

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

December 14, 2006

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

Major Brand Gas, Inc.
C/o Gursharnjeet Cheema
2712 Cowell Road
Concord, CA 94518

Subject: Fuel Leak Case No. [REDACTED] Shell, 350 Grand Avenue, Oakland, CA 94610 -
Request to Decommission Monitoring Wells

Dear Mr. Brown and Mr. Cheema:

Alameda County Environmental Health (ACEH) and California Regional Water Quality Control Board staff have reviewed the fuel leak case file and case closure summary for the above-referenced site and concur that no further action related to the underground storage tank fuel release is required at this time. Prior to issuance of a remedial action completion certificate, the monitoring wells installed at the site and off-site are to be properly destroyed, should the monitoring wells have no further use. Please decommission the monitoring wells and provide documentation of the well decommissioning to this office. A remedial action completion certificate will be issued following receipt of the documentation.

Well destruction permits may be obtained from the Alameda County Public Works Agency (<http://www.acgov.org/pwa/wells/index.shtml>). 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: Dennis Baertschi, Cambria Environmental Technology, 19449 Riverside Drive, Suite 230,
Sonoma, CA 95476

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

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September 28, 2006

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

Major Brand Gas, Inc.
C/o Gursharnjeet Cheema
2712 Cowell Road
Concord, CA 94518

Subject: Fuel Leak Case [REDACTED] Shell, 350 Grand Avenue, Oakland, CA 94610

Dear Mr. Brown and Mr. Cheema:

The fuel leak case file for the above-referenced site is under review for case closure by Alameda County Environmental Health (ACEH). If case closure is approved, the fuel leak case will be closed with the following site management requirement:

"Case closure for the fuel leak site is granted for commercial land use only. If a change in land use to residential or other conservative scenario occurs at this property, Alameda County Environmental Health must be notified and the case needs to be re-evaluated. This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination posing a nuisance for subsurface utility work."

Please provide the certification requested below in the Landowner Notification Requirements that you have notified all responsible landowners of the request for case closure.

LANDOWNER NOTIFICATION REQUIREMENTS

Pursuant to California Health & Safety Code Section 25297.15, the active or primary responsible party for a fuel leak case must inform all current property owners of the site of cleanup actions or requests for closure. Furthermore, ACEH may not consider any cleanup proposals or requests for case closure without assurance that this notification requirement has been met. Additionally, the active or primary responsible party is required to forward to ACEH a complete mailing list of all record fee title holders to the site.

For you to meet these requirements when submitting cleanup proposals or requests for case closure, ACEH requires that you:

1. Notify all current record owners of fee title to the site of any cleanup proposals or requests for case closure;
2. Submit a letter to ACEH which certifies that the notification requirement in 25297.15(a) of the Health and Safety Code has been met;

Mr. Denis Brown
Mr. Gursharnjeet Cheema
September 28, 2006
Page 2

3. Forward to ACEH a copy of your complete mailing list of all record fee title holders to the site; and
4. Update your mailing list of all record fee title holders, and repeat the process outlined above prior to submittal of any additional *Corrective Action Plan* or your *Request for Case Closure*.

Your written certification to ACEH (Item 2 above) must state, at a minimum, the following:

A. *In accordance with Section 25297.15(a) 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)*
- request for case closure*
- local agency intention to make a determination that no further action is required*
- local agency intention to issue a closure letter*

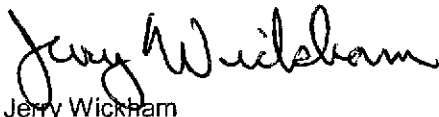
- OR -

B. *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.*

(Note: Complete item A if there are multiple site landowners. If you are the sole site landowner, skip item A and complete item B.)

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: Donna Drogos, ACEH
Jerry Wickham, ACEH
File

R0428

Wickham, Jerry, Env. Health

From: Brown, Denis L SOPUS-OP-COR-H [denis.l.brown@shell.com]
Sent: Tuesday, June 13, 2006 5:36 PM
To: Baertschi, Dennis; Wickham, Jerry, Env. Health
Cc: Miller, Jeff W SOPUS-DRN/381; Friel, Ana
Subject: RE: Future Status of Shell Station @ 350 Grand in Oakland (ACHCSA No. RO0000428)

This is correct. New leaseholder/owner intends to operate station.

Thanks

Denis Brown
Project Manager

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

707-865-0251
707-865-2542 (Fax)
707-290-9101 (Cell)

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

From: Baertschi, Dennis [mailto:dbaertschi@cambria-env.com]
Sent: Tuesday, June 13, 2006 5:03 PM
To: Wickham, Jerry, Env. Health
Cc: Brown, Denis L SOPUS-OP-COR-H; Miller, Jeff W SOPUS-DRN/381; Friel, Ana
Subject: Future Status of Shell Station @ 350 Grand in Oakland (ACHCSA No. RO0000428)

Jerry,

I was talking to Ana Friel recently and she mentioned that during a recent conversation with you regarding different Shell Sites, you had inquired as to what the intent was for the future use of the "temporarily" out-of-service Shell Station at 350 Grand in Oakland. I believe this question came about in relation to your review of Cambria's April 17, 2006, *Risk Evaluation and Request for Closure* document for the site.

Shell has indicated that they believe that it is the intent of the future Lessor of the site to operate it as a gas station because they have requested the UST's remain.

Hopefully this helps to address your question.

Let me know if I can be of further assistance.

Dennis Baertschi
Project Geologist
Cambria Environmental Technology, Inc
(707) 268-3813
dbaertschi@cambria-env.com

6/13/2006

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

February 8, 2006

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

Major Brand Gas, Inc.
C/o Gursharnjeet Cheema
1060 St. Raphael Drive
Bay Point, CA 94565

Subject: Fuel Leak Case No. [REDACTED] Shell, 350 Grand Avenue, Oakland, CA

Dear Mr. Brown and Mr. Cheema:

Alameda County Environmental Health (ACEH) staff has reviewed the case file and the report entitled, "Site Investigation Report," dated December 2, 2005, prepared on behalf of Shell by Cambria Environmental Technology, Inc. The report presents the results of a site investigation that included soil borings near the dispenser islands and storm drain in Perkins Street and one CPT boring in the vicinity of well S-2.

Based on the limited lateral extent of the groundwater plume and declining concentrations in well S-2, the report recommends conducting an evaluation for closure. ACEH concurs with conducting an evaluation for case closure. We request that you perform the proposed work and send us the reports described below.

TECHNICAL REPORT REQUEST

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

- **April 17, 2006** – Evaluation for Closure

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).

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

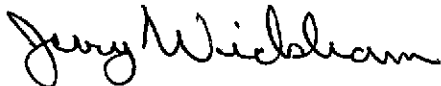
Denis Brown
Gursharnjeet Cheema
February 8, 2006
Page 3

AGENCY OVERSIGHT

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

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

Sincerely,



Jerry Wickham, P.G.
Hazardous Materials Specialist

cc: Ana Friel
Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, CA 95476

Donna Drogos, ACEH
Jerry Wickham, ACEH
File



Report Number : 46621

Date : 11/1/2005

Project Name : **Tesoro Station 67107**

Project Number : **67107**

Sample : **GW-Inf**

Matrix : Water

Lab Number : 46621-01

Sample Date :10/26/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/28/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/28/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/28/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/28/2005
Methyl-t-butyl ether (MTBE)	19	0.50	ug/L	EPA 8260B	10/28/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	10/28/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	10/28/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	10/28/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	10/28/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/28/2005
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	10/28/2005
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	10/28/2005

Approved By:

Joel Kiff

**MAXIMUM DOCUMENTED CONTAMINANT CONCENTRAT No information available from tank removals IONS
BEFORE AND AFTER CLEANUP**

(Please see Attachments 1 through 5 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	4,000	24,500 4,500	120,000 (1)	27,500 (1) 27,500 (1)
TPH (Diesel)	2,000	11,000 360	36,000 (7)	6,150 (7) 6,150 (7)
TPH (Motor Oil)			1,700	NA
Benzene	22	2.2 4.5	10,000	2,140 140
Toluene	210	2.57	1,200	38 26
Ethylbenzene	74	11	4,400	350 267
Xylenes	490	12	7,900	20 20
Heavy Metals - Lead	38	93	NA	NA
MTBE	2.52	2.52	30,200	2,411 411
Other (8240/8270)	NA	NA	NA	NA

- (1) Hydrocarbon does not match pattern of laboratory standard for gasoline.
- (2) Grab groundwater sample collected in 1999; results likely biased due to suspended sediment in the sample. The highest concentration of TPH as diesel detected in groundwater samples from monitoring wells is 630 ppb and does not match the pattern of laboratory standard for diesel.
- (3) Total lead; 49 ppm chromium; 82 ppm nickel; and 87 ppm zinc.
- (4) Total lead; 35 pp chromium; 250 ppb nickel; and 170 ppb zinc. Grab groundwater sample collected in 1999; results likely skewed due to suspended sediment in the sample.
- (5) MTBE <1 ppb; DIPE, ETBE, and TAME <4 ppb in groundwater; TBA <10 ppb in groundwater; EDC <0.5 ppb in groundwater.
- (6) Tetrachloroethene (PCE).
- (7) 58 ppb PCE; 5.1 ppb Trichloroethene; 13 ppb cis-1,2-dichloroethene; <0.5 ppb vinyl chloride.

