

RECEIVED

MAR 12 2008

ENVIRONMENTAL HEALTH SERVICES

March 4, 2008
DELTA Project SCA152751
SAP 129460

Mr. Matthew Widner
Evans Management Services
871 38th Avenue
Santa Cruz, CA 95062

**Subject: Access Agreement to Properties at 747 Lewelling
Boulevard and 15275 Washington Avenue, San
Leandro, CA**



Dear Mr. Widner:

The Alameda County Health Services Agency (ACHSA) has required Shell Oil Products US (SHELL) to perform a soil vapor survey (survey) which will include the above referenced properties. Delta Consultants (DELTA) has been retained by SHELL to perform this survey.

On December 7, 2007 I contacted you regarding access to the above referenced properties which, at that time, included a Smog Certification Station (former SHELL service station) addressed 15275 Washington Avenue, San Leandro, CA and Salel's Mobile Home Park, addressed 747 Lewelling Blvd., San Leandro CA. You stated as the management company for these properties, it would be your responsibility to contact the owner, Salel Enterprises. At your request we sent you a work plan and property access agreement on December 7, 2007 detailing the survey and requesting access to the properties. We then contacted you on December 13, 2007 regarding these documents. You stated you did not receive them and we sent you another copy. In various phone conversations since that time you have stated you received the documents, had passed them on to Mr. Robert Guilford of Salel Enterprises, reminded him of it several times but had not heard back from him.

If we do not hear back from you regarding access to these properties within two weeks from the date of this letter (March 18, 2008), we will need to contact the ACHSA regarding our inability to obtain access these properties. If you will not allow SHELL to perform this survey the ACHSA may require the property owner to perform the survey.

Please feel free to contact me at 408 826-1880 regarding this matter.

Sincerely,
Delta Consultants

A handwritten signature in cursive script, appearing to read "Richard A. Garlow".

Richard A. Garlow, M.S., P.G.
Project Manager

cc: Mr. Jerry Wickham, Alameda County Health Care Services Agency
Mr. Denis Brown, Shell Oil Products US

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

August 31, 2007

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

Mr. Frank Salel
Salel Enterprises
P.O. Box 5099
Oakland, CA 94605

Subject: Fuel Leak Case No. RO0000372 and Geotracker Global ID T0600101226,
Shell#129460, 15275 Washington Avenue, San Leandro, CA 94579

Dear Mr. Brown and Mr. Salel:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the recently submitted document entitled, "Addendum to 6/15/2007 Soil Vapor Investigation Work Plan," dated August 27, 2007. The Addendum adequately addresses the technical comments in our July 10, 2007 correspondence regarding the proposed soil vapor survey. The scope of work proposed in the "Soil Vapor Investigation Work Plan," dated June 15, 2007 and the August 27, 2007 Addendum are approved for implementation.

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:

- **January 8, 2008** –Soil Vapor Investigation Report
- **45 days following end of First and Third Quarters** – Semi-Annual Monitoring 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

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

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

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.

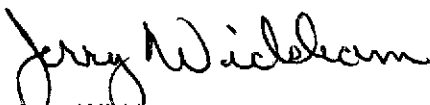
Denis Brown
Frank Salel
August 31, 2007
Page 3

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: Tom Hargett
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



F

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

July 10, 2007

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

Mr. Frank Salel
Salel Enterprises
P.O. Box 5099
Oakland, CA 94605

Subject: Fuel Leak Case No. RO0000372 and Geotracker Global ID T0600101226,
Shell#129460, 15275 Washington Avenue, San Leandro, CA 94579

Dear Mr. Brown and Mr. Salel:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the recently submitted documents entitled, "Soil Vapor Investigation Work Plan," dated June 15, 2007 and "Quarterly Monitoring Report – First Quarter 2007," dated April 15, 2007. The June 15, 2007 Work Plan presents responses to technical comments contained in our December 29, 2006 correspondence. In our December 29, 2006 correspondence, we requested that you propose plans for re-evaluation of the potential for indoor air vapor intrusion from on site and off-site contamination to assess whether the SVE system has been effective in reducing soil vapor concentrations at the site and off-site to below levels of potential concern. The Work Plan proposes a soil vapor survey consisting of five soil vapor sampling locations. Based on our review of the case file and proposed scope of work, we request that the proposed scope of work be expanded as discussed in the technical comments below. Therefore, we request that you **submit a Revised Soil Vapor Investigation Work Plan by August 27, 2007.**

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

TECHNICAL COMMENTS

1. **Off-site Soil Vapor Survey.** The proposed scope of work for the off-site soil vapor survey is generally acceptable. However, we request that you add one soil vapor sampling location near existing well S-9 as shown on Revised Figure 2, which is included as an attachment. Please include these plans in the Revised Soil Vapor Investigation Work Plan requested below.

2. **On-Site Soil Vapor Survey.** Only two soil vapor sampling locations are proposed on site. We request that you expand the soil vapor sampling on site to include additional locations where elevated concentrations of volatile organic compounds (VOCs) were previously detected in soil vapor, soil, and groundwater and adjacent to likely sources of contamination. Minimum additional recommended locations are shown on the attached Revised Figure 2.
3. **Soil Vapor Sampling within Building.** Soil vapor samples collected in May 1993 inside the on-site building contained up to 390,000 micrograms per cubic meter of benzene. The highest concentration was measured in the shallowest soil vapor sample collected 2 feet below the floor of the building. A soil vapor extraction (SVE) system operated at the perimeter of the building between May 1998 and August 1999 and intermittently during October 2000. It is unknown whether the SVE system was effective in removing VOCs beneath the interior of the building. In addition to the proposed method for collecting soil vapor samples from a depth of 5 feet bgs, we request that you also collect subslab soil vapor samples to investigate the highly elevated concentrations of benzene detected in soil vapor previously collected 2 feet bgs. We request that subslab and deeper soil vapor samples be collected from a minimum of two locations within the building.
4. **Hydrogeologic Cross Sections, Well Survey Results, and Recommendations for Future Actions.** Our December 29, 2006 correspondence requested that you present a minimum of two hydrogeologic cross sections, a sensitive receptor survey, and recommendations for future actions in the requested Work Plan. The Work Plan proposes the preparation of a site conceptual model (SCM) and Corrective Action Plan (CAP) following collection of the soil vapor sampling data. Preparation of an SCM and CAP following the soil vapor survey is acceptable. The SCM is to include hydrogeologic cross sections and a sensitive receptor survey.
5. **Geotracker EDF Submittals.** A review of the SWRCB Geotracker website indicates that analytical results and copies of the "Soil Vapor Investigation Work Plan," dated June 15, 2007 and "Quarterly Monitoring Report – First Quarter 2007," dated April 15, 2007 have not been submitted to the Geotracker website. Analytical data and water level data from the Quarterly Monitoring Report – First Quarter 2007 have also not been submitted. Pursuant to CCR Sections 2729 and 2729.1, beginning September 1, 2001, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the LUFT program, must be transmitted electronically to the SWRCB Geotracker website via the internet. Additionally, beginning January 1, 2002, all permanent monitoring points utilized to collect groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude accurate to within 1-meter accuracy, using NAD 83, and transmitted electronically to the SWRCB Geotracker website. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). In order to remain in regulatory compliance, please upload the requested information to the Geotracker website.

TECHNICAL REPORT REQUEST

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

- **August 27, 2007** – Revised Soil Vapor Investigation Work Plan
- **45 days following end of First and Third Quarters** – Semi-Annual Monitoring 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

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

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PERJURY STATEMENT

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

Denis Brown
Frank Salel
July 10, 2007
Page 4

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

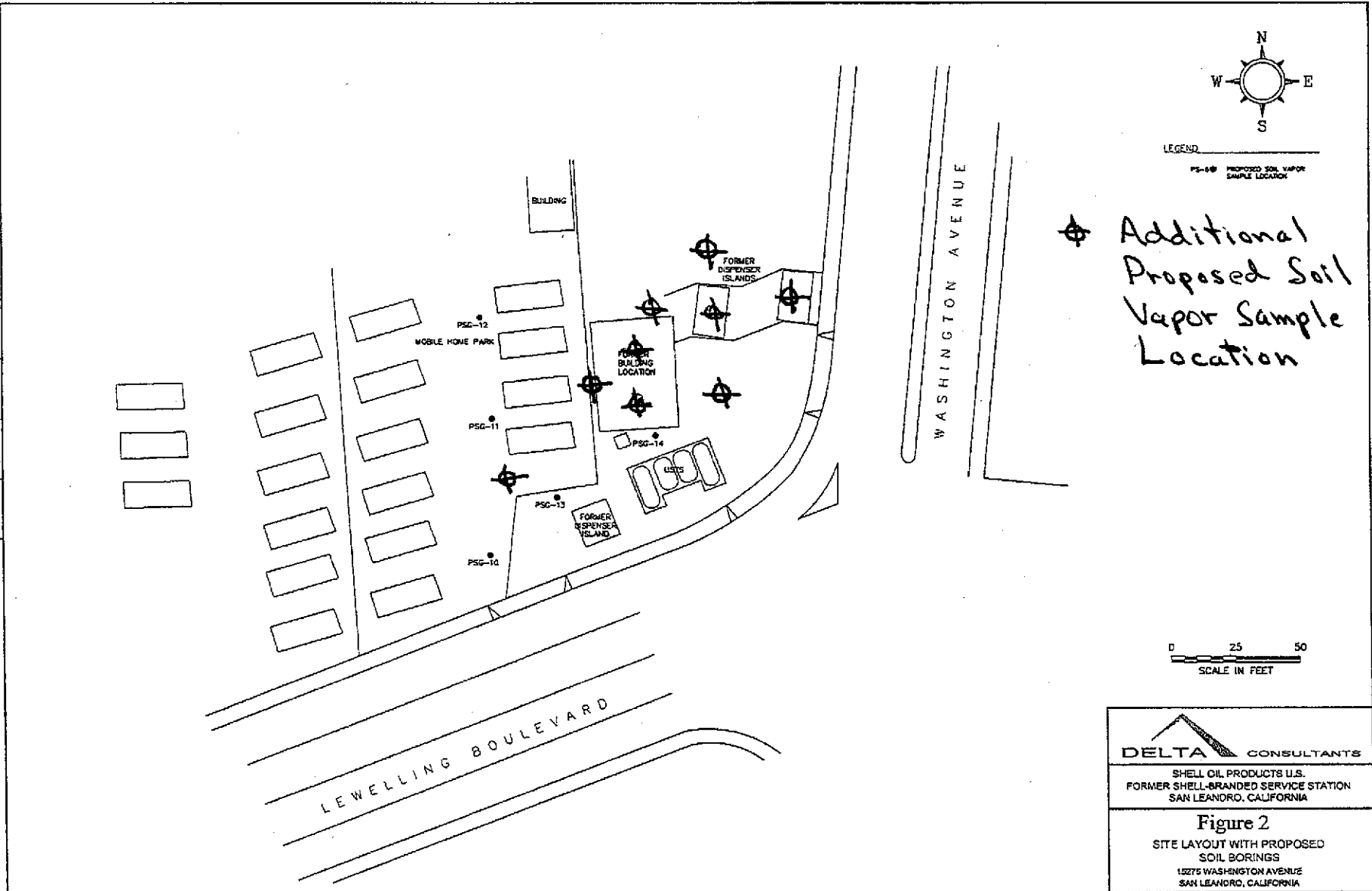
Attachment: Revised Figure 2

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Tom Hargett, Delta Environmental Consultants, Inc., 175 Bernal Road, Suite 200,
San Jose, CA 95119

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

PROJECT NUMBER: SJ152-75W-X
 DRAWN BY: AD 6/25/07
 CHECKED BY: BY 6/25/07
 APPROVED BY:



Revised Figure 2

RO372

Wickham, Jerry, Env. Health

To: Tom Hargett

Subject: RE: 15275 Washington Ave, San Leandro

Based upon your request, the schedule for work plan submittal for case RO0372 is extended to June 15, 2007.

Regards,

Jerry Wickham

Alameda County Environmental Health

1131 Harbor Bay Parkway

Alameda, CA 94502-6577

510-567-6791 phone

510-337-9335 fax

jerry.wickham@acgov.org

From: Tom Hargett [<mailto:THargett@deltaenv.com>]

Sent: Tuesday, May 29, 2007 9:21 AM

To: Wickham, Jerry, Env. Health

Subject: 15275 Washington Ave, San Leandro

As we discussed on 5/29/07, Delta requests an extension of the work plan for soil vapor testing for this site to June 15, 2007. Thank you.

Tom Hargett

Delta Consultants, Inc.

175 Bernal Road, Suite 200

San Jose, CA

408-826-1868

Toll Free: 1-800-477-7411

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5/29/2007

Wickham, Jerry, Env. Health

To: Joe Rounds
Cc: 'Brown, Denis L SOPUS-OP-COR-H'
Subject: RO0372: Former Shell Service Station at 15275 San Leandro

Joe,

Based upon your request, the schedule for submittal of a work plan for case RO0372 is extended to May 15, 2007.

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

From: Joe Rounds [<mailto:JRounds@deltaenv.com>]
Sent: Tuesday, March 27, 2007 4:34 PM
To: Wickham, Jerry, Env. Health
Subject: Former Shell Service Station at 15275 San Leandro

Hi Jerry,

In a letter dated December 29, 2006, you requested a workplan to evaluate the potential for indoor air vapor intrusion, at least two hydrogeologic cross sections, clarification to a well survey, and a site conceptual model. Delta has been working on the above mentioned workplan but has run into problems with locating historic files.

Delta, on behalf of Shell, respectfully requests an extension to the deadline for the workplan of May 15, 2007.

