



**CONESTOGA-ROVERS  
& ASSOCIATES**

19449 Riverside Drive, Suite 230, Sonoma, California 95476  
Telephone: 707-935-4850 Facsimile: 707-935-6649  
www.CRAworld.com

RO 254

no FTP

May 8, 2007

~~Geo~~  
Geo ✓

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

Re: **Quarterly Status Report – First Quarter 2007**  
Shell-branded Service Station  
1800 ½ Powell Street  
Emeryville, California  
SAP Code 135266  
Incident No. 98995349  
Agency Case No. RO0000254

Dear Mr. Wickham:

Conestoga-Rovers & Associates (CRA) prepared this letter on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) in accordance with the quarterly reporting requirements of 23 CCR 2652d.

**Current Quarter's Activities**

No activities were scheduled this quarter.

**Proposed Activities for Next Quarter**

No activities are scheduled for next quarter. Blaine Tech Services will gauge and sample wells during the second month of the fourth quarter of 2007, according to the established monitoring program for this site, and CRA will prepare a report.

If you have any questions regarding the contents of this document, please call Dennis Baertschi at (707) 268-3813.

Sincerely,  
**Conestoga-Rovers & Associates**

*Dennis Baertschi*  
Dennis Baertschi  
Project Geologist

cc: Mr. Denis Brown, Shell

\\Son-s1\shared\Sonoma.Shell\Emeryville 1800 Powell\QM\1Q07\1Q07 Status Letter.doc

Equal  
Employment  
Opportunity Employer

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.

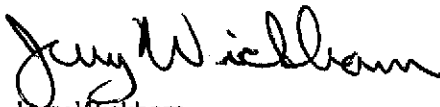
Denis Brown  
July 10, 2006  
Page 3

**AGENCY OVERSIGHT**

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

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

Sincerely,



Jerry Wickham  
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

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

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

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

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

#### REQUIREMENTS

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

#### Additional Recommendations

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

#### Submission Instructions

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

<b>UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT</b>			
<b>EMERGENCY</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<b>HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
<b>REPORT DATE</b> 0 3 1 3 0 6 <small>M M D D Y Y</small>		<b>CASE #</b> _____	
<b>FOR LOCAL AGENCY USE ONLY</b> I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25100.7 OF THE HEALTH AND SAFETY CODE.		SIGNED: <u>Denis Brown</u> DATE: <u>3/13/06</u>	
REPORTED BY	<b>NAME OF INDIVIDUAL FILING REPORT</b> Denis Brown		<b>PHONE</b> 707-865-0251
	<b>REPRESENTING</b> <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER _____		<b>SIGNATURE</b> _____
	<b>COMPANY OR AGENCY NAME</b> Shell Oil Products US		
RESPONSIBLE PARTY	<b>ADDRESS</b> 20945 S. Wilmington STREET Carson CITY CA 90810 ZIP		<b>CONTACT PERSON</b> Denis Brown PHONE 707-865-0251
	<b>NAME</b> Shell Oil Products US <input type="checkbox"/> UNKNOWN		<b>PHONE</b> 707-865-0251
	<b>ADDRESS</b> 20945 S. Wilmington STREET Carson CITY CA 90810 ZIP		<b>PHONE</b> _____
SITE LOCATION	<b>FACILITY NAME (IF APPLICABLE)</b> Shell-Branded Service Station		<b>OPERATOR</b> _____
	<b>ADDRESS</b> 1800 Powell STREET Emeryville CITY Alameda COUNTY 94608 ZIP		<b>PHONE</b> _____
	<b>CROSS STREET</b> Frontage Road		
IMPLEMENTING AGENCIES	<b>LOCAL AGENCY AGENCY NAME</b> Alameda County Health Care Services Agency		<b>CONTACT PERSON</b> Jerry Wickham PHONE (510)-567-6791
	<b>REGIONAL BOARD</b> San Francisco Region RWQCB		<b>PHONE</b> (510) 622-2408
SUBSTANCES INVOLVED	(1) NAME QUANTITY LOST (GALLONS) Laboratory analyses for TPHg, TPHd, TPHmo, Hydraulic Oil, Oil and Grease and BTEX		
	(2) _____ <input type="checkbox"/> UNKNOWN		
DISCOVERY/ABATEMENT	<b>DATE DISCOVERED</b> 0 3 1 0 0 6 <small>M M D D Y Y</small>		<b>HOW DISCOVERED</b> <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER Car Wash Maintenance Sampling
	<b>DATE DISCHARGE BEGAN</b> _____ <input checked="" type="checkbox"/> UNKNOWN		<b>METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)</b> <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input checked="" type="checkbox"/> OTHER Car Wash Maintenance- Oil Water Separator Emptied
	<b>HAS DISCHARGE BEEN STOPPED?</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 0 2 <small>M M D D Y Y</small>		_____
SOURCE/ CAUSE	<b>SOURCE OF DISCHARGE</b> <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		<b>CAUSE(S)</b> <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER
	<b>CHECK ONE ONLY</b> <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)		
CURRENT STATUS	<b>CHECK ONE ONLY</b> <input checked="" type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY		
	<b>CHECK APPROPRIATE ACTION(S)</b> <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUND WATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input checked="" type="checkbox"/> OTHER (OT) Pending evaluation		
FINDINGS	Water samples contained: Toluene 0.55 parts per billion (ppb), Xylenes 3.5 ppb, Motor Oil Range Organics 5,300 ppb, Hydraulic Oil Range Organics 30,000 ppb, Diesel 10,000 ppb, Oil and Grease 14 parts per million.		
	_____		

