

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



7

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

August 9, 2006

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

Raymond Fredricksen
Thrifty Oil Company
P.O. Box 2128
Santa Fe Springs, CA 90670

Subject: Fuel Leak Case No. RO0000026, Shell #13-5699, 5755 Broadway, Oakland, CA

Dear Mr. Brown and Mr. Fredricksen:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the report entitled, "Second Quarter 2006 Groundwater Monitoring Report and Groundwater Extraction System Shutdown Recommendation," dated July 11, 2006, prepared on your behalf by Cambria Environmental Technology, Inc. The report presents the results of second quarter 2006 groundwater monitoring, a historical remediation summary, well S-2 MTBE concentrations trends, and a recommendation to discontinue temporary groundwater extraction (GWE) operations. Based on the low flow rate from well S-2 and decreasing concentration trends, we concur with discontinuing temporary GWE system operations.

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

TECHNICAL COMMENTS

1. **Temporary GWE System Operations.** Based on the low flow rate and decreasing concentration trends for petroleum hydrocarbons and fuel oxygenates in well S-2, we concur with the recommendation to discontinue temporary GWE system operations.
2. **Well H-1.** We have no objection to removing well H-1 from the quarterly groundwater monitoring program. However, groundwater collected from this horizontal well contained up to 280,000 micrograms per liter of total petroleum hydrocarbons as gasoline as recently as June 2002. Therefore, we request that well H-1 be sampled on an annual basis during the second quarter.

TECHNICAL REPORT REQUEST

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

- **November 15, 2006** – Quarterly Monitoring Report for the Third Quarter 2006
- **February 15, 2007** – Quarterly Monitoring Report for the Fourth Quarter 2006

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

ELECTRONIC SUBMITTAL OF REPORTS

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

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

PERJURY STATEMENT

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

Denis Brown
Raymond Fredricksen
August 9, 2006
Page 3

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

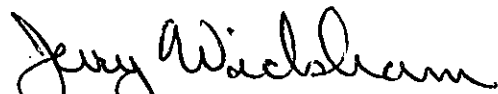
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

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

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

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

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

Donna Drogos, ACEH
Jerry Wickham, ACEH
File



Dan Skopec
Acting Secretary

State Water Resources Control Board

Division of Financial Assistance

1001 I Street • Sacramento, California 95814
P.O. Box 944212 • Sacramento, California • 94244-2120
(916) 341-5714 • FAX (916) 341-5806 • www.waterboards.ca.gov/cwphome/ustcf



Arnold Schwarzenegger
Governor

JUN - 6 2006

SHELL OIL COMPANY
SHELL OIL PRODUCTS US - HSE/S&E
DEBORAH PRYOR
20945 WILMINGTON AVE S
CARSON, CA 90810

Alameda County
JUN 12 2006
Environmental Health

UNDERGROUND STORAGE TANK CLEANUP FUND (FUND), CLAIM NO. 004949,
FOR SITE ADDRESS: 5755 BROADWAY, OAKLAND

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

NOTE: *A detailed review of costs submitted at the time of reimbursement must be made. Only costs associated with eligible corrective action cost are eligible for reimbursement.*

All invoices must be billed in claimants name and checks paying for invoices must come from the claimant as listed on the application. Any other invoicing and payment arrangements must be received and approved by the Fund or cost may not be reimbursed.

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

You are reminded that you must comply with all regulatory agency time schedules and requirements and you must obtain three bids for any required corrective action. Only corrective action costs *required* by the regulatory agency to protect human health, safety and the environment can be claimed for reimbursement. If you have any questions about obtaining preapproval of your costs or the three bid requirement, please call Sunil Ramdass, our Technical Reviewer assigned to claims in your Region, at (916) 341-5757. Failure to obtain preapproval of your future costs may result in the costs not being reimbursed.

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

California Environmental Protection Agency



Reimbursement Request Instructions and Information packages. **Retain these packages for future reimbursement requests.** These instructions must be followed when seeking reimbursement for corrective action costs incurred after January 1, 1988.

"Reimbursement Request" forms which you **must use to request reimbursement of costs incurred.**

"Spreadsheet" forms which you **must use in conjunction with your reimbursement request.**

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

Signature(s) on the application will be the signature(s) required for all future Fund documents.

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

If you have any questions regarding the enclosed documents, please contact Ginny Lagomarsino at (916) 341-5722.

Sincerely,



Ronald M. Duff, Manager
Underground Storage Tank Cleanup Fund

Enclosures

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

Ms. Donna Drogos
Alameda County EHD
1131 Harbor Bay Pkwy, 2nd Fl.
Alameda, CA 94502-6577

ALAMEDA COUNTY
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March 7, 2006

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

Raymond Fredricksen
Thrifty Oil Company
P.O. Box 2128
Santa Fe Springs, CA 90670

Subject: Fuel Leak Case No. R00000026, Shell #13-5699, 5755 Broadway, Oakland, CA

Dear Mr. Brown and Mr. Fredricksen:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the documents entitled, "Fuel System Upgrade Soil Sampling, Soil Excavation, and Geophysical Survey Report," dated August 9, 2005 and "Site Investigation Report," dated February 13, 2006. During overexcavation activities on January 31, 2005, hydrocarbon-impacted soil or fill material was observed in the northeast corner of the tank pit. A limited geophysical investigation was conducted in the area of the hydrocarbon-impacted soil. Two geophysical anomalies that have features consistent with buried objects such as drums or USTs were identified. Three hand auger borings were advanced in the area of the two geophysical anomalies and an area of gray-colored soil observed at the surface approximately 15 feet from the UST pit. No tanks, drums, or other potential hydrocarbon sources were encountered in the borings. Petroleum hydrocarbons detected in shallow soil in the hand auger borings appear to be consistent with the previously identified petroleum hydrocarbon release at the site. Based on these results, no further investigation to locate unknown tanks, drums, or other potential hydrocarbons sources is required at this time.

TECHNICAL REPORT REQUEST

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

- **May 15, 2006** – Quarterly Monitoring Report for the First Quarter 2006
- **July 17, 2006** – Quarterly Monitoring Report for the Second Quarter 2006

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

ELECTRONIC SUBMITTAL OF REPORTS

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

Denis Brown
March 7, 2006
Page 3

UNDERGROUND STORAGE TANK CLEANUP FUND

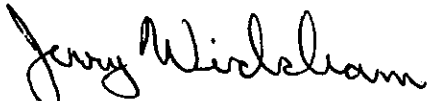
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

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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: Cynthia Vasko
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

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

October 27, 2005

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

Raymond Fredricksen
Thrifty Oil Company
P.O. Box 2128
Santa Fe Springs, CA 90670

Subject: Fuel Leak Case No. RO0000026, Shell #13-5699, 5755 Broadway, Oakland, CA – Work Plan Approval

Dear Mr. Brown and Mr. Fredricksen:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the documents entitled, "Site Investigation Work Plan," dated October 13, 2005 and "Third Quarter 2005 Monitoring Report," dated October 3, 2005. The Work Plan proposes three soil borings to investigate two areas where a recent geophysical survey identified anomalies that are consistent with buried tanks or drums and one area where gray soils were observed beneath pavement. ACEH concurs with the proposed scope of work in the "Site Investigation Work Plan," dated October 13, 2005. Please see the technical comments below regarding the "Third Quarter 2005 Monitoring Report," dated October 3, 2005.

We request that you perform the proposed work, and send us the reports described below. Please provide 72-hour advance written notification to this office (e-mail preferred to jerry.wickham@accgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Oxygenate Analysis.** Please include tert-butyl alcohol as an analyte for future quarterly groundwater samples collected from well S-2 and present the results in the quarterly monitoring reports requested below.
2. **Temporary GWE System.** ACEH concurs with the recommendation to resume temporary groundwater extraction system operation. Please resume these operations and report the results in the quarterly monitoring reports requested below.

TECHNICAL REPORT REQUEST

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

- **February 1, 2006** – Quarterly Monitoring Report for the Fourth Quarter 2005
- **February 17, 2006** - Subsurface Investigation Report
- **May 1, 2006** – Quarterly Monitoring Report for the First Quarter 2006

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

ELECTRONIC SUBMITTAL OF REPORTS

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PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

Denis Brown
October 27, 2005
Page 3

and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

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

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Inspector Keith Matthews
Oakland Fire Department
Hazardous Materials Management Program
250 Frank H. Ogawa Plaza, Suite 3341
Oakland, CA 94612

Cynthia Vasko
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ROZ6

Wickham, Jerry, Env. Health

From: Vasko, Cynthia [cvasko@cambria-env.com]
Sent: Wednesday, October 26, 2005 11:21 AM
To: kmatthews@oaklandnet.com
Cc: Wickham, Jerry, Env. Health; Brown, Denis L SOPUS-OP-COR-H; Derby, Matt
Subject: RE: 5755 Broadway, Oakland - 10/13/05 Site Investigation Work Plan

Mr. Matthews,

The proposed site investigation work (advance 3 soil borings to 10 fbg using hand-auguring equipment), is scheduled to take place on Friday, November 18, 2005 beginning at 9:00 am, under the oversight of Alameda County Environmental Health Care Services. As stated in Cambria's October 13, 2005 *Site Investigation Work Plan*, Cambria will collect samples for chemical analysis at 2 fbg, 5 fbg, 8 fbg, and 10 fbg, at changes in lithology, and where field indications of hydrocarbon impact are present. The samples will be collected throughout the entire day, as the specified depths and/or subsurface conditions are encountered during hand auguring.

Regards,

Cynthia Vasko
 Project Engineer
 Cambria Environmental Technology, Inc.
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 phone: (510) 420-3344
 fax: (510) 420-9170
 cell: (510) 385-0137

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

From: Matthews, Keith [mailto:KMatthews@oaklandnet.com]
Sent: Friday, October 21, 2005 9:23 AM
To: Vasko, Cynthia
Subject: RE: 5755 Broadway, Oakland - 10/13/05 Site Investigation Work Plan

Cynthia:

I must to be present during all sampling events.

Thanks,

Keith L Matthews
 Hazardous Materials Inspector
 kmatthews@oaklandnet.com
 (510)238-2396

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

From: Vasko, Cynthia [mailto:cvasko@cambria-env.com]
Sent: Wednesday, October 19, 2005 6:02 PM
To: kmatthews@oaklandnet.com
Cc: jerry.wickham@acgov.org; Brown, Denis L SOPUS-OP-COR-H; Derby, Matt
Subject: 5755 Broadway, Oakland - 10/13/05 Site Investigation Work Plan

Mr. Matthews,

10/26/2005

As stated in Cambria's August 9, 2005 *Fuel System Upgrade Soil Sampling, Soil Excavation, and Geophysical Survey Report*, a work plan presenting the scope of work for investigating two geophysical anomalies and one visual anomaly has been submitted to the Alameda County Health Care Services Agency (ACHCSA). Per our telephone conversation today, the site (5755 Broadway, Oakland) is currently leaking underground fuel tank (LUFT) site and we will continue to work with ACHCSA to complete the proposed site investigation activities. Cambria or ACHCSA will contact you if a fuel tank is identified for removal, or if any site conditions are encountered which require your involvement. Feel free to contact me if you have any additional questions regarding this project.

Regards,

Cynthia Vasko
Project Engineer
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
phone: (510) 420-3344
fax: (510) 420-9170
cell: (510) 385-0137

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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ENVIRONMENTAL PROTECTION
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August 19, 2005

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

Raymond Fredricksen
Thrifty Oil Company
P.O. Box 2128
Santa Fe Springs, CA 90670

Subject: Fuel Leak Case No. RO0000026, Shell #13-5699, 5755 Broadway, Oakland, CA

Dear Mr. Brown and Mr. Fredricksen:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site and the reports entitled, "Fuel System Upgrade Soil Sampling, Soil Excavation, and Geophysical Survey Report," dated August 9, 2005 and "First and Second Quarter 2005 Monitoring Report," dated July 20, 2005. Both reports were prepared on Shell's behalf by Cambria Environmental Technology, Inc. This site at 5755 Broadway in Oakland was also discussed during a meeting held on August 10, 2005 between Denis Brown of Shell, Jerry Wickham and Donna Drogos of ACEH, and David Gibbs and Cynthia Vasko of Cambria. The Fuel System Upgrade report describes underground storage tank (UST), dispenser, and piping replacement activities and over-excavation sampling conducted at the site between November 2004 and June 2005. In addition, the Fuel System Upgrade report also presents the results of a geophysical survey. The geophysical survey identified two anomalies in the northern portion of the site that potentially could be buried drums or USTs. **ACEH requests that you submit a Work Plan by October 11, 2005 to investigate these anomalies.** Please address the following technical comments, perform the proposed work and send us the reports described below.

TECHNICAL COMMENTS

1. **Geophysical Anomalies.** ACEH concurs with the conclusion in the Fuel Upgrade Sampling Report that hand auger or air vacuum borings should be advanced to investigate two geophysical anomalies that have features consistent with buried drums or USTs. Please present plans for investigating these anomalies in the Work Plan requested below.
2. **Temporary Groundwater Extraction System.** As discussed during our August 10, 2005 meeting, CEH concurs with the recommendation in the First and Second Quarter 2005 Monitoring Report to use third quarter 2005 groundwater sampling results to evaluate the need for operation of the groundwater extraction system.

TECHNICAL REPORT REQUEST

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

- **October 11, 2005** – Work Plan to Investigate Geophysical Anomalies
- **October 31, 2005** - Quarterly Report for the Third Quarter 2005
- **February 28, 2006** - Quarterly Report for the Fourth Quarter 2005

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

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UNDERGROUND STORAGE TANK CLEANUP FUND

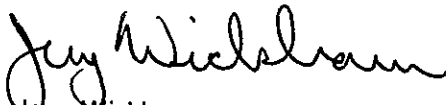
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

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

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

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

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

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

CAMBRIA

To: Keith L. Matthews, Oakland Fire Department

Address: 1605 Martin Luther King Jr. Way

Oakland, California 94612

From: Matt Derby

Phone: (510) 420-3332

Date: February 15, 2005

Re: Shell site at 5755 Broadway

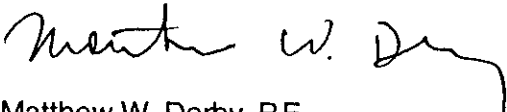
Alameda County
FEB 18 2005
Environmental Health

Mr. Matthews:

Attached please find a replacement figure which shows the location of the two soil samples reported in Cambria's February 10, 2005 *Underground Storage Tank Replacement and Over-Excavation Activities*.

Please call Matt Derby at (510) 420-3332 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc



Matthew W. Derby, P.E.
Senior Project Engineer

- cc: Karen Petryna, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810
- William Merchant, Shell Oil Products US, 9141 E. Stockton Blvd., Suite #250-321, Elk Grove, CA 95624
- Thrifty Oil Company, c/o Mr. Raymond Fredricksen, PO Box 2128, Santa Fe Springs, CA 90670
- Roseanna Garcia-La Grille, Alameda County Health Care Services Agency, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
- Jeff Scott, Fillner Construction Inc., 4470 Yankee Hill Rd., Suite 200, Rocklin, CA 95677

This fax transmittal is intended solely for use by the person or entity identified above. Any copying or distribution of this document by anyone other than the intended recipient is strictly prohibited. If you are not the intended recipient, please telephone us immediately and return the original transmittal to us at the address listed below.

Cambria Environmental Technology, Inc., 5900 Hollis Street, Suite A, Emeryville, CA 94608
Tel (510) 420-0700 Fax (510) 420-9170

EXPLANATION

- TP-5-14 ▲ Soil sample location (2/9/05)
- SP-5 ● Soil sample location (2/1/05)
- TP-1-14 ■ Soil sample location (1/31/05)
- S-1 ◆ Monitoring well location
- S-2 ◆ Groundwater monitoring well used for extraction
- T-1 ★ Tank backfill well location
- T-3 ■ Pre-pack monitoring well location
- H-1 □ Horizontal extraction well location
- B-1 ⊙ Soil boring location (Miller-Brooks, 8/6-7/02)
- Sanitary sewer line (SS)
- Storm drain (SD)
- - - Overhead powerline (E)
- ▲ Flow direction
- Manhole
- 4.5 fbg Feet below grade

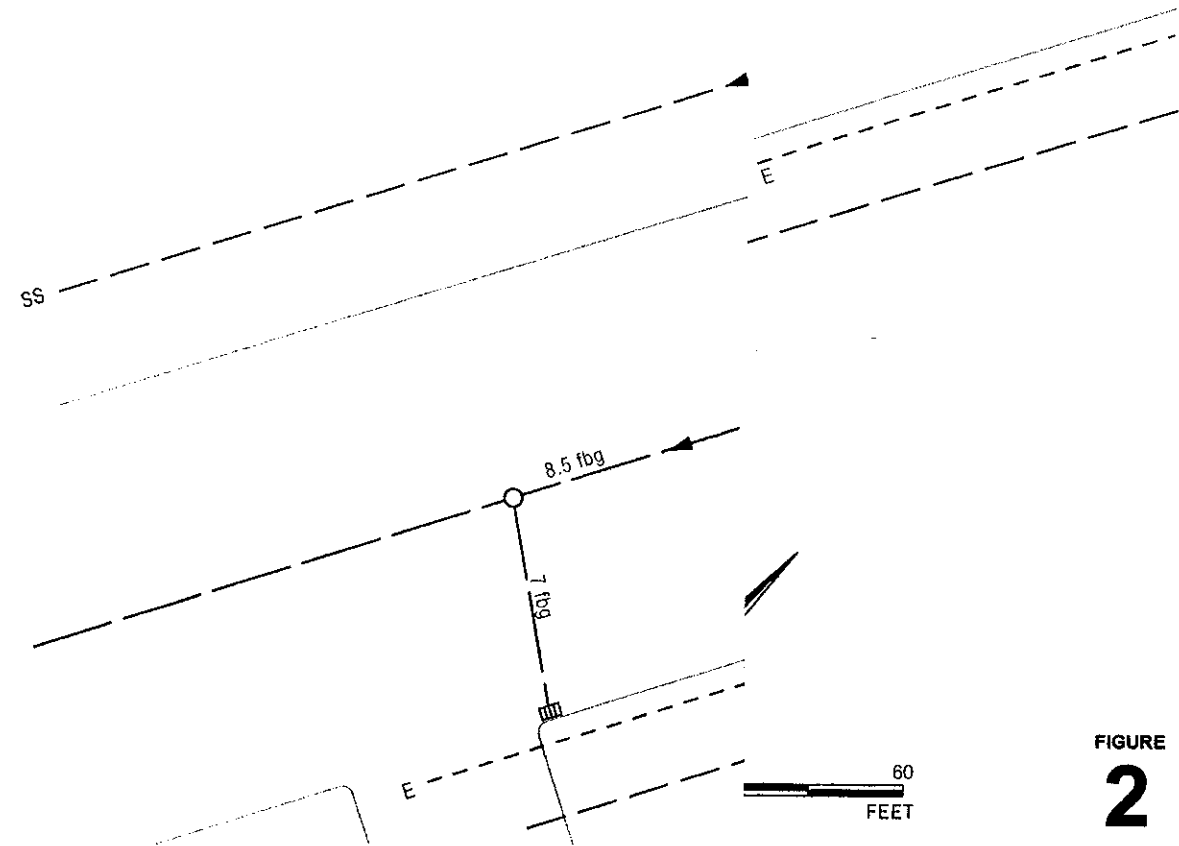
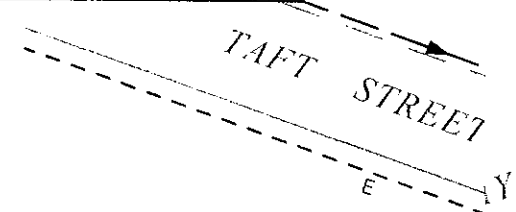
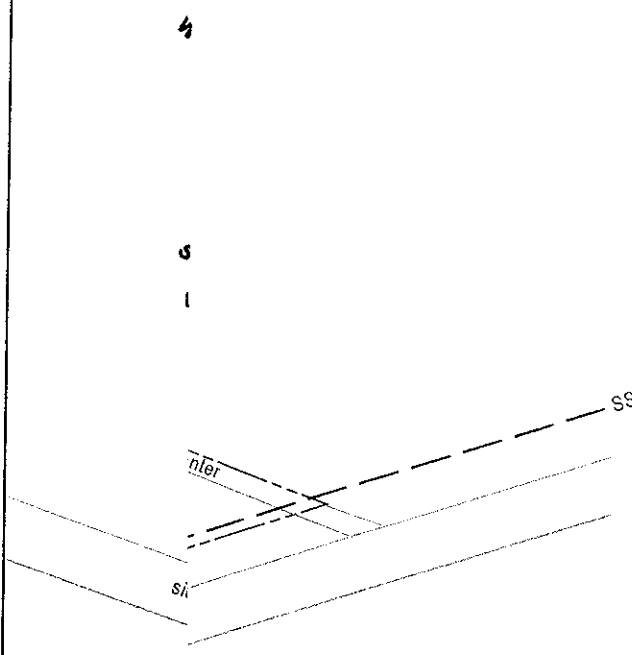


FIGURE 2

Site Plan



C A M B R I A

Shell-branded Service Station

5755 Broadway
Oakland, California
Incident #98995756

C A M B R I A



To: Mr. Keith Matthews

Company: City of Oakland Fire Department

Address: 505 14th Street, Suite 501
Oakland, CA 94612

Phone: (510) 238-3938

Fax:

From: Dan Lescure

Phone: (510) 420-3306

Date: November 23, 2004

Re: Unauthorized Release Report
Shell-branded Service Station
5755 Broadway, Oakland, CA

Transmittal

Dear Mr. Mathews:

On behalf of Shell Oil Products US, I am forwarding the attached unauthorized release form for the subject site, which reports the product loss discovered on Saturday, November 20, 2004. Please contact me, or Aura Sibley of Shell, if you have any questions or need additional information.

Sincerely,

[Handwritten signature] for

Dan Lescure
Senior Project Engineer

cc: Karen Petryna, Shell Oil Products US
 Aura Sibley, Shell Oil Products US
 Roseanna Garcia LeGrille, Alameda County Health Care Services Agency

RECEIVED
 NOV 23 2004
 ENVIRONMENTAL TECHNOLOGY

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

EMERGENCY YES NO
 HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? YES NO

FOR LOCAL AGENCY USE ONLY
 (I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.)
 SIGNED: _____ DATE: _____

REPORT DATE: 11/1/04 2/2/04 0/4/04
 CASE #:

REPORTED BY: NAME OF INDIVIDUAL FILING REPORT: **Aura Sibley** PHONE: (916) 240-1610 SIGNATURE: *Aura Sibley* DATE: 11/23/04
 REPRESENTING: OWNER/OPERATOR REGIONAL BOARD LOCAL AGENCY OTHER
 COMPANY OR AGENCY NAME: **Equilon Enterprises LLC dba Shell Oil Products US**
 ADDRESS: **20945 S. Wilmington Avenue** CITY: **Carson** STATE: **CA** ZIP: **90810**

RESPONSIBLE PARTY: NAME: **Equilon Enterprises LLC dba Shell Oil Products US** CONTACT PERSON: **Karen Petryna** PHONE: (559) 645-9306
 ADDRESS: **20945 S. Wilmington Avenue** CITY: **Carson** STATE: **CA** ZIP: **90810**

SITE LOCATION: FACILITY NAME (IF APPLICABLE): **Shell-branded Service Station** OPERATOR: **Bijan Banapour** PHONE: (510) 419-4707
 ADDRESS: **5755 Broadway** CITY: **Oakland** STATE: **Alameda** ZIP: **94618**
 CROSS STREET: **Taft Street**

IMPLEMENTING AGENCIES: LOCAL AGENCY: **Oakland Fire Department** AGENCY NAME: **Oakland Fire Department** CONTACT PERSON: **Keith Williams MATTHEWS** PHONE: (510) 238-3856
 REGIONAL BOARD: **Regional Water Quality Control Board - Region II** CONTACT PERSON: **Chuck Headlee** PHONE: (510) 622-2433

SUBSTANCES INVOLVED: (1) **Gasoline** NAME: **Gasoline** QUANTITY LOST (GALLONS): **<0.1 gallon** UNKNOWN

DISCOVERY/ABATEMENT: DATE DISCOVERED: 11/1/04 2/0/04 0/0/04 HOW DISCOVERED: INVENTORY CONTROL SUBSURFACE MONITORING UNUSUAL CONDITIONS
 TANK TEST TANK REMOVAL OTHER: **observed after USTs floated**
 DATE DISCHARGE BEGAN: 11/1/04 2/0/04 0/0/04 UNKNOWN METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY):
 REMOVE CONTENTS CLOSE TANK & REMOVE REPAIR PIPING
 REPAIR TANK CLOSE TANK & FILL IN PLACE CHANGE PROCEDURE
 REPLACE TANK OTHER: **captured in bucket/absorbant cloths**

SOURCE/CAUSE: SOURCE OF DISCHARGE: TANK LEAK UNKNOWN PIPING LEAK OTHER
 CAUSE(S): OVERFILL RUPTURE/FAILURE SPILL OTHER: **floated USTs**
 CORROSION UNKNOWN

CASE TYPE: CHECK ONE ONLY: UNDETERMINED SOIL ONLY GROUNDWATER DRINKING WATER (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS: CHECK ONE ONLY: NO ACTION TAKEN PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED POLLUTION CHARACTERIZATION
 LEAK BEING CONFIRMED PRELIMINARY SITE ASSESSMENT UNDERWAY POST CLEANUP MONITORING IN PROGRESS
 REMEDIATION PLAN CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) CLEANUP UNDERWAY

REMEDIAL ACTION: CHECK APPROPRIATE ACTION(S) (SEE INSTRUCTIONS FOR DETAILS): EXCAVATE & DISPOSE (ED) REMOVE FREE PRODUCT (FP) ENHANCED BIO DEGRADATION (BT)
 CAP SITE (CS) EXCAVATE & TREAT (ET) PUMP & TREAT GROUNDWATER (PT) REPLACE SUPPLY (RS)
 CONTAMINATION BARRIER (CB) NO ACTION REQUIRED (NA) TREATMENT AT SOURCE (TS) VENT SOIL (VS)
 VACUUM EXTRACT (VE) OTHER (OT): **extract and off-haul groundwater**

COMMENTS: **USTs floated due to a broken water line. Fuel loss not observed upon discovery. Small drip from sump piping observed later. Cap on piping was tightened to stop drip. Captured ~1 gallon of fuel in bucket before dripped was stopped. An estimated 10 to 50 ml of fuel was discharged to water within tank pit. This fuel was removed using absorbant cloths. This site is an existing LOP case.**

HSC 05 (0/00)

D

STID# 3618

20 0000 26

Claim No: 4949	Claimant Name: Shell Oil
	Site Address: 5755 Broadway

Compliance Documentation

Date	Corrective Action Performed
1985 -	Site Map shows three USTs located at the site. Application does not state that the USTs have been removed. There was a tank replacement project in 1985. Apparently there were some dissolved hydrocarbon in the water at the time of the tank replacement, but no action was taken. In Feb. 1989 it looks like there was an attempt to investigate the old details and perform a site assessment if necessary.
2/89	A Jan. 1990 Status Report states there was one soil boring drilled and one monitoring well installed in July 1985 after the tank replacement. Supposedly relatively small concentrations of TPH were detected in the soil and groundwater.
9/89	A site assessment was performed.
	Site was placed in the LOP in 1992.
8-20-88	Alameda Co letter - report of failed tank test - investigation report due 30 days
9-11-88	Letter from Shell Oil Co - tank passed test report erroneous
	Quarterly Reports from 1-12-90
6-10-93	Soil Sampling + Sanitary Sewer Upgrade
5-17-97	1st Qtr 1997 Monitoring Report
8-27-98	Reviewed Qtrly Monitoring Report

Continued on Reverse

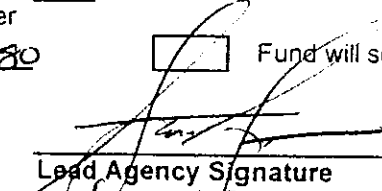
Confirmation of Corrective Action Compliance

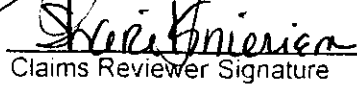
Claimant in Corrective Action Compliance

Claimant NOT in Corrective Action Compliance - 90 Day Letter Required

Caseworker
SUE HUBO

Fund will send letter Lead Agency will send letter
(Send copy to Fund w/in two weeks)


Lead Agency Signature 5-1-02
Date


Claims Reviewer Signature 9/1/99 9/1/99
Date Date of Detailed Review

C A M B R I A

October 19, 2000

Susan Hugo
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Certified List of Record Fee Title Holders for:
Shell-branded Service Station
5755 Broadway
Oakland, California
Incident #98995756

Ro# 26



Dear Ms. Hugo:

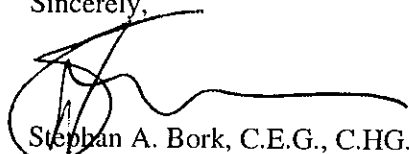
This correspondence identifies the current landowner of the referenced property and is being made on behalf of Equiva Services LLC in compliance with section 25297.15(a) of Chapter 6.7 of the Health Safety Code. Landowner information for the referenced property was researched by using one or more of the following methods:

1. Directly contacting the county assessor's office.
2. Reviewing a private vendor database of assessor information, and/or
3. Reviewing Equiva's or Cambria's files.