Thanks,
Joe Rounds

Project Engineer/Manager
DELTA CONSULTANTS, INC.
E-mail address: jrounds@deltaenv.com
Direct: 408.826.1871
Cell: 408.679.8540
Toll free: 800.477.7411
www.deltaenv.com

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3/27/2007

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



F

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

December 29, 2006

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

Mr. Frank Salel
Salel Enterprises
P.O. Box 5099
Oakland, CA 94605

Subject: Fuel Leak Case No. RO0000372, Shell#129460, 15275 Washington Avenue, San Leandro, CA 94579

Dear Mr. Brown and Mr. Salel:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the recently submitted document entitled, "Quarterly Monitoring Report – Third Quarter 2006," dated October 15, 2006. The "Quarterly Monitoring Report – Third Quarter 2006," presents the results from semi-annual groundwater monitoring, which indicate that the concentration of Total Petroleum Hydrocarbons as gasoline in off-site well S-9 increased significantly during the past year from 2,800 micrograms per liter ($\mu\text{g/L}$) in July 2005 to 22,500 $\mu\text{g/L}$ in July 2006.

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

TECHNICAL COMMENTS

1. **Soil Vapor Extraction and Potential Vapor Intrusion.** Vapor transport to indoor air was identified as the primary pathway of concern based on soil vapor sampling conducted at the site in 1993 and evaluated in a risk-based corrective action report (Vadose Zone Characterization and Tier 2 Risk-Based Corrective Action Evaluation dated June 23, 1997). Soil vapor samples collected in May 1993 inside the on-site building contained up to 390,000 micrograms per cubic meter of benzene. The highest concentration was measured in the shallowest soil vapor sample collected 2 feet below the floor of the building. A soil vapor extraction (SVE) system operated at the site between May 1998 and August 1999 and intermittently during October 2000. The SVE system included subsurface horizontal piping around the perimeter of the on-site building to address the elevated concentrations of benzene in soil vapor. In a document entitled, "Regulatory Response," dated November 8, 2005, Shell concluded that SVE was no longer a viable remedial alternative due to low hydrocarbon concentrations in influent to the SVE system. ACEH concurred that operation of the system was not required pending re-evaluation of potential human health risks. The

aboveground remediation system was removed in May 2002. We request that you propose plans for re-evaluation of the potential for indoor air vapor intrusion from on site and off-site contamination to assess whether the SVE system has been effective in reducing soil vapor concentrations at the site and off-site to below levels of potential concern. Please present your plans in the Work Plan requested below. In addition, please identify the current use of the on-site building and identify any expected land use changes for the site or adjacent property to the southwest if known.

2. **Hydrogeologic Cross Sections.** We request that you prepare a minimum of two hydrogeologic cross sections for the site. One of the cross sections is to extend in an approximately east-west direction through well S-9, S-5, and S-1 to help evaluate the increasing TPHg concentrations in well S-9. A second cross-section should be oriented in a general north-south direction through the suspected source areas. The cross sections are to show the lateral and vertical extent of soil layers encountered, the location of the tank pits, dispensers, buildings, and SVE system piping, where groundwater was first encountered in borings and the static water levels, screen intervals for monitoring wells and grab groundwater samples, observations of free product, staining, and odor, and analytical results for soil and groundwater samples. Please present the cross sections in the Work Plan requested below.
3. **Well Survey Results.** Please clarify the locations of water supply wells in the area of the site. The "Corrective Action Plan," dated June 24, 1997 and prepared by Enviros indicates that three wells are located within ¼-mile of the site in the downgradient direction but does not show the wells on a map or indicate the distance to the closest well. A "Site Vicinity and Well Survey Map," prepared by Toxichem Management Systems, Inc. and included in the report entitled, "Third Quarter 20054 Monitoring report," dated October 15, 2004 shows well locations on a map but does not present any information on the wells and the well designations are different than those presented in the "Corrective Action Plan." We request that you prepare a map showing the location of all wells within 2,000 feet of the site and a table listing well construction details for the wells. Well construction details are to include the well diameter, screen slot size, total depth of the boring, depths of the screened interval, depths of the filter pack, year of installation, and other construction details that may be relevant. The status of the water supply well, whether active, decommissioned, or unknown is to be included where known. Please present your results in the Work Plan requested below.
4. **Additional Future Actions.** The site currently has ongoing semi-annual groundwater monitoring with no plans for future investigation or cleanup activities. We request that you review the substantial case file for this site to develop a site conceptual model or recommendations for future actions. The site conceptual model or recommendations for future actions are to be presented in the Work Plan requested below.

TECHNICAL REPORT REQUEST

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

- **March 27, 2007** – Work Plan
- **April 15, 2007** – Semi-Annual Monitoring Report for the First Quarter 2007
- **October 15, 2007** – Semi-Annual Monitoring Report for the Third Quarter 2007

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.

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Denis Brown
Frank Salel
December 29, 2006
Page 4

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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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,
San Jose, CA 95119

Sunil Ramdass, SWRCB Cleanup Fund, 1001 I Street, 17th floor
Sacramento, CA 95814-2828

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



October 22, 2002

RO 372

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, 15275 Washington Avenue, San Leandro - Request for Total Fuel Oxygenate Analyses

Dear Ms. Petryna:

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

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Scott O. Seery', is written over a horizontal line. The signature is fluid and somewhat stylized.

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB
Mike Bakaldin, San Leandro Hazardous Materials Program
Jacquelyn Jones, Cambria Env. Technology, Inc., 1144-65th St., Ste. B, Oakland, CA 94608

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

February 9, 2001

STID 1507

Ms. Karen Petryna
Equiva Services LLC
Science & Engineering, West Coast
P.O. Box 7869
Burbank, CA 91501-7869

RE: (Former) Shell Service Station, 15275 Washington Avenue, San Leandro

Dear Ms. Petryna:

Thank you for our receipt of the November 8, 2000 Cambria letter report sent in response to the October 5, 2000 correspondence from this office regarding the operation of the soil vapor extraction (SVE) system and well SR-1.

Cambria reports that their personnel visited the site on three occasions in October 2000 to restart and troubleshoot the SVE system. Cambria indicates the system would not remain running. The cause of this problem was not determined. Cambria also presents the results of influent concentration analyses for a vapor sample collected during their final site visit in October. This sample appears to confirm an earlier assertion of low influent concentrations. In addition, reported benzene concentrations were <0.0314 ppmv (<0.1 ug/l), the laboratory reporting limit for this analyte.

Cambria also presents an argument for not restoring the function of well SR-1. Cambria offers that nearby wells S-3, -5, and -7 should provide adequate coverage in vicinity of SR-1. This is a reasonable perspective provided the noted wells, in addition to well S-8, remain accessible during each scheduled sampling and/or monitoring event. Please be aware that upon closure of this case, well SR-1 must be properly destroyed under permit from Alameda County Public Works Agency.

Operation of the SVE system is not required at this time pending reevaluation of potential human health risks.

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

Ms. Karen Petryna
Re: 15275 Washington Ave., San Leandro
February 9, 2001
Page 2 of 2

cc: Chuck Headlee, RWQCB
Mike Bakaldin, San Leandro Hazardous Materials Program
Darren Croteau, Cambria Env. Technology, 1144 65th St., Ste. B, Oakland, CA 94608
Jonathan Redding, Fitzgerald, Abbot & Beardsley LLP, 1221 Broadway, 21st Floor,
Oakland, CA 94612
Richard Waxman, Wendell, Rosen, Black & Dean, P.O. Box 2047,
Oakland, CA 94604-2047
John Verber, Larson & Burnham, 1901 Harrison St., Oakland, CA 94604

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

October 5, 2000

STID 1507

Ms. Karen Petryna
Equiva Services LLC
Science & Engineering, West Coast
P.O. Box 7869
Burbank, CA 91501-7869

RE: (Former) Shell Service Station, 15275 Washington Avenue, San Leandro

Dear Ms. Petryna:

I have completed a recent evaluation of this case in order to determine its current status with respect to the operation of the soil vapor extraction (SVE) system. The four latest Cambria Environmental Technology, Inc. (Cambria) reports, dated February 28, March 29, September 1, and September 22, 2000, were reviewed to determine SVE operation during the 4th quarter of 1999, and the 1st, 2nd, and 3rd quarters of 2000.

It appears that the SVE system has not been in operation since August 1999.

Cambria states in their 4th quarter 1999 report that intermittent shut downs of the SVE system have resulted in poor run-time efficiencies. Consequently, the SVE system was reportedly not operated during the 4th quarter 1999 due to a reported decrease in influent concentrations. The report goes on to indicate "...[t]he system was pulsed on October 7, 1999, and influent and effluent samples were collected. However, the samples were not picked up by Sequoia Laboratories, therefore, lab data for the October 7, 1999 sampling event is not available". Cambria indicates that the system will be restarted in April or May 2000 to confirm low influent concentrations.

Cambria's 1st quarter 2000 report states "...[s]ince influent concentrations have decreased, the system was not operated during the first quarter of 2000". No mention of the October 7, 1999 influent and effluent sample analyses is made, nor are the laboratory results for such provided. Cambria informs that they will troubleshoot the intermittent shut downs of the SVE system during the second quarter of 2000, and reiterates that the system will be restarted in April or May of 2000.

Cambria's 2nd quarter 2000 report indicates that the system was not operated during that quarter. No mention is made of previous plans to restart the system in April or May and troubleshoot the reported problems. However, the report now states that "...[t]he SVE system will remain off due to low influent concentrations". As before, no laboratory data are provided to support this determination.

Ms. Petryna
Re: 15275 Washington Ave., San Leandro
October 5, 2000
Page 2 of 2

Cambria's 3rd quarter 2000 report essentially restates, with respect to the status of the SVE system, the conclusions of the previous report. Although attached to this report are graphical representations of reported SVE influent and effluent concentrations over the operative life of the system, the October 1999 data do not appear to be represented. In the absence of documentation supporting the expenditure of resources to "troubleshoot" the system, it appears that the earlier proposals to do so have never been fulfilled.

At this time Equilon is directed to reinstate the operation of SVE system before the onset of the rainy season in order to evaluate its efficacy as a viable remediation alternative at this site.

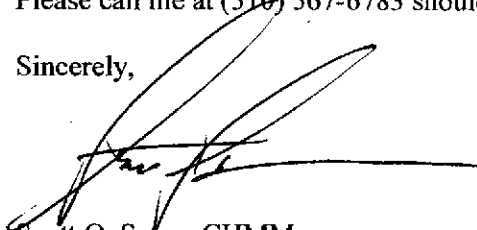
Upon receipt of several quarters of laboratory data, be it from continuous or pulsed operation of the SVE system, a determination can be made with consultation with this office whether or not it is appropriate to shut down the system. Such concurrence was not sought from this office previously.

In addition, Cambria has also reported that well SR-1 has had an "obstruction" first noticed approximately 6 months ago. Cambria reports that this obstruction appears to be sand that fills the well casing up to ~ 1.5' from grade. No explanation for the presence of this sand had been provided, nor has there been any apparent effort to remedy the problem.

Please submit your plans to salvage well SR-1 to regain full use of it as a sampling and monitoring point prior to the next scheduled sampling and monitoring event.

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

cc: Tom Peacock, ACDEH
Chuck Headlee, RWQCB
Mike Bakaldin, San Leandro Hazardous Materials Program
Jonathan Redding, Fitzgerald, Abbot & Beardsley LLP, 1221 Broadway, 21st Floor,
Oakland, CA 94612
Richard Waxman, Wendell, Rosen, Black & Dean, P.O. Box 2047,
Oakland, CA 94604-2047
John Verber, Larson & Burnham, 1901 Harrison St., Oakland, CA 94604

SOS
ST 101507

CAMBRIA

March 31, 2000

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

Re: Certified List of Record Fee Title Owners for:
Former Shell Service Station
15275 Washington
San Leandro, CA
Incident No. 97088270



Dear Mr. Berkins:

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

Salel Enterprises, PO Box 5099, Oakland, CA 94605-0099

Sincerely,

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

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank California 91510-7869
Salel Enterprises, PO Box 5099, Oakland, CA 94605-0099

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

**Cambria
Environmental
Technology, Inc.**

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

November 23, 1999

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

RE: Relocation of Equiva Services LLC West Coast Administrative Center

Dear Mr. Seery:

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

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

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

Sincerely,



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

3719	6039 College	Oak
3672	9750 Golf Links	"
1107	29 Wildwood	Pied.
1646	4226 1st St.	Pleas
5807	5251 Hopyard	"
1673	3290 "	"
768	1784 150th	S. Lean.
15775	Washington	"

99 DEC -1 PM 2:43
ENVIRONMENTAL
PROTECTION
AGENCY

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

May 4, 1999

STID 1507

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

RE: (Former) Shell Service Station, 15275 Washington Avenue, San Leandro

LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

Dear Ms. Petryna:

This letter is to inform you of new legislative requirements pertaining to cleanup and closure of sites where an unauthorized release of hazardous substance, including petroleum, has occurred from an underground storage tank (UST). Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a site cleanup proposal, 2) a site closure proposal, 3) a local agency intention to make a determination that no further action is required, and 4) a local agency intention to issue a closure letter. Section 25297.15(b) requires the local agency to take all reasonable steps to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

For purposes of implementing these sections, you have been identified as the primary or active responsible party. Please provide to this agency, within twenty (20) calendar days of receipt of this notice, a complete mailing list of all current record owners of fee title to the site. You may use the enclosed "list of landowners" form (sample letter 2) as a template to comply with this requirement. If the list of current record owners of fee title to the site changes, you must notify the local agency of the change within 20 calendar days from when you are notified of the change.