(1) Most recent



Project Name : **Tesoro Station 67107**

Project Number : **67107**

Sample : **GW-DAT-Eff**

Matrix : Water

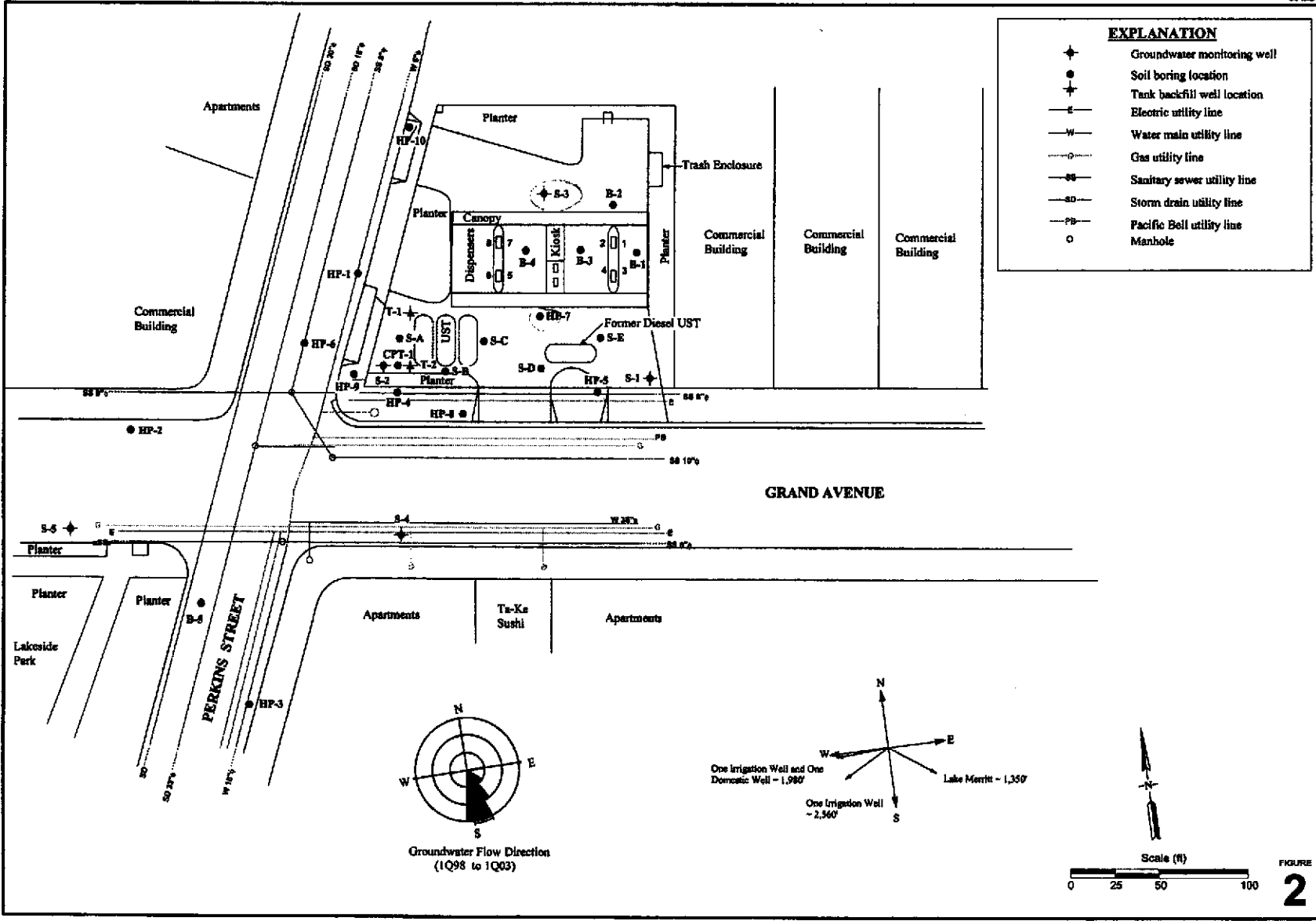
Lab Number : 46621-02

Sample Date :10/26/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/28/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/28/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/28/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/28/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/28/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	10/28/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	10/28/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	10/28/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	10/28/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/28/2005
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	10/28/2005
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	10/28/2005

Approved By:

Joel Kiff



D715

Wickham, Jerry, Env. Health

From: Wickham, Jerry, Env. Health
Sent: Thursday, October 06, 2005 12:36 PM
To: 'Brown, Denis L SOPUS-OP-COR-H'
Cc: Friel, Ana
Subject: 350 Grand Avenue in Oakland

Hi Denis,

Based on the extension request for the above referenced site dated September 29, 2005, the schedule for submittal of a technical report is extended to December 2, 2005.

Hope all is well.

Regards,
Jerry

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

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

July 5, 2005

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

Major Brand Gas, Inc.
C/o Gursharnjeet Cheema
1060 St. Raphael Drive
Bay Point, CA 94565

Subject: Fuel Leak Case No. ~~XXXXXXXXXX~~ Shell, 350 Grand Avenue, Oakland, CA – Work Plan Approval

Dear Mr. Brown and Mr. Cheema:

Alameda County Environmental Health (ACEH) staff has reviewed the case file and the work plan entitled, "Site Investigation Work Plan," dated December 27, 2004, prepared on behalf of Shell by Cambria Environmental Technology, Inc. The work plan describes a scope of work that includes two cone penetrometer (CPT) borings near storm drains in Perkins Street, four soil borings near the dispenser islands, one CPT boring in the vicinity of well S-2, and an evaluation as to whether soil gas sampling is warranted in the area of the kiosk. ACEH concurs with the work plan provided that the technical comments below are addressed. Based on staff review of the document referenced above, we request that you address the following technical comments, perform the proposed work, and send us the reports described below. Please provide 72-hour advance notification to ACEH prior to initiating field sampling activities.

TECHNICAL COMMENTS

1. **Proposed Soil Borings B-1 through B-4.** ACEH is concerned with the quality of soil samples obtained from borings in which an air knife is used. Volatile constituents in the soil are likely to be stripped off by the high pressure and vacuum from an air knife. Therefore, the soil samples are to be collected to the maximum extent possible using a hand auger. If a hand auger cannot be used and the boring is advanced with an air knife, it is likely that the soil samples will be too disturbed to provide reliable analytical results. Provided that the borings can be advanced using a hand auger, soil samples are to be collected from intervals where staining, odor, or elevated photoionization readings are observed. If no staining, odor, or elevated photoionization readings are observed, soil samples are to be collected at 5 foot intervals as proposed.

TECHNICAL REPORT REQUEST

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

- **August 15, 2005** - Quarterly Report for the Second Quarter 2005
- **November 8, 2005** - Site Investigation Report
- **November 15, 2005** - Quarterly Report for the Third Quarter 2005
- **February 15, 2006** - Quarterly Report for the Fourth Quarter 2005

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

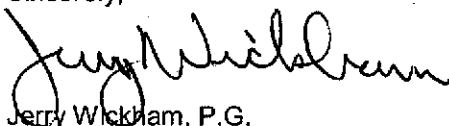
Denis Brown
Gurshamjeet Cheema
July 5, 2005
Page 3

AGENCY OVERSIGHT

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

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

Sincerely,



Jerry Wickham, P.G.
Hazardous Materials Specialist

cc: Ana Friel
Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, CA 95406

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

Hwang, Don, Env. Health

From: Hwang, Don, Env. Health
Sent: Tuesday, July 09, 2002 4:54 PM
To: 'Jacquelyn Jones'
Subject: RE: 350 Grand Avenue, Oakland - field work notification

Dear Jacquelyn, We would like additional work: a geoprobe downgradient from fuel tank & sampling along water line by HP-1 to delineate contamination. Don 567-6746

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

From: Jacquelyn Jones [mailto:jjones@cambria-env.com]
Sent: Tuesday, July 02, 2002 3:26 PM
To: dhwang@co.alameda.ca.us
Cc: KEPetryna@equiva.com
Subject: 350 Grand Avenue, Oakland - field work notification

Don Hwang,

As noted in our June 16, 2002 *Second Quarter 2002 Monitoring Report*, Cambria will be moving forward with the scope of work described in our December 20, 2001 *Subsurface Investigation Work Plan* for the referenced site. This scope of work includes the installation of two tank backfill wells and one boring onsite. The field work is currently scheduled for July 10, 2002. If you have any questions or comments, please feel free to call me.

Thank you,

Jacquelyn

Jacquelyn L. Jones

Project Geologist

Cambria Environmental Technology, Inc.

1144 65th Street, Suite B, Oakland, CA 94608

Direct Line: (510) 420-3316

Fax: (510) 420-9170

ALAMEDA COUNTY
HEALTH CARE SERVICES

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DAVID J. KEARS, Agency Director



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

March 29, 2002

Karen Petryna
Equiva Services LLC
PO Box 7869
Burbank, CA 91501-7869

Dear Ms. Petryna:

Subject: Fuel Leak Case No. RO0000428, Shell Service Station, 350 Grand Ave.,
Oakland, CA

Alameda County Environmental Health (ACEH) staff has reviewed "Subsurface Investigation Work Plan" dated December 20, 2001, prepared by Cambria Environmental Technology. The work plan proposes to advance 1 soil boring to collect soil and groundwater samples, and to install 2 groundwater recovery wells onsite. We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below.

TECHNICAL COMMENTS

Soil and Groundwater Sampling - The lateral and vertical extent of soil and groundwater contamination at your site is not adequately defined. HP-1, a hydropunch boring collected in the water main trench on January 27, 1993, found maximum groundwater concentrations of 22,000 ug/l Total Petroleum Hydrocarbons-Gasoline (TPH-G), 14,000 ug/l TPH-Diesel (TPH-D), and 2,500 ug/l Benzene. HP-4, installed in the sanitary sewer trench on March 1999, found maximum groundwater concentrations of 100,000 ug/l TPH-G, 83,000 ug/l TPH-D, and 2,000 ug/l Methyl Tertiary-Butyl Ether (MTBE). Utilities in the vicinity appear to be preferential pathways for contaminant migration. Please submit your proposal for plume definition in the amended workplan requested below. Include in your proposal your plan to collect groundwater samples within utility trenches.

TECHNICAL REPORT REQUEST

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

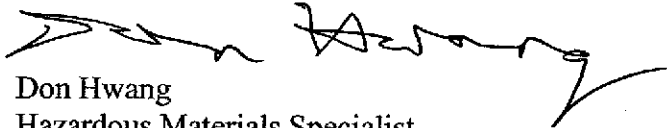
May 29, 2002 - Amended Workplan to include Soil and Groundwater Sampling

Ms. Petryna
March 29, 2002
Page 2 of 2

These reports are being requested pursuant to the Regional Water Quality Control Board's (Regional Board) authority under Section 13267 of the California Water Code.

If you have any questions, please call me at (510) 567-6746.

Sincerely,



Don Hwang
Hazardous Materials Specialist

C: Stephan Bork, Cambria Environmental Technology, Inc., 1144-65th St., Suite B,
Oakland, CA 94608

√File

C A M B R I A

February 11, 2002

Don Hwang
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
350 Grand Avenue
Oakland, California
Incident #98995755

FEB 14 2002



Dear Mr. Hwang:


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:

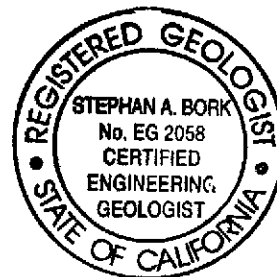
1. Directly contacting the county assessor's office.
2. Reviewing a private vendor database of assessor information, and/or
3. Reviewing Equiva's or Cambria's files.

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.

Major Brand Gas, Inc, C/O Gursharnjeet Cheema, 2238 Morello Ave., Pleasant Hill,
CA. 94523

Sincerely,


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



cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869
Major Brand Gas, Inc, C/O Gursharnjeet Cheema, 2238 Morello Ave., Pleasant Hill,
CA. 94523

Oakland, CA
San Ramon, CA
Sonoma, CA

**Cambria
Environmental
Technology, Inc.**

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

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

August 13, 2001

Karen Petryna
Equiva Services LLC
PO Box 7869
Burbank, CA 91501-7869

Dear Ms. Petryna:

Subject: Shell Service Station, 350 Grand Ave., Oakland, CA
RO0000428

Your consultant, Jacquelyn Jones, Cambria Environmental Technology, Inc., informed me that monitoring wells S-4 and S-5 were sampled and that the one-time dual-phase vacuum extraction (DVE) of S-2 has already been performed. The contaminant concentrations found for S-4 and S-5 were Not Detected (ND) or low, consistent with past sampling events. Please send me a copy of the report of the DVE when available.

