using more definitive laboratory methodologies (EPA Method 8260), or the actual concentrations were insignificant.

Highest MtBE: 1000 ug/l (Method 8020); ND (Method 8260) (8/97)  
12 month high: 25 ug/l (Method 8260)

Ms. Danielle Stefani  
RE: MtBE report for Pleasanton sites  
July 22, 1999  
Page 4 of 4

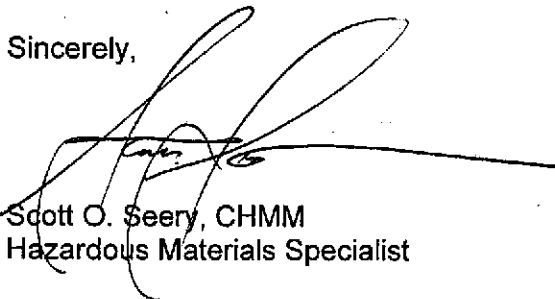
Can-Am Plumbing, 151 Wyoming Street

Although not yet a "case" overseen by this office, preliminary data collected during the June 1999 tank removals indicate up to 100,000 ug/l MtBE in shallow water within the tank pit. It is unknown if the sampled water represents true groundwater or an isolated "perched" zone. Awaiting final report and a determination of next appropriate steps in confirmation of this apparent release.

Highest MtBE: 100,000 ug/l (6/99)  
12 month high: as above

I trust this report provides the information you were seeking. Please contact me at (510) 567-6783 should you need further assistance.

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Thomas Peacock, ACDEH LOP  
Chuck Headlee, RWQCB  
Craig Mayfield, Zone 7  
Steve Cusenza, City of Pleasanton, P.O. Box 520, Pleasanton, CA 94566-0802

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RO94

May 5, 1999

STID 5807

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, 5251 Hopyard Road, Pleasanton

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: 5251 Hopyard Road, Pleasanton  
May 5, 1999  
Page 2 of 2

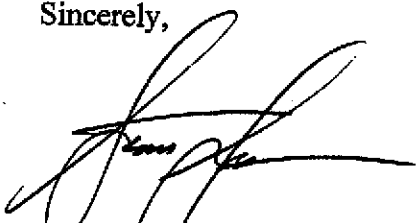
In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

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

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

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

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

Attachments

cc: Chuck Headlee, RWQCB  
Danielle Stefani, Livermore-Pleasanton Fire Department

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R0194 (2)

November 7, 1990

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

Ms. Lois Gruenberg  
Staff Engineer  
Woodward-Clyde Consultants  
500 - 12th St., Suite 100  
Oakland, CA 94607-4014

RE: Site search request for properties adjacent to "Signature Center," Pleasanton, CA

Dear Ms. Gruenberg:

The Alameda County Department of Environmental Health, Hazardous Materials Division has reviewed its hazardous waste generator and emergency response files for sites at 4000 Hopyard Rd. (and above), as well as for Willow Rd. and the vicinity of Hacienda Business Park. There are no files in this office on any sites other than a Shell filling station at 5251 Hopyard Rd. and a Chevron service station at 5280 Hopyard Rd. In addition, there was a chemical spill in the vicinity of the I-580/I-680 interchange in November 1988. Information we have is outlined below.

(R0194) 5251 Hopyard Rd. (Shell)

Although this site does not generate hazardous waste, and the Pleasanton Fire Department handles all underground tank permitting and remediation within city limits, we do have a copy of a report dated September 28, 1988; this summary report (not a consultant's report) indicates that one groundwater monitoring well and three vadose wells have been installed at the site, and that gasoline and benzene were found dissolved in groundwater at levels of 0.6 and 0.22 ppm, respectively. Any further information on this site may be available at the Pleasanton Fire Dept.

(R0439) 5280 Hopyard Rd. (Chevron)

This is a service station that does generate hazardous waste such as used oil, waste coolant, and solvent from a parts cleaning tank. Inspected last in October 1987, the facility had no major violations of state law (involving illegal handling or disposal of hazardous wastes); there were several record-keeping violations noted. Again, information on the facility's underground tanks may be obtained through the Pleasanton Fire Dept.

Spill from chemical truck, 11/24/88

On Thanksgiving Day 1988, a chemical truck overturned on I-580 between the I-680 and Hopyard Rd. interchanges, causing traffic to be

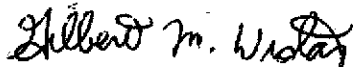
Ms. Lois Gruenberg  
November 7, 1990  
Page 2 of 2

backed up for about 15 hours as the released chemicals were identified and cleaned up. The spill occurred in the early morning hours on eastbound I-580, when a truck carrying such chemicals as hydrogen peroxide, sulfuric acid, acetone, and positive resist stripper released part of this cargo. Several unknown containers of chemicals were spilled (volumes unknown), while other containers, later unloaded from the truck, appeared to be in good condition. Intact chemicals were unloaded and segregated. Diesel and engine oil from the rig spilled off the south side of the highway onto the shoulder. About 1,500 gallons of an oil/water mixture were pumped into a tank truck and hauled away. In addition, all contaminated soil and debris was collected and hauled away as a hazardous waste. I am enclosing copies of pertinent file information on this incident.

This letter contains information limited to files in this office, and does not reflect data that may be available from other agencies or parties. You will be billed for provision of this service at the rate of \$60 per hour; enclosed is a copy of the invoice sent to our Billing Department.

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

Sincerely,



Gil Wistar  
Hazardous Materials Specialist

Enclosures

c: Rafat A. Shahid, Asst. Agency Director, Environmental Health files