If you are the sole landowner, please indicate that on the landowner list form. The following notice requirements do not apply to responsible parties who are the sole landowner for the site.

LANDOWNER NOTIFICATION

Re: 15275 Washington Ave., San Leandro

May 4, 1999

Page 2 of 2

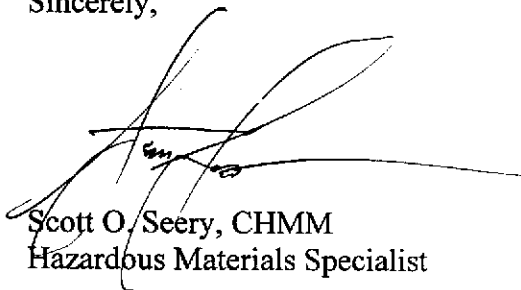
In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

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

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

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

Sincerely,



Scott O. Seery, CHMM
Hazardous Materials Specialist

Attachments

cc: Chuck Headlee, RWQCB
Mike Bakaldin, San Leandro Hazardous Materials Program

SAMPLE LETTER (2): LIST OF LANDOWNERS FORM

Name of local agency
Street address
City

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

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

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

2. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (*name of primary responsible party*), certify that I am the sole landowner for the above site.

Sincerely,

Signature of primary responsible party

Name of primary responsible party

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

Name of local agency
Street address
City

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

In accordance with section 25297,15(a) of Chapter 6.7 of the Health & Safety Code, I, (*name of primary responsible party*), certify that I have notified all responsible landowners of the enclosed proposed action. Check space for applicable proposed action(s):

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

Sincerely,

Signature of primary responsible party

Name of primary responsible party

cc: Names and addresses of all record fee title owners

Salel Shell
15275 Washington
San Leandro

5/9/98



- view showing SVE
manifold next to building,
on south side.

Salel Shell
15275 Washington
San Leandro

5/9/98

remediation manifold



- view showing SVE
manifold (background)
and well SR1, with
sawcuts for SVE plumbing

Salel Shell
15275 Washington
San Leandro

5/9/98

Salel Shell
15275 Washington
San Leandro

5/9/98



- view to east from adjoining
mobile home park showing
location of SUE well S-8.
(foreground)

Salel Shell
15275 Washington
San Leandro

5/9/98

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



April 14, 1998.

STID 1507

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

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

RE: (FORMER) SHELL SERVICE STATION, 15275 WASHINGTON AVENUE,
SAN LEANDRO - WELL INSTALLATION WORK PLAN

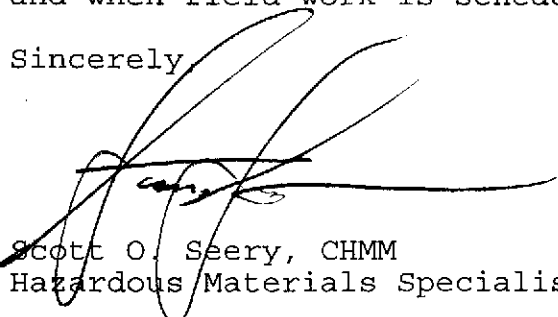
Dear Mr. Perez:

I have reviewed the April 13, 1998 Cambria Environmental Technology, Inc. (Cambria) *Monitoring Well Installation Work Plan*, transmitted the same date via facsimile. The work plan calls for the installation of an additional ground water monitoring well at the adjoining mobil home park, located west of the site. The new well will be constructed adjacent to former soil vapor sample location SG-5.

The cited Cambria work plan is accepted as submitted.

Please call me at (510) 567-6783 should you have any questions and when field work is scheduled to begin.

Sincerely,



Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Mee Ling Tung, Director
Chuck Hedley, RWQCB
Mike Bakaldin, San Leandro Hazardous Materials Program
Diane Lundquist, Cambria Environmental Technology, Inc.
P.O. Box 259, Sonoma, CA 94576-0259
Jonathan Redding, Fitzgerald, Abbott & Beardsley
1221 Broadway, 21st Floor
Oakland, CA 94612

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



January 12, 1998

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

STID 1507

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

RE: (FORMER) SHELL SERVICE STATION, 15275 WASHINGTON AVENUE,
SAN LEANDRO - CORRECTIVE ACTION PLAN

Dear Mr. Perez:

I have completed a review of the case file for this site with respect to implementation of the pending corrective action plan (CAP). Such review included, among other documents, the June 23, 1997 Weiss Associates (WA) document entitled "Vadose Zone Characterization Report and Tier 2 Risk-Based Corrective Action Evaluation," the August 13, 1997 Enviros, Inc. Site Investigation Report, and June 24, 1997 Enviros, Inc. Corrective Action Plan.

This office accepts, with conditions, the June 24, 1997 Enviros CAP recommendation to use soil vapor extraction (SVE) as a means to 1) mitigate theoretical benzene inhalation risks of occupants of the former station building, and 2) reduce overall benzene concentrations in soil gas and, therefore, benzene mass underlying the southern portion of the site. The proposed SVE CAP includes the installation of one additional SVE well, SV-1.

This acceptance is conditioned upon:

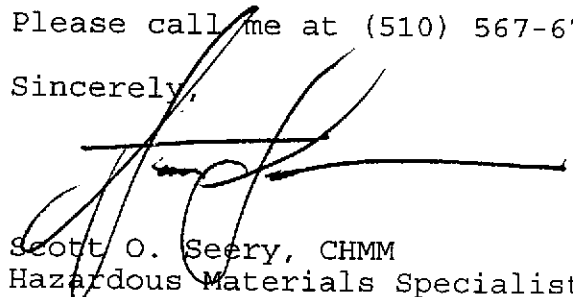
- 1) Regular system performance monitoring to, among other elements, determine the efficacy of the pre-existing ground water monitoring wells (S-1, -3, -5, -7, and -8) as vapor extraction points;
- 2) Should the performance of the proposed SVE system not meet expectations, evaluate the use of and, where appropriate, install supplemental system components - e.g., "passive" air inlet wells, air injection, ground water depression pumps, and/or additional horizontal well galleries; and,
- 3) The installation of, at a minimum, one additional ground water monitoring well within the adjoining mobil home park in proximity to soil boring SG-5 (Note: Benzene was identified previously at a concentration of 20,000 ug/m³ in soil gas collected at 4' depth).

Mr. Perez
RE: 15275 Washington Ave., San Leandro
January 12, 1998
Page 2 of 2

I understand that final system design, which includes selection of the initial airstream abatement equipment (e.g., thermal oxidation, carbon absorption, etc.), will be completed upon receipt of this acceptance letter. Therefore, please submit your final system design within 90 days of the date of this letter. You may include your well installation work plan at that time.

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

Sincerely,



Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Mee Ling Tung, Director
Stephen Hill, RWQCB
Mike Bakaldin, San Leandro Hazardous Materials Program
Diane Lundquist, Cambria Environmental Technology, Inc.
P.O. Box 259, Sonoma, CA 94576-0259
Brad Boschetto, Shell Oil Products Company
P.O. Box 25370, Santa Ana, CA 92799
Jonathan Redding, Fitzgerald, Abbott & Beardsley
1221 Broadway, 21st Floor
Oakland, CA 94612

Fitzgerald, Abbott & Beardsley LLP

ATTORNEYS AT LAW
1221 BROADWAY, 21ST FLOOR
OAKLAND, CA 94612-1837
TELEPHONE (510) 451-3300
FAX (510) 451-1527

FACSIMILE TRANSMISSION

TO: Mr. Scott Scery **FROM:** Jonathan W. Redding, Esq.

FAX: 337-9335 **DATE:** December 23, 1997

CLIENT CODE: 16281

If copy is illegible or incomplete,
please call (510) 451-3300.

PAGES: 3 (including cover)

MESSAGES:

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FITZGERALD, ABBOTT & BEARDSLEY LLP

ATTORNEYS AT LAW

1221 BROADWAY, 21ST FLOOR
OAKLAND, CALIFORNIA 94612-1837

TELEPHONE: (510) 461-3300

PLEASE REPLY TO:

P. O. Box 17867

OAKLAND, CALIFORNIA 94604-2867

K. M. FITZGERALD 1960-1994
CARL H. ABBOTT 1967-1993
CHARLES A. BEARDSLEY 1982-1963

FACSIMILE: (510) 461-1527

JAMES C. SOPFR, INC.
PHILIP M. JELLEY, INC.
GERRALD C. SMITH
LAWRENCE R. SHEPP
RICHARD T. WHITE
MICHAEL P. WALSH
J. BRITTAIN HABEGGER
VIRGINIA PALMER
TIMOTHY H. SMALLBREEP
STEPHEN M. JUDDON
STEPHEN M. WILLIAMS
JONATHAN W. REDDING
BETH E. ASPEDON
KRISTIN A. PACE
MICHAEL M. K. GEDREE
ANTONIA L. MORE
SARAH ROBERTSON MCGUAIN
PHILIP E. DRYSDALE
JAY M. GOLDMAN
KEHRT I. ZIMMERMAN
MICHAEL S. WARD
JEAN C. FUNG
FATIMA BRUNSON EVANS

December 23, 1997

VIA FACSIMILIE (510)337-9335Mr. Scott Seery
Hazardous Materials Specialist
Alameda County Health Care
Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577Re: Former Shell Service Station, 275 Washington
Avenue, San Leandro, California

Dear Scott:

This letter is written pursuant to Shell's request that the owner inform you that it consents to the placement of the proposed soil vapor gas extraction and treatment systems on the property to be managed and monitored by Shell at no expense to the owner. We do not make any representations whether or not such a system is the appropriate means of solving the problem, however, we are hopeful that Shell's environmental consultants have proposed a system which will work and will resolve the problems on the property so that the owners can make productive use of the property. With these explanations and reservations, please consider this letter as the owner's consent to proceed to install, operate, and monitor a treatment system pursuant to the County's specifications and requirements.

Please call me if you have any questions.

Very truly yours,

FITZGERALD, ABBOTT & BEARDSLEY LLP

By *Jonathan W. Redding* by *AKG*
Jonathan W. Redding

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



July 23, 1997

STID 1507

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

ENVIRONMENTAL HEALTH SERVICES

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

RE: (FORMER) SHELL SERVICE STATION, 15275 WASHINGTON AVENUE,
SAN LEANDRO - ADDITIONAL ASSESSMENT WORK PLAN

Dear Mr. Perez:

I have completed review of the July 22, 1997 Enviros, Inc. letter work plan entitled "*Response to ACHCSA Correspondence dated July 17, 1997.*" The cited Enviros document proposes a limited soil boring and soil vapor survey (SVS) in the northern portion of the site to augment that recently completed elsewhere about the site by others.

The scope of the cited Enviros work plan has been accepted with the following changes:

- 1) The locations of soil borings and SVS points have been modified to reflect expected potential receptor locations (SEE attached map and photograph).
- 2) One additional soil boring/SVS point has been added to provide additional coverage.

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

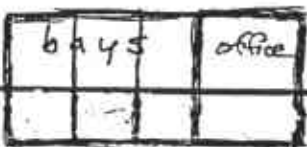
Sincerely,

Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

attachment

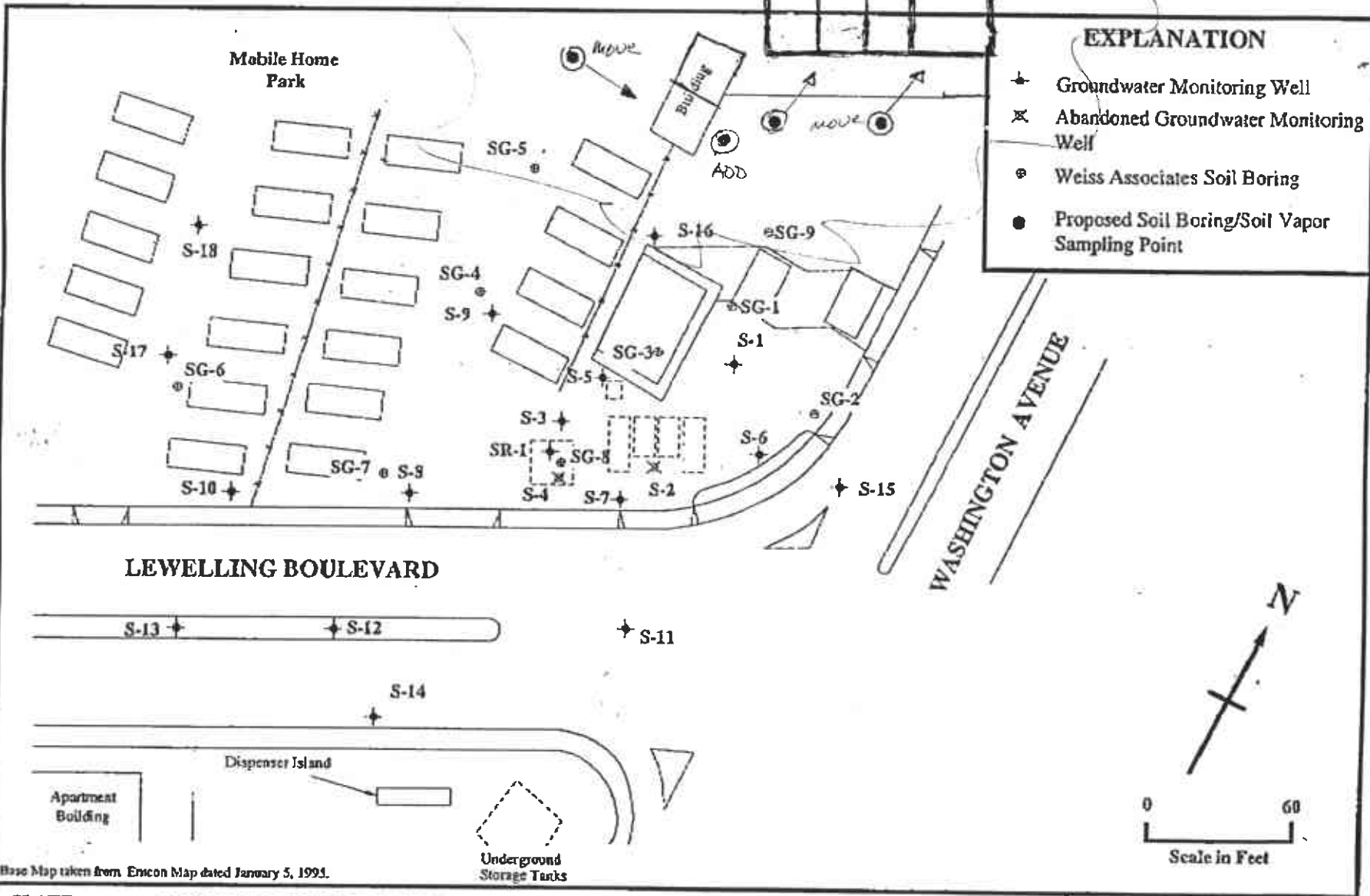
cc: Mee Ling Tung, Director
Kevin Graves, RWQCB
Mike Bakaldin, San Leandro Hazardous Materials Program
Steve Long, Weiss Associates
Diane Lundquist, Enviros, Inc.
Brad Boschetto, Shell Oil Products Company
Jonathan Redding, Fitzgerald, Abbott & Beardsley

Service



EXPLANATION

- ✦ Groundwater Monitoring Well
- ✕ Abandoned Groundwater Monitoring Well
- ⊙ Weiss Associates Soil Boring
- Proposed Soil Boring/Soil Vapor Sampling Point



Base Map taken from Encon Map dated January 5, 1991.