To the best of my knowledge, the following is a complete list of current fee title owners and their mailing addresses for the referenced property.

Henry Gutman/Grace Wolcott, 5775 Broadway, Oakland, CA 94618
Dave Holbrook, 5899 Lawton Avenue, Oakland, CA 94618
Sue Clark, 5845 Lawton Avenue, Oakland, CA 94618

Sincerely,



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

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

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869
Henry Gutman/Grace Wolcott, 5775 Broadway, Oakland, CA 94618
Dave Holbrook, 5899 Lawton Avenue, Oakland, CA 94618
Sue Clark, 5845 Lawton Avenue, Oakland, CA 94618

ZIMSKI-GUTMAN ENTERPRISES, INC.

6046 Lawton Avenue
Oakland, California 94618
Tel: 510.595.7708
Fax: 510.595-7712

October 17, 2000

Darren Croteau
Project Geologist
Cambria Environmental Technology, Inc.
1144 65th Street, Suite B
Oakland, California 94608

**Re: Shell Station
5755 Broadway
Cambria Project #242-0483-002**

Dear Mr. Croteau:

This concerns a September 28, 2000 groundwater monitoring report for the above location a copy of which was sent to my company. Apparently your records indicate that Zimski-Gutman Enterprises, Inc. still owns 5775 Broadway, Oakland, California. It does not, having divested itself of all interest in 5775 Broadway in early 1998. There are now three separate owners of what was formerly 5775 Broadway:

Henry Gutman/Grace Wolcott
5775 Broadway
Oakland, CA 94618

Dave Holbrook
5899 Lawton Avenue
Oakland, CA 94618

Sue Clark
5845 Lawton Avenue
Oakland, CA 94618

Please call if you have any questions.

Sincerely,



Patrick D. Zimski
President

Copy Susan Hugo
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9432

November 16, 1999

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

RE: Shell Service Station - 5755 Broadway, Oakland, CA 94618 (STID# 3618)

Dear Ms. Petryna:

This agency has recently reviewed the case file for the above referenced site. Based on this review, it appears that the extent of the petroleum hydrocarbon plume has not been completely defined. Three shallow groundwater monitoring wells (S-1, S-2 and S-3) are present at the site. In addition, three tank backfill observation wells also exist at the subject site. Groundwater samples collected from monitoring well S-2 (a downgradient well) consistently showed petroleum hydrocarbon contamination. The last sampling event conducted on 2/16/1999 found up to 680 parts per billion (ppb) Total Petroleum Hydrocarbon as gasoline, 140 ppb benzene, 6.1 ppb toluene, 10 ppb ethyl benzene, 18 ppb xylene and 19,000 ppb methyl tertiary butyl ether (MTBE). The extent of the contaminant plume has to be defined.

A work plan for soil and groundwater investigation must be submitted and should address the following issues:

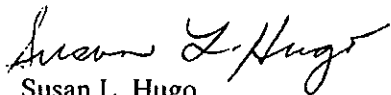
- Conduit study should be performed to evaluate potential migration pathways and potential conduits such as utility lines, storm drains, etc. that may be present in the vicinity of the site.
- The extent of the contaminant plume particularly MTBE should be completely defined in soil and groundwater at the site.
- Local hydrogeology should be characterized and groundwater flow conditions should be established at the site.
- Contaminant source area should be characterized.
- Interim cleanup proposed to immediately remove on going sources and to prevent the migration of MTBE off-site.
- Groundwater contaminant plume should be monitored on a quarterly basis.
- Site conceptual model (SCM) should be submitted for the site. The SCM should include at a minimum the following items:
 - local & regional plan view maps with location of sources, extent of contamination, direction & rate of groundwater flow, location of receptors
 - geologic cross-section maps with subsurface geologic features, man-made conduits, extent of contamination, etc.
 - plots of chemical concentration vs. time
 - plots of chemical concentration vs. distance from the source
 - summary tables of chemical concentrations in different media
 - well-logs, boring-logs, well survey maps

Ms. Karen Petryna
RE: 5755 Broadway, Oakland, CA
November 16, 1999
Page 2 of 2

The requested work plan should be submitted to this office no later than December 20, 1999.

If you have any questions regarding this letter or the subject site, please call me at (510) 567-6780.

Sincerely,



Susan L. Hugo
Hazardous Materials Specialist

c: Chuck Headlee, San Francisco Bay RWQCB
Shari Knieriem, SWRCB Cleanup Fund Program, 2014 T Street Sacramento, CA 95814
Ailsa Le May, Cambria, 1144 65th Street, Suite B, Oakland, CA 94608
SH / files

LC CHANGE RECORD REQUEST FORM

printed:
11/17/1999

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

Insp:

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
 StID : 3618 LOC:
 SITE NAME: Broadway Shell #204 DATE REPORTED : 09/18/1989
 ADDRESS : 5755 Broadway DATE CONFIRMED: 09/18/1989
 CITY/ZIP : Oakland 94618 MULTIPLE RPs : Y

SITE STATUS

CASE TYPE: W CONTRACT STATUS: 4 PRIOR CODE: 2B4 EMERGENCY RESP: 12/20/1992
 RP SEARCH: S DATE COMPLETED: 01/06/1992
 PRELIMINARY ASMNT: U DATE UNDERWAY: 09/18/1989 DATE COMPLETED:
 REM INVESTIGATION: DATE UNDERWAY: DATE COMPLETED:
 REMEDIAL ACTION: DATE UNDERWAY: DATE COMPLETED:
 POST REMED ACT MON: DATE UNDERWAY: DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 01/06/1992
 LUFT FIELD MANUAL CONSID: 3HSCAWG
 CASE CLOSED: DATE CASE CLOSED:
 DATE EXCAVATION STARTED : REMEDIAL ACTIONS TAKEN: NT

RESPONSIBLE PARTY INFORMATION

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

RP#2-CONTACT NAME: Ted Orden
 COMPANY NAME: n/a
 ADDRESS: P. O. Box 2099
 CITY/STATE: Houston, Tx. 77252

INSPECTOR VERIFICATION:

NAME _____	SIGNATURE _____	DATE _____
------------	-----------------	------------

DATA ENTRY INPUT:

Name/Address Changes Only			Case Progress Changes	
ANMPGMS _____	LOP _____	DATE _____	LOP _____	DATE _____

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

November 5, 1999

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

*PO# 26
over LOP*

**RE: Shell Service Station (STID # 3618)
5755 Broadway, Oakland, California 94618**

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: 5755 Broadway, Oakland, CA
November 5, 1999
Page 2 of 2

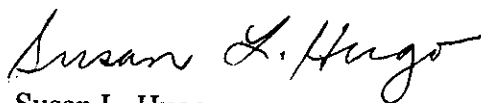
In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

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

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

Please call me at (510) 567-6780 should you have any questions about the content of this letter.

Sincerely,



Susan L. Hugo
Hazardous Materials Specialist

Attachments

cc: Chuck Headlee, RWQCB
SH / files

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

October 27, 1999

Mr. Gene Ortega
Exxon Company USA
P.O. Box 4032
2300 Clayton Road, Suite 1250
Concord, California 94524

RE: Exxon Service Station #7-0234 (STID # 519)
3450 35th Avenue, Oakland, California 94619

Dear Mr. Ortega:

This agency is currently reviewing the case file for the above referenced site for closure. Based on our review, it appears that methyl tertiary butyl ether (MTBE) has not been analyzed in soil and /or groundwater at the subject site. Before we can proceed with the case closure, the presence of MTBE in soil and /or groundwater should be evaluated.

In addition, as part of the closure document, a site conceptual model (SCM) should be submitted. The SCM should include at a minimum the following items:

- 1) local & regional plan view maps with location of sources, extent of contamination, direction & rate of groundwater flow, location of receptors
- 2) geologic cross-section maps with subsurface geologic features, man-made conduits, extent of contamination, etc.
- 3) plots of chemical concentration vs. time
- 4) plots of chemical concentration vs. distance from source
- 5) summary tables of chemical concentrations in different media
- 6) well-logs, boring-logs, well survey maps

If you have any questions regarding this letter or the subject site, please call me at (510) 567-6780.

Sincerely,

Susan L. Hugo
Hazardous Materials Specialist

c: Chuck Headlee, San Francisco Bay RWQCB
Janice Jacobson, Environmental Resolution, 73 Digital Drive; Novato, CA 94949
SH / files



Winston H. Hickox
Secretary for
Environmental
Protection

State Water Resources Control Board

Division of Clean Water Programs

2014 T Street • Sacramento, California 95814 • (916) 227-4366
Mailing Address: P.O. Box 944212 • Sacramento, California • 94244-2120
FAX (916) 227-4530 • Internet Address: <http://www.swrcb.ca.gov/~cwphome/ustcf>



Gray Davis
Governor

FAX MEMORANDUM

TO: Susan Hugo
(510) 337-9335

FROM: *Shari*
Shari Knieriem, (916) 227-4366, FAX (916) 227-4530
Claims Review Unit
UST CLEANUP FUND PROGRAM
DIVISION OF CLEAN WATER PROGRAMS
2014 T Street, Sacramento, CA 95814

DATE: September 9, 1999

SUBJECT: STID#s 467, 402, and 3618

You were not in the office when Sandy Gill and myself were at Alameda County on August 30th thru September 1st conducting compliance reviews in order to issue Letter of Commitments. I did the compliance review on STID# 3618. I left a copy of the compliance sheet for agency sign off with Tom Peacock. Please advise if you will be able to sign off that the claimant, Shell Oil, is in compliance or indicate if they are out of compliance and they will need a 90-day letter from the Fund. Please fax the signed compliance sheet to me at the above fax number.

Erlene of your office indicated STID#s 467 and 402 were assigned to you and she could not locate the files in order for me to do a compliance review. These claims are the lowest priority. However, I still need to do a compliance review on them. Please call me at your earliest convenience to discuss the claim. Thank you, Shari Knieriem

Alameda County Environmental Health

1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
Telephone (510) 567-6700 FAX (510) 337-9335

FACSIMILE COVER SHEET

TO: SHARI KNIEREM (CLAIMS REVIEW UNIT)

FROM: SUSAN HUGO

DATE: 9/17/99

Total number of pages including cover sheet 2

-NOTES- SHARI - sorry for the delay -
I was out of the office for over a week due
to some injury. Regarding STID 3618-
MTBE in groundwater has to be investigated.
I'm writing a letter requesting for a
workplan. Please call me at (510) 567-6788
if you have any questions.

faxdoc.doc/n.arreguin/5-11-98

Thanks.
Susan Hugo

D

STID # 2618



Claim No: 4949	Claimant Name: Shell Oil Site Address: 5755 Broadway
-------------------	---

Compliance Documentation	
Date	Corrective Action Performed
1985 -	Site map shows three USTs located at the site. Application does not state that the USTs have been removed. There was a tank replacement project in 1985. Apparently there were some dissolved hydrocarbon in the water at the time of the tank replacement, but no action was taken. In Feb. 1989 it looks like there was an attempt to investigate the old details and perform a site assessment if necessary.
2/89	A Jan. 1990 Status Report states there was one soil boring drilled and one monitoring well installed in July 1985 after the tank replacement. Supposedly relatively small concentrations of TPTG were detected in the soil and groundwater.
9/89	A site assessment was performed.
	Site was placed in the LOP in 1992.
8-20-88	Alameda Co letter - report of failed tank test - investigation report due 30 days
9-11-88	Letter from Shell Oil Co - tank passed test report erroneous
	Quarterly Reports from 1-12-90
6-10-93	Soil Sampling + Sanitary Sewer Upgrade
5-17-97	1st Qtr 1997 Monitoring Report
8-27-98	Reviewed Qtrly Monitoring Report

Continued on Reverse

Confirmation of Corrective Action Compliance			
<input type="checkbox"/>	Claimant in Corrective Action Compliance	<input type="checkbox"/>	Lead Agency will send letter
<input checked="" type="checkbox"/>	Claimant NOT in Corrective Action Compliance - 90 Day Letter Required	<input type="checkbox"/>	(Send copy to Fund w/in two weeks)
Caseworker SUE HUSO	<input type="checkbox"/>	Fund will send letter	<input type="checkbox"/>
<u>Susan F. Huso</u>	Lead Agency Signature	9/3/99	Date
<u>Shari Knierim</u>	Claims Reviewer Signature	9/1/99	Date
		9/1/99	Date of Detailed Review

COM No.	REMOTE STATION	START TIME	DURATION	PAGES	RESULT	USER ID	REMARKS
213	916 227 4530	09-17 17:18	01' 01	02/02	OK		

7499402045

Alameda County Environmental Health

1131 Harbor Bay Pkwy., #250
 Alameda CA 94502-6577
 Telephone (510) 567-6700 FAX (510) 337-9335

FACSIMILE COVER SHEET

TO: SHARI KNIEREM (CLAIMS REVIEW UNIT)

FROM: SUSAN HUGO

DATE: 9/17/99

Total number of pages including cover sheet 2

-NOTES- SHARI - sorry for the delay -
I was out of the office for over a week due
to some injury. Regarding STID 3618-
MTBE in groundwater has to be investigated.

C A M B R I A

ENVIRONMENTAL
PROTECTION

August 17, 1999

99 AUG 20 PM 3:37

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

Re: **Quarterly Status Report - Second Quarter 1999**
Shell-branded Service Station
5755 Broadway
Oakland, California
Incident No. 98995756



Dear Ms. Hugo:

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

Current Quarter's Activities

No remedial activities are planned for this site for the second quarter of 1999.

Proposed Activities

No activities are planned through the fourth quarter of 1999.

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

Sincerely,

Cambria Environmental Technology, Inc.


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

Oakland, CA
Sonoma, CA
Portland, OR
Seattle, WA

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

**Cambria
Environmental
Technology, Inc.**

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

C A M B R I A

ENVIRONMENTAL
PROTECTION

00 APR 24 PM 4: 31

April 13, 2000

Ms. Susan Hugo
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Certified List of Record Fee Title Holders for:**
Shell-branded Service Station
5755 Broadway
Oakland, California
Incident #98995756

ROT# 26



Dear Ms. Hugo:

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.

Zimskigutman Enterprises, 6046 Lawton, Oakland, CA 94618-1803

Sincerely,

Diane Lundquist, P.E.
Principal Engineer

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869
Zimskigutman Enterprises, 6046 Lawton, Oakland, CA 94618-1803

↓ new RP

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

white - env. health
yellow - facility
pink - files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

II, III

Site ID # 3618 Site Name Shell Service Station Today's Date 11/20/97

Site Address 5755 Broadway

City Oakland Zip 94618 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?
Inspection Categories:
I. Haz. Mat/Waste GENERATOR/TRANSPORTER
II. Hazardous Materials Business Plan, Acutely Hazardous Materials
III. Under ground Storage Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments: On site for investigation of a reported release in one dispenser (pump island #5 & #6). Leak detected on 11/5/97 during routine ~~Shell~~ inspection by Shell. Leaking dispenser line repaired.

Met Anna Mattis (Shell), Marlene Feliciana (Comberia) & Bryan Bonapour (Operator). Dispenser that leaked was checked. No leak observed.

This site has a high MTBE concentration in the down gradient well. Need to submit a work plan to define the extent of the MTBE plume.

Contact To file
Title _____
Signature _____

Inspector _____
Signature Susan L. Hugel

II, III

Rob?

To: ~~Pam Evans~~
 Organization: Alameda County Department of
 Environmental Health
 Telephone No.: (510) 567-6770
 Facsimile No.: (510) 337-9335
 Re: Shell Service Station
 5755 Broadway, Oakland
 WIC #204-5510-0303
 Date: November 6, 1997
 Pages: 1, including this cover sheet.

FACSIMILE

Pam,

Cambria Environmental Technology, Inc. (Cambria) has prepared this facsimile to notify you of a minor leak detected in one dispenser at the above-referenced Shell station. The leak was detected yesterday, November 5, during a routine Shell site inspection. Shell immediately contacted Service Station Systems to investigate the leak. At this time, Service Station Systems has stopped the leak and repaired the leaking dispenser line.

Please do not hesitate to call me at 510-420-3320 if you have any questions or comments.

Khaled

cc: Lisa Maglines, Shell Oil Products Company, (510) 335-5016
 Aura Mattis, Shell Oil Products Company, (510) 335-5029
 Alex Perez, Shell Oil Products Company, (510) 335-5029

*11/12/97 left message to Cambria re: update on leak
 11/13/97 Talked to Marnie Feintzman (Cambria) - no drip
 from dispenser - leaked onto gravel; got the
 very shallow at site. scheduled site visit
 on 11/18/97 @ 10 AM*

From the desk of...

Khaled Rahman, R.G., C.H.G.
 Senior Geologist
 Cambria Environmental Technology, Inc.
 1144 65th Street, Suite C
 Oakland, CA 94608

Telephone: (510) 420-3320
 Facsimile: (510) 420-9170

 CAMBRIA

ENVIRONMENTAL
PROTECTION
November 5, 1997
97 NOV 25 AM 9:40

Susan Hugo
Alameda County Department
of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: **Sampling Frequency Reduction Request**
Shell Service Station
5755 Broadway
Oakland, California
WIC #204-5510-0303
Cambria Project #240-483

Dear Ms. Hugo:

On behalf of Shell Oil Products Company, Cambria Environmental Technology, Inc. (Cambria) is submitting this request for a reduction in the sampling frequency at the site referenced above.

Based on current site conditions and more than six years of ground water monitoring data, we believe reductions in the monitoring well sampling frequencies are warranted. The proposed sampling frequency reductions (SFRs) are presented in the attached table. Analytical results for ground water and a monitoring well location figure are included in the enclosed *Third Quarter 1997 Monitoring Report*. We will implement these SFRs beginning in the first quarter of 1998 unless otherwise directed by your office.

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

Sincerely,
Cambria Environmental Technology, Inc.



Maureen D. Feineman
Staff Geologist



Khaled B. Rahman, R.G., C.H.G.
Senior Geologist

cc: A.E. (Alex) Perez, Shell Oil Products Company, P.O. Box 8080, Martinez, California 94553

F:\PROJECTSHELL\OAKS755\SFR.WPD

CAMBRIA
ENVIRONMENTAL
TECHNOLOGY, INC.
1144 65TH STREET,
SUITE B
OAKLAND,
CA 94608
Ph: (510) 420-0700
Fax: (510) 420-9170

PROPOSED WELL SAMPLING FREQUENCIES
Shell Service Station, WIC #204-5510-0303
5755 Broadway, Oakland, California

Monitoring Well ID	Current Sampling Frequency	Proposed Sampling Frequency	Justification
S-1	Quarterly	Annually (1 st qtr)	Low, stable hydrocarbon concentrations for six years
S-2	Quarterly	Semi-annually (1 st and 3 rd qtrs)	Decreasing hydrocarbon and stable MTBE concentrations
S-3	Quarterly	Annually (1 st qtr)	Low, stable hydrocarbon concentrations for six years

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

Hazardous Materials Inspection Form

II, III

Site ID # 3618 Site Name Broadway Shell Today's Date 1/29/97
Site Address 5755 Broadway
City Oakland Zip 94618 Phone 547-4101

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
 II. Hazardous Materials Business Plan, Acutely Hazardous Materials
 III. Under ground Storage Tanks

Page 1 of 2

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

Today's inspection was the result of a complaint regarding a leaking tank or piping system that results in accumulation of floating gasoline and possibly vapors. The complainant described the problem as particularly noticeable during heavy rains when pump trucks are seen removing fluids from the tank area.

A records review shows that this site has 3 USTs, double-walled fiberglass tanks with interstitial monitoring (brine filled interstice). There are single-walled pipes (fiberglass) equipped with a line leak detector. There are records in the file showing tests of lines & monitoring devices for '96, '95, '93 and before. I did not find a '97 test report. File also shows that the line leak device has "fail safe" automatic shut off. Also, a permit to operate the tanks was issued 2-1-94, good through 12/2/98. According to the permit applications, these tanks have no overfill prevention equipment. There are monitoring wells onsite.

Also, in December, 1992, there was an emergency response at the site involving release of product & vapors. Apparently, this release was mitigated & a new line leak detector was installed in early 1993.

Contact Sign Langford
Title _____
Signature [Signature]

Inspector _____
Signature [Signature]

II, III

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

Hazardous Materials Inspection Form

II, III

Site ID # 3618 Site Name Broadway Shell Today's Date 1/29/97
Site Address 5755 Broadway
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Page 2 of 2

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

Today I observed the following with the cooperation of Bijan Banapur, station manager

- ① Dispenser areas - looks like minor dripping around fittings in 516 pumps (slight odor) others look OK - No dispenser ~~panels~~ shut off is electrical + integral to the control.
- ② Sumps - ~~Overfill~~ There is an overfill device for each fill tube, but not hooked to an alarm turbine - These have the line leak detector in them. It looks like there's about a 5 gallon bucket in the fill sump, made of metal. Some are a bit corroded.

- ③ Monitoring Wells - These (there are four) are what the manager says is being pumped during rain. The groundwater level is very shallow (sometimes within 2 feet) + can overflow in heavy rains. A monitoring system exists for the wells - if the level goes up, the system will automatically call a pumping service that comes within a few to 24 hours to lower the level in the wells.

Contact Bijan Banapur
Title _____
Signature [Signature]

Inspector _____
Signature Pamela J. Evans

567-6770

II, III

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

Stid 776

April 27, 1999

Mr. Philip R. Briggs
Chevron Product Company
Site Assessment & Remediation
6001 Bollinger Canyon Road
Building L, Room 1110
PO Box 6004
San Ramon, CA 94583-0904

RE: Chevron Service Station # 9-0504 at 15900 Hesperian Blvd., San Lorenzo, CA

Dear Mr. Briggs:

I have received and reviewed your proposal to remove the existing groundwater extraction system located at the above referenced site. Your proposal is acceptable. However, this office has not yet received the groundwater monitoring report due in March.

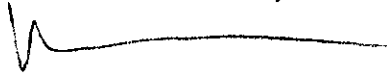
In addition, per our conversation and my letter dated December 23, 1998, you need to perform the EPA method 8260 in order to rule out the false positive for MTBE level and to test for the presence of other oxygenated contaminants such as those of TAME, DIPE, ETBE, TBA, EDB, and EDC at least once to ensure absence of the indicated constituents per Cal /EPA and Regional Water Quality Control Board (RWQCB) guidelines.

Please submit the next groundwater sampling analysis within 30 days from the date of this letter.

This is a formal request for technical information and hence any delays should be requested in writing.

If you have any questions, please call me at (510) 567-6876.

Sincerely,

A handwritten signature in black ink, appearing to read 'Amir K. Gholami', with a long horizontal flourish extending to the right.

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Deanna L. Harding, Project Coordinator, Gettler-Ryan Inc., 7647 Sierra Court, Suite J,
Dublin, CA 94568
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

April 18, 1996

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

DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510)567-6700

RE: Shell Oil Company Sites

Dear Mr. Granberry:

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

<u>STID#</u>	<u>Site Name</u>	<u>Address</u>
3670	Melina Albany Shell	999 San Pablo Avenue, Albany
814	Bay Super Shell	1800 Powell Street, Emeryville
381	Shell Oil Company	3420 San Pablo Ave., Oakland
3613	Former Shell Oil	500 40th Street, Oakland
413	Pill Hill Shell	2800 Telegraph Ave., Oakland
3673	Shell Service Station	230 W MacArthur Blvd., Oakland
3618	Broadway Shell	5755 Broadway, Oakland R026

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

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

Sincerely,

Susan L. Hugo
Senior Hazardous Materials Specialist

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

ENVIRONMENTAL
PROTECTION



Chevron

99 APR -8 PM 2: 35

April 6, 1999

Chevron Products Company
6001 Bollinger Canyon Road
Building L, Room 1110
PO Box 6004
San Ramon, CA 94583-0904

Mr. Amir K. Gholami, REHS
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

ST12
776

Philip R. Briggs
Project Manager
Site Assessment & Remediation
Phone 925 842-9136
Fax 925 842-8370

**Re: Chevron Service Station #9-0504
15900 Hesperian Blvd., San Lorenzo, California**

Dear Mr. Gholami:

This is to advise your office that Chevron is proposing to remove the existing ground water extraction system that is presently located at the above noted site.

From reviewing the past history of the system, it operated for about two years from August 1992 until July 1994 and was to provide hydraulic containment to that provided by the natural geologic formation. The system removed and treated 1,290,430 gallons of water while the quantity of petroleum hydrocarbons removed is estimated at only 3 to 4 gallons.

BE:KRW

Submit
10/22/97
to R. Briggs
17/2 cond.

It appears that the system achieved its objective of containment based on the existing ground water monitoring results and therefore, the system is no longer needed.

If you have any questions or concerns to Chevron's proposal to remove the system, please call me at (925) 842-9136. If a response is not received within thirty days it will be assumed that the removal is acceptable by your office.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manger

April 6, 1999
Mr. Amir Gholami
Chevron Service Station #9-0504
Page 2

Cc. Mr. Bill Scudder, Chevron

Mr. Ron Sykora
David E. Bohannon Organization
60 Hillsdale Mall
San Mateo, CA 94403



gettler — ryan inc.

FACSIMILE COVER SHEET

TO: Ms. Susan Hugo

COMPANY: Alameda County Health

FROM: Jeff Ryan

DATE: 2/26/93

RE: Sample results

COMMENTS: Please review & advise me of your decision. We would like to stop monitoring for the weekend if it is possible. Thank you

*camera
1/24
OK I'd stop monitoring
but need to resample
if any more
here*

4 pages including cover.

IF THERE ARE ANY PROBLEMS WITH THIS TRANSMISSION, PLEASE CALL (510) 783-7500.