If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist

C: Jacquelyn Jones, Cambria Environmental Technology, Inc., 1144-65th St., Suite B,
Oakland, CA 94608

a
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

August 1, 2001

Karen Petryna
Equiva Services LLC
PO Box 7869
Burbank, CA 91501-7869

Dear Ms. Petryna:

Subject: Shell Service Station, 350 Grand Ave., Oakland, CA
RO0000428

"1st Quarter 2001 Monitoring Report" dated June 27, 2001 prepared by Cambria Environmental Technology for the aforementioned site was reviewed. Monitoring well S-2, sampled on February 16, 2001, found Methyl Tertiary-Butyl Ether (MTBE), using EPA Method 8260B, at 21,000 ug/l, also, Total Purgeable Petroleum Hydrocarbons (TPPH) at 20,000 ug/l, Total Extractable Petroleum Hydrocarbons (TEPH) at <5,000 ug/l, benzene at 990 ug/l, toluene at 93 ug/l, and ethylbenzene at 450 ug/l, and xylene at 63 ug/l. These results were in the range of previous sampling events. S-1 and S-3 had Not Detected (ND) or low concentrations for all constituents sampled the same quarter. S-4 and S-5 were not sampled.

A one-time dual-phase vacuum extraction (DVE) of S-2 is proposed to remediate the elevated MTBE concentrations. This proposal is approved. Please notify me when DVE will occur.

As previously mentioned, delineation of the plume beyond monitoring well S-2 may not be complete although downgradient monitoring wells S-1 and S-4 have had Not Detected (ND) or low constituent concentrations. There exists the possibility that the plume may extend between S-1 and S-4. Thus, S-4 and S-5 needs to be made accessible for sampling. Also, groundwater sampling between monitoring wells S-1 and S-4 may be necessary.

If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist

C: Jacquelyn Jones, Cambria Environmental Technology, Inc., 1144-65th St., Suite B,
Oakland, CA 94608

✓ File

C A M B R I A

JUL 03 2001

JUL 03

June 28, 2001

Scott Seery
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
350 Grand Avenue
Oakland, California
Incident #98995755



Dear Mr. Seery:

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:

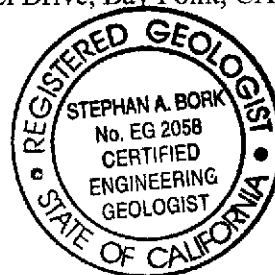
1. Directly contacting the county assessor's office.
2. Reviewing a private vendor database of assessor information, and/or
3. Reviewing Equiva's or Cambria's files.

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.

Gursharnjeet Cheema, 1060 St. Raphael Drive, Bay Point, CA 94565

Sincerely,

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



cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869
Gursharnjeet Cheema, 1060 St. Raphael Drive, Bay Point, CA 94565

Oakland, CA
San Ramon, CA
Sonoma, CA

**Cambria
Environmental
Technology, Inc.**

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

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

April 25, 2001

Karen Petryna
Equiva Services LLC
PO Box 7869
Burbank, CA 91501-7869

Dear Ms. Petryna:

Subject: Shell Service Station, 350 Grand Ave., Oakland, CA
RO0000428

"3rd Quarter 2000 Monitoring Report" dated October 9, 2000 prepared by Cambria Environmental Technology for the aforementioned site was reviewed. Monitoring well S-2, sampled in July 27, 2000, found Methyl Tertiary-Butyl Ether (MTBE), using EPA Method 8260B, at 30,200 ug/l which was much higher than previously found. Also, Total Purgeable Petroleum Hydrocarbons (TPPH) at 14,900 ug/l, Total Extractable Petroleum Hydrocarbons (TEPH) at 10,200 ug/l, benzene at 1,250 ug/l, toluene at 98.8 ug/l, and ethylbenzene at 437 ug/l, were consistent with concentrations detected in the previous sampling events on July 27, 2000 and the sampling events of July 17, 1998 and before.

Delineation of the plume from monitoring well S-2 may not be complete. Groundwater sampling between monitoring wells S-1 and S-4 may be necessary to determine if the plume extends between these monitoring wells. A sampling event was scheduled for the first quarter of 2001. If the results for S-2 are consistent with those obtained recently, then its sampling frequency will need to increase to quarterly and a Corrective Action Plan, which includes an assessment of impacts, a feasibility study, and applicable cleanup levels will be required, as well as the delineation of the plume.

If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist

C: Troy Buggle, Cambria Environmental Technology, Inc., 1144-65th St., Suite B, Oakland,
CA 94608
✓File

C A M B R I A

July 27, 2000

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

pid # 3714

Re: **Quarterly Status Report - Second Quarter 2000**
Shell-branded Service Station
350 Grand Avenue
Oakland, CA
Incident No. 98995755



Dear Mr. Seery:

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

Current Quarter's Activities

No activities were requested or performed during the second quarter of 2000.

Proposed Activities

Semi-annual sampling of the site wells will be conducted during the third quarter of 2000.

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

Sincerely,

Cambria Environmental Technology, Inc.

Stephan A. Bork, C.E.G., C.H.G.
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
Major Brand Gas, Inc., PO Box 2099, Houston, TX 77252

000 JUL 31 PM 4:00
PROCESSED

C A M B R I A

3714

November 23, 1999

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

Re: Certified List of Record Fee Title Owners for:

Shell-branded Service Station
350 Grand Ave.
Oakland, CA
Incident No. 98995755



Dear Mr. Berkins:

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

Major Brand Gas, Inc., PO Box 2099, Houston, TX 77252

Sincerely,

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

cc: Karen Petryna, Equiva Services LLC, P.O. Box 6249, Carson, California, 90749-6249
Major Brand Gas, Inc., PO Box 2099, Houston, TX 77252

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

**Cambria
Environmental
Technology, Inc.**

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

Shell
350 Grand Ave
Oakland

8/20/99

memo to file:

I followed up on a discussion I had w/ Cambria's Darryl Ataide on 7/20/99. During that conversation I expressed concern that 1st qtr '99 data showed a precipitous drop in HC concentrations in well S-2.

~~_____~~

I requested copies of the sampler's field notes from that event. To date, now a month later, these have not been received.

Additionally, the report documenting the March 1999 utility trench survey has not been received. A full 5-months have now passed, an unacceptably long time frame. I requested its submittal.

SOB

C A M B R I A

ENVIRONMENTAL PROTECTION August 17, 1999

99 AUG 20 PM 3: 37

Mr. Scott Seery
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
350 Grand Ave.
Oakland, California
Incident No. 98995755



Dear Mr. Seery:

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

Current Quarter's Activities

No activities are planned or required for the second quarter 1999.

Proposed Activities

No activities are proposed for this site 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

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



May 5, 1999

STID 3714

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

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

RE: Shell Service Station, 350 Grand Avenue, Oakland

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: 350 Grand Avenue, Oakland

May 5, 1999

Page 2 of 2

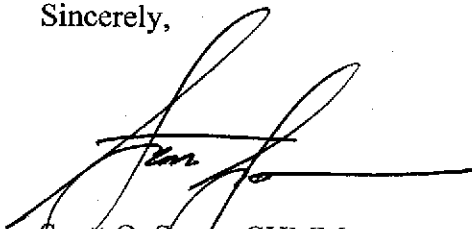
In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

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

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

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

Sincerely,



Scott O. Seery, CHMM
Hazardous Materials Specialist

Attachments

cc: Chuck Headlee, RWQCB
Leroy Griffin, Oakland Fire Department

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

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)

January 26, 1999

STID 3714

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

RE: Shell Service Station, 350 Grand Avenue, Oakland

Dear Ms. Petryna:

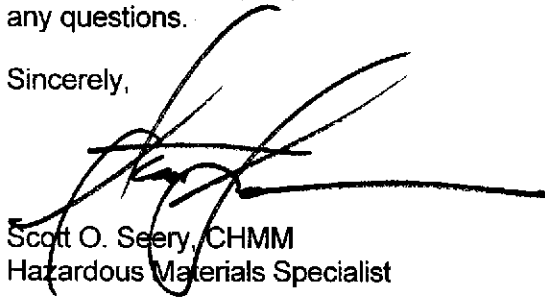
I have reviewed the November 18, 1998 Cambria Environmental Technology, Inc. (Cambria) *Conduit Study Report*. This report concludes that storm and sanitary sewer trenches buried beneath both Perkins Street and Grand Avenue likely serve as preferential pathways for the migration of contaminated groundwater. This report also presents a proposed work plan for further investigation of this issue. Cambria later amended this work plan in a submittal dated January 12, 1999.

The cited Cambria work plan has been accepted with the following change:

- The location of proposed Geoprobe boring HP-6 shall be moved midway between the sanitary sewer and 18" storm drain lines beneath Perkins Street

Please call me at (510) 567-6783 when fieldwork has been scheduled and should you have any questions.

Sincerely,



Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Mee Ling Tung, Director, Environmental Health
Chuck Headlee, RWQCB
Leroy Griffin, Oakland Fire Department
Darryk Ataide, Cambria Environmental Technology, Inc.

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)

August 4, 1998

STID 3714

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

RE: Utility Conduit Evaluation - Shell Service Station, 350 Grand Avenue, Oakland

Dear Mr. Perez:

The July 27, 1998 Cambria Environmental Technology, Inc. (Cambria) work plan for evaluation of potential preferential flow pathways has been reviewed and approved. I understand a report documenting this evaluation will be submitted within 6 weeks of the date of this letter.

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

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Mee Ling Tung, Director, Environmental Health
Chuck Headlee, RWQCB
Leroy Griffin, Oakland Fire Department
Maureen Feineman, Cambria Environmental Technology, Inc.

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)

June 26, 1998

STID 3714

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

RE: Shell Service Station, 350 Grand Avenue, Oakland

Dear Mr. Perez:

I have taken over current management of this case from Pamela Evans of this office. In doing so, I recently completed review of the case file, up to and including the May 31, 1998 Cambria Environmental Technology, Inc. (Cambria) report entitled "*MTBE Investigation Report*." The work documented in this report was prompted by the elevated levels of methyl tert-butyl ether (MtBE) identified historically in well S-2, located in the southwest corner of the site, directly proximal to the underground storage tank (UST) cluster.

The referenced Cambria report documents the installation of two (2) temporary GeoProbe[®] borings (SB-1 and SB-2) located across from the site, on the south side of Grand Avenue. Small diameter (3/4"), prepackaged GeoProbe[®] wells were subsequently installed into these borings, designated S-5 and S-4, respectively. Well S-5 is located west of Perkins Street, while S-4 is to the east. These wells were emplaced in locations believed to be hydraulically downgradient of the subject Shell site.

Groundwater (GW) was reportedly encountered between approximately 7 and 13.5' below grade (BG) in borings SB-1 (S-5) and SB-2 (S-4), respectively. Based on the most recent GW monitoring data (January 1998) and comparative review of the SB-4 and -5 boring logs, the 7' level is likely more representative of stabilized conditions.

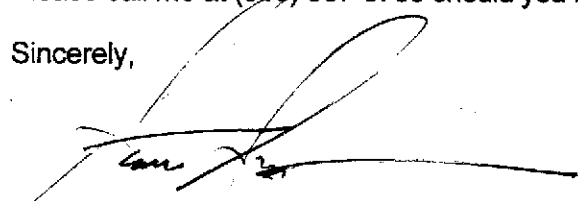
Review of City of Oakland storm and sanitary sewer maps demonstrates the presence of several sewer lines passing by the site. Such lines run down Perkins Street towards Lake Merritt and east-west along Grand Avenue. The trenches in which these lines are placed, and perhaps the lines themselves, may present preferential pathways for the migration of contaminated GW away from the site source area in directions which may skirt the current well network. This issue must be evaluated.