<b>UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT</b>			
<b>EMERGENCY</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<b>HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
<b>REPORT DATE</b> 0 3 1 3 0 6 <small>M M D D Y Y</small>		<b>CASE #</b> _____	
<b>FOR LOCAL AGENCY USE ONLY</b> I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25100.7 OF THE HEALTH AND SAFETY CODE. SIGNED: <u>Denis Brown</u> DATE: <u>3/13/06</u>			
<b>REPORTED BY</b>	<b>NAME OF INDIVIDUAL FILING REPORT</b> Denis Brown		<b>PHONE</b> 707-865-0251
	<b>REPRESENTING</b> <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER _____		<b>SIGNATURE</b> _____
	<b>COMPANY OR AGENCY NAME</b> Shell Oil Products US		
<b>RESPONSIBLE PARTY</b>	<b>ADDRESS</b> 20945 S. Wilmington STREET		<b>CITY</b> Carson
			<b>STATE</b> CA
			<b>ZIP</b> 90810
<b>SITE LOCATION</b>	<b>NAME (IF APPLICABLE)</b> Shell-Branded Service Station		<b>OPERATOR</b> _____
	<b>ADDRESS</b> 1800 Powell STREET		<b>CITY</b> Emeryville
	<b>CROSS STREET</b> Frontage Road		<b>COUNTY</b> Alameda
<b>IMPLEMENTING AGENCIES</b>	<b>LOCAL AGENCY AGENCY NAME</b> Alameda County Health Care Services Agency		<b>CONTACT PERSON</b> Jerry Wickham
	<b>REGIONAL BOARD</b> San Francisco Region RWQCB		<b>PHONE</b> (510)-567-6791
			<b>CONTACT PERSON</b> Nancy Katyl
<b>SUBSTANCES INVOLVED</b>	(1) <b>NAME</b> <span style="float: right;"><b>QUANTITY LOST (GALLONS)</b></span> Laboratory analyses for TPHg, TPHd, TPHmo, Hydraulic Oil, Oil and Grease and BTEX		
	(2) _____ <span style="float: right;"><input type="checkbox"/> UNKNOWN</span>		
<b>DISCOVERY/ABATEMENT</b>	<b>DATE DISCOVERED</b> 0 3 1 0 0 6 <small>M M D D Y Y</small>		<b>HOW DISCOVERED</b> <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER Car Wash Maintenance Sampling
	<b>DATE DISCHARGE BEGAN</b> _____ <input checked="" type="checkbox"/> UNKNOWN		<b>METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)</b> <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input checked="" type="checkbox"/> OTHER Car Wash Maintenance- Oil Water Separator Emptied
	<b>HAS DISCHARGE BEEN STOPPED?</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 0 2 _____ <small>M M D D Y Y</small>		
<b>SOURCE/ CAUSE</b>	<b>SOURCE OF DISCHARGE</b> <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER _____		<b>CAUSE(S)</b> <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER _____
	<b>CHECK ONE ONLY</b> <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)		
<b>CURRENT STATUS</b>	<b>CHECK ONE ONLY</b> <input checked="" type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY		
	<b>CHECK APPROPRIATE ACTION(S)</b> <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (BT) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUND WATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input checked="" type="checkbox"/> OTHER (OT) Pending evaluation		
<b>REMEDIAL ACTION</b>	Water samples contained: Toluene 0.55 parts per billion (ppb), Xylenes 3.5 ppb, Motor Oil Range Organics 5,300 ppb, Hydraulic Oil Range Organics 30,000 ppb, Diesel 10,000 ppb, Oil and Grease 14 parts per million.		
	_____		

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

January 27, 2006

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

Subject: Fuel Leak Case N [REDACTED] Shell #13-5266, 1800 Powell Street, Emeryville, 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, "Initial Site Conceptual Model," dated January 12, 2006. The Initial Site Conceptual Model includes a Proposed Work Plan with Standard Operating Procedures for Soil Borings and Well Installation. The Work Plan proposes advancing six soil borings on site and installing two groundwater monitoring wells south of the site. 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. **Well S-9.** A tar-like substance blocks access to monitoring well S-9. As result, well S-9 has not been sampled since 1984. The Initial Site Conceptual Model discusses the possibility of removing the tar-like substance from well S-9 to begin collecting samples from the well. ACEH does not recommend using well S-9 to monitor water quality. Due to the long-term presence of a tar-like substance in the well, the quality of samples collected from well S-9 may be compromised and the data may not representative of dissolved phase groundwater conditions.
2. **Hydrogeologic Cross Sections.** Please incorporate data from the proposed and existing soil borings into hydrogeologic cross sections that depict the lateral and vertical extent of soil layers encountered, where groundwater was first encountered in borings and the static water levels, screen intervals in the monitoring wells, observations of free product, staining, and odor, and analytical results for soil and groundwater samples. Please present the cross sections in the Soil and Groundwater Investigation Report requested below.

### TECHNICAL REPORT REQUEST

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

- **June 12, 2006** – Soil and Groundwater Investigation Report

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

### ELECTRONIC SUBMITTAL OF REPORTS

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

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

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

### PERJURY STATEMENT

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



**PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS**

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

**UNDERGROUND STORAGE TANK CLEANUP FUND**

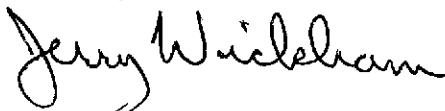
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

**AGENCY OVERSIGHT**

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

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

Sincerely,



Jerry Wickham  
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

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

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

**Wickham, Jerry, Env. Health**

---

**From:** Wickham, Jerry, Env. Health  
**Sent:** Tuesday, November 01, 2005 8:44 AM  
**To:** 'Brown, Denis L SOPUS-OP-COR-H'  
**Subject:** 1800 Powell Street Emeryville

Hi Denis,

I received your phone message regarding 1800 Powell Street in Emeryville. Given the time required for new staff working on the site to review the data, the requested date for submittal of a Work Plan and Site Conceptual Model is extended from December 9 to January 13.

Hope all is going well.

Regards,  
Jerry

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

11/1/2005

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

September 23, 2005

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

Subject: Fuel Leak Case N [REDACTED] Shell #13-5266, 1800 Powell Street, Emeryville, CA

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, "Product Dispenser Sampling Report," dated February 2, 2005. The report presents the results of sampling conducted in October 2004 during station upgrade activities at the site. Total extractable petroleum hydrocarbons (TEPH) were detected in all nine soil samples collected; however, the report indicates that the TEPH analytical results are not indicative of diesel fuel. Elevated concentrations of total purgeable petroleum hydrocarbons (TPPH) were detected in two soil samples collected during station upgrade activities. ACEH requests that you submit a Work Plan to assess soil and groundwater contamination at the site. As discussed in the technical comments below, we also request that a Site Conceptual Model (SCM) be prepared for the site. The SCM should address and identify data gaps for the entire site and any off-site contamination originating from the site. Data gaps identified in the SCM should be used to develop the scope of work for the Work Plan.