SEQUOIA ANALYTICAL

650 Chesapeake Drive • Redwood City, CA 94063
(415) 384-9800 • FAX (415) 384-9233

Gettler Ryan
2150 W. Winton Avenue
Hayward, CA 94546
Attention: Bob Lauritzen

Project: 2860.02, Shell - Oakland

Enclosed are the results from 1 water sample received at Sequoia Analytical on February 25, 1993. The requested analyses are listed below:

SAMPLE #	SAMPLE DESCRIPTION	DATE OF COLLECTION	TEST METHOD
3859701	Water, 88-1	2/25/93	EPA 6030/8015/8020

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9800 • FAX (415) 364-9233

Gettler Ryan 2160 W. Winton Avenue Hayward, CA 94545 Attention: Bob Lauritzen	Client Project ID: 2850.02, Shell - Oakland Sample Matrix: Water Analysis Method: EPA 803D/8015/8020 First Sample #: 3889701	Sampled: Feb 25, 1993 Received: Feb 25, 1993 Reported: Feb 26, 1993
--	---	---

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/L	Sample I.D. 3889701 SS-1	Sample I.D.	Sample I.D.	Sample I.D.	Sample I.D.	Sample I.D.
Purgeable Hydrocarbons	0.050	0.087					
Benzene	0.00050	0.0056					
Toluene	0.00050	0.0078					
Ethyl Benzene	0.00050	0.0021					
Total Xylenes	0.00050	0.015					
Chromatogram Pattern:		Gas					

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Analyzed:	2/26/93
Instrument Identification:	GCHP-7
Surrogate Recovery, %: (QC Limits = 70-130%)	95

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analyses reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

[Signature]
Vokowhet D. Herrera
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
 (415) 364-9600 • FAX (415) 364-8233

Gettler Ryan 2160 W. Winton Avenue Hayward, CA 94545 Attention: Bob Lauritzen	Client Project ID: 2860.02, Shell - Oakland QC Sample Group: 3BB9701	Reported: Feb 26, 1993
--	---	------------------------

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8020	EPA 8090	EPA 8090	EPA 8020
Analyst:	B.Ali	B.Ali	B.Ali	B.Ali
Reporting Units:	mg/L	mg/L	mg/L	mg/L
Date Analyzed:	Feb 25, 1993	Feb 25, 1993	Feb 25, 1993	Feb 25, 1993
QC Sample #:	G3BB2402	G3BB2402	G3BB2402	G3BB2402
Sample Conc.:	0.0072	N.D.	N.D.	N.D.
Spike Conc. Added:	0.010	0.010	0.010	0.030
Conc. Matrix Spike:	0.017	0.011	0.011	0.034
Matrix Spike % Recovery:	98	110	110	113
Conc. Matrix Spike Dup.:	0.019	0.012	0.012	0.038
Matrix Spike Duplicate % Recovery:	120	120	120	130
Relative % Difference:	11	8.7	8.7	11

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
 Nokowhat D. Herrera
 Project Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$



DATE	2/23/93	JOB NO	PX0212793
ATTENTION	Susan L Hugo		
RE	Taft + Broadway S/S Replacement		

TO Alameda County Health Agency
 80 Swan Way Rm 350
 Oakland, CA 94621

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:

- Shop drawings
- Prints
- Plans
- Samples
- Specifications
- Copy of letter
- Change order
- Test Results

COPIES	DATE	NO	DESCRIPTION
1	2/19/93	1	Air Test Results

THESE ARE TRANSMITTED as checked below:

- For approval
- For your use
- As requested
- For review and comment
- FOR BIDS DUE _____ 19 _____
- Approved as submitted
- Approved as noted
- Returned for corrections
- Resubmit _____ copies for approval
- Submit _____ copies for distribution
- Return _____ corrected prints
- PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

COPY TO _____

SIGNED Jamie Ramsey



Environmental and Geologic Services

5500 Shellmound Street, Emeryville, CA 94608-2411

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

FAX TRANSMITTAL

DATE: 2-19-93

TO: SUSAN HUBO

FAX PHONE: 569-4757

COMPANY: ACDEM

BUSINESS PHONE: 271-4320

FROM: DAVID ELIAS

PROJECT #: 81-619-08

SUBJECT: SHELL

PAGES

5755 BROADWAY

(including this cover)

SAMPLE ANALYTICS

Hard Copy to follow if checked

COMMENTS & ACTIONS REQUIRED:

HERE ARE ANALYTIC RESULTS
AND A SAMPLE LOCATION
MAP.

PLEASE CALL W/QUESTIONS

NOTE: Please call PAUL at (510) 547-5420 if you do not receive all pages

A Division of AguaTierra Associates Incorporated



Weiss Associates

Environmental and Geologic Services

5500 Shellmound Street, Emeryville, CA 94608-2411

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

FAX TRANSMITTAL

DATE: 2-17-93

TO: SUSAN HUGO

FAX PHONE: 569-4757

COMPANY: ACDEH

BUSINESS PHONE: 271-4320

FROM: DAVID ELIAS

PROJECT #: 81-619-08

SUBJECT:

SANITARY SEWER
LINE TEST.# PAGES 1
(including this cover) Hard Copy to follow
if checked

COMMENTS & ACTIONS REQUIRED:

BETTLER-RYAN AND THE CITY
OF OAKLAND WILL BE TESTING
THE NEW SANITARY SEWER LINE
TOMORROW 2/18/93 AT
2:00 P.M.

thanks!

NOTE: Please call PAUL at (510) 547-5420 if you do not receive all pages



NATIONAL ENVIRONMENTAL TESTING, INC.

NET Pacific, Inc. 435 Tesconi Circle Santa Rosa, CA 95401 Tel: (707) 526-7200 Fax: (707) 526-9823

David Elias Weiss Associates 5500 Shellmound St. Emeryville, CA 94608

Date: 02/16/1993 NET Client Acct. No: 1809 NET Pacific Job No: 93.00420 Received: 02/06/1993

Client Reference Information

SHELL, 5755 Broadway, Oakland, WA Job: 81-619-08

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services

Approved by:

Jules Skamarack Laboratory Manager (with signature and initials)

Enclosure(s)



Weiss Associates

5500 Shellmound Street, Emeryville, CA 94608-2411

Environmental and Geologic Services

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

93 FEB 16 PM 1:38

February 11, 1993

Jennifer Eberle *Susan*
Alameda County Department of
Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621-1426

3618

Re: Shell Service Station
WIC #204-5510-0303
5755 Broadway
Oakland, California 94606
WA Job #81-619-203

Dear Ms. Eberle:

This letter describes recently completed and anticipated activities at the Shell service station referenced above (Figure 1). This status report satisfies the quarterly reporting requirements prescribed by California Administrative Code Title 23 Waters, Chapter 3, Subchapter 16, Article 5, Section 265.d. Included below are descriptions and results of activities performed in the fourth quarter 1992 and proposed work for the first quarter 1993.

FOURTH QUARTER 1992 ACTIVITIES:

- EMCON Associates of San Jose, California measured ground water depths and collected ground water samples from the three site wells. EMCON's report describing these activities and presenting the analytic results for ground water is included as Attachment A.
- Weiss Associates (WA) used EMCON's ground water elevation calculations to prepare a ground water elevation contour map (Figure 2).

A summary of recent remedial action taken in response to a recent hydrocarbon release is presented below.



a day using a lower explosive limit meter. From December 22, 1992 until January 13, 1993, hydrocarbon vapors did not exceed 2% of the lower explosive limit. Since hydrocarbon concentrations in a recent water sample of the effluent in the sanitary sewer piping were below allowable limits, the Alameda County Department of Environmental Health approved of monitoring three times per day instead of continuously.

Sanitary Sewer Piping Replacement: To ensure that no additional floating hydrocarbons enter the sanitary sewer piping from this or future hydrocarbon releases, G-R will remove the existing sanitary sewer piping and replace it with piping that is resistant to hydrocarbon penetration. The section of the sanitary sewer that will be replaced is shown on Figure 2.

ANTICIPATED FIRST QUARTER 1993 ACTIVITIES:

- WA will submit a report presenting the results of the first quarter 1993 ground water sampling and ground water depth measurements. The report will include tabulated chemical analytic results and a ground water elevation contour map.
- WA will collect soil samples while assisting Gettler-Ryan Inc., a Shell subcontractor with the sanitary sewer line upgrade. Based on the analytic results for the soil samples from the southernmost/downgradient extent of the sanitary sewer line trench, we may collect soil vapor and/or soil samples further downgradient to assess the downgradient extent of hydrocarbons.
- WA will observe the installation of a horizontal ground water extraction well in the sanitary sewer excavation at a depth of about 12 ft, and
- WA will prepare a brief subsurface investigation report documenting the work.

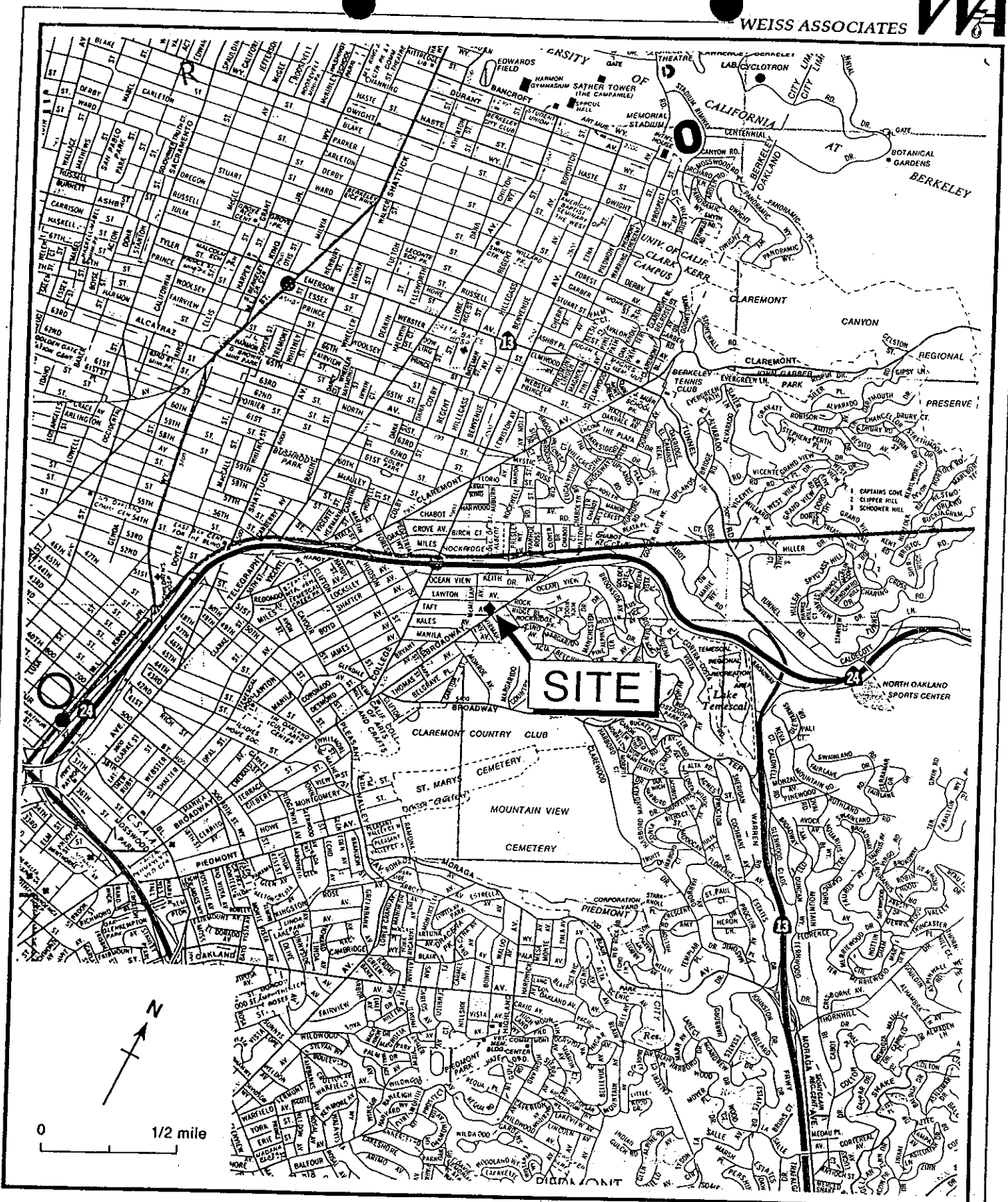


Figure 1. Site Location Map - Shell Service Station WIC #204-5510-0303, 5755 Broadway, Oakland, California

**Weiss Associates***Environmental and Geologic Services*

5500 Shellmound Street, Emeryville, CA 94608-2411

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

FAX TRANSMITTAL**CONFIDENTIALITY NOTICE**

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TO: Susan Hugo**FAX PHONE:** 569-4757**COMPANY:** ACDEH**BUSINESS PHONE:** 271-4530**DATE:** February 12, 1993**FROM:** Scott MacLeod**PROJECT #:** 81-619-08**SUBJECT:** 5755 Broadway, Oakland**# OF PAGES:** 1
(including this cover) **Hard copy to follow if checked****COMMENTS & ACTIONS REQUIRED:**

Susan,

Just a quick update on our status at the site referenced above. The trench sampling should be completed today. Based on field indications and PID readings, hydrocarbon concentrations are lower in soil from sanitary sewer trench than were detected in the onsite trenches. The concentrations also appear to decrease rapidly once we drop below the water table in the sanitary sewer trench. David Elias is collecting several soil samples from below the water table to confirm this. We will send you a copy of the analytic results and a map showing sample locations as soon as David Elias returns from the field. Please don't hesitate to call if you have any questions or comments.

cc: Dan Kirk, Shell Oil Company
David Elias, Weiss Associates

Please call _____ at (510) 547-5420 if you do not receive all pages.



Weiss Associates

Environmental and Geologic Services

5500 Shellmound Street, Emeryville, CA 94608-2411

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

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STP 3618

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TO: Susan Hugo

FAX PHONE: 569-4757

COMPANY: ACDEH

BUSINESS PHONE: 271-4530

DATE: February 5, 1993

FROM: Scott MacLeod

PROJECT #: 81-619-08

SUBJECT: 5755 Broadway, Oakland

OF PAGES: 1
(including this cover)

Hard copy to follow if checked

COMMENTS & ACTIONS REQUIRED:

Susan,

As you are aware, a lot of activity took place at the Shell site referenced above during the last weeks of December. We are currently adding a summary of the events and a brief discussion of our upcoming work to our quarterly status report for the site. We anticipate that the 4th quarter 1992 status report will be submitted shortly. Please don't hesitate to call if you have any questions or comments.

*Preliminary samples - for disposal
1/5/93*

cc: Dan Kirk, Shell Oil Company

Please call _____ at (510) 547-5420 if you do not receive all pages.

(510) 450-6135

*29 ppm TPH
100 ppb*


Weiss Associates

5500 Shellmound Street, Emeryville, CA 94608-2411

Environmental and Geologic Services

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

FAX TRANSMITTAL

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TO: Susan Hugo

FAX PHONE: 569-4757

COMPANY: ACDEH

BUSINESS PHONE: 271-4530

DATE: February 2, 1993

FROM: Scott MacLeod

PROJECT #: 81-619-08

SUBJECT: 5755 Broadway, Oakland

 # OF PAGES: 1
(including this cover)

___ Hard copy to follow if checked

COMMENTS & ACTIONS REQUIRED:

Susan, as we discussed yesterday during our site meeting, Weiss Associates will have a representative onsite this afternoon to collect preliminary soil samples from the existing trenches on site. We will analyze the samples for total petroleum hydrocarbons as gasoline (TPH-G) and benzene, ethylbenzene, toluene and xylenes (BETX) to assess whether the floating hydrocarbons recently detected at the site have impacted site soils. The samples will be collected, transported and analyzed in accordance State and local guidelines. Please call if you have any questions.

*12/29/93 3-4:00 /
onsite met David Elias
collected preliminary soil samples on the
existing trenches at the soil/water interface
to determine if further excavation is warranted.*

Please call _____ at (510) 547-5420 if you do not receive all pages.



gettler — ryan inc.

general contractors

January 14, 1993

Mr. Larry Seto
Alameda County Health Agency
80 Swan Way
Oakland, CA

Reference: Shell Service Station
5755 Broadway
Oakland, CA

Enclosed please find the additional information you requested regarding the above referenced location.

On January 4, 1993 Gettler-Ryan Inc. replaced the defective Red Jacket leak detector on the RU-2000 discharge line with a new Red Jacket model #XLD p.l.d.

Shell Oil Company has given Gettler-Ryan Inc. approval to remove the existing line monitoring system (Red Jacket) and install a new Ronan positive line monitoring system. The system is to be installed within the next two weeks.

Please feel free to contact me should you have any questions or comments.

Very truly yours,

Dennis Gan

DG/md

cc: Mr. Ray Newsome - Shell Oil Company

Shell Oil Company



P. O. Box 5278
Concord, CA 94520-9998
(510) 675-6165

JANUARY 14, 1993

ALAMEDA COUNTY HEALTH CARE SERVICES
DEPARTMENT OF ENVIRONMENTAL HEALTH
DIVISION OF HAZARDOUS MATERIALS
80 SWAN WAY, RM. 200
OAKLAND, CA 94621
ATTN: SUSAN L. HUGO

SUBJECT: SHELL SERVICE STATION
5755 BROADWAY
OAKLAND, CA 94618

Dear Ms. Hugo:

The following is a summary of the meeting January 13, 1993, to address the investigation at the above mentioned site. The attendees included: Susan L. Hugo - Alameda County Health Agency, Larry Seto - Alameda County Health Agency, Dan Kirk - Shell Oil Company, Jeff Baur - Shell Oil Company, Jeff Ryan - Gettler-Ryan (Shell Contractor), Denny Gan - Gettler-Ryan (Shell Contractor), Scott MacLeod - Weiss Associates (Shell Consultant).

1. Gettler-Ryan updated the group on the investigation from initial response to present time. They also explained in detail the testing and repair of the suspected problem area. Shell proposed to install positive line leak detectors to upgrade the present product lines.

Action Items:

Gettler-Ryan will send information pertaining to proposed leak detectors and a letter explaining the repairs to the current leak detector system to Larry Seto.

2. Larry Seto requested a sample be taken from the sewer line that is currently being monitored 24 Hrs a day.

Action Items:

Gettler-Ryan will take a sample of the water in the line. The sample will be tested and if it does not contain high amounts of purgeable hydrocarbons or BTEX, then; Susan Hugo will approve the reduction of monitoring of the sewer line for gasoline to twice per day.

3. Susan Hugo and Larry Seto requested a copy of Shells correspondence to date be forwarded to them.

Action Item:

Shell will send a copy of the letters to them.

4. The group explained how the sewer line construction would complete the repairs of the facility's operation. Also, we discussed the difficulty in getting approval from the City of Oakland to make the repairs on the line.

Action Item:

Susan Hugo would assist Gettler-Ryan in getting necessary permits to make repairs on the city sewer line.

5. Susan Hugo requested a general workplan be prepared by January 20, 1993. The plan will include a chronology of events for the site, description of repairs to the sewer line, and a timeline for the repairs.

Action Item:

Shell will complete the workplan and forward it to Susan Hugo for review.

If you have any questions please call me at (510) 675-6168.

Thank you,

D.T. Kirk

D. T. Kirk
Environmental Engineer
Shell Oil Co.

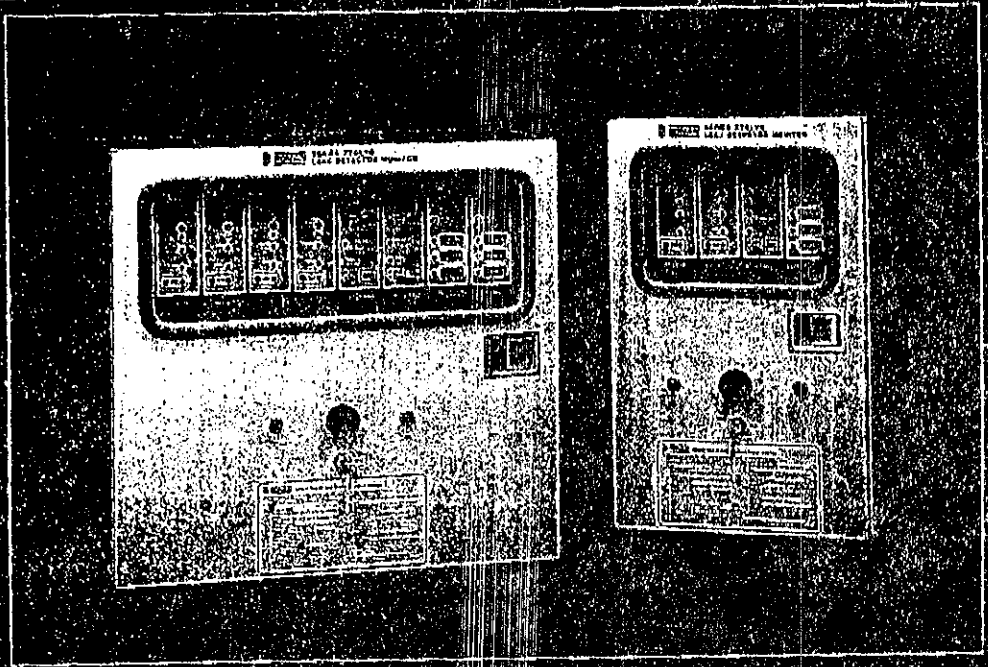
cc: Larry Seto, Alameda County Health Agency
Jeff Baur, Shell Oil Company
Jeff Granberry, Shell Oil Company
Lisa Waters, Shell Oil Company
Jeff Ryan, Gettler-Ryan
Denny Gan, Gettler-Ryan
Scott MacLeod, Weiss Associates

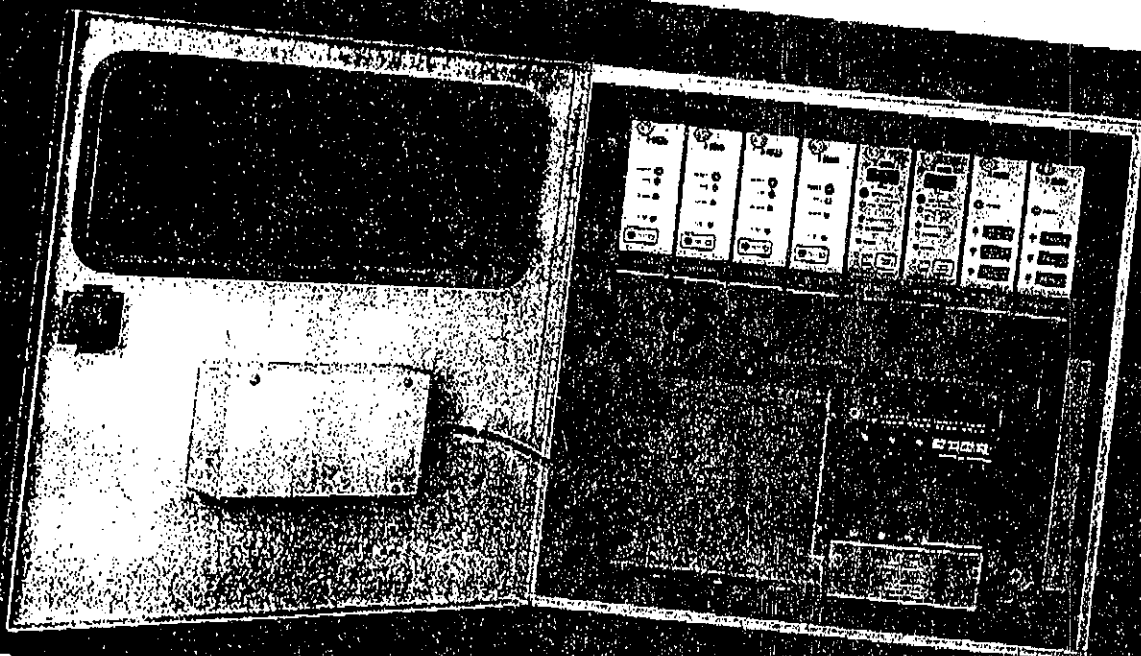
bcc: P. J. Pugnale, Manager Environmental Engineering, West
R. S. Kovacavich - District Manager, East Bay District

SERIES X76LVC LEAK DETECTION SYSTEM



 **RONAN**





SERIES X76LVC LEAK DETECTION SYSTEM

Federal and State Laws require that all underground hazardous material storage facilities be monitored for leaks to prevent contamination of the soil and seepage into the water table. To comply with these laws different approaches may be taken to assure the detection of these leaks. Ronan's approach monitors the facilities continuously in all critical areas and complies with the EPA recognized methods of external leak detection. The equipment has found an exceptionally high level of acceptance by the cognizant agencies and major oil companies.

The Series X76 Systems have successfully been in operation for many years in gasoline stations, airport fueling facilities, transit systems, military and other government installations, emergency generating facilities for hospitals, high rise buildings, fire pumps, etc. The systems' main application which monitors hydrocarbons, such as gasoline and fuel oil, has been expanded to include chemicals and cleaning fluids.

System Description

The Series X76LVC is designed to monitor liquid level, vapor density, pressure and hydrostatic pressure. The system generates an alarm and may shut down specific facilities if preset parameters are exceeded. The microprocessor based system provides visual and audible alarms, self-diagnostics and sensor failure indication, fail-safe shutdown and auxiliary switch outputs for communications to a facility's remote displays.

The liquid level sensors will indicate presence of liquids in the annular space of double-wall tanks, secondary containment pipes, manhole or caisson compartments and in-tank high level to prevent overflow.

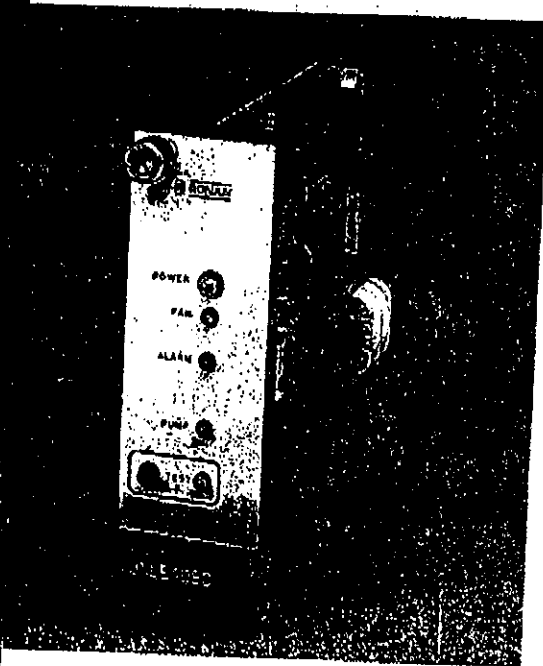
The vapor density, measured by the product's unique vapor transducer, is indicated on the appropriate plug-in module in parts per million (ppm) by means of a 4 1/2 digit LED display. The display not only indicates the initial background vapor density in a vadose well or the annulus of any secondarily contained vessel, but also monitors an increasing trend of vapor density. The self-contained display also provides the ability to set the alarm and shutdown setpoints without additional calibration equipment.

The pressure measurement utilized to monitor pressurized supply piping reads the pressure decay caused by a leak rate greater than 0.05 gph occurring between automatic test cycles (every 30 minutes).

A hydrostatic measurement is applied to the annulus of a double-wall tank by detecting a loss of pressure in the pressurized cavity or the loss of liquid level in a reservoir or the annulus of the tank.

The X76LVC System, housed in an attractive wall mounted NEMA Type 1 Enclosure, contains the intrinsically safe barrier interface to the transducers, a number of three channel alarm modules, vapor modules, and/or dispenser modules. The front door mounted audible alarm and the flashing alarm lights are acknowledged by the ACK button and functionally tested by means of the TEST pushbutton.

PRODUCT PIPE MONITORING



Line Leak Monitor/Model X76DM-4

The Model X76DM-4 Line Leak Monitor is designed to supervise pressurized product supply lines typically existing between underground tanks and above ground dispensers of products such as gasoline, diesel fuel, etc. The microprocessor based module provides timing sequences during which measurement of pressure decay and build-up are taken, LED status indication, test pushbuttons and remote fault indication relate system performance to the operator.

The Model X76DM-4A utilizes the JT-H1 measurement assembly in conjunction with a leak regulator manufactured by Red Jacket[®] or Tokheim[®].

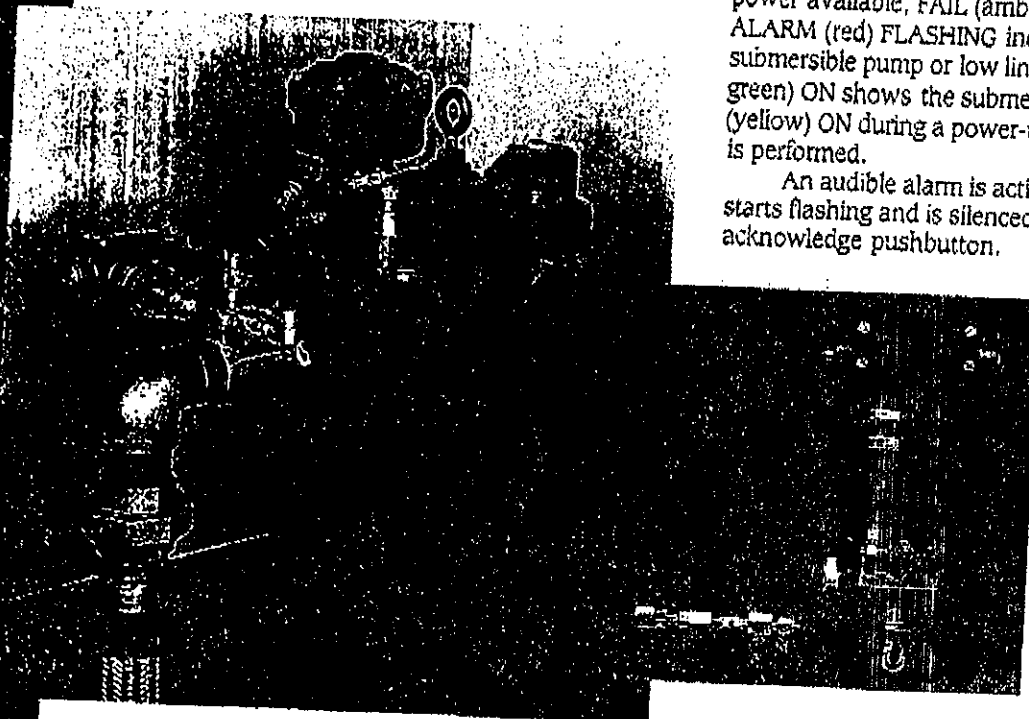
The Model X76DM-4A executes three basic automatic functions with manual initiation by the TEST pushbutton located on the front panel of the module. On a 30-minute interval, a test of the pressurized supply line is activated for a selectable time period to identify a leak of 0.05 gph or greater. This test is totally independent from the mechanical regulator and may be activated manually by the TEST button.