June 26, 1998

Please submit a work plan describing plans to evaluate these and other potential utility alignments as conduits for contaminant dispersal from the site. This work plan is due within 30 days of the date of this letter.

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

Sincerely,



Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Mee Ling Tung, Director, Environmental Health
Chuck Headlee, RWQCB
Leroy Griffin, Oakland Fire Department
Maureen Feineman, Cambria Environmental Technology, Inc.

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

January 15, 1998

Alex Perez
Shell Oil Company
P.O. Box 4023
Concord CA 94520

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

RE: **Workplan for Investigation of MTBE in Groundwater**
Shell Station, 350 Grand Av., Oakland CA 94610 (our site # 3714)

Dear Mr. Perez:

Recently I assumed responsibility for this case from Jennifer Eberle. I have reviewed the MTBE Investigation Work Plan (9/15/97) submitted by Cambria Environmental. The work plan proposes to identify water wells and other human receptors within one-half mile radius, to identify existing clean wells at down gradient sites that can be used to monitor MTBE migration, and if no suitable clean wells can be used, to install two-three new borings and two new wells. The proposal is acceptable to this Office. Today I spoke with Maureen Feineman of Cambria, and we discussed the following points:

- If possible, locate one of the borings and/or monitoring wells in a more westerly direction from the tank area.
- The proposed new well depth is 15'. The screening interval will be 2' to 15' below ground surface.
- Groundwater monitoring will occur semi-annually, during the first and third quarters of the year.

Work can begin at any time, but no longer than 60 days from the date of this letter. A report describing the findings and proposed next steps must be submitted within 45 days of the completion of this phase of the work.

You may contact me with any questions at (510)567-6770.

Sincerely,

Pamela J. Evans
Senior Hazardous Materials Specialist

c: Maureen Feineman, Cambria Environmental Technology, 1144 65th St., Suite B, Oakland CA 94612

files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



January 13, 1998

Alex Perez
Shell Oil Company
P.O. Box 4023
Concord CA 94520

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

**RE: Workplan for Investigation of MTBE in Groundwater
Shell Station, 350 Grand Av., Oakland CA 94610 (our site # 3714)**

Dear Mr. Perez:

Recently I assumed responsibility for this case from Jennifer Eberle. I have reviewed the MTBE Investigation Work Plan (9/15/97) submitted by Cambria Environmental. The work plan proposes to identify water wells and other human receptors within one-half mile radius, to identify existing clean wells at down gradient sites that can be used to monitor MTBE migration, and if no suitable clean wells can be used, to install two-three new borings and two new wells. The proposal is acceptable to this Office, however, I have the following questions and comments:

- Is it possible to locate one of the borings and/or monitoring wells in a more westerly direction?
- What will be the depth and screening intervals of the newly installed wells? Groundwater level has fluctuated dramatically at this site, so it is important to take the past range of groundwater elevations into consideration.
- Groundwater monitoring needs to occur semi-annually, during the first and third quarters of the year.

Work can begin at any time, but no longer than 60 days from the date of this letter. A report describing the findings and proposed next steps must be submitted within 45 days of the completion of this phase of the work.

You may contact me with any questions at (510)567-6770.

Sincerely,

A handwritten signature in cursive script that reads "Pamela J. Evans".

Pamela J. Evans
Senior Hazardous Materials Specialist *PE*

c: Maureen Fieneman, Cambria Environmental Technology, 1144 65th St., Suite B, Oakland CA 94612

files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



July 31, 1997
STID 3714
page 1 of 2

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

Attn: Jeff Granberry
Shell Oil Co.
PO Box 4023
Concord CA 94520

RE: Shell Station, 350 Grand Ave., Oakland CA 94610

Dear Mr. Granberry,

Since my last letter to Shell Oil, dated November 22, 1996, the following documents have been received in this office:

- 1) "Second Quarter 1996" report, prepared by Weiss Associates (Weiss), dated 6/24/96;
- 2) "Third Quarter 1996" report, prepared by Cambria, dated 10/15/96; and
- 3) "Fourth Quarter 1996 Quarterly Monitoring Report," prepared by Cambria, dated 2/11/97.

The concentrations of MTBE have been particularly elevated in well S-2, since MTBE analysis commenced on 7/30/96. There have been a total of three analyses performed for MTBE in well S-2, all of which have indicated consistent concentrations. Well S-2 is situated in a down/cross-gradient area, closest to the gasoline USTs. **You are requested to submit a workplan for delineation of MTBE around well S-2.** The workplan should also include analyses for BTEX, TPHg, and TPHd, as these compounds are also present in elevated concentrations in well S-2. The workplan should include investigation of the area downgradient of well S-2. **Please submit the workplan within 45 days, or by September 15, 1997.**

In addition, you are required to continue to monitor and sample this site until further notice on a semi-annual basis. **Wells should be sampled in the first and third quarters.** This requirement is as per my 11/22/96 letter. Our files do not indicate any agreement to annual sampling performed in the fourth quarter of each year.

Please note that the TPH-d concentration was not reported in Table 2 for the 4/2/96 sampling event. **Please revise this table in the next report.**

If you have any questions, please contact me at 510-567-6761.

July 31, 1997
STID 3714
page 2 of 2

Sincerely,

A handwritten signature in cursive script, appearing to read "J. Eberle".

Jennifer Eberle
Hazardous Materials Specialist

cc: Scott MacLeod, Cambria, 1144-65th St., Suite B, Oakland CA 94608
-J. Eberle/file

je.3714-B

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

November 22, 1996

STID 3714

page 1 of 2

Attn: Jeff Granberry
Shell Oil Co.
PO Box 5278
Concord CA 94520-9998

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

RE: Shell Station, 350 Grand Ave., Oakland CA 94610

Dear Mr. Granberry,

Since my last letter to Shell Oil, dated 6/20/95, the following documents have been received in this office:

- 1) "Second Quarter 1995" report, prepared by Weiss Associates (Weiss), dated 5/18/95;
- 2) "Third Quarter 1995" report, prepared by Weiss, dated 9/18/95;
- 3) "Site Health and Safety Plan," prepared by Paradiso Mechanical, Inc., dated September 1995;
- 4) "Underground Tank Closure Plan" application, submitted by contractor on 9/27/95;
- 5) "Fourth Quarter 1995" report, prepared by Weiss, dated 12/8/95;
- 6) "Soil Characterization Workplan," prepared by Weiss, dated 3/7/96;
- 7) "First Quarter 1996" report, prepared by Weiss, dated 4/1/96;
- 8) "Second Quarter 1996" report, prepared by Weiss, dated 6/24/96; and
- 9) "Tank Removal and Soil Overexcavation Report," prepared by Weiss, dated 8/14/96.

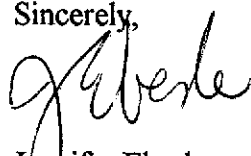
In addition, an inspection report was completed in the field during my site visits on 4/22/96 and 4/23/96, when the USTs were removed and sampling was conducted. Please note that the TPH-d concentrations were not reported in Table 2 in the latest quarterly report. **Please include TPH-diesel concentrations in tabulated form in future reports.** The 6/24/96 report represents the second quarter, and is the most recent quarterly report received in this office. The report for the third quarter is overdue; **please submit the quarterly report for the third quarter asap.** The fourth quarter sampling event was presumably conducted in October 1996. Quarterly reports should be submitted before the subsequent sampling event.

November 22, 1996
STID 3714
page 2 of 2
Attn: Jeff Granberry

Since this site has been sampled and monitored quarterly since 1/23/91, and since the data remain relatively consistent with non-detect to low concentrations in two of the three wells, **it would be acceptable to change the sampling frequency from quarterly to biannual.** Wells should be sampled in the first and third quarters. **Please continue to monitor and sample this site until further notice.**

If you have any questions, please contact me at 510-567-6761.

Sincerely,



Jennifer Eberle
Hazardous Materials Specialist

cc: Brian Busch, Weiss Assoc., 5500 Shellmound St., Emeryville CA 94608-2411
J. Eberle/file

je.3714-A

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 # _____ Site Name Shell Today's Date 4/23/96

Site Address 350 Grand Av.

City Oakland Zip 94610 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

overex + sample

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

9:10 Arrived onsite (East island)
Comments: Overexcavated the ^{island} farthest from Perkins St. Found concrete at ~3' bgs. We believe this soil is contaminated. It will be stockpiled separately, it's ~5 yd³. Could not take bottom confirmatory samples, so we took 2 sidewall samples. See attached map. (DSW1 + 2) Soil is clay, black w/green, some odor.
10:05 Removal of last piping (diesel line). 10:45 Overex of middle island. There is also a concrete slab at ~3'. Found a pocket of contam soil where this island's piping connected to main trench. 11:45 Took 3 wall samples (DSW 3, 4, 5). 11:25 Can't excavating main trench.
1:05 Excavated West island. 1:25 Sampled ~~East~~ ^{West} Island: 3 bottom samples (DBI + 2 + 3). 1:45 Excavated + sampled main trench: bottom samples (P1 + P13). Soil is clay in P13 + heavy clay in P1. Both P1 + P13 are wet. The pea gravel + stockpiled soil will be offhauled 4-24. There is now ~50 yd³ from today's excavation. All samples will be analyzed for TPHd, TPHg, + BTEX.

2:15 left site

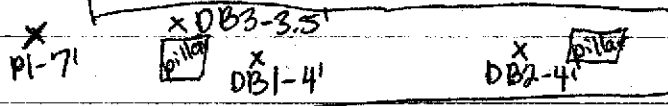
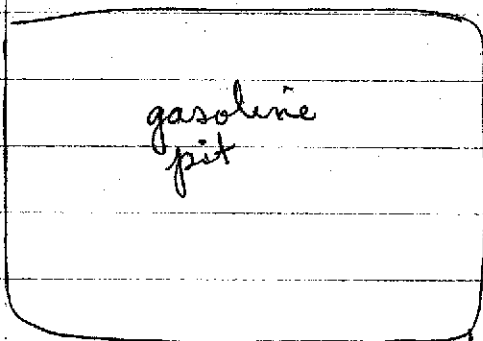
Contact Brian Bush
Title Weiss
Signature Brian Bush
pager 801-9703

Inspector Jennifer Eberle
Signature J Eberle

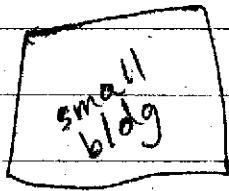
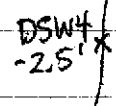
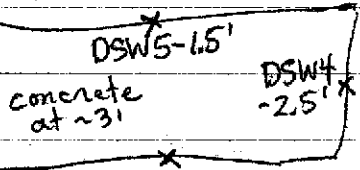
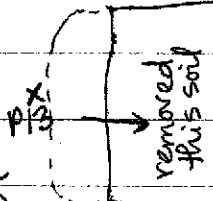
II, III

Perkins

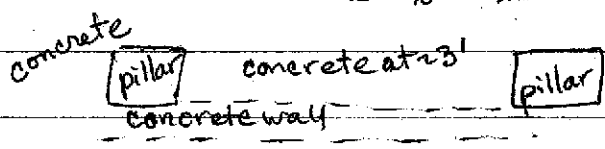
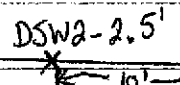
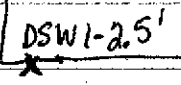
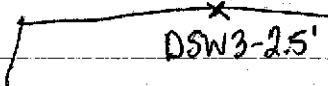
10
4-23-96 samples



West Island

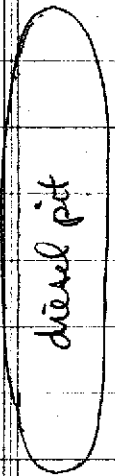


Middle Island

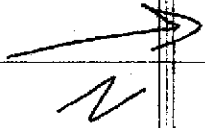


East Island

Grand Av.



main trench





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 # _____ Site Name Shell Today's Date 4/22/96

Site Address 350 Grand Av.