PLATE 2 PROPOSED SOIL BORINGS/SOIL VAPOR SAMPLE POINTS
 Shell Oil Products Company
 15275 Washington Avenue
 San Leandro, California

enviros
 95276.01

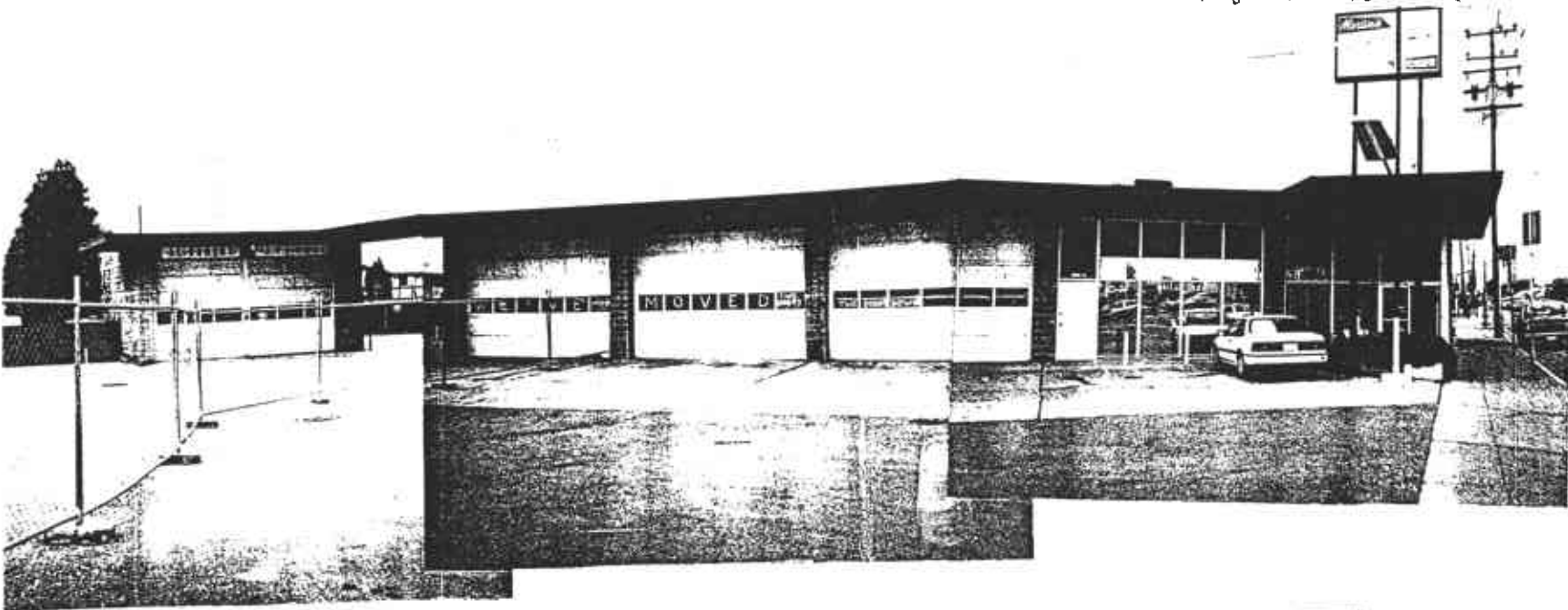
Drawn By: PML Date: 7-22-97

Approved By: HK Date: 7-22-97

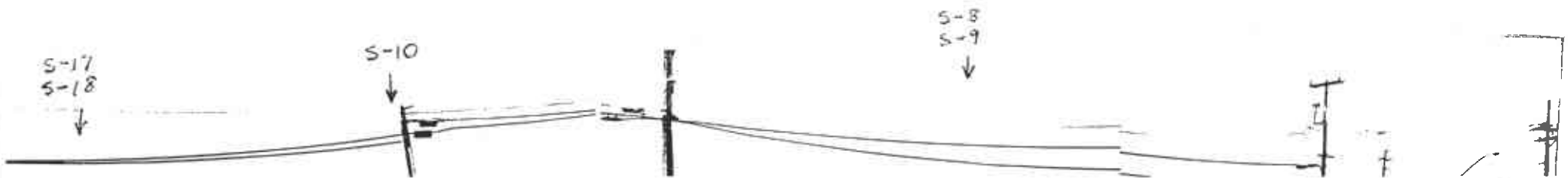
LAYOUT OF STRUCTURES @
NORTH END OF SITE

7/23/97

Washington Blvd. →



SHELL
15275 Washington Ave.
San Leandro



ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



July 17, 1997

ENVIRONMENTAL HEALTH SERVICES

1131 Harbor Bay Parkway, Suite 250

Alameda, CA 94502-6577

(510) 567-6700

(510) 337-9335 (FAX)

STID 1507

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

RE: (FORMER) SHELL SERVICE STATION, 15275 WASHINGTON AVENUE,
SAN LEANDRO - CORRECTIVE ACTION PLAN AND RESULTS OF RISK-
BASED CORRECTIVE ACTION EVALUATION

Dear Mr. Perez:

I have completed review of the June 23, 1997 Weiss Associates (WA) document entitled "*Vadose Zone Characterization Report and Tier 2 Risk-Based Corrective Action Evaluation*" and June 24, 1997 Enviros, Inc. *Corrective Action Plan*. The cited WA document reports the results of the recent soil vapor survey (SVS) and soil sampling field work at the site, and evaluates the theoretical risk to receptors at both the former Shell site and adjoining mobile home park. The cited Enviros document proposes corrective action intended to remediate latent fuel contamination at the site and mitigate the perceived risk.

The WA Tier 2 Risk-Based Corrective Action (RBCA) evaluation included the determination of site specific target levels (SSTL) for several potential exposure pathways based on concentrations of target compounds (e.g., benzene, etc.) in soil, soil vapor, and ground water media. The result of this evaluation is:

- o Benzene concentrations exceed calculated SSTLs for volatilization to indoor air from soil and ground water source media at the *residential* 1E-5 target risk level.
- o Benzene levels in ground water exceed the SSTLs and maximum contaminant levels (MCL) for drinking water.

As you are aware, the *residential* exposure scenario was chosen to reflect the presence of the mobile home park adjacent to the former Shell site, and to accommodate uncertainties with respect to future land use of the contiguous property as a whole. The drinking water determination appears strictly academic, however, due to the reported absence of drinking water wells near the site, because affected ground water is present at shallow (<10 foot) depth, and the fact that homes and businesses in this area of San Leandro are connected to municipal supplies.

Mr. Perez
RE: 15275 Washington Ave., San Leandro
July 17, 1997
Page 2 of 3

Enviros, in turn, evaluated site geology, historical site assessment data, and the results of the Tier 2 RBCA evaluation in development of their proposed corrective action plan (CAP). Enviros has proposed the use of soil vapor extraction (SVE) as a means to mitigate potential exposure risk to occupants of the former station building and reduce benzene soil concentrations through use of several existing wells at the site, the installation of a dedicated SVE well, and installation of an array of horizontal "wells" around the perimeter of the station building. Extracted vapors would be treated by a suitable method housed in an above-ground treatment enclosure. In order to ensure SVE's ultimate effectiveness at this site, Enviros indicates a SVE test will be performed to aid final system design.

This office concurs that SVE may have potential as a suitable remediation and risk mitigation technology for this site, and that the SVE test should be performed. Therefore, approval to perform this test is hereby given. Approval for the final CAP will occur only upon favorable review of the SVE test and proposed system design.

On a related issue, recent SVS data from points SG-5 and SG-9, in addition to shallow soil analytical data from well S-16, indicate concentrations of both soil vapor and soil (S-16 @ 5') exceed SSTLs for benzene. These data, consequently, warrant the performance of a limited SVS/soil sampling program in the northern portion of the site to:

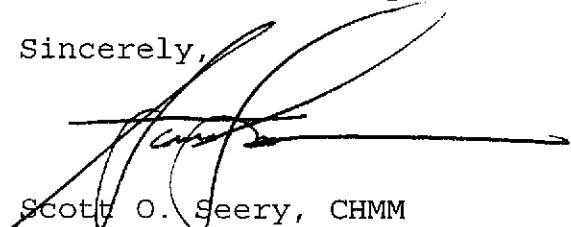
- o Identify >SSTL benzene concentrations and potential receptors
- o Identify and delineate potential vapor pathways (e.g., coarse-grained fill materials, etc.)
- o Fully encompass all areas of the site which may require incorporation into the final CAP scope

Therefore, this office requests the submittal of a brief scope-of-work for this additional assessment task. As time is of the essence due to pending lease negotiations at the site, please submit this plan as soon as possible so that the field work associated with this project may occur concurrently with the SVE tests and final system design.

Mr. Perez
RE: 15275 Washington Ave., San Leandro
July 17, 1997
Page 3 of 3

Please call me at (510) 567-6783 should you have any questions. Incidentally, I will be away from the office between July 24 and July 30, 1997. However, I will make time to review any submittals which may arrive by Tuesday, July 22nd.

Sincerely,



Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Mee Ling Tung, Director
Kevin Graves, RWQCB
Mike Bakaldin, San Leandro Hazardous Materials Program
Steve Long, Weiss Associates, 5500 Shellmound Street
Emeryville, CA 94608-2411
Diane Lundquist, Enviros, Inc.
P.O. Box 259, Sonoma, CA 94576-0259
Brad Boschetto, Shell Oil Products Company
P.O. Box 25370, Santa Ana, CA 92799
Jonathan Redding, Fitzgerald, Abbott & Beardsley
1221 Broadway, 21st Floor
Oakland, CA 94612

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



April 30, 1997

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

STID 1507

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

RE: (FORMER) SHELL SERVICE STATION, 15275 WASHINGTON AVENUE,
SAN LEANDRO - WORK PLAN FOR RISK-BASED CORRECTIVE ACTION /
SOIL VAPOR SURVEY

Dear Mr. Perez:

I have completed review of the April 21, 1997 Weiss Associates (WA) work plan describing steps to collect soil gas, ambient outdoor air, and soil core samples from and adjacent to the subject site. This work plan is a revision of the previous WA work plan dated August 20, 1997, reflecting changes discussed during our meeting on April 10, 1997.

I understand that the collection of data in the fashion proposed is necessary to complete the pending Tier 2 Risk-Based Corrective Action (RBCA) evaluation. I also understand that a second round of data collection will occur within 6 months to account for potential temporal variations at the site, and to corroborate the initial datasets. I further understand that the scope of the next round will be substantially based on the results of the initial work, and will also include an evaluation of potential preferential vapor pathways (e.g., utility conduits, etc.) that may affect subsurface vapor transport to receptor locations remote to site source areas.

The cited revised WA work plan has been accepted as submitted and as clarified above. I understand that field work is scheduled to begin May 5, 1997. Please call me at (510) 567-6783 should this schedule change.

Sincerely,


Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

Mr. Perez
RE: 15275 Washington Ave., San Leandro
April 30, 1997
Page 2 of 2

cc: Mee Ling Tung, Director
Kevin Graves, RWQCB
Mike Bakaldin, San Leandro Hazardous Materials Program
Steve Long, Weiss Associates, 5500 Shellmound Street
Emeryville, CA 94608-2411
Brad Boschetto, Shell Oil Products Company
P.O. Box 25370, Santa Ana, CA 92799
Jonathan Redding, Fitzgerald, Abbott & Beardsley
1221 Broadway, 21st Floor
Oakland, CA 94612

1032 Ocho River Ave
Sanville, Ca 94526
April 16, 1997

Mr Scott Seery,

Dear Mr Seery,

Thank you for meeting with me
in regard to the former Shell Station at
Washington Ave and Jewell Blvd
known as Fuel Service on March 15th.