While the supply system is in the normal pumping mode, the line leak monitor module measures the supply line for low pressure due to a major leak occurrence. A pressure drop below the precalibrated value causes a complete product supply shutdown.

Between pumping demands the X76DM-4A monitors the supply line continuously for a leak rate of 0.5 gph or greater, identified by a pressure drop to less than 1 psi, arming the leak regulator to low flow condition. After 4 seconds, a complete product shutdown is executed and an audible/visual alarm is provided.

The five front panel mounted LED indicators provide status as follows: POWER (green) ON indicates power available, FAIL (amber) ON microprocessor failure, ALARM (red) FLASHING indicates shutdown of the submersible pump or low line pressure, PUMP (small green) ON shows the submersible pump running, TEST (yellow) ON during a power-up or whenever manual test is performed.

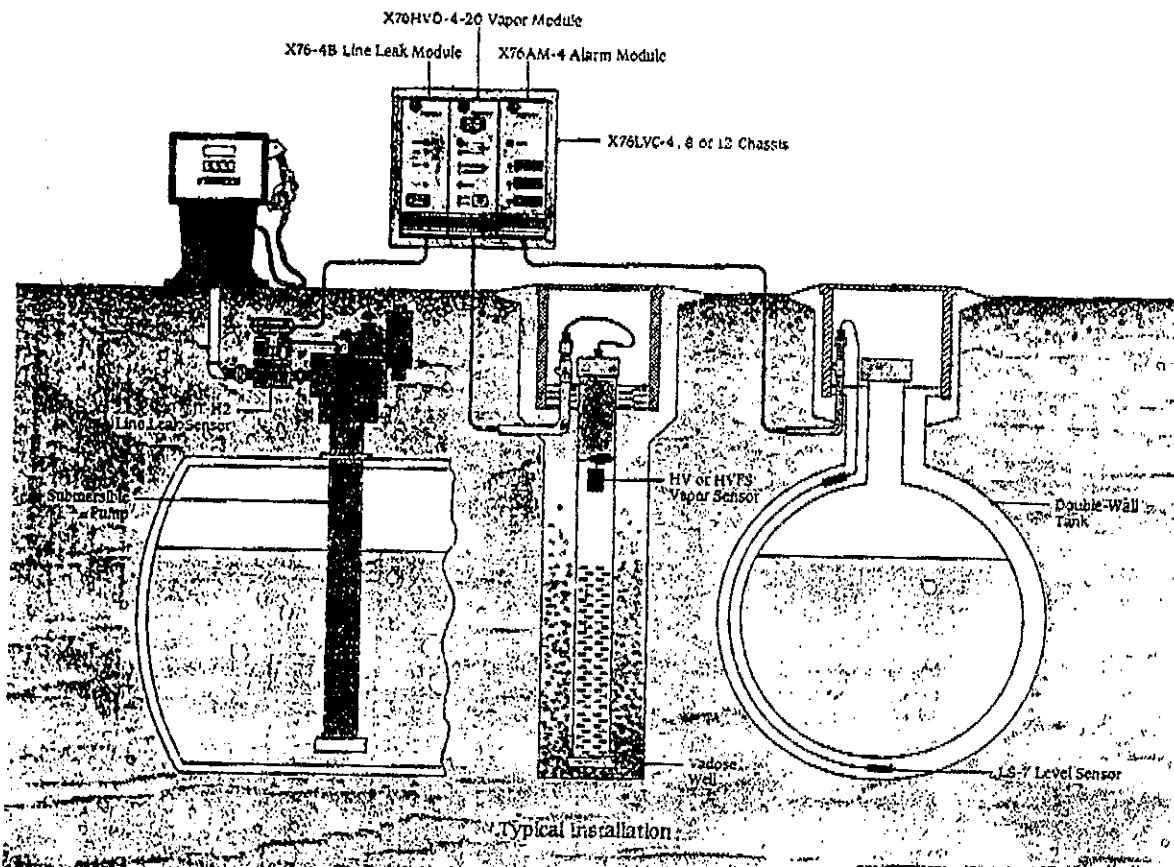
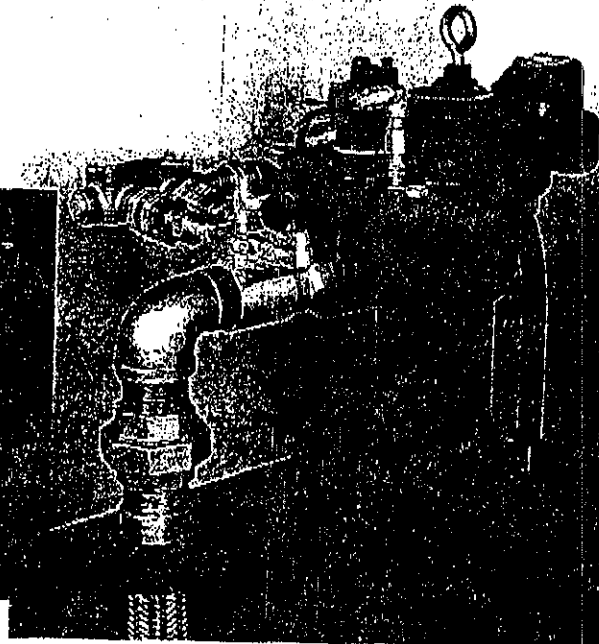
An audible alarm is activated when the alarm LED starts flashing and is silenced by the systems' acknowledge pushbutton.



PRODUCT PIPE MONITORING

The Model X76DM-4B utilizing the JT-H2 does not require the mechanical regulator. This state of the art approach to line leak detection provides the highest level of protection against leaking product into the ground for short or extended periods of time.

The X76DM-4B with the JT-H2 monitors the supply line similarly to the X76DM-4A with the additional feature that the product pump is inhibited in the low flow mode created by a leak rate of 0.5 gph or greater. Typically, applications with only mechanical regulators allow continuous pumping in the low flow mode with a leak rate of approximately 1.5 gph.



**Results of the Performance Evaluation
Conducted According to EPA Test Procedures**

**Pipeline Leak Detection System
Used as a
Line Tightness Test**

This form summarizes the results of an evaluation to determine whether the pipeline leak detection system named below and described in Attachment 1 complies with federal regulations for conducting a line tightness test. The evaluation was conducted according to the United States Environmental Protection Agency's (EPA's) evaluation procedure, specified in *Standard Test Procedures for Evaluating Leak Detection Methods: Pipeline Leak Detection Systems*. The full evaluation report includes seven attachments.

Tank system owners who use this pipeline leak detection system should keep this form on file to show compliance with the federal regulations. Tank system owners should check with state and local agencies to make sure this form satisfies the requirements of these agencies.

System Evaluated

System Name: X76 Series Line Leak Detector
 Version of System: X76 DM-4 Microprocessor and JT-H2 Line Pressure Sensor
 Manufacturer Name: Ronan Engineering
 (street address) 21200 Oxnard Boulevard
 (city, state, zip code) Woodland Hills, CA 91367
 (telephone number) (818) 883-5211

Evaluation Results

1. The performance of this system

(x) meets or exceeds

() does not meet

the federal standards established by the EPA regulation for line tightness tests.

The EPA regulation for a line tightness test requires that the system be capable of detecting a leak as small as 0.1 gal/h with a probability of detection (P_D) of 95% and a probability of false alarm (P_{FA}) of 5%.

2. The estimated P_{FA} in this evaluation is 3.7 % and the estimated P_D against a leak rate of 0.1 gal/h defined at a pipeline pressure of 45 psi (1.5 times the normal operating pressure) in this evaluation is 100 %. Actually tested at an average leak rate of 0.089 gph and detected 100 % of induced leaks. System also meets the monthly monitoring test requirements of a P_D of 100% against a leak rate of 0.2 gph defined at a pipeline pressure equal to the normal operating pressure.

**Results of the Performance Evaluation
Conducted According to EPA Test Procedures**

**Pipeline Leak Detection System
Used as an
Hourly Test**

This form summarizes the results of an evaluation to determine whether the pipeline leak detection system named below and described in Attachment 1 complies with federal regulations for conducting an hourly test. The evaluation was conducted according to the United States Environmental Protection Agency's (EPA's) evaluation procedure, specified in *Standard Test Procedures for Evaluating Leak Detection Methods: Pipeline Leak Detection Systems*. The full evaluation report includes seven attachments.

Tank system owners who use this pipeline leak detection system should keep this form on file to show compliance with the federal regulations. Tank system owners should check with state and local agencies to make sure this form satisfies the requirements of these agencies.

System Evaluated

System Name: X76 Series Line Leak Detector
 Version of System: X76 DM-4 Microprocessor and JT-H2 Line Pressure Sensor
 Manufacturer Name: Ronan Engineering
21200 Oxnard Boulevard
 (street address)
Woodland Hills, CA 91367
 (city, state, zip code)
(818) 893-5211
 (telephone number)

Evaluation Results

1. The performance of this system

(X) meets or exceeds

() does not meet

the federal standards established by the EPA regulation for hourly tests.

The EPA regulation for an hourly test requires that the system be capable of detecting a leak as small as 3.0 gal/h with a probability of detection (P_D) of 95% and a probability of false alarm (P_{FA}) of 5%.

2. The estimated P_{FA} in this evaluation is 0 % and the estimated P_D against a leak rate of 3.0 gal/h defined at a pipeline pressure of 10 psi in this evaluation is 100 %. Actually tested at 1.05 gal/hr and detected 100% of induced leaks.



Shell Oil Company

P. O. Box 5278
Concord, CA 94520-9998
(510) 675-6165

Facsimile Transmittal

DATE: 1/13/93 STID 3618
TO: Susan Hugo
FAX #: 569-4757
TEL #: _____

FROM: Mr. D. T. Kirk

Telephone: (510) 675-6168
Facsimile: (510) 675-6172

SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING
P.O. BOX 5278
CONCORD, CA 94520

7 Number of Pages Including Cover Sheet

COMMENTS: Additional information for
5755 Broadway in Oakland. We will have more
information in the Workplan.
If you need anything else please call

D.T. Kirk

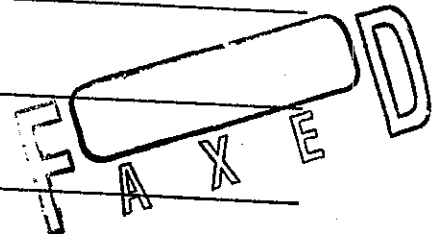
If you did not receive all pages please notify the sender immediately.



Jettler - ryan inc.

FACSIMILE COVER SHEET

TO: Ms. Lourdes Barrazo
COMPANY: City of Oakland
FROM: Jeff Ryan
DATE: 11 Jan 93
RE: Sewer Replacement
COMMENTS: Information for project
28 per our discussion
last week.



10 pages including cover.

Urgent

IF THERE ARE ANY PROBLEMS WITH THIS TRANSMISSION, PLEASE CALL (415) 783-7500.

January 11, 1993

Ms. Lourdes Barrazo
City of Oakland
Public Works Department
Phone (510) 238-2110
Fax (510) 238-3586

Ref: Sewer Main Replacement
5755 Broadway at Taft

Ms. Barrazo,

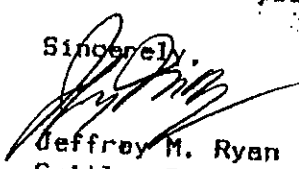
As per our previous conversations, we are proposing to replace an approximately 70' section of an existing 8" sewer main at the above referenced location. It has been determined that this section of sewer main is not water tight and is allowing the infiltration of gasoline and water from the groundwater at this site. The service station at this location, has experienced a leakage of gasoline to the groundwater, but as of this date, all leaks have been repaired.

It is our intention to replace a 70' section of the 8" sewer main, along with 20' of the 4" service station sewer lateral, and replace them with a new 8" main and 4" lateral. To protect the sewer from continued deterioration, we will wrap the sewer lines replaced with a gasoline membrane liner. The material to be used is called Hytrel, manufactured by Dupont. I have enclosed some information on Hytrel, for your use. Prior to the development of double wall tanks, it was the best liner material available for secondary containment of petroleum products.

As we have been monitoring this situation on a 24 hr per day basis for 4 weeks, our client is very anxious to proceed with this replacement as soon as possible, to protect the sewer from any further damage.

Please contact me, if you have any further question, and I would be happy to meet with you to discuss this at any time.

Sincerely,

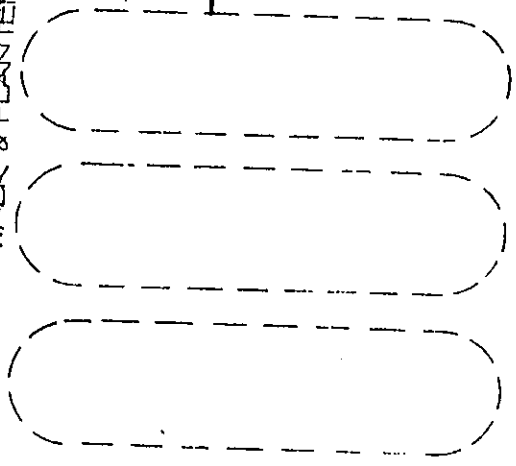

Jeffrey M. Ryan
Gettler-Ryan Inc.
2150 West Winton Ave.
Hayward, Ca. 94545
(510) 783-7500
(510) 414-2420

N 63° 55' 00"

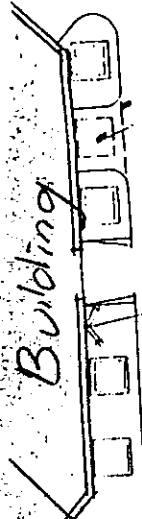
EXIST. UNDERGR. STORAGE TANK (TYP. OF 3)

EXIST. CANOPY ABOVE

REMOVE PORTION OF RAISED CONC. WALK & PLANTER TUB

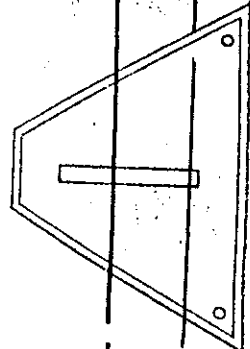
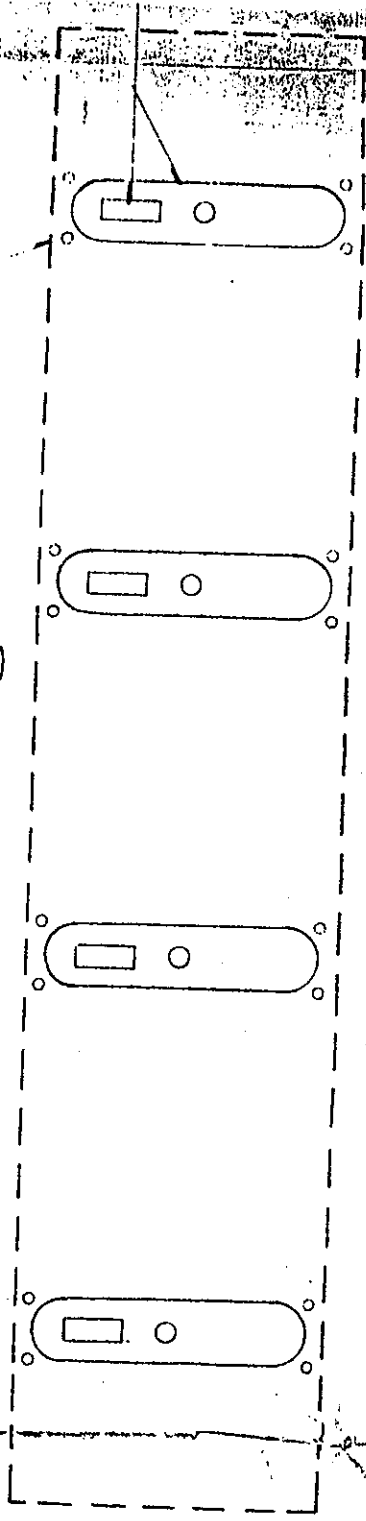


MODIFY EXISTING SIDEWALK SEE SHEET A-3



Building

Existing Sewer Laterals



EXIST. SANITARY SEWER MANHOLE

EXIST. DRIVEWAY

EXIST. SIDEWALK

EXIST. DRIVEWAY

EXIST. SIDEWALK

S 26° E 00' 173.60'

S 63° 55' 00'

EXIST. DRIVEWAY

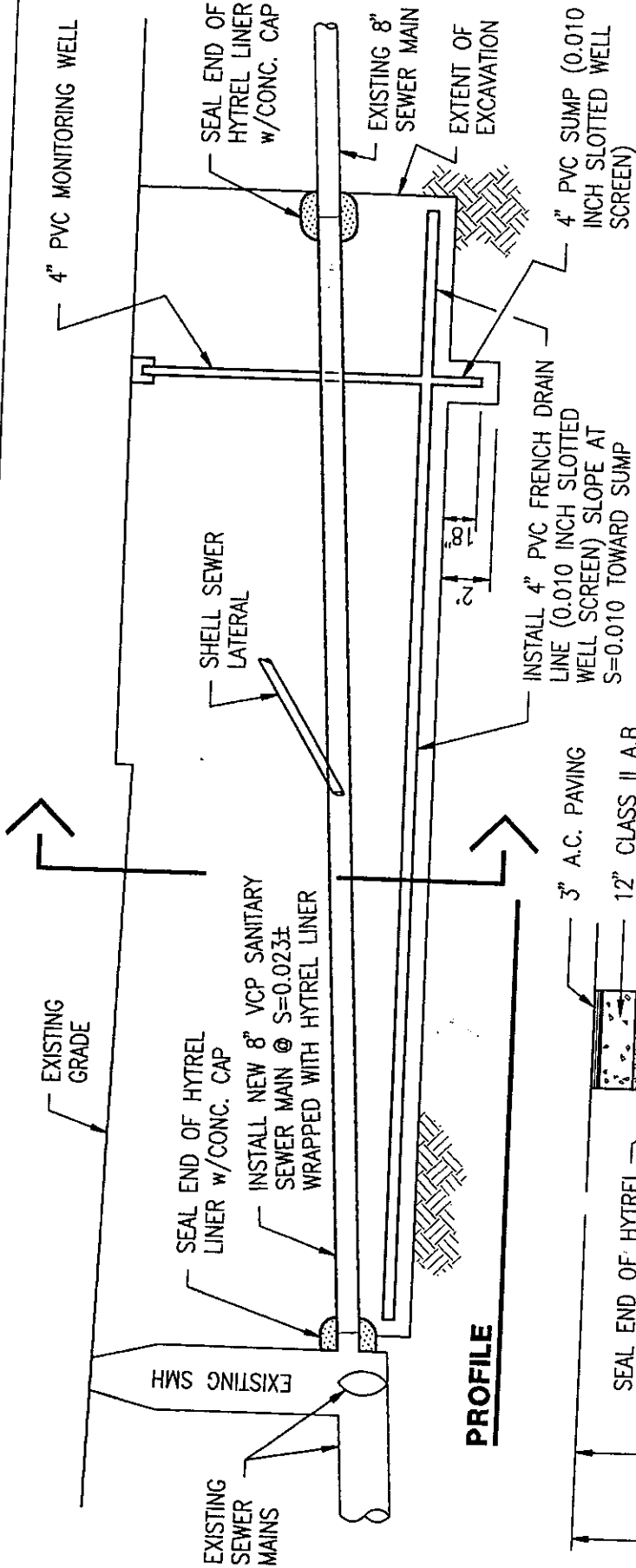
70' Section to be replaced

42' EXIST. SIDEWALK

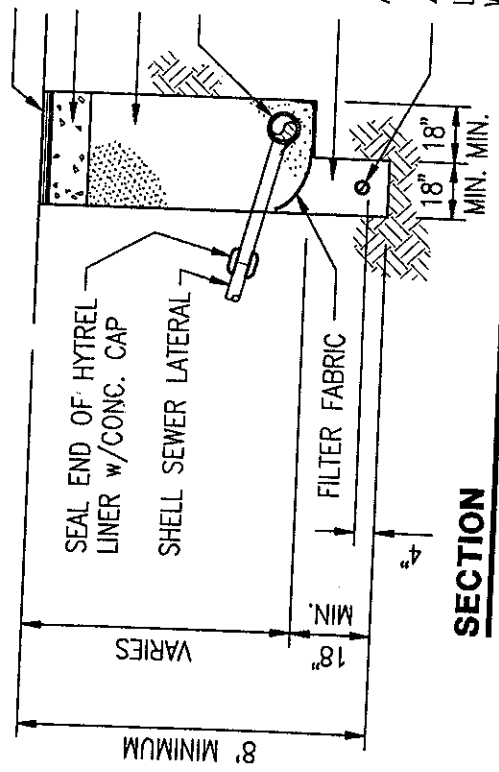
EXISTING MH

Jeff St

Broodway



PROFILE



SECTION

NO SCALE

gettler-ryan, inc.
2150 west winton avenue
hayward, california 94545

SEWER MAIN REPLACEMENT PROJECT
Shell Service Station
5755 Broadway at Taft Avenue
Oakland, California

JOB NUMBER
285001

REVIEWED BY

DATE
1/7/93

REVISED DATE

PLATE

1



HYTREL[®]

polyester elastomer

HYT-504(R1)

FLUID AND CHEMICAL RESISTANCE OF 'HYTREL'

The data tabulated in this report document the effects of a broad variety of chemicals, solvents, oils and hydraulic fluids on HYTREL polyester elastomer. A summary guide to the chemical resistance of HYTREL is presented in the Table.

Resistance to Various Classes of Fluids

HYTREL has excellent resistance to non-polar materials such as oils and hydraulic fluids, even at elevated temperatures. If necessary, resistance to hot oils can be further enhanced by heat-stabilization.

HYTREL is resistant to most polar fluids—such as acids, bases, amines and glycols—at room temperature. However, its resistance to polar fluids is poor at temperatures of 70°C [158°F] or above. HYTREL should not be used in service that requires continuous exposure to these fluids at elevated temperatures.

Resistance of HYTREL to hot moist environments is good. Hydrolytic stability can be further improved, if desired, by incorporating HYTREL 10MS as a stabilizer. Recommendations covering the use of HYTREL 10MS are presented in bulletin HYP-114.

HYTREL vs Some Other Thermoplastics

In general, HYTREL is resistant to the same classes of chemicals and fluids as are polyurethanes, both ester and ether based. However, HYTREL has better high temperature properties than the polyurethanes, and can be used satisfactorily at higher temperatures in the same fluids. For example, after exposure at 150°C [302°F] for 7 days in ASTM Oil No. 1, HYTREL swells only about 2%, and retains 60% of its original tensile strength and 90% of its original elongation; polyurethanes of equivalent hardness degrade in less than a week at the same conditions.

HYTREL polyester elastomers do not contain an extractable plasticizer, as do flexible vinyls, certain grades of nylon and many rubber compounds. Many fluids and chemicals will extract the plasticizer from these materials, causing a significant increase in stiffness (modulus) and volume shrinkage. For example, a plasticized nylon of approximately 63D hardness undergoes a two-fold increase in modulus and shrinks about 10% when exposed to ASTM Oil No. 1 for 7 days at 121°C [250°F]. HYTREL shows no change in modulus and swells approximately 0.3% under the same exposure conditions.

Chemical Resistance Guide For HYTREL

The data tabulated below summarize the effects of a broad variety of fluids on HYTREL polyester elastomers. As a general rule the resistance of HYTREL elastomers to fluids and chemicals increases as the polymer hardness increases. Unless otherwise noted the ratings shown in the table apply to all hardness grades.

Rating Key: A—Fluid has little or no effect
 B—Fluid has minor to moderate effect
 C—Fluid has severe effect
 T—No data—likely to have minor effect
 X—No data—likely to have severe effect

Ratings are at 22°C [72°F] unless otherwise specified. Concentrations of aqueous solutions are saturated, except where noted.

We emphasize that the data contained herein should be used as a guide only. The tabulation is based primarily on short term static laboratory tests and does not take into account all variables than can be encountered in actual use. Therefore it is advisable to test the material under actual service conditions before specification. If this is not practical, tests should be devised that simulate service conditions as closely as possible.

CHEMICAL	RATING
Acetic Acid, 20%	A
Acetic Acid, 30%	A
Acetic Acid, Glacial	A
Acetic Acid, Glacial (38°C) [100°F]	B
Acetic Anhydride	T
Acetone	B
Acetylene	A
Aluminum Chloride Solutions	T
Aluminum Sulfate Solutions	T
Ammonium Chloride Solutions	A
Ammonium Hydroxide Solutions	T
Ammonium Sulfate Solutions	A
Amyl Acetate	B
Amyl Alcohol	A
Aniline	C
ASTM Oil No. 1 (149°C) [300°F]	A
ASTM Oil No. 3 (149°C) [300°F]	A
ASTM Reference Fuel A (70°C) [158°F]	A
ASTM Reference Fuel B (70°C) [158°F]	A
ASTM Reference Fuel C	A
ASTM Reference Fuel C (70°C) [158°F]	A
Asphalt	T
Barium Hydroxide Solutions	T
Beer	A
Benzene	A
Borax Solutions	A
Boric Acid Solutions	A
Bromine, Anhydrous Liquid	X
Butane	A
Butyl Acetate	A
Calcium Chloride Solutions	A
Calcium Hydroxide Solutions	T
Calcium Hypochlorite, 5%	A
Carbon Bisulfide	A
Carbon Dioxide	A
Carbon Monoxide	A

CHEMICAL	RATING
Carbon Tetrachloride	A
Castor Oil	A
Chlorine Gas, Dry	X
Chlorine Gas, Wet	X
Chloroacetic Acid	X
Chlorobenzene	X
Chloroform	B
Chlorosulfonic Acid	C
Citric Acid Solutions	A
Copper Chloride Solutions	A
Copper Sulfate Solutions	A
Cottonseed Oil	A
Cyclohexane	A
Dibutyl Phthalate	A
Diethyl Sebacate	A
Diethyl Phthalate	A
DUAL ¹³⁹	A
Epichlorohydrin	X
Ethyl Acetate	A
Ethyl Alcohol	A
Ethyl Chloride	B
Ethylene Dichloride	B
Ethylene Glycol	A
Ethylene Oxide	A
Ferric Chloride Solutions	T
Fluosilicic Acid	T
Formaldehyde, 40%	B
Formic Acid	B
FREON-11 ¹⁴⁰	A
FREON-12	A
FREON-113 (55°C) [130°F]	A
FREON 114	A

CHEMICAL	RATING
Gasoline	A
Glue	A
Glycerin	A
<i>n</i> -Hexane	A
Hydrazine	C
Hydrochloric Acid, 20%	B
Hydrochloric Acid, 37%	C
Hydrocyanic Acid	T
Hydrofluoric Acid, 48%	X
Hydrofluoric Acid, 75%	X
Hydrofluoric Acid, Anhydrous	X
Hydrogen	A
Hydrogen Sulfide	A
Isooctane	A
Isopropyl Alcohol	A
JP-4 Jet Fuel	A
Kerosene	T
Lacquer Solvents	A
Lactic Acid	T
Linseed Oil	T
Lubricating Oils	A
Magnesium Chloride Solutions	T
Magnesium Hydroxide Solutions	T
Mercuric Chloride Solutions	T
Mercury	A
Methyl Alcohol	A
Methyl Ethyl Ketone	A
Methylene Chloride	C
Mineral Oil	A
Naphtha	A
Naphthalene	A
Nitric Acid, 10%	B
Nitric Acid, 30%	C
Nitric Acid, 60%	C
Nitric Acid, 70%	C
Nitric Acid, Red Fuming	C
Nitrobenzene	C
Oleic Acid	A
Oleum, 20-25%	C
Palmitic Acid	A
Perchloroethylene	B

CHEMICAL	RATING
Phenol	C
Pickling Solution (20% Nitric Acid, 4% HF)	X
Pickling Solution (17% Nitric Acid, 4% HF)	X
Potassium Dichromate Solutions	T
Potassium Hydroxide Solutions	A
PYDRAUL 312 ⁽¹⁷⁾	A
Pyridine	X
SAC 10 Oil	A
Sea Water	A
Silicone Grease	A
SKYDROL 500B ⁽¹⁷⁾	A
Soap Solutions	A
Sodium Chloride Solutions	A
Sodium Dichromate, 20%	T
Sodium Hydroxide, 20%	B
Sodium Hydroxide, 46 1/2%	C
Sodium Hypochlorite, 5%	A
Soybean Oil	T
Stannous Chloride, 15%	T
Steam (100°C) [212°F]	B
Steam (110°C) [230°F]	C
Stearic Acid	T
Styrene	X
Sulfur, Molten	T
Sulfur Dioxide, Liquid	T
Sulfur Dioxide, Gas	T
Sulfuric Acid, up to 50%	A
Sulfuric Acid, above 50%	C
Sulfuric Acid, Fuming (20% Oleum)	C
Sulfurous Acid	B
Tannic Acid, 10%	A
Tartaric Acid	T
Tetrahydrofuran	A
Toluene	A
TREFLAN ⁽¹⁷⁾	B
Trichloroethylene	B
Triethanolamine	C
Trisodium Phosphate Solution	A
Tung Oil	T
Water (22°C) [72°F]	A
Water (70°C) [158°F]	B
Water (100°C) [212°F]	C
Xylene	A
Zinc Chloride Solutions	A

PETROGARD[®] I PERFORMANCE SPECIFICATION

SECONDARY CONTAINMENT SYSTEM FOR STORAGE TANKS AND PIPING SYSTEM

1.0 SCOPE

- 1.1 This specification establishes the requirement for a custom factory prefabricated flexible liner system utilizing the latest state-of-the-art concepts for secondary containment in accordance with the latest Federal and Local regulations.
- 1.2 The work shall include design, factory fabrication, field interface assembly, anchorage hardware, piping, prefabricated interface ports, test wells, and monitoring wells
- 1.3 The materials of construction shall be compatible with the product to be stored in the primary containment vessel(s), and the material's product resistance to permeability shall conform to the criteria stated elsewhere in this specification.