City Oakland Zip 94610 Phone _____

page 1 of 2

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

Removal of four 10,000-gal USTs (3 gas, 1 diesel)

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

10:00 arrived onsite

Comments:

Steve Crawford of OFD + Mark Freitas of Paradise are onsite, as is Brian Bush of Weiss. Soil around USTs was pre-characterized by Weiss + accepted by Forward Landfill.

10:45 Removal of diesel UST: FG, no obvious holes. Erickson transported it (#92045864) tank #17653

10:52 Removal of Tank 2: FG, no obvious holes. Transporter is Trident Trucking of Hayward, 783-2881, KC MC 161975, Cal T. 115587, no sticker, says Cal-Hwy Patrol rescinded the regmt as of 1-1-96. Manifest # 092045865, tank #17653

11:15 Removal of Tank 1: FG, no obvious holes. Transporter is Trident (#92045866, tank #17652).

11:45 Removal of Tank 3: FG, no obvious holes. Transporter is Erickson (#92045867, tank #17654) HC odors from gasoline pit after tank 3 removed.

12:10 Pushed pea gravel aside in diesel pit, in order to collect samples at water interface. See attached map. No HC odor, soil is sandy clayey silt. 12:45 Began sampling gasoline pit. Well next to Grand Av is heavy clay. So is G-1. G-4 heavy HC odor. G-3 no to faint HC odor. G-5 strong HC odor, also clay.

Contact Brian Bush
 Title Weiss
 Signature Brian Bush

Inspector Jennifer Eberle
 Signature J Eberle

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 # _____ Site Name Shell Today's Date 4/22/96 cont

Site Address 350 Grand Av.

City Oakland Zip 94610 Phone _____

page 2 of 2

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

Removal of USTs.

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

~ 50 yd³ soil stockpiled onsite is from piping + must be sampled.
 Comments:
 Mark said it appears contaminated. 12:30 Samples G 6-8 have moderate odor. G 8 is black silt. Strong HC odors from gas pit while moving pea gravel around. Pea gravel will be removed from both excavations. 2:00 began dispenser + piping samplg. P1 appears heavily contam. P2 appears contam. also. P3 + 4 appear not contam. An impermeable layer (appears to be concrete) underlies trenching at ~2', at end of middle dispenser area, ^{at} intersection of main pipe trench. DISP 4 + DISP 9 are from diesel dispensers. DISP 7, DISP 8, P8, P9 have strong HC odor + black clayey silt soil. Site is secured w/fence. Piping was put into a bin for later transport. Analyze DISP 4, DISP 9, P10, P11, P12, D1 + D2 for TPHd + BTEX. Analyze all other samples for TPHg + BTEX. 3:15 Finished pipe samplg.

JE

3:35 left site

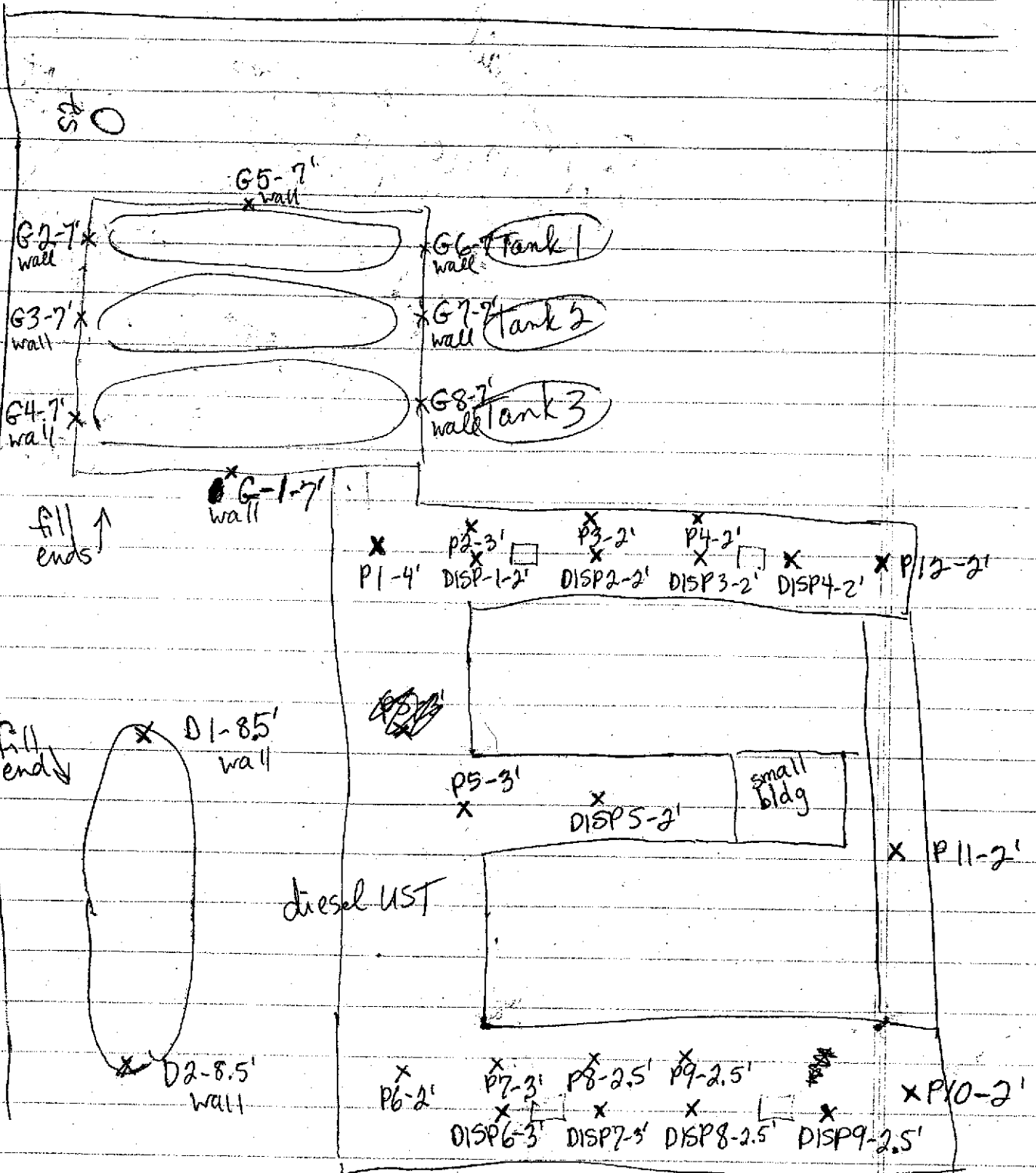
Contact Brian Bush
 Title Weiss
 Signature Brian Bush

Inspector Jennifer Eberle
 Signature J Eberle
 567-6761 voice mail

II, III

Perkins

Grand Av.



ALAMEDA COUNTY ENVIRONMENTAL
HEALTH DEPARTMENT

ENVIRONMENTAL PROTECTION DIVISION
1131 Harbor Bay Parkway, Suite #250
Alameda, CA 94502-6577
Telephone (510) 567-6700
Fax Number (510) 337-9335

FAX COVER SHEET

DATE: 2-6, 1996

TO: Paul Paradise

FAX # () 614-8396

Total number of pages including cover sheet 2

FROM: Jennifer Eberle

fax 337-9335

phone 567-6761

NOTE: FYI-

We have a new Tank Closure Plan
dated 95 in lower left corner.
Please use it in the future.

(SMILE) have a nice day.
DO SOMETHING FOR OUR ENVIRONMENT.

JE

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION

1131 HARBOR BAY PARKWAY, STE 250
ALAMEDA, CA 94502-6577
TELE: (510) 567-6700
FAX: (510) 337-9335

ST 10
3714

ACCEPTED *[Signature]*

Underground Storage Tank Closure Permit Application
Alameda County Division of Hazardous Materials
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/destruction.
One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.
Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws.
Notify this Department at least 72 hours prior to the following required inspections:

- Removal of Tank(s) and Piping
 - Sampling
 - Final Inspection
- Issuance of a) permit to operate, b) permanent site closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

*THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS:
Contact Specialist.

[Signature]

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Business Name SHELL SERVICE STATION
Business Owner D. DEVI INC. (510) 293-9150
 2. Site Address 350 GRAND AVENUE
city OAKLAND CA. Zip 94610 Phone (510) 293-9150
 3. Mailing Address 350 GRAND AVENUE
city OAKLAND CA. Zip 94610 Phone (510) 293-9150
 4. Land Owner SHELL OIL COMPANY
Address 1390 WILLOW PASS RD. STE. 900 city, state CA. zip 94520
CONCORD
 5. Generator name under which tank will be manifested _____
SHELL OIL COMPANY
- EPA I.D. No. under which tank will be manifested CA L 921115538

asper J. Byram
2-7-96

rev 3/92 *old form*

PARADISO MECHANICAL
(510) 614-8390

DAVE OR
PAUL
PARADISO

6. Contractor TO BE DETERMINED

Address _____

City _____ Phone _____

License Type* _____ ID# _____

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Consultant AHS ENGINEERING (Tom Piskor)

Address 45 AVAIL COURT SUITE 303

city WALNUT CREEK CA. Phone (510) 933-0578
94596

8. Contact Person for Investigation

Name JEFF BYRAM (SHELL OIL CO.) Title PROJECT ENGINEER

Phone (510) 675-6145

9. Number of tanks being closed under this plan 4

Length of piping being removed under this plan APPROX. 850 LIN. FT.

Total number of tanks at facility 4

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

** Underground tanks are hazardous waste and must be handled **
as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter

Name CROSBY & OVERTON STATE HEALTH EPA I.D. No. # 0025

Hwy. PATRUL Hauler License No. # 55235 License Exp. Date _____

Address 8430 AMELIA STREET

City OAKLAND State CA. zip 94621

b) Product/Residual Sludge/Rinsate Disposal Site

Name ROMECC EPA I.D. No. CAD 009452657

Address 2081 Bay Dr.