I am submitting these pictures
of the excavated site. They were taken
by an interested tenant who resided
in the Trailer Park.

They may or may not have
relevance to the toxic problem, but I
do hope that a resolution of the problem
can be accomplished in the very near
future. The expenses of the vacant
site and the lack of compensation
is becoming a significant hardship.

Sincerely,
Lancee Guilford



Faceline tank removal site
Paula Lewis
15245-75 Washington Ave
San Leandro, CA 94579

ENVIRONMENTAL PROTECTION
7 APR 22 AM 9:00



2



2





5

















MURIEL ROBINSON
747 LEMELLING BLV 11
SAN LEANDRO, CA 94579

8-18-88

MURIEL ROBINSON
747 LEMELLING BLV 11
SAN LEANDRO, CA 94579

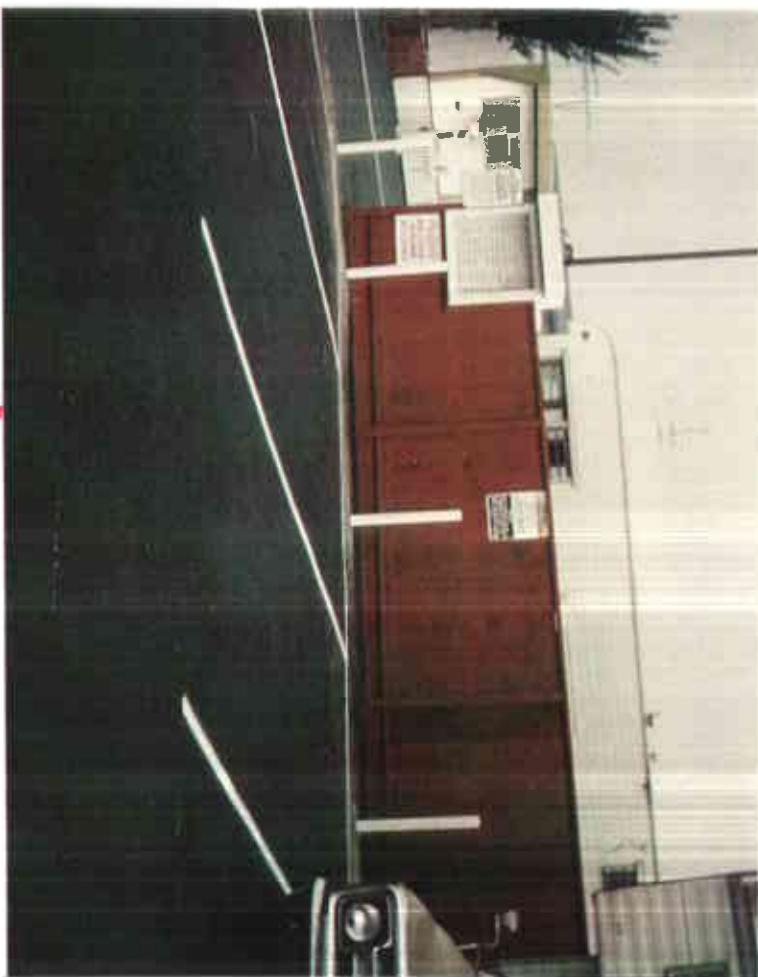
8-18-88

8-18-88

POST - Hole for depth
of length of iron rod
to be placed in hole
& sealed with cement.



Miss Muriel Robinson
747 Lemelling Blvd 11
San Leandro CA 94579







15

Muriel S. Robinson

Aug 18-1988

747 Lewelling Blvd. - 11
San Leandro, CA 94579

Mr. George Salel
& Employees of
Salel's Service Stations
Hi Home
I retired from City of
Oakland Highway Dept on
Dec 1, 1986 after 42 yrs of
employment

~~My name~~
(The photos cover
Dec 86 to Aug 18, 1988)
It covers story from "FIRST
Shovel of dirt" to repairing of
surface" of whole area.
yes I took a few
photos of the Boss & the
Employees as you can see.
Here is your set for
office at roll car garage
areas even for the old!

JUN
1987

June 87

JUN
1987

MS. MURIEL ROBINSON
747 LEWELLING BLVD. #11
SAN LEANDRO, CA. 94579

June 87

MS. MURIEL ROBINSON
747 LEWELLING BLVD. #11
SAN LEANDRO, CA. 94579

747 LEWELLING BLVD. #11



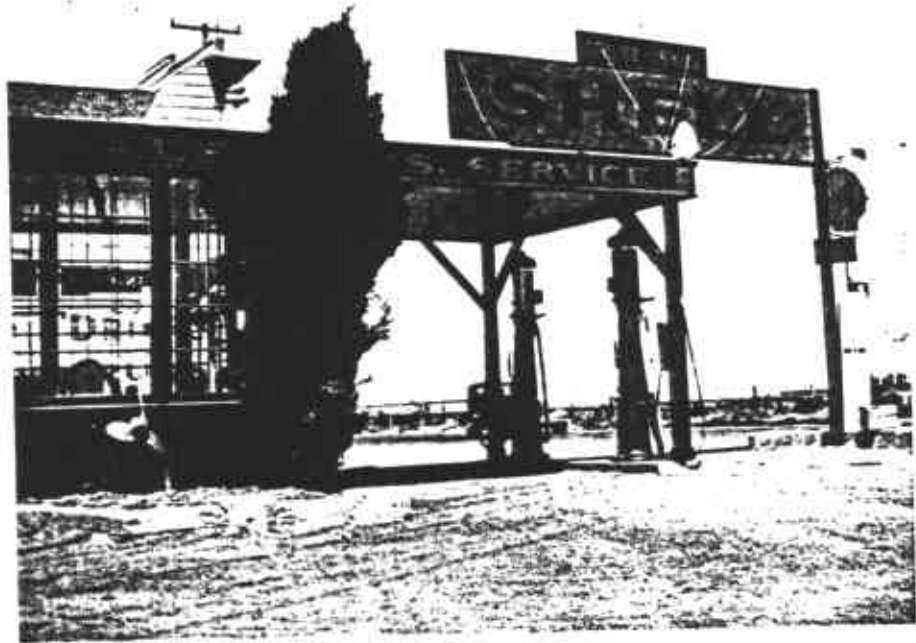
MRS. M. SALEL'S TRAILER PARK — SAN LORENZO, CALIF.

8861
1988



1989
06.30
08.90





Pre meeting notes
15275 Washington
S. Leandro

4/9/97

SOURCE REMOVAL / SOURCE AREAS (SOIL)

- ① available documents from 1986 UST removals and subsequent "trenching" investigation do not indicate appreciable source removal (i.e., fuel-saturated soil)
- ② no documentation of sampling or source removal or piping removal associated w/ either pump island array
- ③ early assessments indicate soil encountered in borings S-3 and S-4 "saturated" with gasoline; 10 ppm benzene @ 8.5' BG in trench 40' west of USTs
- ④ contaminants appear to be "exploiting" fill @ west end of site
- ⑤ 1st qtr 1997 results indicate S-9 benzene highest surge '93 (400 ppm)
TPH (12,000 ppm)

PREVIOUS SVS SURVEY (1989)

- ① apparent "hot" zone north of well S-9
" " " " " north dispenser area
- ②

PLACEMENT OF PROBES FOR 1997 SVS

- ① Discuss SVS location / placement rationale
- ① Add: pt. north of well S-9; pt (additional) in area of north dispenser island; pt. adjacent south side of building; others as necessary
- ② MOVE: pt. @ north side of building closer to building

- ③ air samples from within station building (others, too?)
- weather-induced VOC entry (pressure gradients, wind loading, etc.)
 - ventilation-induced entry (depressurization)
- (SEE: Lynn Space paper, GSI Tier 2 instructions; Fisher et al 1996 paper; Ostendorf/Kampbell 1991)
- Technique: slow pumping of air to 1L Tedlar over week
- ④ repeat SVS/air sampling to accommodate temporal variations (SEE: ~~XXXXXXXXXX~~, ~~XXXXXXXXXX~~, GSI Tier 2)
- ⑤ determine presence of preferential vapor pathways (geologic / manmade)
- ⑥ stoichiometry gas balances (e.g., O_2 , CO_2 , CH_4 , etc.)
- ⑦ Why propose above-ground sample?

RBCA

- [① discuss input parameters (DTW, DT soil contain., TOR, porosity / density, cap fringe thickness, vadose thickness,]
- ② certain Tier 1 data (GW) in correct
- ③ reproducibility of data / temporal variations (SEE GSI)

④ need to explain limitations (potential) of "fast track" study being pushed by RPs (Sala)

- Low permeable sediments = diffusion primary function
- High " " " = advection " "
- Source - building separation increases with time due to depletion, occurring first from layers of contaminant closest to building floors.

CAP issues

- ① new well north of S-9
- ②



June 27, 1996

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

Dear Mr. Seery:

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

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

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

Sincerely,
Weiss Associates

Thomas Fojut
Project Hydrogeologist

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

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

May 20, 1996

STID 1507

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

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

RE: (FORMER) SHELL SERVICE STATION, 15275 WASHINGTON AVENUE,
SAN LEANDRO - REQUEST FOR HUMAN HEALTH RISK-BASED
CORRECTIVE ACTION EVALUATION

Dear Mr. Granberry:

This letter is in follow-up to my telephone conversations last week with both you and Brad Boschetto of Shell Oil Products Company (Shell). Our conversations were regarding the need to evaluate possible human health risks due to exposure to latent fuel compounds in soil and ground water by receptors located both at the subject site and adjoining properties.

This subject was one topic of discussion at our meeting February 22, 1996 at Shell's Concord office with Mr. Kevin Graves of the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB), among others present. As you may recall, the consensus of the group that day was: 1) a risk evaluation was clearly needed for this case; 2) due to uncertainties associated with the future use of the former Shell station site and current adjoining property uses, residential exposure scenarios would be employed during the risk evaluation; and, 3) should, following this evaluation, it be concluded that a theoretical exposure risk exists, Shell would propose means of eliminating, reducing, or otherwise mitigating such risk.

Please submit a work plan which clearly describes the process Shell plans to follow during their evaluation of human health risk associated with the release at this site, including what additional information is needed, if any, and the means of acquiring it. **This work plan is due within 90 days of the date of this letter.**

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

Sincerely,



Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

Mr. Granberry
RE: 15275 Washington Ave., San Leandro
May 20, 1996
Page 2 of 2

cc: Mee Ling Tung, Agency Director
Gil Jensen, Alameda County District Attorney's Office
Ravi Arulanantham, RWQCB
Kevin Graves, RWQCB
Mike Bakaldin, San Leandro Hazardous Materials Program
Brad Boschetto, Shell Oil Products Company
P.O. Box 4848, Anaheim, CA 92803

Shell
15275 Washington
San Leandro

2/22/96

memo to file:

I met today w/ Kevin Graves (RWQCB) and Jeff Cronberry (Shell), among others. All agreed that a risk evaluation is necessary here, and that the residential scenario will be applied.

SOS

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ARNOLD PERKINS, DIRECTOR
RAFAT A. SHAHID, DEPUTY DIRECTOR

February 1, 1996

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

STID 1507

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

RE: (FORMER) SHELL SERVICE STATION, 15275 WASHINGTON AVENUE,
SAN LEANDRO - REQUEST FOR HUMAN HEALTH RISK-BASED
CORRECTIVE ACTION ANALYSIS

Dear Mr. Granberry:

I have completed review of the November 29, 1995 Enviros, Inc. *Corrective Action Plan - Addendum* and supplemental reports submitted under shared cover. This addendum was submitted in response to a request for additional information following my review of the original *Enviros Corrective Action Plan (CAP)* dated April 17, 1995.

As we recently discussed, in response to the October 16, 1995 Lawrence Livermore National Laboratory (LLNL) report entitled "Recommendations to Improve the Cleanup Process for California's Leaking Underground Fuel Tanks (LUFTs)," the California State Water Quality Control Board (SWRCB) has requested that local agencies evaluate LUFT cases with respect to human and environmental risk, and rank them according to such risk (i.e., "low" vs. "high" risk). On January 5, 1996, supplemental instructions were issued by the San Francisco Bay Regional Water Quality Control Board (RWQCB) in order to assist those agencies responsible for oversight of LUFT sites in their determination of such risks, among other topics. We have been instructed to incorporate the methodologies described in the American Society of Testing and Materials (ASTM) standard for Risk Based Corrective Action (RBCA), ASTM E-1739-95, in this risk-evaluation process.