6.1.10 Chemical Resistance: The liner material shall meet the following test criteria for automotive fuels:
 Test Procedure: Permeability A.S.T.M. E-98
 Procedure BW/Inverted Cup Method

	Requirement:
A. A.S.T.M. Fuel B	.01 oz/Sq Ft/24 hrs.
B. Unleaded Gas	.005 oz/Sq Ft/24 hrs.
C. Diesel Fuel	.0002 oz/Sq Ft/24 hrs.
D. A.S.T.M. Fuel B/Ethanol 90/10	.060 oz/Sq Ft/24 hrs.
Test Procedure: Volumn Swell A.S.T.M. D-543	
Shall not exceed 3 1/2 percent	
	Requirement:
A. A.S.T.M. Fuel B	2.0 percent
B. Super Unleaded Gas	2.8 percent
C. Unleaded Gas	1.9 percent
D. Diesel Fuel	1.0 percent
E. Gasohol	2.7 percent

2.0 APPLICABLE DOCUMENTS

- 2.1 Specification: Federal Standard 191, material testing of protective coated industrial textiles.
- 2.2 Specification: A.S.T.M. Standard 0764-73, method of testing coated fabrics.
- 2.3 Specification: MIL-I-4520, quality control inspection and testing for the fabrication of flexible membrane materials.
- 2.4 Specification: California Water Quality Control Board specification for resistance to fuel permeability.
- 2.5 Specification: Buyers general specification and site drawings.

- 6.1.11 Puncture Resistance: A.S.T.M. D-751, Section 15.2 (Ball Tip) 500 lbs. minimum
- 6.1.12 Puncture Resistance: A.S.T.M. D-751 Section 15.2 Modified (Screwdriver Tip) 60 lbs. minimum
- 6.1.13 Stiffness: A.S.T.M. D-747 30,000 psi max. each direction
- 6.1.14 Mandrel Bend: A.S.T.M. D-2136 - 40 degrees C./no cracks.

3.0 REQUIRED SUBMITTALS

- 3.1 The successful bidder shall provide material and joint test certification demonstrating that the material and fabrication joints shall comply with the physical and chemical resistance requirements of this specification.
- 3.2 The bid proposal shall include design drawings showing secondary containment interface details at all apertures and shall also include installation instructions.
- 3.3 The secondary containment liner for tanks shall be fabricated by MPC Containment Systems, Ltd., Chicago, IL.

7.0 LINER MATERIAL FABRICATION DETAILS

- 7.1 All panel joints shall be thermal automatic high pressure welded, utilizing a two inch lap-seal construction with a tolerance of +/- a quarter of an inch on the lap.
- 7.2 The coating formulation shall be suitable for thermal type fabrication and shall also be capable of conforming to the following test procedures without affecting the requirements of Section 6.0.
 - 7.2.1 Dead Load Criteria for Joints:
 - 7.2.1.1 Resist separation at 70 Degrees F. in the Warp direction 300 lbs.
 - 7.2.1.2 Resist separation at 180 Degrees F. in the Fill direction 60 lbs.
- 7.3 Patterning:
 - 7.3.1 The flexible membrane liner shall be fabricated from full length modular panels with a maximum of one horizontal splice seam per panel. Splice seams shall be used only when required to utilize full roll size.
 - 7.3.2 Panel joints shall be patterned as shown on the drawings.
 - 7.3.3 Secondary joints and reinforcing areas shall be thermally welded. Stitching and cementing shall not be allowed for normal panel fabrication.
 - 7.3.4 Aperture locations located in the liner shall be suitably reinforced as common practice by the factory fabricator. Aperture locations in general shall be produced from rigid bulkhead fittings and other mechanical compression members made from synthetic type materials which normally resist corrosion.

4.0 WARRANTY

- 4.1 A one year installation warranty covering material and workmanship is required.

5.0 ENVIRONMENTAL DESIGN REQUIREMENTS

- 5.1 The flexible secondary containment liner shall be capable of withstanding the following environmental installation conditions: 5.1.1 Ambient Temperature: 25 - 100 Degrees F.

6.0 MATERIALS AND WORKMANSHIP

- 6.1 Flexible Liner Material Description
 - 6.1.1 The flexible liner material shall consist of a high strength reinforcing fabric weighing approximately five (5) ounces per square yard, coated with an overall protective polymer; total weight is approximately thirty (30) ounces per square yard.
 - 6.1.2 Coated Liner Material: The coating compound shall be selected to have characteristics suitable for high temperature thermal-welding, shall be compounded to withstand the attack of high temperature, humidity and mildew, while at the same time, resisting the attack of chemical resistance of the products to be stored in the primary containment vessel(s).
 - 6.1.3 Weight and Thickness: 30 ounces per square yard +/- 2 ounces; 30 mils. +/- 2 mils.
 - 6.1.4 Tensile Strength:

Grab lbs., A.S.T.M. D-751	700 lbs/500 lbs.
1" strip lbs., A.S.T.M. D-751	300 lbs/200 lbs.
 - 6.1.5 Tear Strength: A.S.T.M. D-751 100 lbs.
 - 6.1.6 Hydrostatic Resistance: Fed. Std. 8512.1 600 psi
 - 6.1.7 Adhesion per one inch (seal): A.S.T.M. D-751 (2" per minute) 15 lb.
 - 6.1.8 Low Temperature: A.S.T.M. D-2136 -40°F. +/- 2 Degrees F.
 - 6.1.9 Flexibility/Resistance to Cracking: Ten (10) pound weighted roller, sample size 2" x 12", fold 180 Degrees, pass roller ten times.

8.0 ANCHORAGE SYSTEM

- 8.1 The liner shall be provided with an anchorage system which shall include hardware as detailed in the manufacturer's installation drawings.

9.0 PIPING TRENCH LINER

- 9.1 The piping trench liner components shall be factory prefabricated from the same liner material, and shall also have the same fabrication characteristics as the tank liner. The trench liner components shall be equipped with a synthetic slide closure to minimize water infiltration.
- 9.2 The trench liner shall be protected at the underside by one of the following:
 - A. Six inches of sand.
 - B. Six inches of pea gravel.
 - C. 16 mils of geotextile padding.
- 9.3 After excavation, all abandoned underground piping and other sharp protrusions shall be either removed or padded to provide protection for the tank and piping liner systems.
- 9.4 At trenching liner intersections and at interface components the following field joint criteria shall be employed:
 - 9.4.1 Factory manufactured 90 degree - 45 degree - "T", etc. turns shall be field assembled to straight trench sections by either mechanical field compression joints and/or by synthetic slide closures, using a caulking agent.

- 9.4.2 A slope of $\frac{1}{4}$ " per foot shall be maintained from the dispenser location towards the tank liner.
- 9.4.3 When required to satisfy an approved field change order, trench liner components may be field welded. The welded joint shall be two-ply lap joint equal to the strength of the liner material joints, and shall be made by a factory technician and/or by a factory approved certified field technician.
- 9.4.4 The trench liner shall be provided with at least one sump in the floor of the trench liner, for monitoring and recovery of leakage. The sump shall be factory fabricated utilizing the same liner material.

10.0 SECONDARY CONTAINMENT AT DISPENSER LOCATIONS

- 10.1 Factory premanufactured drip trays shall be provided at the underside of the concrete islands at each dispenser location. Each tray shall be made from liner material that has the same chemical resistance as the trench and tank liner material. The tray shall be attached to the trench liner system by factory supplied mechanical compression fittings with gaskets and caulking agents.

11.0 LINER MONITORING AND RECOVERY WELLS

- 11.1 The tank liner and trench liner systems shall include monitoring and recovery well pipes at location shown on the site drawings. The well pipes shall be P.V.C. Schedule 40 type material, with slotted bottom slip caps, and top slip caps with screw-in plugs. Each pipe shall be factory machine slotted .020 in circumference with a vertical spacing of $\frac{1}{4}$ " up to within one foot of finished grade. The 4" diameter pipe shall have four slots per circumference. The 8" diameter pipe shall have five slots per circumference. The 12" diameter pipe shall have ten slots per circumference. It shall not be necessary to wrap each well pipe at the slotted locations with geotextile filter fabric, unless the slotted openings are greater than .030 in width.

12.0 INSTALLATION

- 12.1 Installation of the factory manufactured liner system shall be performed by a factory approved and certified contractor.
- 12.2 A contractor who is not trained or certified may install the secondary containment liner system only under the direction of a factory authorized field technical assistance supervisor. Under this condition, the factory will provide a field report to the construction manager confirming that the liner was installed under his direction.
- 12.3 The manufacturer of the secondary containment system shall supply detailed installation drawings covering all components supplied.

13.0 TESTING OF THE SECONDARY CONTAINMENT LINER SYSTEM

- 13.1 The liner manufacturer shall provide written certification that the tank liner has been high frequency spark tested at all panel thermal welded joint locations, and all panel materials have been visually inspected with defects noted and corrected prior to packaging.
- 13.2 The liner manufacturer shall provide written certification that all trench liner components have been high frequency spark tested, and corrections noted prior to packaging. In addition, all trench liner components shall be inspected for interface compatibility prior to packaging.
- 13.3 When a membrane liner is fabricated, seamed, sealed, modified or repaired in the field, the part so fabricated, seamed, sealed, modified or repaired shall be subjected to a performance test prescribed by the manufacturer.



4834 S. Oakley Ave.
Chicago, Illinois 60609
312 927-4120
(Outside IL) 800 621-0146
(Fax) 312 650-6028

PROCEDURE FOR THE CONSTRUCTION OF
IMPROVEMENTS IN STREET AREAS,
PUBLIC EASEMENTS AND WATERCOURSES

PRIVATE PROJECTS

INTRODUCTION

This procedure is to be followed by the Property Owner and the Civil Engineer he has engaged in the design, construction, and administration of private projects. Such projects may involve the following types of construction; curb, gutter, sidewalk, pavement, retaining walls, etc. in street areas; public sanitary sewers and storm conduits in rights-of-way and street areas; and retaining walls, bridges, dams, ponds, paving, rock work, etc. in watercourses.

1. Owner Engages a Registered Civil Engineer

In accordance with Section 6-2.21 of the Oakland Municipal Code, the property owner shall furnish "plans and specifications for the work together with an estimate of the cost of the work, prepared by a registered Civil Engineer." In order to contact a Registered Civil Engineer, the property owner can refer to the yellow pages in the telephone book where many are listed under "Engineers-Civil."

State law requires that the above work be done by a Civil Engineer licensed (registered) by the State.

The Civil Engineer is solely responsible for the design of the work; for performing all surveys required to check existing terrain and existing facilities at the site to be sure his design of the work is adequate; for laying out the work for the contractor; for proper coordination of work (including work of utility companies) in public rights-of-way; for designing any changes made necessary by unforeseeable conditions encountered during construction and for obtaining approval of the City's Director of Public Works for said changes.

Experience has shown that projects are most smoothly and rapidly administered when the Civil Engineer exercises the initiative in the coordination of the efforts of the individuals involved. The Owner and the Contractor should work through the Civil Engineer in matters concerning the project.

2. Civil Engineer Contacts City Offices

The Civil Engineer discusses the proposed work and preparation of plans with Engineers of the Engineering Services Department.

Ken Wong - 238-3437

P-Job / Phil Grubstick
238-2110

Plu - John Comica,
238-3846
(KOREA)

Lourdes Benito
238-2110

Diego Garcia 238-3051

3. Civil Engineer Submits Plans to Engineering Services Department

The Civil Engineer performs all necessary surveys, prepares the plans, and submits two (2) sets of checkprints, along with the required plan checking fee, to the Engineering Information Counter located on the 8th Floor of the City Hall.

If rights-of-way are required for storm drains or sanitary sewers, the Civil Engineer is responsible for the preparation of right-of-way plats (8-1/2" x 11") and legal descriptions. Plats and descriptions together with closure calculations submitted for acceptance and recordation must first be tentatively checked and approved and then resubmitted and properly endorsed and acknowledged by a notary public. City forms are available at the Information Counter, 8th Floor, City Hall.

The Civil Engineer will be notified when the plan review is completed. At this time, he may obtain a copy of the plans which will indicate the required revisions or additions if necessary. The following forms (one copy each) will be furnished by the City:

- a) Special Provisions Specification Title Sheet;
- b) Special Provisions Specifications Signature Sheet;
- c) Standard Detail Drawings applicable to the project;
- d) Special Provisions for Insurance Liability and Surety requirements; and
- e) Other materials necessary to complete the Special Provisions.

4. Civil Engineer Submits Assembled Plans and Specifications, Right-of-Way Documents, "Cut Sheets" and Cost Estimate to Engineering Services Department

The Civil Engineer makes any required revisions of the plans, makes any required construction surveys, and assembles and submits the following to the Engineering Services Department for final check and for approval and distribution by the Director of Public Works:

- a) 8 copies of final plans and specifications (10 when in conjunction with the Alameda County Flood Control District).
- b) 4 copies of "Cut Sheets" for drainage and sewer work -- tabulated data on stakes set by Civil Engineer for construction purposes.
- c) Original and 1 copy of each right-of-way document (the original properly signed and notarized), each with a legal-size 8-1/2 " x 11", plat attached.

- d) 2 copies of a statement (signed by the Civil Engineer) setting forth the estimated total contract cost of the work to be done in the street area and in public easements; exclusive of incidental expenses.
- e) Permit application form, completed where applicable.
- f) Surety bond, as required.

Note: The above documents, except for Item b), Cut Sheets, cannot be processed separately. Lacking portions of these documents, the rest will be held without action.

The Civil Engineer shall submit cut sheets to the Engineering Services Department, if this has not already been done, at least 48 hours (exclusive of Saturdays, Sundays or holidays) before the Contractor starts the work.

5. Owner or Civil Engineer Notified when Plans have been Approved

The owner or Civil Engineer will be notified when the final plans have been approved and the permit is ready for issuance. The permit and plans may be obtained at the Engineering Information Counter located on the 8th Floor of City Hall. At this time, a deposit based on 6% of the estimated cost of work in the street areas and public easements is collected. The purpose of the deposit is to cover the cost of City inspection which is based upon the number of hours necessary for a City of Oakland Construction Inspector to be on the job to adequately check and test the work in public rights-of-way and easements. The inspector is not on the job to render a service to the owner, Contractor or Civil Engineer, or to coordinate or direct the work. Inspection by City of Oakland inspectors does not relieve the Civil Engineer or the Contractor of any responsibilities.

A permit will be issued upon receipt of the inspection deposit, and an approved Certificate of Insurance.

Failure to obtain the approved plans and permit and to pay the deposit prior to starting the work is in violation of City ordinances.

6. Contractor Notifies Engineering Services Department before Starting Work

The Contractor must give the City of Oakland 24 hours advance notice before starting the work. To do so, he may contact the Construction Division of the Office of Public Works (273-3051). This is necessary in order to schedule the City inspection of the job so that construction will not be delayed.

7. Civil Engineer Certifies the Work

When the job is finished, the Civil Engineer must submit an "Engineer's Certificate" to the Engineering Services Department. This is a signed statement certifying that all work in the street area and in public easements has been completed, and the work conforms to the alignment and elevations as indicated on the plans and specifications prepared by the Engineer and approved by the City of Oakland.

8. Report of Completion and Acceptance

Upon receiving the "Engineer's Certificate," the Construction Engineer of the Engineering Services Department makes a final inspection of the work. If all work in public rights-of-way and easements has been completed to his satisfaction, he prepares a "Report of Completion and Acceptance." These documents indicate official acceptance of the work in public rights-of-way and easements, and assure maintenance of the public improvements by the City.

9. Final Adjustment is Made on City Inspection Deposit

Upon acceptance of the work in the street area and in public easements by the Director of Public Works, the actual cost of inspection is charged against the inspection deposit and a final adjustment is made in the form of a refund to the permittee if the deposit is larger than the cost of inspection, or by collection of additional funds from the permittee if the deposit is less than the cost of inspection.

The total cost to the property owner of any improvement will include such items as the Civil Engineer's fee, right-of-way costs, the Contractor's charges for construction and the City inspection cost. (Contractors usually include the cost of City inspection in their bid prices.)

10. Engineering Services Department Sections

Department personnel may be reached by inquiring at the Engineering Information Counter, 8th Floor, City Hall, One City Hall Plaza, or by calling:

Engineering Information 273-3871

Engineering 273-3206

Shell Oil Company



EAST BAY
MARKETING DISTRICT

P.O. Box 4023
Concord, CA 94524
(510) 676-1414

December 23, 1992

CERTIFIED RETURN RECEIPT REQUESTED

Mr. Britt Johnson, Hazardous Materials Specialist
Alameda County - Department of Environmental Health
80 Swan Way, Rm. 200
Oakland, CA. 94621

RECEIVED

DEC 28 1992

ENVIRO BAY AREA

Re: UGST UNAUTHORIZED RELEASE REPORT FOR SHELL STATION AT
5755 BROADWAY, OAKLAND, CA. 94618

Dear Mr. Johnson:

As per our conversation on December 22, 1992 at the above referenced site, I am enclosing the Underground Storage Tank Unauthorized Release report for the above location. Also enclosed is Shell's USY Financial Responsibility document.

As you are aware, the site investigation is still in progress to determine the source of the problem. If you have any further questions please contact myself at (510) 675-6143 or Stan Roller at (510) 674-6145.

For our records, please sign the Acknowledgement of Receipt below. Send a copy pf the signed letter to my attention at the above address.

Sincerely,

Lisa K. Waters
Lisa K. Waters
HS&E Representative

ACKNOWLEDGEMENT OF RECEIPT

SIGNATURE

TITLE

Enclosure

cc: Sales Manager - M.E. Swillo
District Engineer - S.J. Roller
Environmental Engineer - D.T. Kirk
HS&E Administrative Support - K.D. Clark
T.S.R. - J.P. Baur

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

EMERGENCY HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? YES NO

FOR LOCAL AGENCY USE ONLY
 I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
 SIGNED: _____ DATE: _____

REPORT DATE: 1 2 2 0 9 2
 CASE #:

REPORTED BY: LISA WATERS
 PHONE: (510) 675-6143
 SIGNATURE: _____ DATE: _____

REPRESENTING: OWNER/OPERATOR REGIONAL BOARD LOCAL AGENCY OTHER
 COMPANY OR AGENCY NAME: SHELL OIL COMPANY

ADDRESS: 1390 WILLOW PASS ROAD, SUITE 900

RESPONSIBLE PARTY: NAME: SHELL OIL COMPANY
 CITY: CONCORD STATE: CA ZIP: 94520
 CONTACT PERSON: STAN ROLLER OR JEFF GRANBERRY
 PHONE: (510) 67506145

SITE LOCATION: FACILITY NAME (IF APPLICABLE):
 ADDRESS: 5755 BROADWAY
 CITY: OAKLAND COUNTY: ALAMEDA ZIP: 94618
 OPERATOR: BIJAN BANAPOUR
 PHONE: (510) 547-4101

IMPLEMENTING AGENCIES: LOCAL AGENCY: ALAMEDA COUNTY HEALTH AGENCY
 AGENCY NAME: CONTACT PERSON: BRITT JOHNSON
 PHONE: (510) 271-4320
 REGIONAL BOARD: S.F. REG. W.Q.C.B.
 CONTACT PERSON: JOHN KAISER
 PHONE: (510) 286-1255

SUBSTANCES INVOLVED: (1) GASOLINE - UNLEADED
 NAME: QUANTITY LOST (GALLONS):
 (2) _____ UNKNOWN

DISCOVERY/ABATEMENT: DATE DISCOVERED: 1 2 2 0 9 2
 HOW DISCOVERED: TANK TEST INVENTORY CONTROL SUBSURFACE MONITORING NUISANCE CONDITIONS
 DATE DISCHARGE BEGAN: _____
 METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY):
 REMOVE CONTENTS CLOSE TANK & REMOVE REPAIR PIPING
 REPAIR TANK CLOSE TANK & FILL IN PLACE CHANGE PROCEDURE
 REPLACE TANK OTHER: PLAN TO REPAIR PIPING

SOURCE OF DISCHARGE: TANK LEAK UNKNOWN PIPING LEAK OTHER
 CAUSE(S): OVERFILL RUPTURE/FAILURE SPILL
 CORROSION UNKNOWN OTHER

CASE TYPE: CHECK ONE ONLY
 UNDETERMINED SOIL ONLY GROUNDWATER DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS: CHECK ONE ONLY
 NO ACTION TAKEN PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED POLLUTION CHARACTERIZATION
 LEAK BEING CONFIRMED PRELIMINARY SITE ASSESSMENT UNDERWAY POST CLEANUP MONITORING IN PROGRESS
 REMEDIATION PLAN CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) CLEANUP UNDERWAY

REMEDIAL ACTION: CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
 CAP SITE (CS) EXCAVATE & DISPOSE (ED) REMOVE FREE PRODUCT (FP) ENHANCED BIO DEGRADATION (IB)
 CONTAINMENT BARRIER (CB) EXCAVATE & TREAT (ET) PUMP & TREAT GROUNDWATER (GT) REPLACE SUPPLY (RS)
 VACUUM EXTRACT (VE) NO ACTION REQUIRED (NA) TREATMENT AT HOOKUP (H) VENT SOIL (VS)
 OTHER (OT)

COMMENTS: SIGNS NOTICED COMING FROM STORM DRAIN AREA. FIRE DEPARTMENT AND ALAMEDA COUNTY HAZARDOUS MATERIAL DIVISION UNIT CALLED TO SCENE. ONGOING INVESTIGATION TO LOCATE SOURCE OF PROBLEM. IN ADDITION 24 HOUR MONITORING OF THE STORM DRAIN AREAS.

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)

January 6, 1992

Ms. Lisa Waters
Shell Oil Company
P.O. Box 4023
Concord, CA 94524

RE: Shell Station, 5755 Broadway, Oakland, CA 94618

Dear Ms. Waters:

On December 21, 1991, a leak in one of the pipeline for your underground storage tank was discovered. Before this pipeline can be put back into operation, a Modification/Installation plan needs to be submitted to this office for approval with a Deposit/Refund check for \$459.00 made payable to the County of Alameda. I will be the inspector that will review this plan.

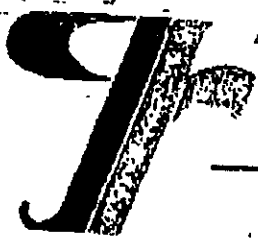
The contact person in my office for the investigation and the remediation at the above site is Ms. Susan Hugo.

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

Sincerely
[Signature]
Larry Seto

- cc: Susan Hugo, Hazardous Materials
- Gil Jensen, Alameda County District Attorney's Office
- Consumer and Environmental Protection
- Dan Kirk, Shell Oil Company
- Rich Hiatt, RWOCB
- Ed Howell, Chief, Hazardous Materials
- Dept. of Toxic Substance Control

*(Letter Reply responded to this letter)
(Response is attached)*



gettler — ryan inc.

general contractors

January 8, 1993

Mr. Larry Seto
Alameda County Environmental Health Department
80 Swan Way
Oakland, California 94621

Reference: Shell Service Station
5755 Broadway
Oakland, California

Gentlemen:

The following is a chronological list of events pertaining to the referenced location.

- o December 20, 1992 - Responded to an emergency (Sunday, 12:00 noon) of reported gasoline vapors in storm drains in the street. Gettler - Ryan personnel were on site along with officials from the county and fire department.
- o December 21, 1992 - Gettler - Ryan technician was dispatched to the site to perform a Petro-Tite line test and certify the operation of all monitoring equipment. The SU-2000 and SR-2000 lines passed testing, however, the RU-2000 failed (copies of test results are enclosed). Blew product out of the RU-2000 product line and confirmed line pressure loss by performing a nitrogen test.
- o December 22, 1992 - Shell Oil Company representatives had product removed from the RU-2000 underground storage tank. Gettler-Ryan technician performed a helium test to locate any leaks in the product line.
- o December 29, 1992 - Excavated near one of the pump islands and located a leak in a 2" fiberglass 45-degree ell fitting on the RU-2000 product line.
- o December 31, 1992 - Replaced and glued the 2" fiberglass fitting.

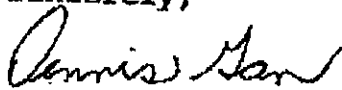
Mr. Larry Seto
January 8, 1993
Page Two

- o January 1, 1993 - Retested the RU-2000 product line at 90 psi for 4 hours; the line held tight. The station received a delivery of RU-2000 product.
- o January 4, 1993 - Gettler - Ryan technician purged air from the product line in preparation for tank and linetesting to be performed the following day.
- o January 5, 1993 - NDE Environmental Corporation performed tank and line tests on all systems (copies enclosed). All systems passed NFPA criteria for tight tanks and lines.

As of this date, Gettler - Ryan is waiting for county approval before restoring operation to the RU-2000 system.

Please call if you should have any questions or require additional information.

Sincerely,



Dennis Gan
Superintendent

DG/jw

Enclosures

cc: Ms. Lisa Waters, Shell Oil Company
Mr. Ray Newsome, Shell Oil Company



ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

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

January 8, 1993

Ms. Lisa Waters
Shell Oil Company
P.O. Box 4023
Concord, CA 94524

RE: Shell Station, 5755 Broadway, Oakland, CA 94618

Dear Ms. Waters:

I have reviewed the precision test results for the three underground tanks and their associated pipelines at the above location dated January 5, 1993 that was prepared by NDE Environmental. All the underground tanks may be put back into service.