City East Palo Alto State Ca. zip 94303

c) Tank and Piping Transporter

STATE HEALTH # 002.5

Name CROSBY & COLBERTON INC EPA I.D. No. _____
Hwy PATRICK
Hauler License No. # 55235 License Exp. Date _____
Address 8430 AMELIA STREET
city OAKLAND state CA zip 94621

d) Tank and Piping Disposal Site

Name ERICKSON INC EPA I.D. No. CAD009466392
Address 255 PARK BLVD
city RICHMOND state CA zip 94801

11. Experienced Sample Collector

Name DAVE FULSEN
Company FUGRO WEST INC
Address 1050 MELODY LANE SUITE 160
city ROSEVILLE state CA zip 95834 Phone (916) 982-2110

12. Laboratory

Name SEQUOIA ANALYTICAL
Address 819 STRIKER AVE SUITE 8
city SACRAMENTO state CA zip 95834
State Certification No. 1624

13. Have tanks or pipes leaked in the past? Yes [] No [] UNKNOWN [X]

If yes, describe. _____

14. Describe methods to be used for rendering tank inert

1.5 lb DRY ICE / 1000 gal UST.

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
10,000	CURRENTLY IN USE gas		
10,000	currently in use gas		
10,000	currently in use gas		
10,000	CURRENTLY IN USE diesel		

One soil sample must be collected for every 20 feet of piping that is removed. A ground water sample must be collected should any ground water be present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated) 1000, CU. YDS. FROM TANK EXCAVATION AND PIPING REMOVAL	Sampling Plan TO BE PROVIDED BY FUGRO WEST INC.

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

16. Chemical methods and associated detection limits to be used for analyzing samples TO BE PROVIDED BY FUGRO WEST INC.

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
TPHg TPHd BTEX			

17. Submit Site Health and Safety Plan (See Instructions)
 TO BE PROVIDED BY CONTRACTOR

18. Submit Worker's Compensation Certificate copy

Name of Insurer

Republic Indemnity



19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

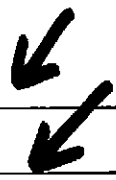
Signature of Contractor

Name (please type)

CONTRACTOR TO BE DETERMINED

Signature

Date



Signature of Site Owner or Operator

Name (please type)

SHELL OIL COMPANY

Signature

Jeff John Beynon

Date

9/20/95

INSTRUCTIONS

General Instructions

- * Three (3) copies of this plan plus attachments and deposit must be submitted to this Department.
- * Any cutting into tanks requires local fire department approval.
- * One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.

Item Specific Instructions

2. SITE ADDRESS
Address at which closure is taking place.
5. EPA I.D. NO. under which the tanks will be manifested
EPA I.D. numbers may be obtained from the State Department of Health Services, 916/324-1781.
6. CONTRACTOR
Prime contractor for the project.
10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES
 - a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.
 - c) Tanks must be hauled as hazardous waste.
 - d) This is the place where tanks will be taken for cleaning.
15. TANK HISTORY AND SAMPLING INFORMATION
Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, and the date when the tank was last used.

Material to be sampled - e.g. water, oil, sludge, soil, etc.

Location and depth of samples - e.g. beneath the tank a maximum of two feet below the native soil/backfill interface, side wall at the high water mark, etc.

16. CHEMICAL METHODS AND ASSOCIATED DETECTION LIMITS
See attached Table 2.

17. SITE HEALTH AND SAFETY PLAN

A site specific Health and Safety plan must be submitted. We advocate the site health and safety plan include the following items, at a minimum:

- a) The name and responsibilities of the site health and safety officer;
- b) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;
- c) Identification of health and safety hazards of each work task. Include potential fire, explosion, physical, and chemical hazards;
- d) For each hazard, identify the action levels (contaminant concentrations in air) or physical conditions which will trigger changes in work habits to ensure workers are not exposed to unsafe chemical levels or physical conditions;
- e) Description of the work habit changes triggered by the above action levels or physical conditions;
- f) Frequency and types of air and personnel monitoring - along with the environmental sampling techniques and instrumentation - to be used to detect the above action levels. Include instrumentation maintenance and calibration methods and frequencies;
- g) Confined space entry procedures (if applicable);
- h) Decontamination procedures;
- i) Measures to be taken to secure the site, excavation and stockpiled soil during and after work hours (e.g. barricades, caution tape, fencing, trench plates, plastic sheeting, security guards, etc.);
- j) Spill containment/emergency/contingency plan. Be sure to include emergency phone numbers, the location of the phone nearest the site, and directions to the hospital nearest the site;
- k) Documentation that all site workers have received the appropriate OSHA approved trainings and participate in appropriate medical surveillance per 29 CFR 1910.120; and
- l) Page for employees to sign indicating they have read and will comply with the site health and safety plan.

The safety plan must be distributed to all employees and contractors working in hazardous waste operations on site. A complete copy of the site health and safety plan along with any standard operating procedures shall be on site and accessible at all times.

NOTE: These requirements are excerpts from 29 CFR Part 1910.120(b)(4), Hazardous Waste Operations and Emergency Response; Final Rule, March 6, 1989. Safety plans of certain underground tank sites may need to meet the complete requirements of this Rule.

19. PLOT PLAN

The plan should consist of a scaled view of the facility at which the tank(s) are located and should include the following information:

- a) Scale;
- b) North Arrow;
- c) Property Lines;
- d) Location of all Structures;
- e) Location of all relevant existing equipment including tanks and piping to be removed and dispensers;
- f) Streets;
- g) Underground conduits, sewers, water lines, utilities;
- h) Existing wells (drinking, monitoring, etc.);
- i) Depth to ground water; and
- j) All existing tanks and piping in addition to the ones being pulled.

20. DEPOSIT

A deposit, payable to Alameda County for the amount indicated on the Alameda County Underground Storage Tank Fee Schedule, must accompany the plans.

21. Blank Unauthorized Leak/Contamination Site Report forms may be obtained in limited quantities from our office and from the San Francisco Bay Regional Water Quality Control Board (415/464-1255). Larger quantities may be obtained directly from the State Water Resources Control Board at (916) 739-2421.

22. TANK CLOSURE REPORT

The tank closure report should contain the following information:

- a) General description of the closure activities;
- b) Description of tank, fittings and piping conditions. Indicate tank size and former contents; note any corrosion, pitting, holes, etc.;

- c) Description of the excavation itself. Include the tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential contaminant pathways, the depth to any observed ground water, descriptions and locations of stained or odor-bearing soil, and descriptions of any observed free product or sheen;
- d) Description of sampling methods;
- e) Description of any remedial measures conducted at the time of tank removal;
- f) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations.. Include a copy of the plot plan prepared for the Tank Closure Plan under item 19;
- g) Chain of custody records;
- h) Copies of signed laboratory reports;
- i) Copies of "TSDF to Generator" Manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.); and
- j) Tabulation of the volume and final destination of all non-manifested contaminated soil hauled offsite.

TABLE #2
RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR
UNDERGROUND TANK LEAKS

<u>HYDROCARBON LEAK</u>	<u>SOIL ANALYSIS</u>		<u>WATER ANALYSIS</u>	
Unknown Fuel	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	TPH AND BTX&E	8260		
Leaded Gas	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	BTX&E	8020 OR 8240	BTX&E	602 or 624
	TPH AND BTX&E	8260	TOTAL LEAD AA	
	TOTAL LEAD AA			
	-----Optional-----			
	TEL	DHS-LUFT	TEL	DHS-LUFT
	EDB	DHS-AB1803	EDB	DHS-AB1803
Unleaded Gas	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	TPH AND BTX&E	8260		
Diesel, Jet Fuel and Kerosene	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	TPH AND BTX&E	8260		
Fuel/Heating Oil	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	TPH AND BTX&E	8260		
Chlorinated Solvents	CL HC	8010 or 8240	CL HC	601 or 624
	BTX&E	8020 or 8240	BTX&E	602 or 624
	CL HC AND BTX&E	8260	CL HC AND BTX&E	8260
Non-chlorinated Solvents	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602 or 624
	TPH AND BTX&E	8260	TPH and BTX&E	8260
Waste and Used Oil or Unknown (All analyses must be completed and submitted)	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	TPH AND BTX&E	8260		
	O & G	5520 D & F	O & G	5520 C & F
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	CL HC	8010 or 8240	CL HC	601 or 624
	ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn, Ni		METHOD 8270 FOR SOIL OR WATER TO DETECT:	
	PCB*		PCB	
	PCP*		PCP	
	PNA		PNA	
	CREOSOTE		CREOSOTE	

* If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

Reference: Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, 10 August 1990

EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS

1. OTHER METHODOLOGIES are continually being developed and as methods are accepted by EPA or DHS, they also can be used.
2. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.
3. APPROPRIATE STANDARDS for the materials stored in the tank are to be used for all analyses on Table #2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.
4. To AVOID FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.
5. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydrocarbons, or extracted by sonication using 3550 methodology for extractable hydrocarbons. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.
6. TETRAETHYL LEAD (TEL) analysis may be required if total lead is detected unless the determination is made that the total lead concentration is geogenic (naturally occurring).
7. CHLORINATED HYDROCARBONS (CL HC) AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020 respectively, (or 8240) and in water, 601 and 602, respectively (or 624).
8. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons may be present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used. Standard Methods" 17th Edition, 1989, has changed the 503 series to 5520.
9. PRACTICAL QUANTITATION REPORTING LIMITS are influenced by matrix problems and laboratory QA/QC procedures. Following are the Practical Quantitation Reporting Limits:

	<u>SOIL PPM</u>	<u>WATER PPB</u>
TPH G	1.0	50.0
TPH D	1.0	50.0
BTX&E	0.005	0.5
O & G	50.0	5,000.0

Based upon a Regional Board survey of Department of Health Services Certified Laboratories, the Practical Quantitation Reporting Limits are attainable by a majority of laboratories with the exception of diesel fuel in soils. The Diesel Practical Quantitation Reporting Limits, shown by the survey, are:

ROUTINE	MODIFIED PROTOCOL
\leq 10 ppm (42%)	\leq 10 ppm (10%)
\leq 5 ppm (19%)	\leq 5 ppm (21%)
\leq 1 ppm (35%)	\leq 1 ppm (60%)

When the Practical Quantitation Reporting Limits are not achievable, an explanation of the problem is to be submitted on the laboratory data sheets.

- LABORATORY DATA SHEETS are to be signed and submitted and include the laboratory's assessment of the condition of the samples on receipt including temperature, suitable container type, air bubbles present/absent in VOA bottles, proper preservation, etc. The sheets are to include the dates sampled, submitted, prepared for analysis, and analyzed.
- IF PEAKS ARE FOUND, when running samples, that do not conform to the standard, laboratories are to report the peaks, including any unknown complex mixtures that elute at times varying from the standards. Recognizing that these mixtures may be contrary to the standard, they may not be readily identified; however, they are to be reported. At the discretion of the LIA or Regional Board the following information is to be contained in the laboratory report:

The relative retention time for the unknown peak(s) relative to the reference peak in the standard, copies of the chromatogram(s), the type of column used, initial temperature, temperature program is C/minute, and the final temperature.