I have evaluated the subject case in context with this recent shift in the way LUFTs are now to be prioritized. I was assisted in the final stages of review by Dr. Ravi Arulanantham, Staff Toxicologist with the RWQCB. **We have concluded that this site requires a human health risk-based analysis in order to determine how this site should be prioritized, and whether the Enviros CAP as amended provides adequate protection from potential exposure to nearby receptors.**

Jeff Granberry
RE: Shell, 15275 Washington Ave., San Leandro
February 1, 1996
Page 2 of 3

The determination for requiring further RBCA analysis is based on the following issues:

- o Residential property (mobil home park) lies *directly* adjacent to and hydraulically downgradient of the site, UST excavation, and western-most dispenser island area
- o Little or no documented source removal has occurred with respect to both the UST excavation and dispenser island areas
- o Previous environmental assessments indicate encountered sediments (SAND) were "~~saturated~~" with gasoline at approximately 5' below grade (BG) in borings S-3 and S-4, located adjacent to the western-most dispenser area; exploratory trenches excavated to evaluate the lateral extent of the release in the unsaturated zone indicate elevated levels of fuel compounds (e.g., 10 ppm benzene) in material encountered at shallow depth (< 10' BG) very proximal to the adjoining mobil home property, ~ 40' from the UST excavation, and beyond the apparent western limits of the western-most dispenser area
- o Boring logs for S-8 and S-9, located west of the western-most dispenser area and site in general, respectively, suggest fuel contaminants from the western-most dispenser area may be exploiting shallow fill materials which appear to trend towards the west, in the direction of and which underlie portions of the mobil home park
- o Both a previous soil vapor survey and on-going monitoring program have identified elevated concentrations of gasoline compounds in both soil gas and sampled ground water from sampling points located on the mobile home site, among others; historic high fuel compound concentrations have been identified in water sampled from wells SR-1, S-3, and S-5 located directly proximal to the adjacent mobil home park
- o Ground water depth is very shallow, historically ranging in depth between approximately 5 and 9' BG

Comparison of data accumulated during the course of the investigation with ASTM E-1739-95 Tier 1 risk-based screening level (RBSL) values for specific exposure scenarios indicates that, under certain scenarios, the RBSL values are exceeded. Under such circumstances, you must either: 1) determine site-specific target levels (SSTL) and appropriate points of

Jeff Granberry
RE: Shell, 15275 Washington Ave., San Leandro
February 1, 1996
Page 3 of 3

compliance if you decide the Tier 1 RBSLs are not appropriate, typically based on an analysis of the cost of achieving Tier 1 RBSLs with the cost of a Tier 2 (or 3) analysis, considering the probability that the Tier 2 (or 3) site-specific goals will be significantly less costly to achieve than Tier 1 goals, or 2) perform the corrective action necessary to achieve Tier 1 RBSL values.

The benefit of moving to higher tiers is that it allows you to develop more cost-effective corrective action plans because the conservative assumptions of earlier tiers are replaced with more realistic site-specific information. Some additional assessment work may be needed, however, in order to determine site-specific parameters for evaluating plausible exposure scenarios and consequent risk to receptors.

I understand that you are planning to meet with staff of the RWQCB, tentatively scheduled for February 22, to discuss many of the Alameda County sites. I would suggest that this meeting may present a good opportunity to discuss, and even *brainstorm*, these issues in more detail so that, as a team, we can determine the best approach. Hence, unless you feel otherwise, I would be willing to wait until that time to finalize resolution to these issues.

Please call me at 510/567-6783 should you have any questions or would like to discuss this case.

Sincerely,



Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Jun Makishima, Acting Director
Gil Jensen, Alameda County District Attorney's Office
Ravi Arulanantham, RWQCB
Kevin Graves, RWQCB
Mike Bakaldin, San Leandro Hazardous Materials Program
Dianne M. Lundquist, Enviros, Inc.
P.O. Box 259
Sonoma, CA 94576-0259

①

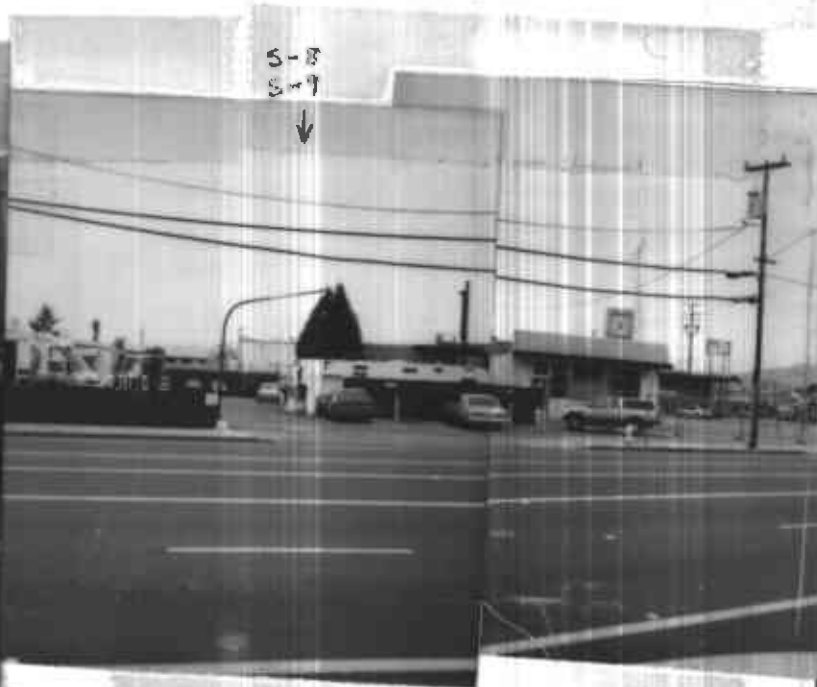


Washington Blvd. →



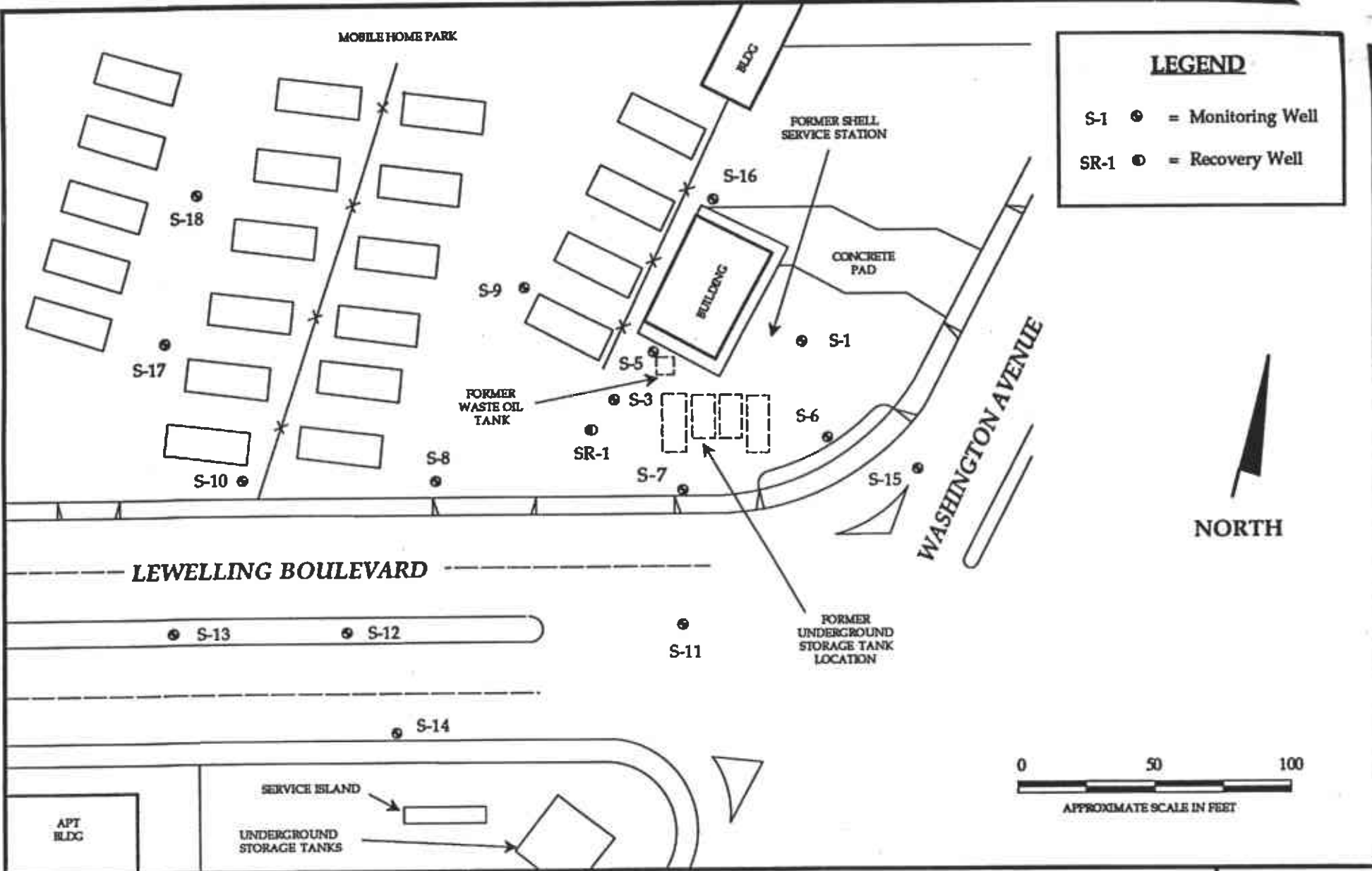
VIEW OF THE SITE FROM Washington Ave.
LOOKING NORTH (R) TO Leandro




②



VIEW OF ADJOINING MOBILE

NOTE: ALL PHOTOS 1/30/96



HYDR  -
 ENVIR  NMENTAL
 TECHN  LOGIES, INC.

SITE PLAN
 Former Shell Service Station
 15275 Washington Avenue
 San Leandro, California
 WIC # 204-6852-1008

Figure
2
 12-007 8/93

Shell Station
15275 Washington
S. Leandro

9/29/85

After review of the Apr. 17, 1985 Enviro's CAP,
I spoke with Enviro's Dianne Lundquist regarding
the following pts:

- ① requested missing reports which illustrate a) source
removal 2) UST closure 3) well/boring installations

received

report date	work date	
UNK	6/85	Gettler Ryan (GR) (borings S-1 to -4)
9/12/86	8/86	GR (borings S-A to S-D)
1/28/87	12/86	GR (boring S-5)
6/24/87	6/87	KEI UST closure report
12/7/87	12/87	" Trench investigation
4/14/89	11/88	Woodward Clyde (borings S-12 to -6)
10/12/89	4/89	GS1 (borings S-13 to -17)

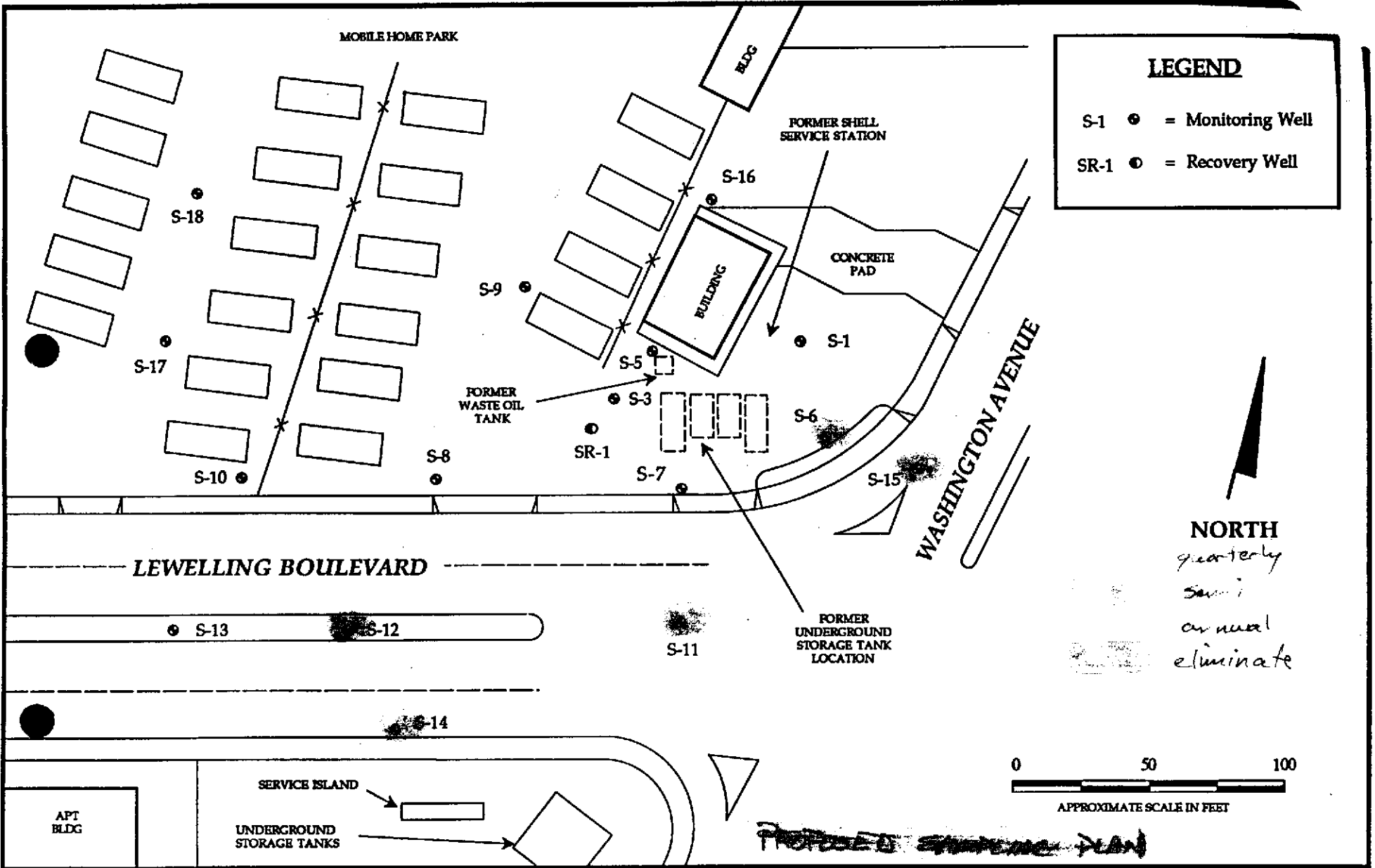
- ② asked to evaluate additional corrective action
technology - Vacuum-Enhanced P+T (dual-phase
extraction) sent info (source material still present)

- ③ ask to evaluate 4 other well data in
FATE 2 fate and transport modelling: wells ^{original used} S-2, S-8, S-10

S-3, -8, -10
S-3, -9, 18
S-5, -8, -10
S-5, -9, 18

④ requested that if CAP is approved, sampling for electron receptors needed to evaluate intrinsic bio (DO, Fe²⁺, Nitrate, Sulfate) - isopleth maps to be completed

⑤ asked for tabulation of chemical data used in FATE2 modelling (Ewros claims maximum historical concentrations used)



LEGEND

S-1 ● = Monitoring Well

SR-1 ● = Recovery Well

NORTH
quarterly
semi
annual
eliminate



~~PROPOSED REMEDIATION PLAN~~

HYDR -
 ENVIRONMENTAL
 TECHNOLOGIES, INC.