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

**TECHNICAL COMMENTS**

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

are not limited to, all supply wells and surface water bodies within 2,000 feet of the source area, and all potentially impacted schools, hospitals, daycare facilities, residences, and other areas of heightened concern for vapor impact.

- d) Geologic cross-sections (parallel and perpendicular to the contaminant plume axis) which include subsurface geologic features, depth to groundwater, man-made conduits, soil boring and sampling locations, monitoring well construction, and an interpretive drawing of the vertical extent of soil and groundwater contamination (i.e., an interpretive drawing—not a plot of laboratory results).
- e) Temporal changes in the plume location and concentrations are also a key element of the SCM. In addition to providing a measure of the magnitude of the problem, these data are often useful to confirm details of the flow system inferred from the hydraulic head measurements.
- f) Exposure evaluation flowchart (similar to Figure 2 in ASTM's Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites) and/or a graphical SCM (similar to Figure 1 in the Central Valley Regional Water Quality Control Board's Appendix A – Reports, Tri - Regional Board Staff Recommendations For Preliminary Investigation And Evaluation Of Underground Tank Sites, 16 April 2004).
- g) Plots of chemical concentrations vs. time and vs. distance from the source. Plots should be shown for each monitoring well, which has had detectable levels of contaminants.
- h) Summary tables of chemical concentrations in each historically sampled media (including soil, groundwater and soil vapor).
- i) Boring and well logs (including construction/screening), and a summary table indicating construction specifications for each monitoring and extraction well.
- j) Identification and listing of specific data gaps that require further investigation during subsequent phases of work.
- k) Proposed activities to investigate and fill data gaps identified above.

Please report the information discussed above in your initial SCM and include it in the Work Plan requested below. Include updates to your SCM in subsequent reports.

#### **TECHNICAL REPORT REQUEST**

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

- **December 9, 2005** – Work Plan and Initial Site Conceptual Model
- **February 15, 2006** - Quarterly Report for the Fourth Quarter 2005

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

#### 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.

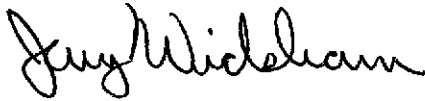
Denis Brown  
September 23, 2005  
Page 4

**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,



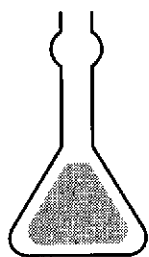
Jerry Wickham  
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Ross Tinline  
Toxichem Management Systems, Inc.  
11 Kenton Avenue  
San Carlos, CA 94070

Donna Drogos, ACEH  
Jerry Wickham, ACEH  
File

R0254



**TOXICHEM  
Management  
Systems, Inc.**

**Environmental & Occupational Health Services**

11 Kenton Avenue  
San Carlos, California 94070  
(650) 551-0112 / Fax (650) 551-0116

Industrial Hygiene - Exposure Assessment  
Quantitative Risk Assessment  
Compliance Audits  
Real Property Environmental Assessments  
Remedial Investigations  
Air, Soil, and Groundwater Sampling  
Remedial Engineering and Construction  
Regulatory Compliance and Negotiation  
Litigation Support Services

July 27, 2005  
Project EQ-78.2A

**REPORTS**

Roseanna Garcia-LaGrille  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

**Alameda County  
AUG 01 2005  
Environmental Health**

Re: **Quarterly Status Report – Second Quarter 2005**  
Shell-branded Service Station  
1800 Powell Street, Emeryville, California  
Incident Number 98995349, SAP Number 135226

Dear Ms. Garcia-LaGrille:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), this letter presents a status update for second quarter 2005 at the above referenced site.

**Second Quarter 2005 Activities**

During the second quarter 2005, no activities were performed at the site.

**Anticipated 2005 Groundwater Monitoring Activities**

All site wells will be gauged and sampled by Blaine Tech Services and the fourth quarter annual monitoring report will be prepared and submitted by TOXICHEM.

If you have any questions regarding this site, please contact me at (650) 551-0112.

Sincerely,

**Toxichem Management Systems, Inc.**

*Ross Tinline*  
Ross Tinline, P.G.  
Senior Geologist

cc: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Avenue Carson,  
California 90810

RO002254

15 2004

### UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.	
REPORT DATE 10/15/04		CASE #		SIGNATURE <i>Tim Woodson</i> DATE 10/19/04	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT TIM WOODSON		PHONE 1925 766-3494	SIGNATURE <i>Tim Woodson</i>	
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME SHELL OIL PRODUCTS US		
ADDRESS 20945 S WILMINGTON AVE CARSON CA 90810					
RESPONSIBLE PARTY	NAME SHELL OIL PRODUCTS <input type="checkbox"/> US <input type="checkbox"/> UNKNOWN		CONTACT PERSON TIM WOODSON	PHONE 1925 766 3494	
	ADDRESS 20945 S WILMINGTON AVE CARSON CA 90810				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) <del>SHELL BRANDED SERVICE STATION</del>		OPERATOR CAHN DU	PHONE (510) 653-1800	
	ADDRESS <del>7000 POWELL STREET BERRYVILLE ALAMEDA CA 94501</del>		CROSS STREET		
IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME ALAMEDA COUNTY HEALTH AGENCY		CONTACT PERSON ROBERT WESTON	PHONE (510) 567-6781	
	REGIONAL BOARD SAN FRANCISCO RWQCB		CHUCK HEADLEE	PHONE (510) 622-2433	
SUBSTANCES INVOLVED	(1) NAME GASOLINE		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> UNKNOWN		
	(2)				
DISCOVERY/ABATEMENT	DATE DISCOVERED 10/08/04	HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER <u>LINE TEST</u>	<input type="checkbox"/> INVENTORY CONTROL	<input type="checkbox"/> SUBSURFACE MONITORING	<input type="checkbox"/> NUISANCE CONDITIONS
	DATE DISCHARGE BEGAN <u>UNKNOWN</u>	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES DATE <u>09/14/04</u>	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> OTHER <u>FLOSH LINES &amp; REPLACE PIPING SECTION</u>		
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER		
	CASE TYPE CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> EXISTING GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> REMEDIATION PLAN		<input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY)		<input checked="" type="checkbox"/> GROUNDWATER MONITORING POLLUTION CHARACTERIZATION ONGOING
	<input type="checkbox"/> REMEDIATION PLAN		<input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> CLEANUP UNDERWAY		
REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) <input type="checkbox"/> CAP BITE (CB) <input type="checkbox"/> CONTAMINANT BARRIER (CB) <input type="checkbox"/> VACUUM EXTRACT (VE)		<input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input checked="" type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> OTHER (OT)		
			<input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (PT) <input type="checkbox"/> TREATMENT AT HOOKUP (HA) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VENT SOIL (VS)		
COMMENTS	DURING STATION TANK TOP AND DISPENSER UPGRADE, ONE SECTION OF PRODUCT PIPING FAILED THE LINE TEST. THE SECTION WAS SUBSEQUENTLY REPLACED AND SOIL SAMPLES COLLECTED BENEATH SECTION.				