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

Sincerely,


Larry Seto

Sr. Hazardous Materials Specialist

cc: Susan Hugo, Hazardous Materials
Ed Howell, Chief, Hazardous Materials
RWQCB
Bijan Banapour, Dealer

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

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

January 8, 1993

Ms. Lisa Waters
Shell Oil Company
P.O. Box 4023
Concord, CA 94524

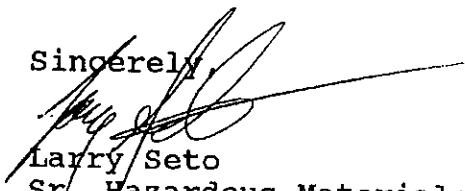
RE: Shell Station, 5755 Broadway, Oakland, CA 94618

Dear Ms. Waters:

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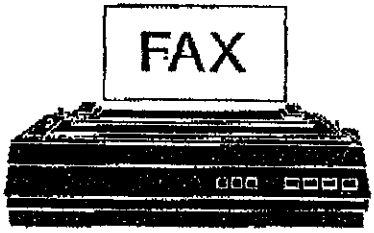
Sincerely,



Larry Seto

Sr. Hazardous Materials Specialist

cc: Susan Hugo, Hazardous Materials
Ed Howell, Chief, Hazardous Materials
RWQCB
Bijan Banapour, Dealer



SHELL OIL COMPANY
EAST BAY DISTRICT
P. O. Box 4023
Concord, CA 94524

57123618

Date: ~~LISA WATERS~~ 12/23/92
To: Alameda County
Britt Johnson
From: Lisa Waters

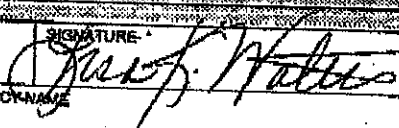
No. of pages 2 (including this page)

This Fax telephone number (510) 675-6100
SSN 676-6100

If you do not receive all pages, please call immediately to:

(510) 675 - or SSN 676 -

Comments: Hard Copy to follow
via US Mail

CASE # <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION CHOWN ON THE INFORMATION SHEET ON THE BACK PAGE OF THIS FORM.	
NAME OF INDIVIDUAL FILING REPORT LISA WATERS		PHONE (510) 675-6143	
REPORTED BY	REPRESENTING: <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		SIGNATURE 
	COMPANY OR AGENCY NAME SHELL OIL COMPANY		
RESPONSIBLE PARTY	ADDRESS 1390 WILLOW PASS ROAD, SUITE 900		
	NAME SHELL OIL COMPANY	CITY CONCORD	STATE CA
	CONTACT PERSON STAN ROLLER OR JEFF GRANBERRY	PHONE (510) 67506145	ZIP 94520
SITE LOCATION	ADDRESS 1390 WILLOW PASS ROAD, SUITE 900		
	FACILITY NAME (IF APPLICABLE) BROADWAY SHELL	OPERATOR BIJAN BANAPOUR	STATE CA
	ADDRESS 5755 BROADWAY	PHONE (510) 547-4101	ZIP 94520
IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME ALAMEDA COUNTY HEALTH AGENCY		CONTACT PERSON BRITT JOHNSON
	REGIONAL BOARD S.F. REG. W.Q.C.B.		PHONE (510) 271-4320
	CONTACT PERSON JOHN KAISER		PHONE (510) 286-1255
SUBSTANCES INVOLVED	(1) GASOLINE - UNLEADED		QUANTITY LOST (GALLONS) <input type="checkbox"/> UNKNOWN
	(2) <input type="checkbox"/> UNKNOWN		
DISCOVERY/ABATEMENT	DATE DISCOVERED 1/22/09	HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS	
	DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN	<input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER ODORS IN STORM DRAIN	
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 1/22/09	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING	
	<input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY		
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		
	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER		
CASE TYPE	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)		
	CHECK APPROPRIATE ACTION(S) <input type="checkbox"/> CAP SITE (CS) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input checked="" type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> OTHER (OT)		
COMMENTS	ODORS NOTICED COMING FROM STORM DRAIN AREA. FIRE DEPARTMENT AND ALAMEDA COUNTY HAZARDOUS MATERIAL DIVISION UNIT CALLED TO SCENE. ONGOING INVESTIGATION TO LOCATE SOURCE OF PROBLEM, IN ADDITION 24 HOUR MONITORING OF THE STORM DRAIN AREAS.		

Shell Oil Company



EAST BAY
MARKETING DISTRICT

P.O. Box 4023
Concord, CA 94524
(510) 676-1414

92 DTD 00 11:11

December 23, 1992

CERTIFIED RETURN RECEIPT REQUESTED

Mr. Britt Johnson, Hazardous Materials Specialist
Alameda County - Department of Environmental Health
80 Swan Way, Rm. 200
Oakland, CA. 94621

Re: UGST UNAUTHORIZED RELEASE REPORT FOR SHELL STATION AT
5755 BROADWAY, OAKLAND, CA. 94618

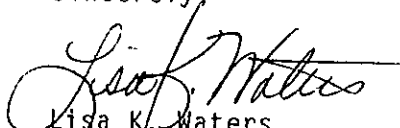
Dear Mr. Johnson:

As per our conversation on December 22, 1992 at the above referenced site, I am enclosing the Underground Storage Tank Unauthorized Release report for the above location. Also enclosed is Shell's UST Financial Responsibility document.

As you are aware, the site investigation is still in progress to determine the source of the problem. If you have any further questions please contact myself at (510) 675-6143 or Stan Roller at (510) 674-6145.

For our records, please sign the Acknowledgement of Receipt below. Send a copy pf the signed letter to my attention at the above address.

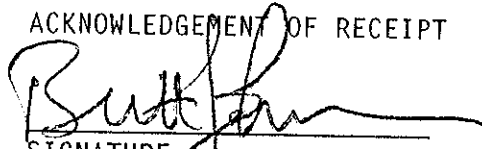
Sincerely,


Lisa K. Waters
HS&E Representative

Enclosure

cc: Sales Manager - M.E. Swillo
District Engineer - S.J. Roller
Environmental Engineer - D.T. Kirk
HS&E Administrative Support - K.D. Clark
T.S.R. - J.P. Baur

ACKNOWLEDGEMENT OF RECEIPT


SIGNATURE

HAZ MAT SPEC
TITLE

12/30/92
DATE

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

EMERGENCY <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM. SIGNED: <i>[Signature]</i> DATE: 12/30/92	
REPORT DATE 1 <u>M</u> 2 <u>M</u> 2 <u>D</u> 3 <u>D</u> 9 <u>Y</u> 2 <u>Y</u>		CASE #			
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT LISA WATERS		PHONE (510) 675-6143	SIGNATURE <i>[Signature]</i>	
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME SHELL OIL COMPANY		
	ADDRESS 1390 WILLOW PASS ROAD, SUITE 900 STREET CITY CONCORD STATE CA ZIP 94520				
RESPONSIBLE PARTY	NAME SHELL OIL COMPANY <input type="checkbox"/> UNKNOWN		CONTACT PERSON STAN ROLLER OR JEFF GRANBERRY		PHONE (510) 67506145
	ADDRESS 1390 WILLOW PASS ROAD, SUITE 900 STREET CITY CONCORD STATE CA ZIP 94520				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) BROADWAY SHELL		OPERATOR BIJAN BANAPOUR		PHONE (510) 547-4101
	ADDRESS 5755 BROADWAY STREET CITY OAKLAND COUNTY ALAMEDA ZIP 94618				
	CROSS STREET TAFT				
IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME ALAMEDA COUNTY HEALTH AGENCY		CONTACT PERSON BRITT JOHNSON		PHONE (510) 271-4320
	REGIONAL BOARD S.F. REG. W.Q.C.B.		CONTACT PERSON JOHN KAISER		PHONE (510) 286-1255
SUBSTANCES INVOLVED	(1) NAME GASOLINE - UNLEADED				QUANTITY LOST (GALLONS) <input type="checkbox"/> UNKNOWN
	(2)				<input type="checkbox"/> UNKNOWN
DISCOVERY/ABATEMENT	DATE DISCOVERED 1 <u>M</u> 2 <u>M</u> 2 <u>D</u> 0 <u>D</u> 9 <u>Y</u> 2 <u>Y</u>		HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER ODORS IN STORM DRAIN		
	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"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> OTHER PLAN TO REPAIR PIPING		
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 1 <u>M</u> 2 <u>M</u> 2 <u>D</u> 2 <u>D</u> 9 <u>Y</u> 2 <u>Y</u>				
SOURCE/ CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER		
	CASE TYPE CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY				
	REMEDIAL ACTION CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input checked="" type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> OTHER (OT)				
COMMENTS	ODORS NOTICED COMING FROM STORM DRAIN AREA. FIRE DEPARTMENT AND ALAMEDA COUNTY HAZARDOUS MATERIAL DIVISION UNIT CALLED TO SCENE. ONGOING INVESTIGATION TO LOCATE SOURCE OF PROBLEM, IN ADDITION 24 HOUR MONITORING OF THE STORM DRAIN AREAS.				

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

EMERGENCY YES NO HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? YES NO

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.

REPORT DATE: 1 M 2 M 2 D 3 D 9 Y 2 Y CASE #

SIGNED: _____ DATE: _____

REPORTED BY: NAME OF INDIVIDUAL FILING REPORT: **LISA WATERS**
PHONE: **(510) 675-6143**
REPRESENTING: OWNER/OPERATOR REGIONAL BOARD LOCAL AGENCY OTHER
ADDRESS: **1390 WILLOW PASS ROAD, SUITE 900**

SIGNATURE: _____
COMPANY OR AGENCY NAME: **SHELL OIL COMPANY**

RESPONSIBLE PARTY: NAME: **SHELL OIL COMPANY**
CONTACT PERSON: UNKNOWN **STAN ROLLER OR JEFF GRANBERRY**
ADDRESS: **1390 WILLOW PASS ROAD, SUITE 900**

CITY: **CONCORD** STATE: **CA** ZIP: **94520**
PHONE: **(510) 67506143**

SITE LOCATION: FACILITY NAME (IF APPLICABLE): _____
ADDRESS: **5755 BROADWAY**
CROSS STREET: **TAFT**

OPERATOR: **BIJAN BANAPOUR** STATE: **CA** ZIP: **94520**
PHONE: **(510) 547-4101**
CITY: **OAKLAND** COUNTY: **ALAMEDA** ZIP: **94618**

IMPLEMENTING AGENCIES: LOCAL AGENCY: **ALAMEDA COUNTY HEALTH AGENCY**
REGIONAL BOARD: **S.F. REG. W.Q.C.B.**

CONTACT PERSON: **BRITT JOHNSON** PHONE: **(510) 271-4320**
JOHN KAISER PHONE: **(510) 286-1255**

SUBSTANCES INVOLVED: (1) **GASOLINE - UNLEADED** NAME: _____ QUANTITY LOST (GALLONS): _____
(2) _____ UNKNOWN

DISCOVERY/ABATEMENT: DATE DISCOVERED: 1 M 2 M 2 D 0 D 9 Y 2 Y
HOW DISCOVERED: INVENTORY CONTROL SUBSURFACE MONITORING TANK TEST TANK REMOVAL OTHER: **ODORS IN STORM DRAIN**
DATE DISCHARGE BEGAN: _____ UNKNOWN
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY):
 REMOVE CONTENTS CLOSE TANK & REMOVE REPAIR PIPING
 REPAIR TANK CLOSE TANK & FILL IN PLACE CHANGE PROCEDURE
 REPLACE TANK OTHER: **PLAN TO REPAIR PIPING**

SOURCE/CAUSE: SOURCE OF DISCHARGE: TANK LEAK UNKNOWN PIPING LEAK OTHER
CAUSE(S): OVERFILL RUPTURE/FAILURE SPILL CORROSION UNKNOWN OTHER

CASE TYPE: CHECK ONE ONLY
 UNDETERMINED SOIL ONLY GROUNDWATER DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS: CHECK ONE ONLY
 NO ACTION TAKEN PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED POLLUTION CHARACTERIZATION
 LEAK BEING CONFIRMED PRELIMINARY SITE ASSESSMENT UNDERWAY POST CLEANUP MONITORING IN PROGRESS
 REMEDIATION PLAN CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) CLEANUP UNDERWAY

REMEDIAL ACTION: CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
 CAP SITE (CD) EXCAVATE & DISPOSE (ED) REMOVE FREE PRODUCT (FP) ENHANCED BIO DEGRADATION (IT)
 CONTAINMENT BARRIER (CB) EXCAVATE & TREAT (ET) PUMP & TREAT GROUNDWATER (GT) REPLACE SUPPLY (RS)
 VACUUM EXTRACT (VE) NO ACTION REQUIRED (NA) TREATMENT AT HOOKUP (HU) VENT SOIL (VS)
 OTHER (OT)

COMMENTS: **ODORS NOTICED COMING FROM STORM DRAIN AREA. FIRE DEPARTMENT AND ALAMEDA COUNTY HAZARDOUS MATERIAL DIVISION UNIT CALLED TO SCENE. ONGOING INVESTIGATION TO LOCATE SOURCE OF PROBLEM, IN ADDITION 24 HOUR MONITORING OF THE STORM DRAIN AREAS.**

510-3618

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

Site ID# _____ Site Name SURE OIL Today's Date 12/20/92

Site Address 5755 BROADWAY EPA ID# _____

City OAKLAND CA Zip 94618 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
Hazardous Waste generated per month? _____

- Inspection Categories:**
- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
 - II. Business Plans, Acute Hazardous Materials
 - III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

- I.A GENERATOR (Title 22)**
- 1. Waste ID * 66471
 - 2. EPA ID 66472
 - 3. > 90 days 66508
 - 4. Label dates 66508
 - 5. Biennial 66493
-
- Manifest**
- 6. Records 66492
 - 7. Correct 66484
 - 8. Copy sent 66492
 - 9. Exception 66484
 - 10. Copies Rec'd 66492
-
- Misc.**
- 11. Treatment 66371
 - 12. On-site Diso. (H.S.&C.) 26189.5
 - 13. Ex Haz. Waste 66570
-
- Prevention**
- 14. Communications 67121
 - 15. Aisle Space 67124
 - 16. Local Authority 67126
 - 17. Maintenance 67120
 - 18. Training 67105
-
- Confin. Agency**
- 19. Prepared 67140
 - 20. Name List 67141
 - 21. Copies 67141
 - 22. Emg. Coord. Trng. 67144
-
- Containers, Tanks**
- 23. Condition 67241
 - 24. Compatibility 67242
 - 25. Maintenance 67243
 - 26. Inspection 67244
 - 27. Buffer Zone 67246
 - 28. Tank Inspection 67259
 - 29. Containment 67245
 - 30. Safe Storage 67261
 - 31. Freeboard 67257

Comments:

EMERGENCY RESPONSE - OAKLAND FIRE HAZMAT (2 CAPT. GASKIN)

(1) UNTIL FURTHER NOTICE CONDUCT DAILY MONITORING FOR GASOLINE VAPORS IN SANITARY SEWERS & STORM DRAINS IN DOWNSTREAM AREA FROM STATION. ALSO MONITOR WELLS ONSITE. REPORT ANY VAPOR LEVELS IN EXCESS 10% OF LEL (OFF SITE) TO OAKLAND FIRE COMMUNICATION (911) & ALSO HAZMAT ATTN SUSAN HULL (271-4726). MONITORING TO CONTINUE UNTIL RELEASED BY ALSO HAZMAT.

- I.B TRANSPORTER (Title 22)**
- 32. Applic./Insurance 66428
 - 33. Comp. Cert./CHP Insp. 66448
 - 34. Containers 66465
-
- Manifest**
- 35. Vehicles 66465
 - 36. EPA ID #s 66531
 - 37. Correct 66541
 - 38. HW Delivery 66543
 - 39. Records 66544
-
- Cont'n**
- 40. Name/ Covers 66545
 - 41. Recyclables 66600

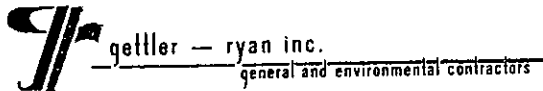
(2) TEST TANK MONITORING EQUIP & PRESSURE RELIEF DEVICES & RAIN JACKET LEAK DETECTORS ON MONDAY 12/21/92. FAX RESULTS TO MR AT (510) 569-4757.

Rev 6/88

Contact: Jeffrey Bauk
 Title: Member Subj Insp
 Signature: Jeffrey Bauk

Inspector: BRETT JOHNSON
 Signature: [Signature]

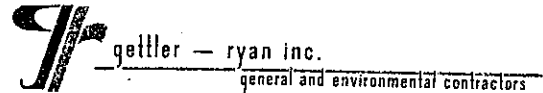
12/20/92



phil n. wright

res. (415) 373-8178
2150 west winton avenue

bus. (415) 783-7500
hayward, ca 94545-1787



dennis gan

2150 west winton avenue
hayward, ca 94545-1787

bus. (510) 783-7500
ext. 240



Chevron U.S.A. Inc.
2410 Camino Ramon, San Ramon, California
Mail P.O. Box 5004, San Ramon, CA 94583-0804
Phone (510) 842-8758

Kenneth L. Kan
Marketing Operations
Environmental Management and Engineering
West Central Region

JAMES W. ROCKAFELLOW
WASTEWATER TREATMENT SUPERINTENDENT
SPECIAL DISTRICT NO. 1



EAST BAY MUNICIPAL UTILITY DISTRICT
P.O. BOX 24055, OAKLAND, CA 94623-1055
(415) 465-3700

J. F. BAUR

Sales Representative
East Bay District
SHELL OIL CO.

P.O. Box 4023
CONCORD, CA 94524
(510) 675-6139

LISA K. WATERS

HS&E Representative
East Bay District
SHELL OIL CO.

P.O. Box 4023
CONCORD, CA 94524
(510) 675-6143

Shell Oil Company



P. O. Box 5278
Concord, CA 94520-9998
(510) 675-6165

92 JUL -6 PM 2:42

JULY 2, 1992

ALAMEDA COUNTY HEALTH CARE SERVICES
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, RM. 200
OAKLAND, CA 94621
ATTN: JENNIFER EBERLE

3618

SUBJECT: SHELL SERVICE STATION
5755 BROADWAY
OAKLAND, CA 94618

Dear Ms. Eberle:

This letter responds to your June 4, 1992 letter to Shell Oil Co. The letter requested that Shell supply you with the following information:

- * The owner of the property
- * 1985 Tank removal information
- * Any soil and/or groundwater sampling during tank removal
- * First Quarter of 1992 Technical Report

From our information, the owner of the property is Ted Orden. Our records indicate his address is 10,000 Lakewood Blvd., Downey, CA 90240. The hazardous waste manifests, soil sampling, and laboratory results are attached. All the information is pertaining to the tank replacement and site investigation. The Quarterly Technical Report for the first quarter of 1992 is under separate cover.

If you have any other questions please call me at (510) 675-6168.

Thank you,

D. T. Kirk

D. T. Kirk
Environmental Engineer
Shell Oil Co.

cc: Rich Hiatt, Regional Water Quality Control Board
Joseph P. Theisen - Weiss Associates, 5500 Shellmound
St., Emeryville, CA 94608

DATE: 1/2/92
TO : Local Oversight Program
FROM: Larry Seib
SUBJ: Transfer of Eligible Oversight Case

Site name: Broadway Shell #204

Address: 5755 Broadway city Oakland zip 94612

Closure plan attached? Y N DepRef remaining \$ 308.00

DepRef Project # 6027A STID #(if any) 3618

Number of Tanks: 3 removed? Y N Date of removal N/A

Samples received? Y N Contamination: Gasoline

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

Monitoring wells on site 3 Monitoring schedule? Y N

LUFT category 1 2 3 * H S C A R W G

Briefly describe the following:

Preliminary Assessment Soil borings and monitoring wells

Remedial Action None

Post Remedial Action Monitoring 1/4 monitoring

Enforcement Action None

discovery
9-18-89

John MT 0244

153
Form designed for use on elite (12-pitch) typewriter.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CAX000235895**
Manifest Document No. **06153**

2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. SHELL OIL COMPANY Mailing Address
**P. O. BOX 6249
CARSON, CA 90749**

**GENERATING SITE
SHELL STATION
5755 BROADWAY
OAKLAND, CA**

A. State Manifest Document Number
84841916

5. Transporter 1 Company Name
TT CORPORATION, BENICIA

6. US EPA ID Number
CAD980673222

B. State Generator's ID

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID
67299

9. Designated Facility Name and Site Address
**TT CORPORATION, BENICIA FACILITY
LAKE HERMAN ROAD
BENICIA, CA 94510**

10. US EPA ID Number
CAD000060012

D. Transporter's Phone
707-375-146

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID
CAD000060012

H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HAZARDOUS WASTE SOLID N.O.S., ORM-E, NA9189

12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
001	D-T	0020	Y	611

Additional Descriptions for Materials Listed Above
**SOIL CONTAMINATED WITH HYDROCARBONS
SOLIDS - 100%, OIL - LESS THAN 1%, HCVP - 800ppm
TOXIC METALS WITHIN ALLOWABLE LIMITS**

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
**AVOID CONTACT WITH EYES AND SKIN. WEAR RUBBER GLOVES.
WASTE STREAM NUMBER 84270**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: **Albert R Garcia**
Signature: *Albert R Garcia*
Date: **9/19/85**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **FARRELL Cloud**
Signature: *Farrell Cloud*
Date: **9/20/85**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: _____
Signature: _____
Date: _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: **James G. Kraft**
Signature: *James G. Kraft*
Date: **09/29/85**

84841916

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CAX000235895**
 Manifest Document No. **06153**

2. Page 1 of 1
 Information in the shaded areas is not required by Federal law.

3. SHELL OIL COMPANY
 P. O. BOX 6249
 CARSON CA 90749
 4. Generator's Phone (213) 513-2037

GENERATING SITE
 SHELL STATION
 5755 BROADWAY
 OAKLAND CA

A. State Manifest Document Number
84841923

5. Transporter 1 Company Name
 IT CORPORATION, BENICIA

6. US EPA ID Number
CAD980673222

B. State Generator's ID
06153

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID
62388

9. Designated Facility Name and Site Address
 IT CORPORATION, BENICIA FACILITY
 LAKE HERMAN ROAD
 BENICIA, CA 94510

10. US EPA ID Number
CAD000060012

D. Transporter's Phone
510-211-3100

E. State Transporter's ID
60060012

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wtr/Vol	15. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S., ORM-E, NA9189	001	DT	00020 Y 611
b.			
c.			
d.			

J. Additional Descriptions for Materials Listed Above
 SOIL CONTAMINATED WITH HYDROCARBONS
 SOLIDS - 100%, OIL - LESS THAN 1%, HCVF - 800ppm
 TOXIC METALS WITHIN ALLOWABLE LIMITS

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
 AVOID CONTACT WITH EYES AND SKIN. WEAR RUBBER GLOVES.
 WASTE STREAM NUMBER 84270

Job # **MT0244**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: **Albret R. Garcia**
 Signature: *Albret R. Garcia*
 Date: **9/10/85**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: **Bill Walker**
 Signature: *Bill Walker*
 Date: **09/10/85**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name: _____
 Signature: _____
 Date: _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
 Printed/Typed Name: **Raymond Elliott**
 Signature: *Raymond Elliott*
 Date: **09/10/85**

84841923

06153

(Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CAX0000235895**
Manifest Document No. **06759**

2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SHELL OIL COMPANY
P. O. BOX 6249
CARSON, CA 90749

GENERATING SITE
SHELL STATION
5755 BROADWAY
OAKLAND, CA

A. State Manifest Document Number
84841925

5. Transporter 1 Company Name
TT CORPORATION, BENICIA

6. US EPA ID Number
CAD980673222

B. State Generator's ID
06759

7. Transporter 2 Company Name
TT CORPORATION, BENICIA

8. US EPA ID Number
CAD980673222

C. State Transporter's ID
62888

9. Designated Facility Name and Site Address
TT CORPORATION, BENICIA FACILITY
LAKE HERMAN ROAD
BENICIA, CA 94510

10. US EPA ID Number
CAD000060012

D. Transporter's Phone
415-863-1111

E. State Transporter's ID
62888

F. Transporter's Phone
415-863-1111

G. State Facility's ID
CAD000060012

H. Facility's Phone
415-863-1111

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit	15. WTS (%)
No.	Type	Wt/Vol	
a.			
b.	001	DT	000300 Y
c.			
d.			

a. HAZARDOUS WASTE SOLID N.O.S., ORM-F, NA9189

b.

c.

d.

Additional Descriptions for Materials Listed Above
SOIL CONTAMINATED WITH HYDROCARBONS
SOLIDS 100%, OIL LESS THAN 1%, HCVP 800ppm
TOXIC METALS WITHIN ALLOWABLE LIMITS

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
AVOID CONTACT WITH EYES AND SKIN. WEAR RUBBER GLOVES.
WASTE STREAM NUMBER 84270

Job # MT0244

18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name
Albert R. Garcia

Signature
Albert R. Garcia

Date
Month Day Year
9/10/85

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Bill Walker

Signature
Bill Walker

Date
Month Day Year
9/10/85

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Bill Walker

Signature
Bill Walker

Date
Month Day Year
9/10/85

19. Discrepancy Indication Space

20. Facility Owner or Operator, Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name
James G. Knott
Signature
James G. Knott
Date
Month Day Year
09/10/85

84841925

(Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CAX000235895**
Manifest Document No. **06753**

2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Mailing Address
**SHELL OIL COMPANY
P.O. BOX 6249
CARSON CA 90749**
4. Generator's Phone (213) **513-2037**

GENERATING SITE
**SHELL STATION
5755 BROADWAY
OAKLAND CA**

A. State Manifest Document Number
84841921

B. State Generator's ID

5. Transporter 1 Company Name
ITT CORPORATION, BENICIA

6. US EPA ID Number
CAD98067322

C. State Transporter's ID

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone **8129-1-8**
E. State Transporter's ID **2285100**

9. Designated Facility Name and Site Address
**ITT CORPORATION, BENICIA FACILITY
LAKE HERMAN ROAD
BENICIA CA 94510**

10. US EPA ID Number
CAD000060012

G. State Facility's ID
CAD000060012

H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type
13. Total Quantity
14. Unit Wt/Vol
15. Waste No.

a. **HAZARDOUS WASTE SOLID N.O.S. ORM-E, NA9189**

0 0 1 D T 0 0 0 2 0 Y 611

b.
c.
d.

Additional Descriptions for Materials Listed Above
**SOIL CONTAMINATED WITH HYDROCARBONS
SOLIDS 100% OIL LESS THAN 1% HCVP 800ppm
TOXIC METALS WITHIN ALLOWABLE LIMITS**

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
**AVOID CONTACT WITH EYES AND SKIN. WEAR RUBBER GLOVES.
WASTE STREAM NUMBER 84270**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and national governmental regulations.

Printed/Typed Name **Aldret K. Garcia** Signature *[Signature]* Date **9 19 85**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **Kevin Horner** Signature *[Signature]* Date **9 20 1985**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Date _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. **U#1 20y**
Printed/Typed Name **Julius Montgomerie** Signature *[Signature]* Date **9 19 85**

84841921

Type: (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CAX000235895** Manifest Document No. **106153**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law

3. Shipping Address
**PH. O. BOX 6249
CARSON, CA 90749**

4. GENERATING SITE
**SHELL STATION
5755 BROADWAY
OAKLAND, CA**

A. State Manifest Document Number
84841920

B. State Generator's ID

5. Transporter 1 Company Name
TT CORPORATION, BENICIA

6. US EPA ID Number
CAD98067322

C. State Transporter's ID
67293

D. Transporter's Phone
707-745-8765

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
**TT CORPORATION, BENICIA FACILITY
LAKE HERMAN ROAD
BENICIA, CA 94510**

10. US EPA ID Number
CAD000060012

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type

13. Total Quantity

14. Unit

15. Waste No.

a. **HAZARDOUS WASTE SOLID N.O.S., ORM-E, NA9189**

0 0 1 D T

0 0 0 2 0

Y

611

b.

c.

d.