- REPORTING LIMITS FOR TPH are: gasoline standard \leq 20 carbon atoms, diesel and jet fuel (kerosene) standard \leq 50 carbon atoms. It is not necessary to continue the chromatography beyond the limit, standard, or EPA/DHS method protocol (whichever time is greater).

EPILOGUE

ADDITIVES: Major oil companies are being encouraged or required by the federal government to reformulate gasoline as cleaner burning fuels to reduce air emissions. MTBE (Methyl-tertiary butyl ether), ETHANOL (ethyl alcohol), and other chemicals may be added to reformulate gasolines to increase the oxygen content in the fuel and thereby decrease undesirable emissions (about four percent with MTBE). MTBE and ethanol are, for practical purposes, soluble in water. The removal from the water column will be difficult. Other compounds are being added by the oil companies for various purposes. The refinements for detection and analysis for all of these additives are still being worked out. If you have any questions about the methodology, please call your Regional Board representative.

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION
Acknowledgement of Refund Recipient for Site Account
DEPOSITOR FILLS OUT PER SITE
-- REQUIRED --

The depositor will use this form to acknowledge that the property owner or his or her designee will receive any refund due at the completion of all deposit/refund projects at the site listed below.

SITE NUMBER/ADDRESS:

REFUND RECIPIENT-PROPERTY OWNER

Site Number

SHELL SERVICE STATION

Company Name

SHELL OIL COMPANY

Owner's Name

330 GRAND AVENUE

Street Address

1390 WILLOW PASS RD. STE 900

Owner's Address

OAKLAND CA. 94610

City

Zip Code

CONCORD CA. 94520

Owner's City

State

Zip

I have read the description of the project Deposit/Refund Procedure, and have had an opportunity to ask questions about it. I understand that regardless of who deposits money into the site account, any deposit money remaining at the completion of all projects being conducted at this site will be refunded solely to the property owner or his or her designee.

Signature of Depositor

Date

9-15-95

Depositor Name

A+S ENGINEERING

Company Name

45 QUAIL COURT, SUITE 303

Street Address

WALNUT CREEK, CA. 94596

City / Zip

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION
Declaration of Site Account Refund Recipient

SITE OWNER FILLS OUT PER SITE

-- OPTIONAL --

The property owner will use this form to designate someone other than him- or her- self to receive any refund due at the completion of all deposit/refund projects at the site listed below. In the absence of this form, the property owner will receive any refund. Only one person at any one time may be designated to receive any refund.

SITE NUMBER/ADDRESS:

PROPERTY OWNER

Site Number

SHELL SERVICE STATION

Company Name

SHELL OIL COMPANY

Owner's Name

350 GRAND AVE.

Street Address

1390 WILLOW PASS RD. STE 900

Owner's Address

OAKLAND CA. 94610

City

Zip Code

CONCORD CA. 94520

Owner's City

State

Zip

I designate the following person to receive any refund due at the completion of all deposit/refund projects:

AHS ENGINEERING

Name

45 QUAIL COURT SUITE 303

Street Address

WALNUT CREEK CA. 94596

City / Zip

Jeff John Byram

Property Owner Signature

Date

9/20/95

JEFF JOHN BYRAM - SHELL

Property Owner Name

RETURN FORM TO: Alameda County, Hazardous Materials Div.

80 Swan Way, Rm 200

Oakland, CA 94621-1439

(510) 271-1300

18. Submit Worker's Compensation Certificate copy

Name of Insurer Republic Indemnity Co. of America



19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

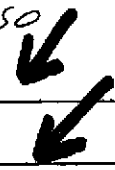
I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor PARADISO Mech. INC. PAUL PARADISO
Name (please type) CONTRACTOR TO BE DETERMINED
Signature [Handwritten Signature]
Date 2-6-96



Signature of Site Owner or Operator
Name (please type) SHELL OIL COMPANY
Signature [Handwritten Signature]
Date 9/20/95

PARADISO MECHANICAL, INC.
GENERAL & PETROLEUM CONTRACTORS

LETTER OF TRANSMITTAL

2600 WILLIAMS ST. P.O. BOX 1836
 SAN LEANDRO, CA 94577
 (510)614-8390 FAX (510)614-8396
 CONTRACTORS LICENSE #677909

DATE	2/7/96	JOB NO.
ATTENTION Jennifer Eberle		
RE: Tank Closure Plan		
Shell Oil		

TO ALAMEDA CO. ENV. HEALTH DEPT.
1131 HARBOR BAY PARKWAY, STE 250
ALAMEDA, CA. 94502

WE ARE SENDING YOU Attached Under Separate Cover via _____ the following items:

Shop drawings Prints Plans Samples Specifications

Copy of Letter Change Order _____

COPIES	DATE	NO.	DESCRIPTION
1EA			Signature Sheet

THESE ARE TRANSMITTED as checked below:

- For approval Approved as submitted Resubmit _____ copies for approval
- For your use Approved as noted Submit _____ copies for distribution
- As requested Returned for corrections Return _____ corrected prints
- For review and comment _____
- FOR BIDS DUE _____, 1995 PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

COPY TO file

SIGNED: *Linda*
 LINDA MARTIN

ALAMEDA COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

ENVIRONMENTAL PROTECTION DIVISION
1131 Harbor Bay Parkway, Suite #250
Alameda, CA 94502-6577
Telephone (510) 567-6700
Fax Number (510) 337-9335

FAX COVER SHEET

DATE: 2-6, 1996

TO: Paul Paradiso

FAX # () 614-8396

Total number of pages including cover sheet 2

FROM: Jennifer Eberle

fax 337-9335

phone 567-6761

NOTE: py1-

We have a new Tank Closure Plan
dated 95 in lower left corner.
Please use it in the future.

(SMILE) have a nice day.
DO SOMETHING FOR OUR ENVIRONMENT.

18. Submit Worker's Compensation Certificate copy

Name of Insurer Republic Indemnity Co. of America

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor PARADISO MECH. INC. PAUL PARADISO

Name (please type) CONTRACTOR TO BE DETERMINED

Signature [Handwritten Signature]

Date 2-6-96

Signature of Site Owner or Operator

Name (please type) SHELL OIL COMPANY

Signature [Handwritten Signature]

Date 9/20/95



Weiss Associates

Environmental and Geologic Services

5500 Shellmound Street, Emeryville, CA 94608-2411 Fax: 510-547-5043 Phone: 510-450-6000

93 OCT -7 PM 12:34

September 29, 1993

Mr. Mark Nash
Permit Services
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109

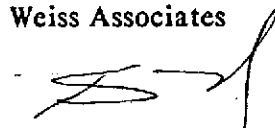
Re: Authority to Construct #5294
Shell Service Station
350 Grand Avenue
Oakland, California
WIC# 204-5510-0204
WA Job# 81-701-103

Dear Mr. Nash:

Weiss Associates (WA) is writing to request an extension of Authority to Construct #5294 which expires on October 24, 1993. Permit delays with the City of Oakland have postponed system start-up. Shell would like to begin soil vapor extraction at the subject site in the near future. Therefore, WA requests a one-year extension in order to continue the project.

We appreciate this opportunity to provide environmental consulting services on behalf of Shell Oil Company and look forward to working with you on this project. Please call me at (510) 450-6000 if you have any questions or comments.

Sincerely
Weiss Associates



N. Scott MacLeod, R.G.
Project Geologist

JCM:jcm

J:\HC_ENG\SHELL\OAK-701\701L1SE3.AIR

cc: Dan Kirk, Shell Oil Company, P.O. Box 5278, Concord, California 94520-9998
Jennifer Eberle, Alameda County Department of Environmental Health, 80 Swan Way,
Room 200, Oakland, CA 94621-1426

**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**

This facsimile transmission contains confidential information intended only for use by the individual or entity named below. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or action taken in reliance on the contents of this transmittal is strictly prohibited. If you have received this transmittal in error, please call us immediately to arrange for the return of the original document.

TO: Jennifer Eberle**FAX PHONE: 569-4757****COMPANY: ACDEH****BUSINESS PHONE: 271-4320****DATE: June 22, 1993****FROM: David Elias****PROJECT #: 81-701-84****SUBJECT: Shell, 350 Grand Ave., Oakland****# OF PAGES: 1
(including this cover)** **Hard copy to follow if checked****COMMENTS & ACTIONS REQUIRED:**

Jennifer, I am sending this FAX to update you on the soil vapor extraction remediation system status for the site referenced above. Since the **monitoring well S-2 top of screen is very close to the existing and historical water table**, which makes soil vapor extraction impossible, we are looking into other SVE options. We are in contact with the City of Oakland and the Oakland Fire Department with regards to the SVE and propane permits and setback requirements. Please call me at 450-6108 with any questions or comments.

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

November 16, 1995

A & S Engineering Inc.
45 Quail Court, Suite 303
Walnut Creek, CA 94596
Attn: Tom Piskor

Dear Mr. Piskor:

Enclosed you will find two copies of the approved UST closure plans. I was incorrect in requesting a Deposit/Refund for \$750.00 to cover our oversight costs, since this site is already in the Local Oversight Program (LOP). I apologize for any delays or inconvenience this may have caused you. Please call me to schedule the tank removals at your convenience.

Sincerely,

Dale Klettke, CHMM
Hazardous Materials Specialist

A & S ENGINEERING
818-842-2844
207 W. ALAMEDA, #203
BURBANK, CA 91502

50
16-88/1220
828

11/8/1995

PAY TO THE
ORDER OF

ALAMEDA COUNTY HEALTH AGENCY

\$ 750 ⁰⁰/₁₀₀

SEVEN HUNDRED FIFTY DOLLARS ⁰⁰/₁₀₀ DOLLARS

Security features
included
Details on back.

Bank of America

VALUED
Customer Since
1988

East View Branch #0828 # SH94100
800 North Western Avenue
San Pedro, CA 90732 (310) 884-1870

350 GRAND AVE, OAKLAND

MEMO

SHELL STATION

⑆ 12200066 ⑆ 5067 ⑆ 08283 ⑆ 30433 ⑆

ING INC.
CTION MANAGEMENT
10-933-0578 • FAX 510-933-0588

347 8774 257

November 7, 1995

1131 Harbor Bay Parkway, 2nd Fl.
Alameda, Ca 94502

ATTN: Dale Klettke

RE: Shell Station @ 350 Grand Avenue, Oakland, Ca #SH94100

TRANSMITTING:

- VIA U.S. MAIL
- VIA FEDERAL EXPRESS
- VIA COURIER
- VIA EMPLOYEE
- VIA PICK UP

THE FOLLOWING:

- REPRODUCIBLES
- PRINTS
- CALCS

FOR:

- APPROVAL
- REVIEW
- YOUR USE
- YOUR FILES
- BID

ENVIRONMENTAL
PROTECTION
95 NOV 13 AM 9:42

REMARKS:

Enclosed is a check in the amount of \$750.00 that you requested for the tank removal permit fees. Please process our application as soon as possible. Feel free to call Tom Piskor or myself at (510) 933-0578 with any questions, comments or with approval notification. Thank you.