120 254  
EVA



# State Water Resources Control Board



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

## Division of Clean Water Programs

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

**Gray Davis**  
Governor

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

MAR -2 2001

LOP 814  
JK

Deborah Pryor  
c/o Equiva Services LLC  
Shell Oil Company  
P O Box 7869  
Burbank, CA 91510-7869

### UNDERGROUND STORAGE TANK CLEANUP FUND (FUND), NOTICE OF ELIGIBILITY DETERMINATION: CLAIM NUMBER 016198; FOR SITE ADDRESS: 1800 POWELL ST, EMERYVILLE

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

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

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

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

**Compliance with Corrective Action Requirements:** In order to be reimbursed for your eligible costs of cleanup incurred after December 2, 1991, you must have complied with corrective action requirements of

*California Environmental Protection Agency*

Article 11, Chapter 16, Division 3, Title 23, California Code of Regulations. Article 11 categorized the corrective action process into *phases*. In addition, Article 11 requires the responsible party to submit an *investigative workplan/Corrective Action Plan (CAP)* before performing any work. This phasing process and the workplan/CAP requirements were intended to:

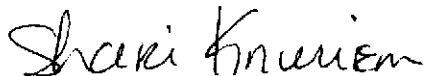
1. help the responsible party undertake the necessary corrective action in a cost-effective, efficient and timely manner;
2. enable the regulatory agency to review and approve the proposed cost-effective corrective action alternative before any corrective action work was performed; and
3. ensure the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

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

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

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

Sincerely,



Shari Knieriem  
Claims Review Unit  
Underground Storage Tank Cleanup Fund

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

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

C A M B R I A

July 27, 2000

Ms. Susan Hugo  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, 2nd Floor  
Alameda, California 94502

R0254

Re: **Quarterly Status Report - Second Quarter 2000**  
Shell-branded Service Station  
1800 Powell Street  
Emeryville, CA  
Incident No. 98995349

Dear Ms. Hugo:

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

**Current Quarter's Activities**

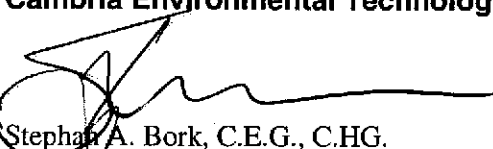
No activities were required or performed at this site during the second quarter of 2000.

**Proposed Activities**

Annual monitoring of the site wells will be conducted during the fourth quarter of 2000.

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

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

  
Stephen A. Bork, C.E.G., C.HG.  
Associate Hydrogeologist

Oakland, CA  
San Ramon, CA  
Sonoma, CA  
Portland, OR

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank California 91510-7869

**Cambria  
Environmental  
Technology, Inc.**

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

00 JUL 31 PM 4: 00

PROTECTION  
ENVIRONMENTAL

70254

LOP - RECORD CHANGE REQUEST FORM

printed:  
04/24/2000

Mark Out What Needs Changing and Hand to LOP Data Entry  
(Name/Address changes go to Annual Programs Data Entry)

Insp: SH

AGENCY # : 10000      SOURCE OF FUNDS: F      SUBSTANCE: 8006619  
 StID : 814      LOC:  
 SITE NAME: Bay Super Shell      DATE REPORTED : 01/01/1982  
 ADDRESS : 1800 Powell St      DATE CONFIRMED: 01/01/1982  
 CITY/ZIP : Emeryville      94608      MULTIPLE RPs : N

SITE STATUS

-----  
 CASE TYPE: W CONTRACT STATUS: 4      PRIOR CODE:2B4      EMERGENCY RESP:  
 RP SEARCH: S      DATE COMPLETED: 01/02/1992  
 PRELIMINARY ASMNT: U      DATE UNDERWAY: 10/01/1987      DATE COMPLETED:  
 REM INVESTIGATION:      DATE UNDERWAY:      DATE COMPLETED:  
 REMEDIAL ACTION:      DATE UNDERWAY:      DATE COMPLETED:  
 POST REMED ACT MON:      DATE UNDERWAY:      DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1      DATE ENFORCEMENT ACTION TAKEN: 01/02/1992  
 LUFT FIELD MANUAL CONSID: 3HSCAWG  
 CASE CLOSED:      DATE CASE CLOSED:  
 DATE EXCAVATION STARTED :      REMEDIAL ACTIONS TAKEN: UK

RESPONSIBLE PARTY INFORMATION

-----  
 RP#1-CONTACT NAME: Karen Petryna  
 COMPANY NAME: Equiva Services, L L C  
 ADDRESS: P O Box 7869  
 CITY/STATE: Burbank, California 91501-7869

} new address

INSPECTOR VERIFICATION:					
NAME	SIGNATURE			DATE	
Name/Address Changes Only					
DATA ENTRY INPUT:					
ANNPGRMS			Case Progress Changes		
LOP	DATE	LOP	DATE	LOP	DATE

LOP - RECORD CHANGE REQUEST FORM

printed:  
04/24/2000

Mark Out What Needs Changing and Hand to LOP Data Entry  
(Name/Address changes go to Annual Programs Data Entry)