Additional Descriptions for Materials Listed Above
**SOIL CONTAMINATED WITH HYDROCARBONS
SOLIDS > 100% OIL LESS THAN 1% HCVP - 800ppm
TOXIC METALS WITHIN ALLOWABLE LIMITS**

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
**AVOID CONTACT WITH EYES AND SKIN. WEAR RUBBER GLOVES.
WASTE STREAM NUMBER 84270**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name
Albert R Garcia

Signature
Albert R Garcia

Date
9/9/85

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
TOM HANSEN

Signature
Tom Hansen

Date
09/09/85

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name

Signature

Date

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. **LF# 1 207**

Printed/Typed Name
Stacy Allgaier

Signature
S. Allgaier

Date
9/9/85

While: TSDf SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P. O. Box 3000, Sacramento CA 95812

84841920

John H. M.T. 004

Use print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CAX000235895** Manifest Document No. **08159**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law.

3. Generator's Mailing Address
**P. O. BOX 6249
CARSON, CA 90749**

GENERATING SITE
**SHELL STATION
5755 BROADWAY
OAKLAND, CA**

A. State Manifest Document Number
84841918

6. Transporter 1 Company Name
ITT CORPORATION, BENICIA

8. US EPA ID Number
CAD980673222

B. State Generator's ID

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID
110978

9. Designated Facility Name and Site Address
**ITT CORPORATION, BENICIA FACILITY
LAKE HERMAN ROAD
BENICIA, CA 94510**

10. US EPA ID Number
CAD000060012

D. Transporter's Phone
929-5100

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID
ICAD000060012

H. Facility's Phone

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type 13. Total Quantity 14. Unit wt/vol

HAZARDOUS WASTE SOLID N.O.S., ORM-E, NA9189

0-0-1 D-T 0 0-0-2-0 Y

HAZARDOUS WASTE SOLID N.O.S., ORM-E, NA9189

0-0-1 D-T 0 0-0-2-0 Y

HAZARDOUS WASTE SOLID N.O.S., ORM-E, NA9189

0-0-1 D-T 0 0-0-2-0 Y

HAZARDOUS WASTE SOLID N.O.S., ORM-E, NA9189

0-0-1 D-T 0 0-0-2-0 Y

15. Additional Descriptions for Materials Listed Above
**SOIL CONTAMINATED WITH HYDROCARBONS
SOLIDS 100% OIL LESS THAN 1% HCVP - 800ppm
TOXIC METALS WITHIN ALLOWABLE LIMITS**

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
**AVOID CONTACT WITH EYES AND SKIN. WEAR RUBBER GLOVES.
WASTE STREAM NUMBER 84270**

18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name **Albert R Garcia** Signature **Albert R Garcia** Date **9/9/85**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **Calvin Harner** Signature **Calvin Harner** Date **9/9/85**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Date _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. **LFH 204**
Printed/Typed Name **Julius Montgomery** Signature **Julius Montgomery** Date **9/9/85**

84841918

96153

Print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CAX000235895** Manifest Document No. **06153**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law.

3. **SHEETS METAL COMPANY** Mailing Address

GENERATING SITE
SHELL STATION
5755 BROADWAY
OAKLAND, CA

A. State Manifest Document Number **84841917**

P. O. BOX 6249
CARSON, CA 90749

4. Generator's Phone (213) **513-2037**

B. State Generator's ID

5. Transporter 1 Company Name
TT CORPORATION, BENICIA

6. US EPA ID Number
CAD980673222

C. State Transporter's ID **61297**

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone

9. Designated Facility Name and Site Address
TT CORPORATION, BENICIA FACILITY
LAKE HERMAN ROAD
BENICIA, CA 94510

10. US EPA ID Number
CAD000060012

E. State Transporter's ID

F. Transporter's Phone

G. State Facility ID **CA000060012**

H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
001	00020	Y	611

HAZARDOUS WASTE SOLID N.O.S., ORM-E, NA9189

13. Additional Descriptions for Materials Listed Above
SOIL CONTAMINATED WITH HYDROCARBONS
SOLIDS 100% OIL LESS THAN 1% HCVP 800ppm
TOXIC METALS WITHIN ALLOWABLE LIMITS

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information

AVOID CONTACT WITH EYES AND SKIN. WEAR RUBBER GLOVES.
WASTE STREAM NUMBER 84270

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

L.J. Job#

Printed/Typed Name: **Albert R. Garcia** Signature: *Albert R. Garcia* Date: **9/9/85**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **Tom Hansen** Signature: *Tom Hansen* Date: **9/9/85**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Date: **9/9/85**

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: **James G. Kutt** Signature: *James G. Kutt* Date: **9/10/85**

84841917

MA 0244

06153

Use print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAX000235895
Manifest Document No. 86153

2. Page 1 of 1 Information in the shaded areas is not required by Federal law.

3. Mailing Address
SHELL OIL COMPANY
P.O. BOX 6249
CARSON, CA 90749
Generator's Phone (213) 513-2037

GENERATING SITE
SHELL STATION
5755 BROADWAY
OAKLAND, CA

A. State Manifest Document Number
84841924

B. State Generator's ID

C. State Transporter's ID 61297-8

D. Transporter's Phone 228-5100

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID
CAD000060012

H. Facility's Phone

4. Transporter 1 Company Name
TT CORPORATION, BENICIA

6. US EPA ID Number
CAD980673222

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
TT CORPORATION, BENICIA FACILITY
LAKE HERMAN ROAD
BENICIA, CA 94510

10. US EPA ID Number
CAD000060012

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
001	DT	00020	Y	611

a. HAZARDOUS WASTE SOLID N.O.S., ORM-E, NA9189

b.

c.

d.

Additional Descriptions for Materials Listed Above
SOIL CONTAMINATED WITH HYDROCARBONS
SOLIDS 100% OIL LESS THAN 17% HCVP 800ppm
TOXIC METALS WITHIN ALLOWABLE LIMITS

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
AVOID CONTACT WITH EYES AND SKIN. WEAR RUBBER GLOVES.
WASTE STREAM NUMBER 84270

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name: Albert R Garcia
Signature: Albert R Garcia
Date: 7/10/85

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Calvin Harner
Signature: Calvin Harner
Date: 8/9/85

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: [Blank]
Signature: [Blank]
Date: [Blank]

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: James G Knott
Signature: James G Knott
Date: 8/9/1985

84841924

M.F. 244

Type (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA X 0-0-0-2-35-8-9-5
Manifest Document No. 0-6-1-5-3

2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Mailing Address
SHELL OIL COMPANY
P. O. BOX 6249
CARSON, CA 90749
Generator's Phone (213) 513-2037

GENERATING SITE
SHELL STATION
5755 BROADWAY
OAKLAND, CA

A. State Manifest Document Number
84841922

6. Transporter 1 Company Name
TT CORPORATION, BENICIA

8. US EPA ID Number
CAD 98-0-6-7-3-2-2-2

B. State Generator's ID

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID
D. Transporter's Phone
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
TT CORPORATION, BENICIA FACILITY
LAKE HERMAN ROAD
BENICIA, CA 94510

10. US EPA ID Number
CAD 00-0-0-6-0-0-1-2

G. State Facility's ID
H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
001	D-T	0020	Y	61

HAZARDOUS WASTE SOLID N.O.S., ORM-E, NA9189

J. Additional Descriptions for Materials Listed Above
SOIL CONTAMINATED WITH HYDROCARBONS
SOLIDS 100% OIL LESS THAN 1% HCVP 800ppm
TOXIC METALS WITHIN ALLOWABLE LIMITS

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
AVOID CONTACT WITH EYES AND SKIN. WEAR RUBBER GLOVES.
WASTE STREAM NUMBER 84270

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and national governmental regulations.

Printed/Typed Name: ALBERT R. GARCIA
Signature: [Signature]
Date: 9/10/85

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Calvin Hanner
Signature: [Signature]
Date: 9/10/85

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Name]
Signature: [Signature]
Date: [Date]

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Julius Montgomery
Signature: [Signature]
Date: 9/10/85

84841922

Model or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

C A X 0 0 . 0 . 2 . 3 5 8 . 9 . 5

Manifest Document No. 0819

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Mailing Address

P. O. BOX 6249
CARSON, CA 90749

4. Generator's Phone (213) 513-2037

GENERATING SITE

SHELL STATION

5755 BROADWAY

OAKLAND, CA

A. State Manifest Document Number 84841919

B. State Generator's ID

C. State Transporter's ID 21299

D. Transporter's Phone 707-745-9415

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID CAD000060012

H. Facility's Phone

5. Transporter 1 Company Name
IT CORPORATION, BENICIA

6. US EPA ID Number
C A D 9 8 0 . 6 . 7 . 3 2 2 2

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
IT CORPORATION, BENICIA FACILITY
LAKE HERMAN ROAD
BENICIA, CA 94510

10. US EPA ID Number
C A D 0 0 0 . 0 . 6 . 0 0 1 2

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

a. HAZARDOUS WASTE SOLID N.O.S., ORM-E, NA9189

12. Containers No. Type

0 0 1 D T

13. Total Quantity

0 0 0 2 0

14. Unit Wt/Vol

Y

15. Waste No. 511

16. Additional Descriptions for Materials Listed Above

SOIL CONTAMINATED WITH HYDROCARBONS

SOLIDS 100% OIL LESS THAN 1% HCVP 800ppm

TOXIC METALS WITHIN ALLOWABLE LIMITS

K. Handling Codes for Wastes Listed Above

03

15. Special Handling Instructions and Additional Information

AVOID CONTACT WITH EYES AND SKIN. WEAR RUBBER GLOVES.

WASTE STREAM NUMBER 84270

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

Printed/Typed Name Signature Date

Albert R Garcia

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Date

THOMAS Cloud

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Date

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Signature Date

James G. Kott

10 09 85

84841919

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

June 4, 1992

STID 3618

Shell Oil Co.
PO Box 5278
Concord CA 94520
Attn: Dan Kirk

RE: 5755 Broadway
Oakland CA 94618

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

Dear Mr. Kirk,

The case file for the above referenced site has been reassigned to Jennifer Eberle, Hazardous Materials Specialist. Please forward future correspondence to her attention.

As per a telephone conversation on June 4, 1992 between yourself and J. Eberle of this office, you indicated that Shell Oil Co. does not own the property at the above referenced site, but that they lease it. From whom do they lease it, or who is the property owner? The County Assessor's records indicate that Shell is indeed the property owner.

During this conversation, you also indicated that Shell installed doubled-walled underground storage tanks (USTs) at this site within the past ten years. Our records indicate that the existing three, double-walled USTs were installed in 1985. Our records also indicate that four, single-walled USTs were installed in 1980. Therefore, it appears that the four, single-walled USTs were removed between 1980 and 1985.

This office does not have any information regarding the removal of these USTs. Soil and/or groundwater sampling may have been conducted at the time of UST removal. Therefore, you are requested to provide this office documentation of UST removal and soil/groundwater sampling **within 30 days** from the date of this letter, or **by July 4, 1992**. Please include hazardous waste manifests for the disposal of tanks and/or soil; a diagram including sample locations; and laboratory results for the sampling.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

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

March 13, 1992

ucl

CALIFORNIA DEPARTMENT OF ENVIRONMENTAL HEALTH
MAR 19 1992
QUALITY CONTROL CARD

Mr. Mohamad Ali
California Pacific Investments
210 Fell Street
San Francisco, CA 94102

RE: 5775 Broadway Street, Oakland, CA 94618

Dear Mr. Ali:

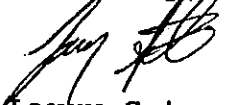
Our office has reviewed your Soil Investigation and Excavation Report received in our office on February 14, 1992, and the Fax transmittal dated February 19, 1992 that was prepared by Riedel Environmental Services. Those reports represent that excavations were performed in areas of known contamination until non-detectable was obtained in all confirmatory samples with the exception of one sample that revealed 15 PPM of Oil and Grease. In one former gas tank location confirmatory samples could not be taken because the pit was excavated to bedrock. Previous investigations identified up to 985 PPM and 25 PPM of Oil and Grease in the soil and water respectively. With the current data and information available to this office, further excavation is not required at this time. However, if conditions change, you maybe required to perform further excavation.

The August 10, 1990 Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites requires the installation of monitoring wells at the site. Riedel Enviromental has proposed installation of three monitoring wells.

Based upon all the current data and information reviewed by this office, and the current guidelines of the Regional Board, should these wells be monitored on a monthly basis for groundwater elevation, and groundwater is sampled on a quarterly basis for a

period of one year during a year with normal rainfall, and the groundwater contaminates are non-detectable, it can be reasonably anticipated that this office will recommend site closure to the Regional Water Quality Control Board.

Sincerely,



Larry Seto

Sr. Hazardous Materials Specialist

cc: Alfred Knoll, Attorney at Law
J. Mark Inglis, Riedel Environmental
Gail Jones, Riedel Environmental
Mark Thompson, Alameda County District Attorney's Office
Gil Jensen, Alameda County District Attorney's Office
✓ RWQCB
Howard Hatayama, DTSC
Rafat Shahid, Assistant Agency Director, Environmental Health
Susan Hugo, Hazardous Materials, Local Oversight Program

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)

January 6, 1992

Ms. Lisa Waters
Shell Oil Company
P.O. Box 4023
Concord, CA 94524

RE: Shell Station, 5755 Broadway, Oakland, CA 94618

Dear Ms. Waters:

On December 21, 1991, a leak in one of the pipeline for your underground storage tank was discovered. Before this pipeline can be put back into operation, a Modification/Installation plan needs to be submitted to this office for approval with a Deposit/Refund check for \$459.00 made payable to the County of Alameda. I will be the inspector that will review this plan.

The contact person in my office for the investigation and the remediation at the above site is Ms. Susan Hugo.

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

Sincerely

A handwritten signature in black ink, appearing to read 'Larry Seto', written over a horizontal line.

Larry Seto

cc: ~~Susan Hugo~~, Hazardous Materials
Gil Jensen, Alameda County District Attorney's Office
Consumer and Environmental Protection
Dan Kirk, Shell Oil Company
Rich Hiatt, RWQCB
Ed Howell, Chief, Hazardous Materials
Dept. of Toxic Substance Control

Shell Oil Company



P. O. Box 5278
Concord, CA 94520-9998
(415) 685-3850

LARRY SETO
ALAMEDA COUNTY
HEALTH CARE SERVICES
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621

DEAR MR. SETO:

ENCLOSED IS A CHECK FOR THE AMOUNT OF \$350.00 FOR OVERSITE
EXPENSES AT 5755 BROADWAY, OAKLAND. IF YOU HAVE ANY
QUESTIONS REGARDING THIS SITE PLEASE DIRECT THEM TO ME.

JACK P. BRASTAD

A handwritten signature in black ink, appearing to read "Jack Brastad", written over the typed name.

SENIOR ENVIRONMENTAL ENGINEER

91 AUG -2 FILE
11 2:34
16

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 Mailer # P 367 604 434

July 17, 1991

Mr. Ray Newsome
Shell Oil Company
P.O. Box 4023
Concord, CA 94524

SECOND NOTICE

RE: 5755 Broadway, Oakland, CA

Dear Mr. Newsome:

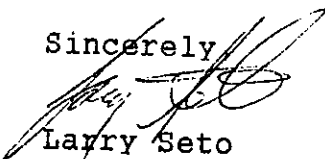
Please submit a deposit/refund check for \$375.00, made payable to the County of Alameda that will be used to compensate this office for the time we spend working on the above site.

This deposit is authorized under Section 3-141.6 of the Ordinance Code of the County of Alameda and is used to cover the expenses incurred by the county personnel in the execution of their oversight responsibilities associated with the project. Records of the time county employees commit to the project are maintained and the deposit is charged an hourly rate of \$67.00. Upon completion of the project, the balance of the deposit will be refunded to you.

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

LS:lp

Sincerely,


Larry Seto
Senior Hazardous Materials Specialist

7/23/91 Cisa Waters (Shell) @ 695-6143 said she will send this letter to Jack Brasel to follow-up on.

cc: Gil Jensen, Alameda County District Attorney
RWQCB
Charlene Williams, DHS
John Soldering, City of Oakland
Rafat Shahid, Alameda County Assistant Agency Director
files

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 Mailer # P 062 127 775

April 18, 1991

Mr. Ray Newsome
Shell Oil Company
P.O. Box 4023
Concord, CA 94524

RE: 5755 Broadway, Oakland, CA

Dear Mr. Newsome:

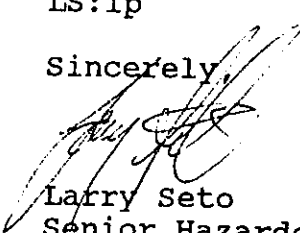
Please submit a deposit/refund check for \$375.00, made payable to the County of Alameda that will be used to compensate this office for the time we spend working on the above site.

This deposit is authorized under Section 3-141.6 of the Ordinance Code of the County of Alameda and is used to cover the expenses incurred by the county personnel in the execution of their oversight responsibilities associated with the project. Records of the time county employees commit to the project are maintained and the deposit is charged an hourly rate of \$67.00. Upon completion of the project, the balance of the deposit will be refunded to you.

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

LS:lp

Sincerely,


Larry Seto
Senior Hazardous Materials Specialist

cc: Gil Jensen, Alameda County District Attorney
RWQCB
Charlene Williams, DHS
John Soldering, City of Oakland
Rafat Shahid, Alameda County Assistant Agency Director
files

01

R4

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

EMERGENCY YES NO HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? YES NO

FOR LOCAL AGENCY USE ONLY
 I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE
 SIGNED: *[Signature]* DATE: 6/13/91

REPORT DATE: 0 M 2 M 2 D 8 D 9 Y 1 Y CASE #

REPORTED BY
 NAME OF INDIVIDUAL FILING REPORT: Mr. Jack Brastad PHONE: (415) 675-6127 SIGNATURE: *[Signature]* DATE: JUN 05 1991
 REPRESENTING: OWNER/OPERATOR REGIONAL BOARD LOCAL AGENCY OTHER
 COMPANY OR AGENCY NAME: Shell Oil Company
 ADDRESS: 1390 Willow Pass Road, Suite 900, Concord, CA 94520

RESPONSIBLE PARTY
 NAME: Shell Oil Company CONTACT PERSON: Mr. Jack Brastad PHONE: (415) 675-6127
 ADDRESS: 1390 Willow Pass Road, Suite 900 Concord, CA 94520

SITE LOCATION
 FACILITY NAME (IF APPLICABLE): Broadway Shell OPERATOR: Bijan Banapour PHONE: (415) 547-4101
 ADDRESS: 5755 Broadway Oakland, Alameda 94612
 CROSS STREET: Taft TYPE OF AREA: RESIDENTIAL COMMERCIAL INDUSTRIAL RURAL OTHER
 TYPE OF BUSINESS: RETAIL FUEL STATION FARM OTHER

IMPLEMENTING AGENCIES
 LOCAL AGENCY: Alameda County Environmental Health Dept. CONTACT PERSON: Mr. Rafat Shahid PHONE: (415) 271-4374
 REGIONAL BOARD: San Francisco Bay Regional Water Quality Control Board CONTACT PERSON: Mr. Tom Callaghan PHONE: (415) 464-1255

SUBSTANCES INVOLVED
 (1) Gasoline QUANTITY LOST (GALLONS): UNKNOWN
 (2)

DISCOVERY/ABATEMENT
 DATE DISCOVERED: 0 M 8 M 0 D 1 D 8 Y 5 Y HOW DISCOVERED: INVENTORY CONTROL SUBSURFACE MONITORING TANK TEST TANK REMOVAL OTHER
 DATE DISCHARGE BEGAN: UNKNOWN METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY):
 REMOVE CONTENTS REPLACE TANK CLOSE TANK
 REPAIR TANK REPAIR PIPING CHANGE PROCEDURE
 OTHER
 HAS DISCHARGE BEEN STOPPED? YES NO IF YES, DATE

SOURCE/CAUSE
 SOURCE OF DISCHARGE: TANK LEAK UNKNOWN
 TANKS ONLY/CAPACITY: _____ GAL. AGE: 5 YRS MATERIAL: FIBERGLASS STEEL OTHER
 CAUSE(S): OVERFILL RUPTURE/FAILURE CORROSION UNKNOWN SPILL OTHER

CASE TYPE
 CHECK ONE ONLY: UNDETERMINED SOIL ONLY GROUNDWATER DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS
 CHECK ONE ONLY: SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) CLEANUP IN PROGRESS SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY)
 NO ACTION TAKEN POST CLEANUP MONITORING IN PROGRESS NO FUNDS AVAILABLE TO PROCEED EVALUATING CLEANUP ALTERNATIVES

REMEDIAL ACTION
 CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS):
 CAP SITE (CD) EXCAVATE & DISPOSE (ED) REMOVE FREE PRODUCT (FP) ENHANCED BIO DEGRADATION (IT)
 CONTAINMENT BARRIER (CB) EXCAVATE & TREAT (ET) PUMP & TREAT GROUNDWATER (GT) REPLACE SUPPLY (RS)
 TREATMENT AT HOOKUP (HU) NO ACTION REQUIRED (NA) OTHER (OT) See Comments

COMMENTS
 Monitoring and assessment activities are ongoing both on and off site.
 THIS FORM IS NOW BE A DUPLICATE. NEW FORMS SUBMITTED TO ASSURE FILE IS COMPLETE.

HELL OIL CORPORATION
QUARTERLY REPORT TO THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
County of ALAMEDA

Date of Report: 01/11/91

Site ID: 5510-0303 5755 BROADWAY ⁰¹ City of OAKLAND

Actions in past three months: OBTAINED AND ANALYZED QUARTERLY GROUND-WATER SAMPLES. PREPARED QUARTERLY REPORT.

Actions planned for next three months: EVALUATE GROUND-WATER SAMPLE ANALYSES, HYDRAULIC GRADIENT, AND OBTAIN QUARTERLY SAMPLES.

Soil contamination defined?	No	Soil clean-up in progress?	No
Free product plume defined?	No	Free product clean-up in progress?	No
Dis'ld const'nt plume defined?	No	Dis'ld const'nt clean-up in progress?	No

Contractor: HLA

Site ID: 0642-1709 2996 SHATTUCK City of BERKELEY

Actions in past three months: SAMPLED GROUNDWATER AND ANALYZED FOR BTEX, TPH (GASOLINE) AND TPH (DIESEL). PREPARED QUARTERLY REPORT. BAILED FREE PRODUCT OUT OF ONE WELL ON BI-WEEKLY BASIS.

Actions planned for next three months: CONTINUE TO SAMPLE GROUNDWATER QUARTERLY. BAIL FREE PRODUCT BI-WEEKLY.

Soil contamination defined?	No	Soil clean-up in progress?	No
Free product plume defined?	No	Free product clean-up in progress?	No
Dis'ld const'nt plume defined?	No	Dis'ld const'nt clean-up in progress?	No

Contractor: HLA

Site ID: 5508-3301 6039 COLLEGE AVE City of OAKLAND

Actions in past three months: WE ARE PREPARING A QUARTERLY TECHNICAL REPORT INCLUDING THE FOURTH QUARTER SAMPLING RESULTS FOR THE TRANSMITTAL TO RWQCB.

Actions planned for next three months: OBTAIN RIGHT-OF-ENTRY AND ENCROACHMENT TO INSTALL ADDITIONAL WELLS ON ADJACENT PROPERTY.

Soil contamination defined?	No	Soil clean-up in progress?	No
Free product plume defined?	No	Free product clean-up in progress?	No
Dis'ld const'nt plume defined?	No	Dis'ld const'nt clean-up in progress?	No

Contractor: HLA

SHELL OIL CORPORATION
QUARTERLY REPORT TO THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
County of ALAMEDA Date of Report: 10/11/90

Site ID: 5510-0303 5755 BROADWAY City of OAKLAND

66303

Actions in past three months: OBTAINED AND ANALYZED QUARTERLY GROUND-WATER SAMPLES. PREPARED QUARTERLY REPORT.

Actions planned for next three months: EVALUATE GROUND-WATER SAMPLE ANALYSES, HYDRAULIC GRADIENT, AND OBTAIN QUARTERLY SAMPLES. INSTALL TWO ADDITIONAL OFF-SITE MONITORING WELLS.

01

Soil contamination defined?	No	Soil clean-up in progress?	No
Free product plume defined?	No	Free product clean-up in progress?	No
Dis'ld const'nt plume defined?	No	Dis'ld const'nt clean-up in progress?	No

Contractor: HLA

Site ID: 0642-1709 2996 SHATTUCK City of BERKELEY

Actions in past three months: SAMPLED GROUNDWATER AND ANALYZED FOR BTEX, TPH (GASOLINE) AND TPH (DIESEL). PREPARED QUARTERLY REPORT. BAILED FREE PRODUCT OUT OF ONE WELL.

Actions planned for next three months: CONTINUE TO SAMPLE GROUNDWATER QUARTERLY. BAIL FREE PRODUCT WEEKLY.

Soil contamination defined?	No	Soil clean-up in progress?	No
Free product plume defined?	No	Free product clean-up in progress?	No
Dis'ld const'nt plume defined?	No	Dis'ld const'nt clean-up in progress?	No

Contractor: HLA

Site ID: 5508-3301 6039 COLLEGE AVE City of OAKLAND

Actions in past three months: WE ARE PREPARING A QUARTERLY TECHNICAL REPORT INCLUDING THE THIRD QUARTER SAMPLING RESULTS FOR THE TRANSMITTAL TO RWQCB.

Actions planned for next three months: OBTAIN RIGHT-OF-ENTRY AND ENCROACHMENT TO INSTALL ADDITIONAL WELLS ON ADJACENT PROPERTY.

Soil contamination defined?	No	Soil clean-up in progress?	No
Free product plume defined?	No	Free product clean-up in progress?	No
Dis'ld const'nt plume defined?	No	Dis'ld const'nt clean-up in progress?	No

Contractor: HLA

SHELL OIL CORPORATION
QUARTERLY REPORT TO THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
County of ALAMEDA

01
Date of Report: 06/27/90

Site ID: 5510-0303 5755 BROADWAY City of OAKLAND

Actions in past three months: OBTAINED AND ANALYZED QUARTERLY GROUND-WATER SAMPLES. PREPARED QUARTERLY REPORT.

Actions planned for next three months: EVALUATE GROUND-WATER SAMPLE ANALYSES, HYDRAULIC GRADIENT, AND OBTAIN QUARTERLY SAMPLES. INSTALL TWO ADDITIONAL OFF-SITE MONITORING WELLS.

Soil contamination defined?	No	Soil clean-up in progress?	No
Free product plume defined?	No	Free product clean-up in progress?	No
Dis'ld const'nt plume defined?	No	Dis'ld const'nt clean-up in progress?	No

Contractor: HLA

Site ID: 0642-1709 2996 SHATTUCK City of BERKELEY

Actions in past three months: DRILLED AND INSTALLED TWO MONITORING WELLS. SAMPLED GROUNDWATER AND ANALYZED FOR BTEX, TPH (GASOLINE) AND TPH (DIESEL).

Actions planned for next three months: FIVE SOIL BORINGS WILL BE DRILLED AT THE TIME OF A PLANNED TANK REMOVAL.

Soil contamination defined?	No	Soil clean-up in progress?	No
Free product plume defined?	No	Free product clean-up in progress?	No
Dis'ld const'nt plume defined?	No	Dis'ld const'nt clean-up in progress?	No

Contractor: HLA

Site ID: 5508-3301 6039 COLLEGE AVE City of OAKLAND

Actions in past three months: WE ARE PREPARING A QUARTERLY TECHNICAL REPORT INCLUDING THE SECOND QUARTER SAMPLING RESULTS FOR THE TRANSMITTAL TO RWQCB.

Actions planned for next three months: OBTAIN RIGHT-OF-ENTRY AND ENCROACHMENT TO INSTALL ADDITIONAL WELLS ON ADJACENT PROPERTY.

Soil contamination defined?	No	Soil clean-up in progress?	No
Free product plume defined?	No	Free product clean-up in progress?	No
Dis'ld const'nt plume defined?	No	Dis'ld const'nt clean-up in progress?	No

Contractor: HLA

SHELL OIL CORPORATION

QUARTERLY REPORT TO THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CITY OF OAKLAND

Date of Report: 01/10/90

Site ID: 8810-0803 5755 BROADWAY

City of OAKLAND

Actions in past three months: OBTAINED AND ANALYZED QUARTERLY GROUND-WATER SAMPLES.

Actions planned for next three months: EVALUATE GROUND-WATER SAMPLE ANALYSES, HYDRAULIC GRADIENT, AND OBTAIN QUARTERLY SAMPLES.