SITE PLAN
 Former Shell Service Station
 15275 Washington Avenue
 San Leandro, California
 WIC # 204-6852-1008

Figure
 2
 12-007 8/93

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

STID 1507

Alameda County CC4580
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda CA 94502-6577

February 16, 1995

Mr. Lynn Walker
Shell Oil Company
P.O. Box 4023
Concord, CA 94524

RE: SHELL STATION, 15275 WASHINGTON AVENUE, SAN LEANDRO

Dear Mr. Walker:

I have completed a review of the case file for this site, up to and including the January 5, 1995 EMCON 4th quarter 1994 sampling report. The cited report proposes a reduction of sampling frequencies in a number of the wells in the multi-well network associated with this investigation. However, in the absence of a comprehensive corrective action plan (CAP) associated with this sampling frequency reduction, this proposal is denied at this time.

Data presented in the June 29, 1990 GeoStrategies, Inc. (GSI) aquifer test report indicates both "step (draw-) down" and "slug" tests were performed on the on-site recovery well (SR-1) and nine monitoring wells, respectively, during March 1990. GSI reports a wide range of K and T values and lack of linearity following their evaluation of these test data, a symptom of the heterogeneity and complexity of underlying sedimentary units.

GSI indicated their follow-up plan to use, what was termed as, the Shell Oil Company "Simulated Benzene Transport Model" to evaluate the effect of "natural attenuation" as a viable remediation alternative and element of a remedial action plan, or RAP. To date, no further mention of the RAP or benzene model evaluation has been presented.

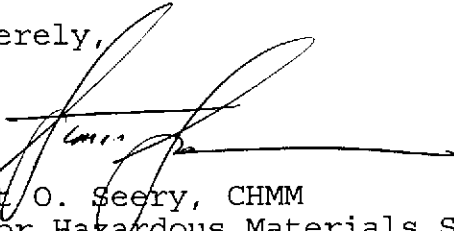
At this time, pursuant to Section 2720 et seq. of Article 11, *Corrective Action Requirements*, Title 23, California Code of Regulations (CCR), please prepare and submit a CAP which presents an evaluation of the CAP elements required under this article. Certainly, intrinsic bioremediation/attenuation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

The requested CAP is due within 60 days of the date of this letter, or by April 17, 1995.

Mr. Lynn Walker
RE: 15275 Washington Avenue, San Leandro
February 16, 1995
Page 2 of 2

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

Sincerely,



Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Agency Director
Gil Jensen, Alameda County District Attorney's Office
Mike Bakaldin, San Leandro Fire Department



grettler — ryan inc.

general contractors

October 16, 1989

Mr. Larry Seto
Department of Environmental Health
Hazardous Materials Program
80 Swan Way, Room 200
Oakland, California 94621

Project # U552932

Fee Paid \$450.

Date 10/20/89

Reference: Former Shell Service Station
15275 Washington Avenue
San Leandro, California

Gentlemen:

In response to your letter to Shell Oil Company, dated October 6, 1989, we are forwarding a check in the amount of \$450.00 to cover the deposit for the soil and groundwater investigation being conducted at the above referenced location.

Please do not hesitate to call should you have any questions or comments.

Sincerely,

John P. Werfal
Project Manager

enclosure

cc: Ms. Diane Lundquist, Shell Oil Company

U552932

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

Certified Mail #P 062 127 662

October 6, 1989

Mr. Ray Newsome
Senior District Engineer
Shell Oil
P.O. Box 4023
Concord, CA 94524

RE: Former Shell Station, 15275 Washington Ave., San Leandro

Dear Mr. Newsome:

We have received the quarterly monitoring report dated July 13, 1989, that was prepared by Geo Strategies, Inc., for the above site. We do not have a deposit/refund for the investigation/remediation at this site. Please send us a deposit/refund check for \$450.00, made payable to the County of Alameda, within ten (10) days of the receipt of this letter.

If you have any questions, please contact me at (415) 271-4320.

Sincerely,

Larry Seto, Sr. Hazardous
Materials Specialist

LS:mnc

cc: San Leandro Fire
RWQCB
Howard Hatayama
Gil Jensen, Alameda County District Attorney, Consumer and
Environmental Protection Agency
Rafat A. Shahid, Assistant Agency Director, Environmental Health
Files

P 062 127 662

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Send to <i>Ray Newsome</i>	
Street and No. <i>P. O. Box 4023</i>	
City, State and ZIP Code <i>Concord 94524</i>	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt (including Delivery and Return Receipt)	
Return Receipt (including Delivery and Address of Return)	
TOTAL Postage and Fees	\$
Postmark or Date	

PS Form 3800, JUL 12 1983

LS

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: <i>Mr. Ray Newsome SR District Engineer Shell Oil P. O. Box 4023 Concord, CA 94524</i>	4. Article Number <i>P 062 127 662</i>
5. Signature - Addressee <i>X [Signature]</i>	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
6. Signature - Agent <i>X [Signature]</i>	8. Addressee's Address (ONLY if requested and fee paid)
7. Date of Delivery OCT 16 1989	

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

B3 652 11/10/87

G52
B3
Ave
DB

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		STATE TANK ID #	
REPORT DATE 03/31/88		LOCAL CASE # 3		REGIONAL BOARD CASE #	
US EPA ID #					
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Joseph Ferreira		PHONE (415) 577-3318		SIGNATURE <i>Joseph Ferreira</i>
	REPRESENTING <input checked="" type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER <input type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD		COMPANY OR AGENCY NAME San Leandro Fire Dept.		
RESPONSIBLE PARTY	ADDRESS 835 STREET East 14th				CITY San Leandro STATE Ca. ZIP 94577
	NAME Salel Shell Gas Station		CONTACT PERSON		PHONE (415) 351-8961
SITE LOCATION	ADDRESS 15275 STREET Washington Ave				CITY San Leandro STATE Ca. ZIP 94577
	FACILITY NAME (IF APPLICABLE) Same AS Above		OPERATOR		PHONE ()
IMPLEMENTING AGENCIES	CROSS STREET Lewelling Blvd		TYPE OF AREA <input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input checked="" type="checkbox"/> RESIDENTIAL <input type="checkbox"/> RURAL <input type="checkbox"/> OTHER		TYPE OF BUSINESS <input checked="" type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER
	LOCAL AGENCY City of San Leandro Fire Dept.		AGENCY NAME City of San Leandro Fire Dept.		CONTACT PERSON Joseph Ferreira
SUBSTANCES INVOLVED	TSCD				PHONE ()
	CAS # (ATTACH EXTRA SHEET IF NEEDED)		NAME Gasoline		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
DISCOVERY/ABATEMENT	DATE DISCOVERED M M D D Y Y		HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input checked="" type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> ROUTINE MONITORING <input type="checkbox"/> TANK REMOVAL <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> OTHER		
	DATE DISCHARGE BEGAN M M D D Y Y		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" 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 PROCEDURES <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE M M D D Y Y <input type="checkbox"/> OTHER		
SOURCE/CAUSE	SOURCE(S) OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER (SPECIFY)		TANKS ONLY/CAPACITY _____ GAL AGE _____ YRS. <input type="checkbox"/> UNKNOWN MATERIAL <input type="checkbox"/> STEEL <input type="checkbox"/> FIBERGLASS <input type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> CORROSION <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER
	RESOURCES AFFECTED		WATER SUPPLIES AFFECTED		THREAT- ENED UN- KNOWN # OF WELLS
RESOURCES AFFECTED/ AT RISK	YES NO THREATENED UNKNOWN		YES NO THREATENED UNKNOWN		
	AIR (VAPOR) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		PUBLIC DRINKING WATER <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
SOIL (VADOSE ZONE) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		PRIVATE DRINKING WATER <input type="checkbox"/> YES <input type="checkbox"/> NO			
GROUNDWATER <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		INDUSTRIAL <input type="checkbox"/> YES <input type="checkbox"/> NO			
SURFACE WATER OR STORM DRAIN <input type="checkbox"/> YES <input type="checkbox"/> NO		AGRICULTURAL <input type="checkbox"/> YES <input type="checkbox"/> NO			
BUILDING OR UTILITY VAULT <input type="checkbox"/> YES <input type="checkbox"/> NO		OTHER (SPECIFY) <input type="checkbox"/> YES <input type="checkbox"/> NO			
OTHER (SPECIFY) <input type="checkbox"/> YES <input type="checkbox"/> NO		GROUNDWATER BASIN NAME			
		<input type="checkbox"/> UNKNOWN			
COMMENTS:					
COMPLETE AND ATTACH A CLEANUP TRACKING REPORT IF ANY CLEANUP WORK OR PLANNING HAS STARTED					

INSTRUCTIONS

-2-

1. GENERAL

In box titled "EMERGENCY", indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

In space provided, enter state tank ID number if known. State ID numbers have been assigned to all tanks that are on file with the State Water Resources Control Board. Enter today's date in the box titled "Report Date". Enter local and Regional Water Quality Control Board case numbers if known. Enter the US EPA facility number if applicable.

2. REPORTED BY

Enter your name, telephone number and address. Indicate which party you represent, and provide company or agency name.

3. RESPONSIBLE PARTY

Enter the name, telephone number, contact person, and address of the party responsible for the leak, or mark unknown. For tank leaks, the responsible party would normally be the tank owner.

4. SITE LOCATION

Enter information regarding the tank facility and surrounding area. If a known tank or facility is not involved, enter general location of the contamination site as best possible; i.e., street, city, county, zip, cross street, and type of area.

5. IMPLEMENTING AGENCIES

Enter names of the local agency, Regional Board and/or Toxic Substances Control Division (TSCD) regional office involved and a contact person and telephone number for each.

6. SUBSTANCES INVOLVED

Enter the CAS number(s) (if known), name(s), and quantities lost of all hazardous substances involved. Attach an extra sheet if more than two substances are involved. Be as specific as possible.

7. DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the discharge. More than one box may be checked in the sections titled "How Discovered" and "Method Used To Stop Discharge" if appropriate.

8. SOURCE/CAUSE

Indicate source(s) of discharge. Provide details on tank age; capacity and material if a tank is involved. Check box(es) indicating cause of discharge. More than one box may be checked if appropriate.

9. RESOURCES AFFECTED/AT RISK

In section titled "RESOURCES AFFECTED" indicate whether any of the resources listed have been affected ("YES"), will not be affected ("NO"), or may be affected ("THREATENED") by the release. Check "UNKNOWN" if unsure of the status of a resource. Specify any unlisted resources which are, or may be, involved under "OTHER". The same instructions apply to the section titled "WATER SUPPLIES AFFECTED." Give the number of water wells affected or threatened, if known. Provide the name of the ground-water basin underlying the site, if known, in the space provided.

10. COMMENTS

Use this space to elaborate on any aspects of the incident. Comments on cleanup work or planning or related investigations should be reported on a separate Cleanup Tracking Report.

11. SIGNATURE

Sign the form in the space provided.

DISTRIBUTION

Hand deliver or mail copies of the form as follows:

- | | |
|--|--|
| 1) Original - Local Agency | 3) Regional Water Quality Control Board |
| 2) State Water Resources Control Board
Division of Water Quality
Underground Tank Program
P. O. Box 100
Sacramento, CA 95801 | 4) Toxic Substances Control Division
Underground Tank Program
714/744 P Street
Sacramento, CA 95814 |
| | 5) Owner/responsible party |

CALIFORNIA REGIONAL WATER
 CONTROL BOARD
 MAR 23 1987

A DB
Shell Oil Company



**EAST BAY
MARKETING DISTRICT**

P. O. Box 7004
3468 Mt. Diablo Blvd.
Suite B103
Lafayette, CA 94549-7004
(415) 283-4200

November 7, 1986

AIP

N

Mr. Dale Boyer
California Regional Water
Quality Control Board
San Francisco Bay Region
1111 Jackson St., Room 6040
Oakland, CA 94607

Dear Dale:

LOCATION: SHELL STATION
15275 WASHINGTON
SAN LEANDRO, CA

Alameda

Shell has a lease termination agreement with the property to remove all underground tanks and lines.

A review of our monitoring well report indicates free-floating product on ground water in one monitoring well.

Shell is scheduling routine monitoring and removal of product as required until site assessment plan is complete.

If you have any questions, feel free to call me (415) 283-4200.