Insp: SH

AGENCY # : 10000      SOURCE OF FUNDS: F      SUBSTANCE: 8006619  
StID : 814      LOC:  
SITE NAME: Bay Super Shell      DATE REPORTED : 01/01/1982  
ADDRESS : 1800 Powell St      DATE CONFIRMED: 01/01/1982  
CITY/ZIP : Emeryville      94608      MULTIPLE RPs : N

SITE STATUS

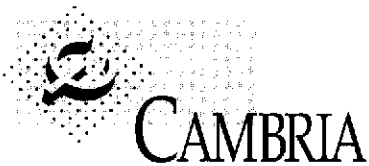
CASE TYPE: W CONTRACT STATUS: 4      PRIOR CODE:2B4      EMERGENCY RESP:  
RP SEARCH: S      DATE COMPLETED: 01/02/1992  
PRELIMINARY ASMNT: U      DATE UNDERWAY: 10/01/1987      DATE COMPLETED:  
REM INVESTIGATION:      DATE UNDERWAY:      DATE COMPLETED:  
REMEDIAL ACTION:      DATE UNDERWAY:      DATE COMPLETED:  
POST REMED ACT MON:      DATE UNDERWAY:      DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1      DATE ENFORCEMENT ACTION TAKEN: 01/02/1992  
LUFT FIELD MANUAL CONSID: 3HSCAWG  
CASE CLOSED:      DATE CASE CLOSED:  
DATE EXCAVATION STARTED :      REMEDIAL ACTIONS TAKEN: UK

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Karen Petryna  
COMPANY NAME: Equiva Services, L L C  
ADDRESS: P O Box 6249  
CITY/STATE: Carson, California 90749-6249

INSPECTOR VERIFICATION:					
NAME	SIGNATURE			DATE	
Name/Address Changes Only					
DATA ENTRY INPUT:					
Name/Address Changes Only			Case Progress Changes		
ANPPGMS	LOP	DATE	LOP	DATE	



#014 (SH)

ENVIRONMENTAL  
PROTECTION

97 DEC -3 PM 3:44

**SHELL OIL PRODUCTS COMPANY**  
**CALIFORNIA WATER QUARTERLY REPORT**  
**CALIFORNIA REGIONAL WATER QUALITY CONTROL**  
**SAN FRANCISCO BAY REGION**

Third Quarter 1997

**WIC# 204-2495-0101**  
**1800 Powell**  
City of **Emeryville 94608**  
County of **Alameda**

---

**Remedial Action Status:**

A downgradient investigation defined limits of gasoline-range hydrocarbons in soil. A tar-like substance was detected in well S-9, most likely related to pervious landfill activities. No remedial action is anticipated at this site.

**Actions planned next 3 months:**

This site is currently monitored annually in the fourth quarter.

Soil Contamination Defined?	Yes
Soil Cleanup in Progress?	No
Free Product Plume Defined?	Yes
Free Product Cleanup in Progress?	Yes
Dissolved Constituent Plume Defined?	Yes

**Consultant: Cambria Environmental Technology, Inc.**

---

NA = Not applicable; no groundwater monitoring wells exist on site.

12/1/97

CAMBRIA

ENVIRONMENTAL

TECHNOLOGY, INC.

1144 65TH STREET,

SUITE B

OAKLAND,

CA 94608

PH: (510) 420-0700

FAX: (510) 420-9170

---

**ALAMEDA COUNTY ENVIRONMENTAL  
HEALTH SERVICES**

**ENVIRONMENTAL PROTECTION DIVISION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
Telephone (510) 567-8700 Fax (510) 337-9335**

**FAX COVER SHEET**

DATE: January 23, 1997  
TO: Paul White / Scott MacLeod

FAX # (510) 420-9170

Total number of pages including cover sheet 2

FROM: **SUSAN L. HUGO**  
**Senior Hazardous Materials Specialist**

**NOTE:**

**PLEASE RESPOND BY FAX ONLY.**

Please make a note of the Shell sites listed in the attached letter (4/96) to Jeff Cranberry. All QM reports should be directed to my attention. Please call if you have any questions.

(SMILE) HAVE A NICE DAY  
DO SOMETHING FOR OUR ENVIRONMENT

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

Alameda County CC4580  
Environmental Health Services  
1131 Harbor Bay Pkwy., #250  
Alameda CA 94502-6577  
(510)567-6700 FAX(510)337-9335

July 18, 1996

Mr. Jeff Granberry  
Shell Oil Products Co.  
P.O. Box 4023  
Concord, California 94524

**RE: Groundwater Flow Study in Emeryville**

Dear Mr. Granberry:

The Alameda County Department of Environmental Health, Environmental Protection Division (ACDEH) and the Department of Toxic Substances Control (DTSC) are coordinating a groundwater flow study in Emeryville, specifically in the area near the Cypress Freeway (880) reconstruction project and the EBMUD North Interceptor sanitary sewer relocation due to what appeared to be inconsistent flow directions observed at nearby sites.

The following sites under the oversight of either ACDEH or DTSC are requested to participate in this study:

Good Guys - 5800 Christie Avenue	(ACDEH)
Shellmound I, II and III - Eastshore Highway	(DTSC)
Barbary Coast - 4300 Eastshore Highway	(DTSC)
Powell Street Plaza (PIE) - 5500 Eastshore Highway	(ACDEH)
Days Inn Hotel - 1603 Powell Street	(ACDEH)
BP Oil Station - 1700 Powell Street	(ACDEH)
Shell Oil Station - 1800 Powell Street	(ACDEH)
Myers Container - 4500 Shellmound Street	(DTSC)
Hacros Pigment Plant - 4650 Shellmound Street	(ACDEH)
Goldsmith Lathrop - 5813 Shellmound Street	(ACDEH)

It is necessary to coordinate / tie-in (using the same bench mark) the groundwater elevation readings of the monitoring wells at 1800 Powell Street (Shell Oil Station) with wells at the above listed sites.

Please inform your consultants that the tentative schedule for the groundwater elevation measurements for all the sites listed above will be on July 30, 1996.

If you have any questions regarding this letter, please contact me at (510) 567-6780 or Ted Park of DTSC at (510) 540-3847.