Soil contamination defined?	No	Soil clean-up in progress?	No
Free product plume defined?	No	Free product clean-up in progress?	No
Dis'd const'nt plume defined?	Yes	Dis'd const'nt clean-up in progress?	No

Contractor: HLA

Site ID: 0642-1709 2995 SHATTUCK

City of BERKELEY

Actions in past three months: SAMPLED SOIL STOCKPILE AND OBSERVATION WELL ON SITE. SHELL AND HLA PERSONNEL ARRANGED PICK-UP AND DISPOSAL OF CONTAMINATED SOIL EXCAVATED FROM TANK AREA.

Actions planned for next three months: WILL COMPLETE SOIL CONTAMINATION MAPPING AND IMPLEMENT IT. WILL CONTINUE TO ASSESS THE SITE FOR SOIL AND GROUND-WATER CONTAMINATION.

Soil contamination defined?	No	Soil clean-up in progress?	No
Free product plume defined?	No	Free product clean-up in progress?	No
Dis'd const'nt plume defined?	No	Dis'd const'nt clean-up in progress?	No

Contractor: HLA

Site ID: 8508-3301 6039 COLLEGE AVE

City of OAKLAND

Actions in past three months: HLA PERFORMED A PRELIMINARY SITE ASSESSMENT AND PREPARED A WORK PLAN FOR A SOIL AND GROUND-WATER INVESTIGATION.

Actions planned for next three months: DRILL SEVEN SOIL BORINGS ONSITE TO IDENTIFY POSSIBLE AREAS OF HYDROCARBON CONTAMINATION. FOUR MONITORING WELLS WILL BE INSTALLED ON SITE IF WARRANTED BY RESULTS OF THE SOIL INVESTIGATION.

Soil contamination defined?	No	Soil clean-up in progress?	No
Free product plume defined?	No	Free product clean-up in progress?	No
Dis'd const'nt plume defined?	No	Dis'd const'nt clean-up in progress?	No

Contractor: HLA

Shell Oil Company

One Shell Plaza
 P. O. Box 2463
 Houston, Texas 77252

J. C. Jacobsen
 Vice President
 Finance

April 20, 1989

I am the chief financial officer of Shell Oil Company, P. O. Box 2463, Houston, Texas 77252. This letter is in support of the use of the financial test of self-insurance to demonstrate financial responsibility for taking corrective action and/or compensating third parties for bodily injury and property damage caused by sudden accidental releases and/or nonsudden accidental releases in the amount of at least \$1,000,000 per occurrence and \$2,000,000 annual aggregate arising from operating underground storage tanks (UST).

Underground storage tanks at the following facilities are assured by this financial test or a financial test under an authorized state program by this owner or operator:

All tanks are assured by this financial test:

- See Attachment A for Retail Locations;
- See Attachment B for Distribution Locations;
- See Attachment C for Manufacturing Locations;
- See Attachment D for All Other Locations.

A financial test is also used by this owner or operator to demonstrate evidence of financial responsibility in the following amounts under other EPA regulations or state programs authorized by EPA under 40 CFR Parts 271 and 145:

<u>EPA Regulations</u>	<u>California Amount</u>
Closure (Sec. 264.143 and Sec. 265.143)	\$ -
Post-Closure Care (Sec. 264.145 and Sec. 265.145)	\$ -
Liability Coverage (Sec. 264.147 and Sec. 265.147)	\$ -
Corrective Action (Sec. 264.101(b))	\$ -
Plugging and Abandonment (Sec. 144.63)	\$ -
Closure	\$39,702,351
*Post-Closure Care	\$42,451,345
Liability Coverage	\$10,000,000
Corrective Action	\$ -
Plugging and Abandonment	\$ 1,012,257
Total	\$93,165,953

*30 Year Post-Closure Care

BQM8901105 - 0001.0.0

This owner or operator has not received an adverse opinion, a disclaimer of opinion, or a "going concern" qualification from an independent auditor on his financial statements for the latest completed fiscal year*.

Alternative I

1. Amount of annual UST aggregate coverage being assured by a financial test, and/or guarantee.	\$	2,000,000	
2. Amount of corrective action, closure and post-closure care costs, liability coverage, and plugging and abandonment costs covered by a financial test, and/or guarantee.	\$	93,165,953	
3. Sum of lines 1 and 2.	\$	95,165,953	
4. Total tangible assets*.		\$27,169,000,000	
5. Total liabilities*.		\$11,788,000,000	
6. Tangible net worth* (subtract line 5 from line 4).		\$15,381,000,000	
		<u>Yes</u>	<u>No</u>
7. Is line 6 at least \$10 million?		<u>X</u>	<u> </u>
8. Is line 6 at least 10 times line 3?		<u>X</u>	<u> </u>
9. Have financial statements for the latest fiscal year been filed with the Securities and Exchange Commission*?		<u>X</u>	<u> </u>
10. Have financial statements for the latest fiscal year been filed with the Energy Information Administration?		<u>N/A</u>	<u> </u>
11. Have financial statements for the latest fiscal year been filed with the Rural Electrification Administration?		<u>N/A</u>	<u> </u>
12. Has financial information been provided to Dun and Bradstreet, and has Dun and Bradstreet provided a financial strength rating of 4A or 5A?		<u> </u>	<u>X</u>

*Period ended December 31, 1988.

Alternative II

- 1. Amount of annual UST aggregate coverage being assured by a test and/or guarantee. \$
- 2. Amount of corrective action, closure and post-closure care costs, liability coverage, and plugging and abandonment costs covered by a financial test, and/or guarantee. \$
- 3. Sum of lines 1 and 2. \$
- 4. Total tangible assets*. \$
- 5. Total liabilities*. \$
- 6. Tangible net worth (subtract line 5 from line 4)*. \$
- 7. Total assets in the U.S. \$
- 8. Is line 6 at least \$10 million?

Yes	No
_____	_____
- 9. Is line 6 at least 6 times line 3?

_____	_____
-------	-------
- 10. Are at least 90 percent of assets located in the U.S. (if "No", complete line 11)?

_____	_____
-------	-------
- 11. Is line 7 at least 6 times line 3 (fill in either lines 12-15 or lines 16-18)?

_____	_____
-------	-------
- 12. Current assets. \$
- 13. Current liabilities. \$
- 14. Net working capital (subtract line 13 from line 12). \$
- 15. Is line 14 at least 6 times line 3?

Yes	No
_____	_____
- 16. Current bond rating of most recent bond issue? _____
- 17. Name of rating service. _____
- 18. Date of maturity of bond. _____
- 19. Have financial statements for the latest fiscal year been filed with the SEC, the Energy Information Administration, or the Rural Electrification Administration? _____

*Latest 1988

I hereby certify that the wording of this letter is identical* to the wording specified in 40 CFR Part 280.95(d) as such regulations were constituted on the date shown immediately below.



Signature

J. C. Jacobsen
Name

Vice President Finance
Title

April 20, 1989
Date

Attachments

*Typographical errors have been corrected; explanatory footnotes have been added where appropriate.

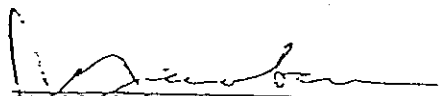
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CERTIFICATION OF FINANCIAL RESPONSIBILITY

Shell Oil Company hereby certifies that it is in compliance with the requirements of Subpart H of 40 CFR Part 280.

The financial assurance mechanism used to demonstrate financial responsibility under Subpart H of 40 CFR Part 280 is as follows:

Financial test of self-insurance per 40 CFR Sec. 280.95.



Shell Oil Company
S. E. Jacobsen
Vice President Finance
April 20, 1989



S. H. Hillman
April 20, 1989

Shell Oil Company



EAST BAY
MARKETING DISTRICT

P.O. Box 4023
Concord, CA 94524
(415) 676-1414

September 16, 1988

Mr. Rafat Shahid
Alameda County
Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

Dear Mr. Shahid:

RE: UNDERGROUND STORAGE UNAUTHORIZED RELEASE (LEAK) CONTAMINATED
SITE REPORT

I received letters dated August 6, 1988 regarding Shell station 5755 Broadway, Oakland and August 31, 1988 regarding Shell station 4255 MacArthur Boulevard, Oakland, CA requesting action for unauthorized releases reported by Hunter Environmental Services.

On September 15, 1988 I discussed the above locations with Liz Rose and apparently there's a mistake regarding 5755 Broadway, Oakland. All test results in your files indicate all systems passed. Shell's original tank test dated June 29, 1988 was cancelled due to water level above all tanks. Testing was rescheduled and all systems passed.

Shell station at 4255 MacArthur Boulevard, Oakland, California failed a high level test on all systems. Failure was isolated to spill containment fill boxes and repairs made and retested entire system successfully. A copy of the report was mailed to your office by Petroleum Engineering.

Shell Oil Company would like a clear understanding of what constitutes an unauthorized discharge during tank testing. If a vapor, vent or riser pipe fails during a high level test, is that considered an unauthorized discharge, require standard procedures of notification and clean-up procedures.

Please discuss the above comments and reply. If you have any questions, please call me at (415) 676-1414, Ext. 128.

Very truly yours,

R. G. Newsome
Sr. District Engineer

RGN:jm

RECEIVED
SEP 20 1988

HAZARDOUS MATERIALS/
WACHT 09/20/88



August 26, 1988

Shell Service Station
5755 Broadway
Oakland, CA 94618

Subject: Underground Storage Tank Unauthorized Release
(Leak)

Dear Sirs:

Our office received a report of a failed underground storage tank test from Hunter Environmental Services, Inc. The California Administrative Code, Title 23, requires all unauthorized releases to be reported. Section 2652(b) requires within 5 working days of detecting the release, the operator or permittee shall submit to the local agency (Alameda County Hazardous Materials Division) a full written report to include all of the following information which is known at the time of filing the report:

- (1) List of type and quantity of hazardous substances released.
- (2) The results of all investigations completed at that time to determine the extent of soil or ground water or surface water contamination due to the release.
- (3) Method of cleanup implemented to date, proposed cleanup actions, and approximate cost of actions taken to date.
- (4) Method and location of disposal of the released hazardous substance and any contaminated soils or ground water or surface water (indicate whether a hazardous waste manifest(s) is utilized).
- (5) Proposed method of repair or replacement of the primary and secondary containers.
- (6) Facility operator's name and telephone number.

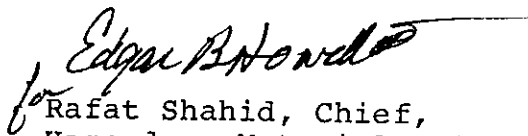
Shell Service Station
5755 Broadway
Oakland, CA
page 2 of 2
August 26, 1988

Until cleanup is complete, the operator or permittee shall submit reports to the County and the Regional Water Quality Control Board (RWQCB) Every 3 months or at a more frequent interval if specified by either agency. The reports shall include the information requested in (2), (3), and (4) of the above. The report requested above shall be prepared in accordance with the San Francisco Regional Water Quality Board's "Guidelines for Addressing Fuel Leaks", September 1985. The Initial investigation report shall be submitted within 30 Days and shall include a site safety plan.

Soils contaminated at hazardous waste concentrations shall be transported by a licensed hazardous hauler and disposed of or treated at a California Department of Health Services approved facility. Soils contaminated below hazardous waste concentrations may be managed as non-hazardous but are subject to waste discharge requirements of the Regional Board.

Enclosed is an "Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report" which should be completed and returned within 5 working days. Should you have any questions regarding this letter please contact Lowell Miller, Sr. Hazardous Materials Specialist at (415) 271-4320.

Sincerely,


for Rafat Shahid, Chief,
Hazardous Materials Division

RAS:LM:jcc

Enclosure

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FUELLEAK CASE RECORD

REVIEW DATE: 07/28/87
SITE NAME: SHELL SERVICE STATION
STREET NO.:
STREET: BROADWAY
CITY: OAKLAND
COUNTY: 01
PRIORITY: III
RANK:
SUBSTANCE/PRIMARY: 8006619
SUBSTANCE/SECONDARY:
CASE TYPE: N
STATUS: N

SOIL AFFECTED: Y
MAXIMUM SOIL CONCENTRATION (ppm): 3
MAXIMUM RESIDUAL SOIL CONCENTRATION (ppm):
SOIL STATUS: N
DEPTH TO GROUNDWATER: 3
GROUNDWATER AFFECTED: Y
MAXIMUM GROUNDWATER IMPACT: 2400
GROUNDWATER STATUS: N
DRINKING WATER AFFECTED: 0
DRINKING WATER STATUS: N
REMEDIAL ACTION: NT
DATE OF LAST CORR.: 08/01/85

SHELL LEAK RESPONSE PLAN

INTRODUCTION

IT IS THE PURPOSE OF THIS SECTION TO ESTABLISH BASIC GUIDELINES AND PROCEDURES FOR USE BY THE SHELL OIL CO. FOR THE HANDLING OF PRODUCT SPILLS/LEAKS WHICH MAY OCCUR AT SHELL FACILITIES. DESIGN AND INSTALLATION IMPROVEMENTS ARE CONTINUOUSLY BEING EVALUATED AND IMPLEMENTED IN ORDER TO REDUCE, AND ELIMINATE, THE POTENTIAL FOR PRODUCT LEAKAGE.

RESPONSIBLE SHELL PERSONNEL

NAME	TITLE	PHONE #
RAY NEWSOME	ENGINEER	(415) 676-1414 BUSINESS (415) 529-0439 HOME
DIANE LUNDQUIST	ENGINEER	(415) 676-1414 BUSINESS (415) 832-0564 HOME

RESPONSIBLE CONTRACTOR

GETTLER-RYAN INC. (415) 783-7500 24 HOURS
1992 NATIONAL AVE.
HAYWARD CA.

LEAK VERIFICATION

WHEN A SERVICE STATION PRODUCT LOSS IS SUSPECTED OR REPORTED, THE FOLLOWING LEAK VERIFICATION PROCEDURES WILL APPLY:

1. THE SHELL ENGINEER WILL ARRANGE FOR THE SHELL TERRITORY MANAGER TO IMMEDIATELY (THE SAME DAY) VISIT THE STATION TO REVIEW THE DEALER'S PHYSICAL CONTROL OF PRODUCTS AND INVENTORY RECORDS.
2. AT THE SAME TIME, THE ENGINEER WILL ORDER A PUMP/DISPENSER CALIBRATION, ASSURE METERS ARE SEALED, INSPECT ACCESSIBLE POTENTIAL LEAK SOURCES, AND CHECK LEAK DETECTOR OPERATION (ON REMOTE SYSTEMS).

3. ALSO, THE ENGINEER SHALL START MAINTAINING A PRODUCT LOSS LOG AS WELL AS A RECORD OF SIGNIFICANT DAILY LEAK-RELATED ACTIVITIES.
4. IF THE ABOVE INVESTIGATIONS PROVE INCONCLUSIVE, THE TERRITORY MANAGER SHOULD IMMEDIATELY BEGIN A DAILY INVENTORY LOG (EXHIBIT B), WHICH WOULD BE MAINTAINED FOR A MINIMUM PERIOD OF 48 HOURS AND A MAXIMUM OF 7 DAYS, FOR SUBSTANTIATION OF A SUSPECTED LEAK. DEPENDING ON THE CIRCUMSTANCES (POTENTIAL HAZARDOUS CONDITION, ETC.), IT MAY BE NECESSARY TO TAKE ADDITIONAL LEAK RESPONSE ACTION DURING THE PERIOD OF INVENTORY.
5. IF PRODUCT LOSSES ARE VERIFIED, PRODUCT LINES AND/OR TANKS MAY REQUIRE TESTING TO DETERMINE THE LEAK SOURCE.
 - A. PRODUCT LINES MAY BE TESTED USING AIR PRESSURE (APPROXIMATELY 50 PSI) OR A SHELL-APPROVED LINE TESTING SYSTEM (E.G., KENT-MOORE). SHOULD THE LINE TESTS INDICATE LEAKING LINES, THEY SHALL BE REPAIRED OR REPLACED AND RETESTED TO ASSURE THE LEAK HAS BEEN STOPPED. IN ADDITION, A PRODUCT LOG INVENTORY CHECK SHOULD BE MAINTAINED FOR A PERIOD OF 7 DAYS AFTER THE LINE REPAIRS TO ASSURE THERE ARE NO OTHER LEAKS IN THE SYSTEM.
 - B. SHOULD THE TEST INDICATE THE LINES ARE NOT LEAKING OR IF A SHORTAGE CONTINUES AFTER THE LINES HAVE BEEN REPAIRED, THE UNDERGROUND TANK(S) SHALL BE TESTED BY A PRECISION OR OTHER APPROVED PROCEDURE. (SEE N.F.P.A. 329.)
NOTE: LOCAL FIRE CODES AND ORDINANCES MAY DICTATE THE APPROPRIATE TESTING PROCEDURES FOR USE ON UNDERGROUND TANKS. AIR TESTS OF UNDERGROUND TANKS ARE NOT RECOGNIZED AS CONCLUSIVE, ARE DEEMED UNSAFE BY MANY FIRE PREVENTION AGENCIES, AND SHOULD NOT BE USED. IF THE TANK TEST INDICATES ONE OR MORE TANK LEAKS, REPAIR OR REPLACEMENT WILL BE COMPLETED.

CORRECTIVE ACTION

1. THE SHELL ENGINEERING STAFF SHALL TAKE IMMEDIATE ACTION TO STOP, CONTAIN, AND SHALL TAKE IMMEDIATE DECISIVE ACTION TO RELIEVE THE THREAT OF PUBLIC HEALTH AND SAFETY HAZARDS, OR PROPERTY DAMAGE.
2. IT MAY BE APPROPRIATE TO OBTAIN SAMPLES OF THE RELEASED PRODUCT FOR TESTING AND IDENTIFICATION BY SHELL LABORATORY.

3. OBSERVATION WELLS WILL ONLY BE INSTALLED WITH HEAD OFFICE, MARKETING ENGINEERING, ENVIRONMENTAL GUIDANCE. IF LOCAL AUTHORITIES AND/OR CONDITIONS DEMAND IMMEDIATE INSTALLATION, THEN INSTALL THE TEST WELLS IN ACCORDANCE WITH STANDARDS SHOWN FOR MINIMUM FOUR INCH PVC PIPE WITH INSTALLATION. (SEE OBSERVATION WELL DRAWING ENCLOSED.)

IF FORCED, BY SITUATION, TO INSTALL OBSERVATION WELLS OFF SITE ON PUBLIC PROPERTY, ACQUIRE LOCAL AUTHORITY APPROVAL OR WRITTEN ORDER TO PERFORM THE WORK.

4. OBSERVATION WELL INSTALLATION STANDARDS (SEE OBSERVATION WELL DETAIL ATTACHED).

- A. INSTALL OBSERVATION WELLS IN LOCATIONS SPECIFIED AND/OR APPROVED BY HEAD OFFICE, MARKETING ENGINEERING, ENVIRONMENTAL.
- B. DRILL (AUGER) A MINIMUM 12 INCH DIAMETER HOLE TO A DEPTH OF AT LEAST 5 FEET BELOW THE MINIMUM WATER TABLE.
- C. INTO THE HOLE, INSTALL 4 INCH OR 6 INCH DIAMETER SCHEDULE 40 SLOTTED AND BLANK PVC PIPE, WITH PIPE SIZE DEPENDENT UPON THE SITE'S GEOLOGY AND LOCAL REGULATIONS. SLOTTED PIPE SHALL HAVE FACTORY-CUT TWENTY-THOUSANDTHS (.020) INCH SLOTS.
- D. USE SLOTTED PIPE FROM THE BOTTOM OF THE WELL HOLE TO APPROXIMATELY 3 FEET ABOVE THE MAXIMUM GROUNDWATER TABLE, CONSIDERING WATER TABLE FLUCTUATION. THE SLOTTED PIPE SHALL BE CAPPED AT THE BOTTOM.
- E. THE BLANK PIPE SECTION ATTACHES TO THE TOP OF THE SLOTTED PIPE AND EXTENDS UPWARD TO JUST BELOW GRADE ELEVATION. AVOID USING GLUE TO COUPLE THE PIPE SECTIONS; RATHER, USE THREADED PVC PIPE OR OTHER COUPLING METHODS WHENEVER POSSIBLE. A LOCKABLE CAP SHALL BE INSTALLED ON TOP OF THE BLANK PIPE.
- F. ONCE THE SLOTTED AND BLANK PIPE HAS BEEN SET IN THE HOLE, BACKFILL WITH A FILTER PACK OF POROUS MATERIAL SUCH AS PEA GRAVEL. THE FILTER PACK SHOULD BE FILLED AROUND THE PIPE TO AT LEAST 2 FEET ABOVE THE TOP OF THE SLOTTED SECTION. DO NOT BACKFILL AROUND THE SLOTTED PIPE WITH CLAY OR OTHER MATERIAL WHICH WOULD IMPEDE GROUNDWATER FLOW INTO THE OBSERVATION WELL.

- G. ABOVE THE FILTER PACK, BACKFILL WITH CLEAN, DRILLED SOIL MATERIAL TO APPROXIMATELY 2 TO 3 FEET BELOW GRADE, AND TOP THE BACKFILL WITH A SURFACE SEAL OF CEMENT GROUT OR PACKED CLAY TO PREVENT SURFACE CONTAMINATION FROM INFILTRATING THE FILTER PACK AND ENTERING THE WELL.
- H. "DEVELOP" THE OBSERVATION WELL BY FLOODING IT WITH WATER AND THEN PUMPING IT OUT. THIS ACTION WILL DRAW DRILLING MUD AND FINE PARTICLES OUT OF THE FILTER PACK, IMPROVING THE PERFORMANCE OF THE WELL.
- I. AUGURED HOLE SOIL CHARACTERISTICS WILL BE RECORDED.
- J. OBSERVATION WELLS SHALL BE PROTECTED FROM DAMAGE DUE TO TRAFFIC OR OTHER HAZARDS AND REMAIN ACCESSIBLE FOR FUTURE USE AND OBSERVATION. WHERE LOCATED IN TRAFFIC AREAS, DRIVEWAY MANHOLES AND COVERS SHALL BE INSTALLED.

5. OBSERVATION WELL MONITORING AND DATA

- A. ESTABLISH A BENCHMARK AND DETERMINE THE RELATIVE ELEVATIONS AT THE TOP OF EACH TEST WELL PIPE.
- B. MONITOR THE WATER AND DEPTHS IN EACH PIPE.
NOTE: IT IS IMPORTANT THAT ALL MEASUREMENTS BE FROM THE TOP OF EACH PIPE TO THE WATER AND/OR PRODUCT LEVELS IN EACH PIPE. RECORD MEASUREMENTS TO THE NEAREST EIGHTH INCH.
- C. PRODUCT SHOULD BE PUMPED OUT OF THE OBSERVATION WELLS ONLY WHEN DIRECTED BY HEAD OFFICE. PREMATURE REMOVAL OF SAID PRODUCT COULD CAUSE INCORRECT WELL "READINGS".

WELL EQUIPMENT/MATERIALS

1. OBSERVATION WELL PIPE

- A. SCHEDULE 40 PVC PIPE (4.5" OD-.237 WALL THICKNESS) AVAILABLE IN BOTH FACTORY SLOTTED AND STANDARD PIPE WITH FITTINGS AND CAPS AVAILABLE.

SLOTTED PIPE TO BE FACTORY SLOTTED WITH RANDOM SLOTS OF TWENTY THOUSANDS OF AN INCH (.020).
- B. SIX, EIGHT, TEN AND TWELVE INCH SCHEDULE 40 PVC PIPE ALSO AVAILABLE WITH FACTORY MACHINE SLOTS AT TWENTY THOUSANDTHS OF AN INCH.

C. FACTORY SLOTTED PIPE AVIALABLE FROM THE FOLLOWING MANUFACTURERS:

1. 2" TO 14" AVAILABLE
GATOR PLASTICS INC.
BOX 15020 BROADVIEW STATION
BATON ROUGE, LOUISIANA 70815
TELEPHONE: 504-926-0100 MR. TOM HAYES
2. 2" TO 14" AVILABALE
HYDROPHYLLIC INDUSTRIES
5815 A NORTH AMERICAN
PUYALLUP, WASHINGTON 98371
TELEPHONE: 206-927-4321 MR. PHIL GALLAGHER
3. 2" TO 12" AVAILABLE
DIVERSIFIED WELL PRODUCTS, INC.
P.O. BOX 3495
FULLERTON, CALIFORNIA 92634
TELEPHONE: 714-632-9334 MR. KURT GOSS
4. 2" TO 12" AVAILABLE
HANDEX
703 GENESI DRIVE
MORGANVILLE, NEW JERSEY 07751
TELEPHONE: 201-536-8500 MR. GREG REUTER
5. 2" TO 8" AVAILABLE
JET STREAM PLASTICS
SILOAM SPRINGS, ARKANSAS 72761
TELEPHONE: 501-524-5151

NOTE: IN ORDERING PIPE, REMEMBER TO ORDER POLYVINYL CHLORIDE (PVC) PIPE. BE CAREFUL THAT A SUPPLIER DOES NOT SUBSTITUTE ACRYLONITRILE-BUTADIENE-STYRENE (ABS), WHICH TENDS TO BECOME BRITTLE WITH WEATHERING. SELECTION OF THE CORRECT WELL CASING AND RELATED PRODUCTS IS OF PARAMOUNT IMPORTANCE. MISAPPLICATION AND IMPROPER SELECTION CAN BE THE SOURCE OF POTENTIAL WELL FAILURE.

IT IS RECOMMENDED THAT ALL PVC PIPE ORDERS BE SCHEDULE 40 PVC.

2. SUBMERGED PUMPS AND MISCELLANEOUS PRODUCT RECOVERY EQUIPMENT.

- A. THE EQUIPMENT SELECTED FOR A PRODUCT RECOVERY OPERATION WILL DEPEND UPON SPECIFIC CONDITIONS AT THE JOB SITE. THE HEAD OFFICE HYDROGEOLOGIST WILL SPECIFY THE EQUIPMENT TO BE USED FOR EACH SITUATION.

PRODUCT RECOVERY SYSTEMS

1. SHOULD A PRODUCT RECOVERY BE NEEDED THE DESIGN WILL VARY DEPENDING UPON THE SPECIFIC SITE CONDITIONS. IN SOME CASES, WHERE PRODUCT MOVEMENT IS CONFINED AND THE WATER TABLE IS RELATIVELY SHALLOW, A TRENCH MIGHT BE USED TO INTERCEPT AND COLLECT THE PRODUCT. IN OTHER SITUATIONS, WHERE PRODUCT MIGRATION IS WIDESPREAD AND/OR THE WATER TABLE IS REALTIVELY DEEP, THE "CONE OF DEPRESSION" RECOVERY WELL APPROACH MAY BE MOST EFFECTIVE. (SEE RECOVERY WELL DETAIL ATTACHED.) EXACT METHOD OF RECOVERY WILL BE APPROVED BY SHELL OIL CO., HEAD OFFICE MARKETING ENGINEERING, ENVIRONMENTAL.
2. IN A LIMITED NUMBER OF SITUATIONS, THE OBSERVATION WELL MAY BE USED EFFECTIVELY AS A PRODUCT RECOVERY WELL. THE FOLLOWING CONDITIONS MUST EXIST:
 - A. PRODUCT DEPTH IS NOT BEYOND THE LIFTING CAPABILITY OF AN APPROPRIATE PUMP.
 - B. PRODUCT LOST IS MIMINAL, CONCENTRATED IN THE AREA OF THE OBSERVATION WELLS, AND OF THICKNESS WHICH CAN BE SKIMMED OFF OF THE WATER TABLE.
 - C. PRODUCT IS CONTAINED IN AREA BY SOIL CHARACTERISTICS (CLAY, ROCK, ETC.) AND HAS MINIMAL MIGRATION.

HAZARDOUS MATERIAL REMOVAL

THE WATER/GASOLINE MIXTURE WILL BE REMOVED BY A LICENSED INDUSTRIAL WASTE HAULER (SUCH AS I.T. CORPORATION OR ACE INDUSTRIAL CLEANING INC.) AND RETURNED TO SHELL OIL COMPANY, MARTINEZ MANUFACTURING COMPLEX, MARTINEZ, CA 94553 FOR REPRECESSING.