Very truly yours,

R. G. Newsome
Sr. District Engineer

Attach: Underground Storage Tank Unauthorized Release(Leak)/Contamination Site Report

cc + Attach: Alameda County Division of Environmental Health
State Water Resources Control Board
Toxic Substances Control Division

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

EMERGENCY <input type="checkbox"/> YES <input type="checkbox"/> NO	HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input type="checkbox"/> NO	STATE TANK ID # _____
---	--	-----------------------

REPORT DATE 1/10/86	LOCAL CASE # _____	REGIONAL BOARD CASE # _____	US EPA ID # _____
------------------------	--------------------	-----------------------------	-------------------

REPORTED BY	NAME OF INDIVIDUAL FILING REPORT RAY NEWSOME	PHONE (415) _____	SIGNATURE 	
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD	COMPANY OR AGENCY NAME SHELL OIL CO		
	ADDRESS STREET P.O. Box 7009 CITY LAFAYETTE STATE CA ZIP 94549			

RESPONSIBLE PARTY	NAME SHELL OIL CO <input type="checkbox"/> UNKNOWN	CONTACT PERSON RAY NEWSOME	PHONE (415) 383-4200	ADDRESS 3468 Mt. Diablo Blvd.	CITY Lafayette	STATE Ca.	ZIP _____
	STREET _____ CITY _____ STATE _____ ZIP _____						

SITE LOCATION	FACILITY NAME (IF APPLICABLE) SHELL STATION	OPERATOR GEO SAUEL	PHONE (415) _____
	ADDRESS STREET 15275 Washington CITY San Leandro COUNTY Alameda ZIP _____		

CROSS STREET Lawelling	TYPE OF AREA <input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input checked="" type="checkbox"/> RESIDENTIAL <input type="checkbox"/> RURAL <input type="checkbox"/> OTHER _____	TYPE OF BUSINESS <input checked="" type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER _____
---------------------------	--	---

IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME ALAMEDA COUNTY ENVIRONMENTAL HEALTH	CONTACT PERSON TED GIEROW	PHONE (415) 874-7237	
	REGIONAL BOARD SAN FRANCISCO BAY REGION		CONTACT PERSON DALE BOYER	PHONE (415) 464-0830
	TSCD _____			

SUBSTANCES INVOLVED	CAS # (ATTACH EXTRA SHEET IF NEEDED)	NAME GASOLINE UNKN	QUANTITY LOST (GALLONS) _____ <input checked="" type="checkbox"/> UNKNOWN
	(1) _____		
(2) _____			

DISCOVERY/ABATEMENT	DATE DISCOVERED 01/10/86	HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input checked="" type="checkbox"/> ROUTINE MONITORING <input type="checkbox"/> TANK REMOVAL <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> OTHER: _____		
	DATE DISCHARGE BEGAN _____ <input checked="" type="checkbox"/> UNKNOWN	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" 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 PROCEDURES <input type="checkbox"/> OTHER _____		
	HAS DISCHARGE BEEN STOPPED? UNKNOWN <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE _____			

SOURCE/CAUSE	SOURCE(S) OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER (SPECIFY) _____	TANKS ONLY/CAPACITY 26,000 GAL AGE 23 YRS. <input type="checkbox"/> UNKNOWN MATERIAL <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> FIBERGLASS <input type="checkbox"/> OTHER _____	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> CORROSION <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER _____
--------------	--	---	---

RESOURCES AFFECTED/AT RISK	RESOURCES AFFECTED YES NO THREATENED UNKNOWN AIR (VAPOR) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> SOIL (VADOSE ZONE) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GROUNDWATER <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> SURFACE WATER OR STORM DRAIN <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> BUILDING OR UTILITY VAULT <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> OTHER (SPECIFY) _____ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	WATER SUPPLIES AFFECTED YES NO THREATENED UN- # OF KNOWN WELLS PUBLIC DRINKING WATER <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> _____ PRIVATE DRINKING WATER <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> _____ INDUSTRIAL <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> _____ AGRICULTURAL <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> _____ OTHER (SPECIFY) _____ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> _____
	GROUNDWATER BASIN NAME <input checked="" type="checkbox"/> UNKNOWN	

COMMENTS	COMMENTS: SHELL IS PREPARING A SITE ASSESSMENT PLAN AND CONTINUE MONITORING & PRODUCT REMOVAL.
COMPLETE AND ATTACH A CLEANUP TRACKING REPORT IF ANY CLEANUP WORK OR PLANNING HAS STARTED	

INSTRUCTIONS

1. GENERAL

In box titled "EMERGENCY", indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

In space provided, enter state tank ID number if known. State ID numbers have been assigned to all tanks that are on file with the State Water Resources Control Board. Enter today's date in the box titled "Report Date". Enter local and Regional Water Quality Control Board case numbers if known. Enter the US EPA facility number if applicable.

2. REPORTED BY

Enter your name, telephone number and address. Indicate which party you represent, and provide company or agency name.

3. RESPONSIBLE PARTY

Enter the name, telephone number, contact person, and address of the party responsible for the leak, or mark unknown. For tank leaks, the responsible party would normally be the tank owner.

4. SITE LOCATION

Enter information regarding the tank facility and surrounding area. If a known tank or facility is not involved, enter general location of the contamination site as best possible; i.e., street, city, county, zip, cross street, and type of area.

5. IMPLEMENTING AGENCIES

Enter names of the local agency, Regional Board and/or Toxic Substances Control Division (TSCD) regional office involved and a contact person and telephone number for each.

6. SUBSTANCES INVOLVED

Enter the CAS number(s) (if known), name(s), and quantities lost of all hazardous substances involved. Attach an extra sheet if more than two substances are involved. Be as specific as possible.

7. DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the discharge. More than one box may be checked in the sections titled "How Discovered" and "Method Used To Stop Discharge" if appropriate.

8. SOURCE/CAUSE

Indicate source(s) of discharge. Provide details on tank age; capacity and material if a tank is involved. Check box(es) indicating cause of discharge. More than one box may be checked if appropriate.

9. RESOURCES AFFECTED/AT RISK

In section titled "RESOURCES AFFECTED" indicate whether any of the resources listed have been affected ("YES"), will not be affected ("NO"), or may be affected ("THREATENED") by the release. Check "UNKNOWN" if unsure of the status of a resource. Specify any unlisted resources which are, or may be, involved under "OTHER". The same instructions apply to the section titled "WATER SUPPLIES AFFECTED." Give the number of water wells affected or threatened, if known. Provide the name of the ground-water basin underlying the site, if known, in the space provided.

10. COMMENTS

Use this space to elaborate on any aspects of the incident. Comments on cleanup work or planning or related investigations should be reported on a separate Cleanup Tracking Report.

11. SIGNATURE

Sign the form in the space provided.

DISTRIBUTION

Hand deliver or mail copies of the form as follows:

- | | |
|--|--|
| 1) Original - Local Agency | 3) Regional Water Quality Control Board |
| 2) State Water Resources Control Board
Division of Water Quality
Underground Tank Program
P. O. Box 100
Sacramento, CA 95801 | 4) Toxic Substances Control Division
Underground Tank Program
714/744 P Street
Sacramento, CA 95814 |
| | 5) Owner/responsible party |

QUALITY CONTROL BOARD

NOV 10 1986

CALIFORNIA REGIONAL WATER

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

EMERGENCY <input type="checkbox"/> YES <input type="checkbox"/> NO	HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input type="checkbox"/> NO	STATE TANK ID # _____
---	--	-----------------------

REPORT DATE 1 M 10 D 86 Y	LOCAL CASE # _____	REGIONAL BOARD CASE # _____	US EPA ID # _____
------------------------------	--------------------	-----------------------------	-------------------

REPORTED BY	NAME OF INDIVIDUAL FILING REPORT RAY NEWSOME	PHONE (415)	SIGNATURE 	
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER	COMPANY OR AGENCY NAME SHELL OIL CO.		
	<input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD			

ADDRESS
 STREET **P.O. Box 7004** CITY **LAFAYETTE** STATE **CA** ZIP **94549**

RESPONSIBLE PARTY	NAME SHELL OIL CO <input type="checkbox"/> UNKNOWN	CONTACT PERSON RAY NEWSOME	PHONE (415) 283-4200
	ADDRESS 3468 Mt. Diablo Blvd.	CITY Lafayette STATE Ca. ZIP _____	

SITE LOCATION	FACILITY NAME (IF APPLICABLE) [REDACTED]	OPERATOR GEO SALEL	PHONE (415)
	ADDRESS 15275 Washington	CITY San Jose COUNTY Ala ZIP _____	

CROSS STREET Leveling	TYPE OF AREA <input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input checked="" type="checkbox"/> RESIDENTIAL <input type="checkbox"/> RURAL <input type="checkbox"/> OTHER _____	TYPE OF BUSINESS <input checked="" type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER _____
---------------------------------	--	---

IMPLEMENTING AGENCIES	LOCAL AGENCY ALAMEDA COUNTY ENVIRONMENTAL HEALTH	AGENCY NAME ENVIRONMENTAL HEALTH	CONTACT PERSON TED GEROW	PHONE (415) 874-7237	
	REGIONAL BOARD SAN FRANCISCO BAY REGION	CONTACT PERSON DALE BOYER	PHONE (415) 464-0830		
	TSCD _____				

SUBSTANCES INVOLVED	CAS # (ATTACH EXTRA SHEET IF NEEDED)	NAME GASOLINE UNKN	QUANTITY LOST (GALLONS) _____ <input checked="" type="checkbox"/> UNKNOWN
	(1) _____	(2) _____	_____ <input type="checkbox"/> UNKNOWN

DISCOVERY/ABATEMENT	DATE DISCOVERED 08 M 16 D 86 Y	HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input checked="" type="checkbox"/> ROUTINE MONITORING <input type="checkbox"/> TANK REMOVAL <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> OTHER: _____
	DATE DISCHARGE BEGAN M M D D Y Y <input checked="" type="checkbox"/> UNKNOWN	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" 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 PROCEDURES <input type="checkbox"/> OTHER _____
	HAS DISCHARGE BEEN STOPPED? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE M M D D Y Y UNKNOWN	

SOURCE/CAUSE	SOURCE(S) OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN	TANKS ONLY/CAPACITY 26,000 GAL AGE 23 YRS. <input type="checkbox"/> UNKNOWN	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> CORROSION <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER _____
	<input type="checkbox"/> PIPING LEAK	MATERIAL <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> FIBERGLASS	
	<input type="checkbox"/> OTHER (SPECIFY) _____	<input type="checkbox"/> OTHER _____	

RESOURCES AFFECTED/AT RISK	RESOURCES AFFECTED	YES	NO	THREATENED	UNKNOWN	WATER SUPPLIES AFFECTED	YES	NO	THREATENED	UN- KNOWN	# OF WELLS
	AIR (VAPOR)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PUBLIC DRINKING WATER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
	SOIL (VADOSE ZONE)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PRIVATE DRINKING WATER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
GROUNDWATER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INDUSTRIAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	
SURFACE WATER OR STORM DRAIN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AGRICULTURAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	
BUILDING OR UTILITY VAULT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OTHER (SPECIFY)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	
OTHER (SPECIFY)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
GROUNDWATER BASIN NAME <input checked="" type="checkbox"/> UNKNOWN											

COMMENTS:
SHELL IS PREPARING A SITE ASSESSMENT PLAN AND CONTINUE MONITORING & PRODUCT REMOVAL.

COMPLETE AND ATTACH A CLEANUP TRACKING REPORT IF ANY CLEANUP WORK OR PLANNING HAS STARTED H5C 05 (10/85)

INSTRUCTIONS

-2-

1. GENERAL

In box titled "EMERGENCY", indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

In space provided, enter state tank ID number if known. State ID numbers have been assigned to all tanks that are on file with the State Water Resources Control Board. Enter today's date in the box titled "Report Date". Enter local and Regional Water Quality Control Board case numbers if known. Enter the US EPA facility number if applicable.

2. REPORTED BY

Enter your name, telephone number and address. Indicate which party you represent, and provide company or agency name.

3. RESPONSIBLE PARTY

Enter the name, telephone number, contact person, and address of the party responsible for the leak, or mark unknown. For tank leaks, the responsible party would normally be the tank owner.

4. SITE LOCATION

Enter information regarding the tank facility and surrounding area. If a known tank or facility is not involved, enter general location of the contamination site as best possible; i.e., street, city, county, zip, cross street, and type of area.

5. IMPLEMENTING AGENCIES

Enter names of the local agency, Regional Board and/or Toxic Substances Control Division (TSCD) regional office involved and a contact person and telephone number for each.

6. SUBSTANCES INVOLVED

Enter the CAS number(s) (if known), name(s), and quantities lost of all hazardous substances involved. Attach an extra sheet if more than two substances are involved. Be as specific as possible.

7. DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the discharge. More than one box may be checked in the sections titled "How Discovered" and "Method Used To Stop Discharge" if appropriate.

8. SOURCE/CAUSE

Indicate source(s) of discharge. Provide details on tank age; capacity and material if a tank is involved. Check box(es) indicating cause of discharge. More than one box may be checked if appropriate.

9. RESOURCES AFFECTED/AT RISK

In section titled "RESOURCES AFFECTED" indicate whether any of the resources listed have been affected ("YES"), will not be affected ("NO"), or may be affected ("THREATENED") by the release. Check "UNKNOWN" if unsure of the status of a resource. Specify any unlisted resources which are, or may be, involved under "OTHER". The same instructions apply to the section titled "WATER SUPPLIES AFFECTED." Give the number of water wells affected or threatened, if known. Provide the name of the ground-water basin underlying the site, if known, in the space provided.

10. COMMENTS

Use this space to elaborate on any aspects of the incident. Comments on cleanup work or planning or related investigations should be reported on a separate Cleanup Tracking Report.

11. SIGNATURE

Sign the form in the space provided.

DISTRIBUTION

Hand deliver or mail copies of the form as follows:

- | | |
|--|--|
| 1) Original - Local Agency | 3) Regional Water Quality Control Board |
| 2) State Water Resources Control Board
Division of Water Quality
Underground Tank Program
P. O. Box 100
Sacramento, CA 95801 | 4) Toxic Substances Control Division
Underground Tank Program
714/744 P Street
Sacramento, CA 95814 |
| | 5) Owner/responsible party |

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
 MAR 23 1987
 SACRAMENTO, CALIFORNIA