Sincerely,

Susan L. Hugo, Senior Hazardous Materials Specialist

c: Mee Ling Tung, Director, Environmental Health  
Gordon Coleman, Acting Chief, Environmental Protection / files  
Ted Park, DTSC, 700 Heinz Ave., Berkeley, CA 94710-2737  
Sum Arigala, San Francisco Bay RWQCB



ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, DIRECTOR

April 18, 1996

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

DEPARTMENT OF ENVIRONMENTAL HEALTH  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577  
(510) 567-6777

RE: Shell Oil Company Sites

Dear Mr. Granberry:

Recently, reports for the Shell Oil Company sites have been submitted to different inspectors / case officers that are not the assigned case workers. I'm currently overseeing the investigation / cleanup of the following Shell Oil Company sites in this department:

<u>STID#</u>	<u>Site Name</u>	<u>Address</u>
3670	Melina Albany Shell	999 San Pablo Avenue, Albany
814	Bay Super Shell	1800 Powell Street, Emeryville
381	Shell Oil Company	3420 San Pablo Ave., Oakland
3613	Former Shell Oil	500 40th Street, Oakland
413	Pill Hill Shell	2800 Telegraph Ave., Oakland
3673	Shell Service Station	230 W MacArthur Blvd., Oakland
3618	Broadway Shell	5755 Broadway, Oakland

Please inform your consultants that all quarterly monitoring reports and work plans for the above mentioned sites should be submitted to my attention.

If you have any questions concerning this letter, please call me at (510) 567-6780.

Sincerely,

Susan L. Hugo  
Senior Hazardous Materials Specialist

c: Jun Makishima, Interim Director, Environmental Health  
Gordon Coleman, Acting Chief, Environmental Protection / files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

April 4, 1996  
STID # 814

DEPARTMENT OF ENVIRONMENTAL HEALTH  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577  
(510) 567-6777

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

RE: Investigation Work Plan for Shell Service Station  
1800 Powell Street, Emeryville CA 94608

Dear Mr. Granberry:

The Alameda County Department of Environmental Health, Environmental Protection Division has reviewed the Investigation Work Plan (March 6, 1996) prepared and submitted by Weiss Associates for the above referenced site.

Based on this review, the workplan is acceptable to this office provided the following items are addressed:

- 1) During borehole advancement, soil samples must be collected every five feet in the unsaturated zone, significant changes in lithology and where field screening identifies the presence of contaminants. The selection of samples chosen for laboratory analysis should be based primarily on field evidence. At a minimum, one sample submitted for analysis from the boring must be from the saturated / unsaturated zone interface.
- 2) Soil and groundwater samples shall be analyzed for the following target compounds: TPH gasoline, TPH diesel, TPH as motor oil, BTEX, poly aromatic hydrocarbons (PAHs), methyl tertiary butyl ether (MTBE) and metals (Pb, Cr, Cd, Ni, Zn, As).
- 3) Any waste (hazardous or non-hazardous) generated at the site must be characterized and disposed appropriately.
- 4) Separate-phase hydrocarbon (up to 2.38 feet in thickness) has been detected in monitoring well S-9 since 1984. Interim remedial measures implemented to date should be submitted to this agency. Free product must be recovered on a regular basis and product removal must comply with the requirements as stated in the California Code of Regulations, Title 23, Section 2655.
- 5) A site health and safety plan shall be submitted to this office prior to implementation of the work plan.

Mr. Jeff Granberry  
RE: 1800 Powell Street, Emeryville, CA 94608  
April 4, 1996  
Page 2 of 3

- 6) An Underground Storage Tank Unauthorized Release (Leak)/ Contamination Site Report (ULR) has not been filed for the site. Please complete and submit the enclosed ULR form to this office within five days upon receipt of this letter.
- 7) This office has no records of the installation of the groundwater monitoring wells (active or abandoned) at the site. Please provide our office with copies of the monitoring well construction diagrams and boring logs for all the wells at the site. In addition, historical soil and groundwater data should also be submitted.
- 8) Please notify this office at least 72 hours in advance for the start up of the work plan implementation so a site visit can be arranged by a representative from this office.

A report must be submitted to this agency within **45 days** after completion of the work performed at the site.

Until cleanup is complete, you will need to submit quarterly reports to this office and the following items must be incorporated in your future reports or work plans:

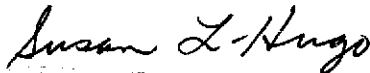
- a cover letter from the responsible party or tank owner stating the accuracy of the report and whether he/she concurs with the conclusions and recommendations in the report or work plan
- site map delineating contamination contours for soil and groundwater based on recent data should be included and the status of the investigation and cleanup must be identified
- proposed continuing or next phase of investigation / cleanup activities must be included to inform this department of the responsible party or tank owner's intention
- any changes in the groundwater flow direction and gradient based on the measured data since the last sampling event must be explained
- historical records of groundwater level in each well must be tabulated to indicate the fluctuation in water levels
- tabulate analytical results from all previous sampling events; provide laboratory reports (including quality control/quality assurance) and chain of custody documentation

Mr. Jeff Granberry  
RE: 1800 Powell Street, Emeryville, CA 94608  
April 4, 1996  
Page 3 of 3

All reports and proposals must be submitted under seal of a California Registered Geologist or Registered Civil Engineer with a statement of qualifications for each lead professionals involved with the project.

If you have any questions concerning this letter, please call me at (510) 567-6780.

Sincerely,



Susan L. Hugo  
Senior Hazardous Materials Specialist

enclosure

c: Jun Makishima, Interim Director, Environmental Health  
Gordon Coleman, Acting Chief, Environmental Protection / files  
Kevin Graves, San Francisco Bay RWQCB  
Yi-Ran Wu, Weiss Associates, 5500 Shellmound Street,  
Emeryville, CA 94608

# SHELL WELL MONITORING DATA SHEET

Project #: <u>931112-J1</u>	Wic # <u>204 2495 0101</u>
Sampler: <u>J. BOTTORFF</u>	Date Sampled: <u>11/12/93</u>
Well I.D.: <u>S-13</u>	Well Diameter: (circle one) 2 <u>3</u> 4 6
Total Well Depth: Before <u>20.06</u> After	Depth to Water: Before <u>9.84</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to:	PVC      Grade      Other --

Volume Conversion Factor (VCF):  
 $VCF = (d^2/4) \times \pi / 2.31$   
 where  
 d = diameter (in.)  
 π = 3.1416  
 2.31 = 2.31 ft/gal

Well dia.	VCF
2"	0.16
3"	0.37
4"	0.61
6"	1.47
8"	3.04
10"	4.60
12"	8.17

<u>3.8</u>	x	<u>3</u>	=	<u>11.4</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer       Middleburg       Electric Submersible       Suction Pump       Type of Installed Pump \_\_\_\_\_

Sampling: Bailer       Middleburg       Electric Submersible       Suction Pump       Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1200	63.8	7.6	>10000	>200	4	
1203	65.6	7.8	>10000	>200	8	
1205	64.8	7.8	>10000	>200	11.5	

Did Well Dewater? N If yes, gals.      Gallons Actually Evacuated: 12

Sampling Time: 12:15

Sample I.D.: S-13      Laboratory: (A)

Analyzed for: TPH GAS BTEX DIESEL

Duplicate I.D.:      Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

# SHELL WELL MONITORING DATA SHEET

Project #: 9311/2-J1	Vic # 204 2495 0101
Sampler: J. BOTOCFF	Date Sampled: 11/12/93
Well I.D.: 5-14	Well Diameter: (circle one) 2 <u>3</u> 4 6
Total Well Depth: Before 23.26 After	Depth to Water: Before 9.91 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u> Grade Other --	

Volume Conversion Factor (VCF):  
 $(12 \times (d^2/4) \times \pi) / 231$   
 Where:  
 $12 = 12 \text{ in/foot}$   
 $d = \text{diameter (in.)}$   
 $\pi = 3.1416$   
 $231 = \text{in}^3/\text{gal}$

Well (in.)	VCF
2"	0.24
3"	0.35
4"	0.48
5"	0.67
6"	0.94
8"	1.37
10"	1.64
12"	2.37

<u>4.9</u>	x	<u>3</u>	=	<u>14.7</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer  Middleburg  Electric Submersible  Suction Pump  Type of Installed Pump \_\_\_\_\_

Sampling: Bailer  Middleburg  Electric Submersible  Suction Pump  Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1250	67.1	7.6	>10000	186.6	4.9	
1253	65.4	7.6	>10000	147.3	9.8	
1256	66.3	7.6	>10000	91.2	14.7	

Did Well Dewater? N If yes, gals. Gallons Actually Evacuated: 15

Sampling Time: 1310

Sample I.D.: 5-14 Laboratory: D

Analyzed for: TPH GAS BTEX, DIESEL

Duplicate I.D.: \_\_\_\_\_ Cleaning Blank I.D.: \_\_\_\_\_

Analyzed for: \_\_\_\_\_

Shipping Notations: \_\_\_\_\_

Additional Notations: \_\_\_\_\_

WATER RESOURCES CONTROL BOARD  
DIVISION OF WATER QUALITY - UST CLEANUP PROGRAM  
SITE SPECIFIC QUARTERLY REPORT  
AGENCY NO: 10000  
10/15/91 THROUGH 01/15/92

SOURCE OF FUNDS: *F*  
StID : 814  
SITE NAME: Bay Super Shell  
ADDRESS : 1800 Powell St.  
CITY/ZIP : Emeryville 94608  
SUBSTANCE: *8006619*

MULTIPLE RP's?: *N*  
DATE REPORTED: *--/--/82*  
DATE CONFIRMED: *--/--/82*

SITE STATUS  
-----

CASE TYPE: <i>G</i>	CONTRACT STATUS: <i>2</i>	EMERGENCY RESP:
RP SEARCH: <i>S</i>	DATE UNDERWAY:	DATE COMPLETED: <i>1/2/92</i>
PRELIMINARY ASMNT: <i>u</i>	DATE UNDERWAY: <i>10/--/87</i>	DATE COMPLETED:
REM INVESTIGATION:	DATE UNDERWAY:	DATE COMPLETED:
REMEDIAL ACTION:	DATE UNDERWAY:	DATE COMPLETED:
POST RA MON:	DATE UNDERWAY:	DATE COMPLETED:

ENFORCEMENT ACTION TYPE : *1* DATE TAKEN: *1/2/92*  
LUFT FIELD MANUAL CONSID: *3 H S C A W 6*  
CASE CLOSED: DATE CLOSED:  
DATE EXCAVATION STARTED: REMEDIAL ACTIONS TAKEN:

RESPONSIBLE PARTY  
-----

RP#1-CONTACT NAME: *Jack Brastad*  
COMPANY NAME: *Shell Oil Co.*  
ADDRESS: *P.O. Box 5278*  
CITY/STATE: *Concord, CA 94524*  
PHONE:

RP#2-CONTACT NAME:  
COMPANY NAME:  
ADDRESS:  
CITY/STATE:  
PHONE:

RP#3-CONTACT NAME:  
COMPANY NAME:  
ADDRESS:  
CITY/STATE:  
PHONE:

RP#4-CONTACT NAME:  
COMPANY NAME:  
ADDRESS:  
CITY/STATE:  
PHONE:



gettler — ryan inc.

ALAMEDA COUNTY  
DEPT. OF ENVIRONMENTAL HEALTH  
HAZARDOUS MATERIALS

10/19/89

general contractors

October 16, 1989

STID 814

Mr. Rafat Shahid  
County of Alameda  
Hazardous Materials Division  
80 Swan Way, Room 200  
Oakland, California 94621

Reference: Shell Service Station  
1800 Powell Street  
Emeryville, California

Gentlemen:

Enclosed is a copy of the the Ground-Water Sampling Report issued by GeoStrategies Inc., dated October 10, 1989, documenting the groundwater sampling conducted during the July - September 1989 quarter at the above referenced location.

Please do not hesitate to call should you have any question or comment.

Sincerely,

John P. Werfal  
Project Manager

enclosure

cc: Ms. W. Howell, Shell Oil Company  
Ms. D. Lundquist, Shell Oil Company  
Mr. T. Callaghan, Regional Water Quality Control Board



DATE:

TO : Local Oversight Program

FROM:

SUBJ: Transfer of Eligible Oversight Case

Site name: Bay Super Shell  
Address: 1800 Powell St city Emeryville zip 94608

Closure plan attached? Y N DepRef remaining \$ \_\_\_\_\_

DepRef Project # \_\_\_\_\_ STID #(if any) 814

Number of Tanks: \_\_\_\_\_ removed? Y N Date of removal \_\_\_\_\_

Samples received? Y N Contamination: yes

Petroleum Y N Types: Avgas Jet leaded unleaded Diesel  
fuel oil waste oil kerosene solvents

Monitoring wells on site \_\_\_\_\_ Monitoring schedule? Y N

LUFT category 1 2 3 \* H S C A R W G O discovery  
---(P2)

Briefly describe the following:

Preliminary Assessment \_\_\_\_\_

Remedial Action \_\_\_\_\_

Post Remedial Action Monitoring \_\_\_\_\_

Enforcement Action \_\_\_\_\_

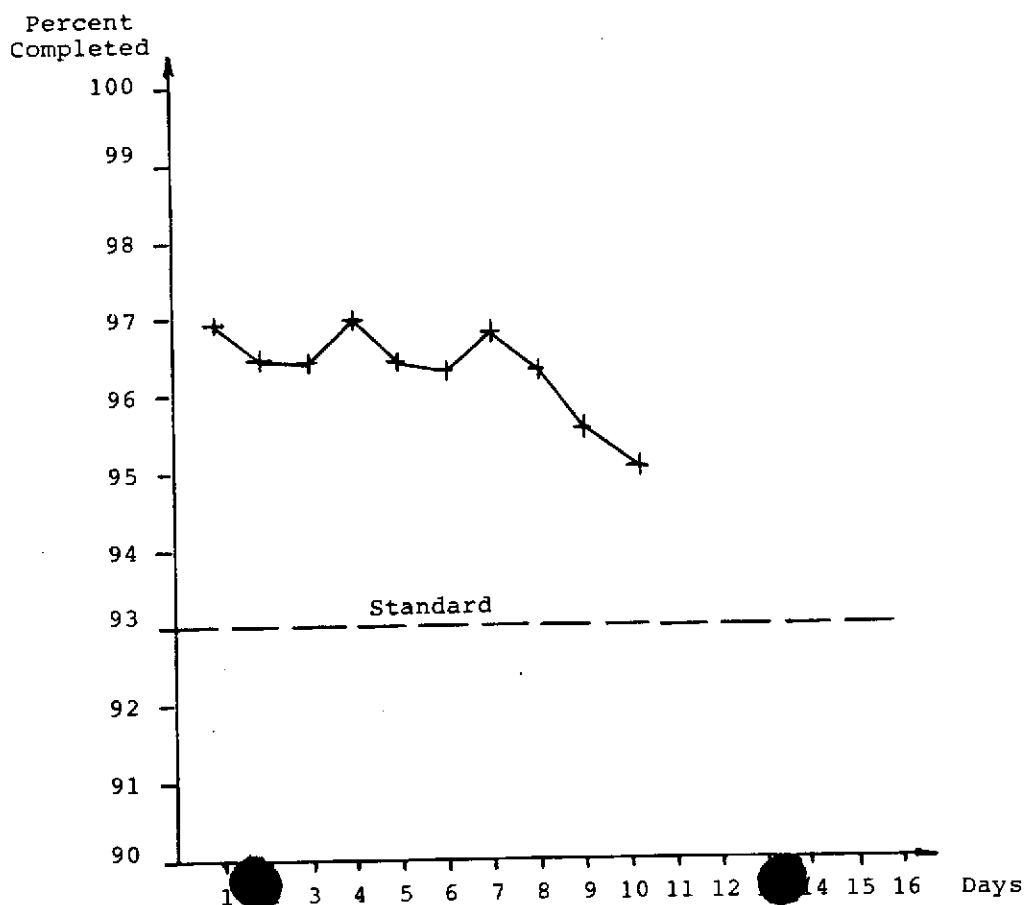
Assessors:  
Shell Oil Co.  
P. O. Box 2099  
Houston, TX 77052

discrepancy is negative, then corrective actions should be initiated. The urgency of the corrective action is a function of the magnitude of the negative discrepancy: the larger the magnitude, the greater the urgency for a corrective action.

#### 2.1.4 Example of loop

The following is a description of a simple control system used by a data processing company to control the processing time of documents. As a contractual requirement, the company agrees to complete the processing of at least 93 percent of the documents within 10 working days (i.e., the standard). A computer printout furnishes daily information on the percentage of documents completed within 10 working days. Daily performance of a ten day sample is charted in Exhibit 2.3.

EXHIBIT 2.3. Percentage of documents completed within 10 working days.



WATER RESOURCES CONTROL BOARD  
DIVISION OF WATER QUALITY - UST CLEANUP PROGRAM  
SITE SPECIFIC QUARTERLY REPORT  
01/01/92 THROUGH 03/31/92

AGENCY # : 10000      SOURCE OF FUNDS: F      SUBSTANCE: 8006619  
StID : 814  
SITE NAME: Bay Super Shell      DATE REPORTED : 01/01/82  
ADDRESS : 1800 Powell St.      DATE CONFIRMED: 01/01/82  
CITY/ZIP : Emeryville      94608      MULTIPLE RPs : N

SITE STATUS  
-----

CASE TYPE: G	CONTRACT STATUS: 2	EMERGENCY RESP:
RP SEARCH: S		DATE COMPLETED: 01/02/92
PRELIMINARY ASMNT: U	DATE UNDERWAY: 10/01/87	DATE COMPLETED:
REM INVESTIGATION:	DATE UNDERWAY:	DATE COMPLETED:
REMEDIAL ACTION:	DATE UNDERWAY:	DATE COMPLETED:
POST REMED ACT MON:	DATE UNDERWAY:	DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1      DATE ENFORCEMENT ACTION TAKEN: 01/02/92  
LUFT FIELD MANUAL CONSID: 3HSCAWG  
CASE CLOSED:      DATE CASE CLOSED:  
DATE EXCAVATION STARTED :      REMEDIAL ACTIONS TAKEN: UK

RESPONSIBLE PARTY INFORMATION  
-----

RP#1-CONTACT NAME: Jack Brastad  
COMPANY NAME: Shell Oil Co.  
ADDRESS: P. O. Box 5278  
CITY/STATE: Concord, Ca 94524

---