COPIES TO:

FILE

BY:

Vince

PARADISO MECHANICAL, INC
GENERAL & PETROLEUM CONTRACTORS

LETTER OF TRANSMITTAL

2600 WILLIAMS ST. P.O. BOX 1836
 SAN LEANDRO, CA 94577
 (510)614-8390 FAX (510)614-8396
 CONTRACTORS LICENSE #677909

DATE	9-28-95	JOB NO.	000
ATTENTION: Mr. DALE KLETTKE			
RE: SHELL STATOIN			
350 GRAND AVE.			
OAKLAND			

TO ALAMEDA COUNTY DEPT. OF ENVIRON.
HEALTH, SUITE 250
1131 HARBOR BAY PARKWAY
ALAMEDA, CA. 94502-6577

WE ARE SENDING YOU Attached Under Separate Cover via U. S. Mail the following items:

- Shop drawings Prints Plans Samples Specifications
 Copy of Letter Change Order _____

COPIES	DATE	NO.	DESCRIPTION
1 ea			Paradiso Site Health & Safety Plan

THESE ARE TRANSMITTED as checked below:

- For approval Approved as submitted Resubmit _____ copies for approval
 For your use Approved as noted Submit _____ copies for distribution
 As requested Returned for corrections Return _____ corrected prints
 For review and comment _____
 FOR BIDS DUE _____ 1995 PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

COPY TO file

SIGNED: Linda
 LINDA MARTIN - SECRETARY

95 OCT - 8 PM 1:05
 PARADISO MECHANICAL

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



DAVID KEAHS, Agency Director

RAFAT A. SHAHID, DIRECTOR

June 20, 1995
STID 3714

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

Attn: Dan Kirk
Shell Oil Co.
PO Box 5278
Concord CA 94520-9998

RE: Shell Station, 350 Grand Ave., Oakland CA 94610

Dear Mr. Kirk,

I am in receipt of the workplan letter report, prepared by Weiss Associates, dated 2/8/95. **This workplan involves the installation of one additional groundwater monitoring well across Grand Ave, and collecting one grab ground water sample from a boring drilled across Perkins St.** The additional groundwater monitoring well will allow us to collect more groundwater elevation data, so as to better establish groundwater flow direction, which has been quite variable.

This workplan is acceptable for implementation. Please notify me by telephone at least 2 business days prior to field work.

In addition, you are requested to include a table of historical groundwater flow directions (and gradients) in order to determine trends.

If you have any questions, please contact me at 510-567-6761.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jennifer Eberle".

Jennifer Eberle
Hazardous Materials Specialist

cc: Tom Fojut, Weiss Assoc., 5500 Shellmound St., Emeryville CA 94608-2411
Jun Nakashima/file

je.3714



GeoStrategies Inc.
 Environmental Consulting,
 Engineering and Geologic Services

3714

83 200 0 100000

Letter of Transmittal

Date: January 20, 1993

From: Jim Walker Project No: 7667
 To: Ms. Jennifer Ederlee Subject: Shell Service Station
Alameda County Health Dept. 350 Grand Ave.
80 Swan Way - Room 200 Oakland, Calif
Oakland, Calif 94621 RE: DEALER NOTIFICATION LETTER

The following items are: Enclosed Sent Separately via _____

Date	Description	No. of Copies
<u>1/13/93</u>	<u>Dealer Notification Letter</u>	<u>1</u>

- These are transmitted:
- At you request
 - For your approval
 - For your review
 - Preliminary
 - For your action
 - For your files
 - For your information
 - _____

Comments: In the future we will cc these letters to your office. If you have any questions please call.

Jim Walker
 (Signed)

- 2140 W. Winton Avenue, Hayward, CA 94545
 (510) 352-4800 - Fax (510) 783-1089
- 601 University Avenue, Sacramento, CA 95825
 (916) 568-7500 - Fax (916) 568-7504



GeoStrategies Inc.

January 13, 1993

Mr. Goyal Krishan
Shell Service Station
350 Grand Avenue
Oakland, California

Re: Field Work

Dear Mr. Krishan:

This letter is to inform you that GeoStrategies Inc. will be conducting a subsurface investigation on Grand Avenue and Perkins Street for the service station referenced above. This work will be conducted the week of January 25, 1993 and should involve one working day. Drill cuttings will be stored on-site until analyses can be completed. The stockpiled soil will be removed from the site and every effort will be made not to interfere with normal business activities.

Please call if you have any questions or comments.

Sincerely,

A handwritten signature in black ink, which appears to be "Randall S. Young", is written over a faint, oval-shaped outline.

Randall S. Young
Geologist

cc: Mr. Dan Kirk, Shell Oil Company
Ms. K.L. Hudson, Shell Oil Company

7667-C

SHELLMISC/767705.RSY(rt)



GeoStrategies Inc.

December 16, 1992

Jennifer Eberle
Alameda County Health Department
80 Swan Way
Oakland, California

Reference: Shell Service Station
350 Grand Avenue
Oakland, California
WIC# 204-5510-0204

Ms. Eberle:

On behalf of Shell Oil Company, GeoStrategies Inc. has prepared the following response to your recent request regarding the contouring of potentiometric data at the above referenced site.

1. As stated in the notes of previous quarterly plates, Well S-3 water levels appear anomalous and were not used in contouring.
2. Petroleum hydrocarbon distribution in groundwater is limited to the corner of Perkins Street and Grand Avenue (Well S-2) which suggests downgradient movement towards the southwest.
3. Topographic contours of the area slope to the southwest towards Lake Merritt. Shallow groundwater would be expected to move in a similar direction.
4. Reports from other sites in the area show groundwater gradient direction towards Lake Merritt.

:MISC\7667.LTR(kjj)

GeoStrategies Inc.

Alameda County Health Department
December 16, 1992
Page 2

If you have any comments or questions, please call.

Sincerely,



Robert Lauritzen
Project Manager

RL/kjj

cc: Mr. Dan Kirk, Shell Oil Company
Mr. Lester Feldman, Regional Water Quality Control Board



GeoStrategies Inc.

2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545

(510) 352-4800

November 24, 1992

Ms. Jennifer Eberle
Alameda County
Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

Re: Shell Service Station
350 Grand Avenue
Oakland, California
WIC #204-8238-0100

Ms. Eberle:

This letter is to confirm our conversation of November 23, 1992 regarding street work at the above referenced location. It is our understanding after talking with the City of Oakland, that a moratorium on street work will be in effect from November 1, 1992 to December 31, 1992, in downtown Oakland. Excavation permits will be obtained the first week of January 1993, and field work will be performed the following week.

If you have any comments or questions, please call.

Sincerely,

A handwritten signature in cursive script that reads "Robert A. Lauritzen".

Robert A. Lauritzen
Project Geologist

:SHELL MISC/EBERLE/(rt)

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

June 23, 1992

STID 3714

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

RE: Shell Service Station
350 Grand Av.
Oakland CA 94610

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.

The file for this site has been recently reviewed by J. Eberle. A brief history of this site follows: A closure plan for four underground storage tanks (USTs) was received by this office in February 1990. The USTs were never removed, as discussed by telephone on 6/22/92 by yourself and J. Eberle. Instead, three groundwater monitoring wells were installed in April 1991. Soil and groundwater contamination was encountered, and an Unauthorized Leak/Release Report (ULR) was filed with this agency. Since 4/25/91, groundwater has been monitored on a quarterly basis; levels of TPH-g, TPH-d, and benzene have been consistently significant. Up to 32,000 ppb TPH-g, 36,000 ppb TPH-d, and 6,300 ppb benzene were detected in groundwater over the past five quarters of sampling.

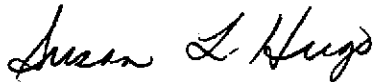
The reason for the cancellation of the UST removal remains unknown. According to our files, the USTs are single-walled and steel, and their date of installation is unknown. Quarterly Inventory records submitted to our office have shown "bad stick readings by employees" and inventory variations which exceeded the allowable limits since 1989.

There is obviously a problem at this site. It may be a leaking UST, pipeline, or an overspill during filling. Therefore, you are requested to submit a workplan addressing measures to adequately define the lateral and vertical extent of soil and groundwater contamination. Please respond to us **within 45 days or by August 7, 1992.** Although UST replacement is not mandated until 1998, tank removal in conjunction with remediation may be an option worthy of consideration in light of the situation outlined above.

Dan Kirk
STID 3714
Page 2 of 2
June 23, 1992

If you have any questions, please contact J. Eberle at 510-271-4320.

Sincerely,



Susan Hugo
Senior Hazardous Materials Specialist

cc: Major Brand Gas, Inc., PO Box 2099, Houston, TX 77252
Rich Hiatt, RWQCB
File

je

(Name/Address changes go to Annual Programs Data Entry)

Insp:

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
 StID : 3714 LOC: -0-
 SITE NAME: Devi Oil Company DATE REPORTED : 05/11/1990
 ADDRESS : 350 Grand Ave DATE CONFIRMED: 05/11/1990
 CITY/ZIP : Oakland 94610 MULTIPLE RPs : Y

SITE STATUS

 CASE TYPE: O CONTRACT STATUS: 4 PRIOR CODE:2A1 EMERGENCY RESP: -0-
 RP SEARCH: S DATE COMPLETED: 03/15/1992
 PRELIMINARY ASMNT: c DATE UNDERWAY: 01/07/1991 DATE COMPLETED: -0-
 REM INVESTIGATION: - DATE UNDERWAY: -0- DATE COMPLETED: -0-
 REMEDIAL ACTION: - DATE UNDERWAY: -0- DATE COMPLETED: -0-
 POST REMED ACT MON:- DATE UNDERWAY: -0- DATE COMPLETED: -0-

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 03/15/1990
 LUFT FIELD MANUAL CONSID: 3HSCAWG
 CASE CLOSED: - DATE CASE CLOSED: -0-
 DATE EXCAVATION STARTED : -0- REMEDIAL ACTIONS TAKEN: UK

RESPONSIBLE PARTY INFORMATION

 RP#1-CONTACT NAME: N/a
 COMPANY NAME: Major Brand Gas Inc.
 ADDRESS: 2238 Morello Ave.
 CITY/STATE: Pleasant Hill C A 94523

RP#2-CONTACT NAME: Jeff Granberry
 COMPANY NAME: Shell Oil Company
 ADDRESS: Po Box 4023
 CITY/STATE: Concord C A 94524

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only Case Progress Changes

ANPPGMS _____ LOP _____ DATE _____ LOP _____ DATE _____

- STID 3714 Shell Station, 350 Grand Ave.

Intrusive sewer trench investigation completed in 1999 (report not reviewed). Shallow GW. Lake Merritt 2 blocks downgradient. Periodic high MtBE hits in well next to UST complex. Needs SCM.

Don. Please take over this case.

Don

**ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320**

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH
478 - 27th Street, Third Floor,
Oakland, CA 94612
Telephone: (415) 874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your plans indicated by this Department are to ensure compliance with State and local laws. The project proposed herein is now released for issuance of any applicable permit for construction.

Approval of these accepted plans must be on the job and by the contractor and craftmen involved with the removal.

A review or alteration of these plans and specifications may be submitted to this Department to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws. If the Department is not satisfied with the plans, the Division required inspections:

_____ Removal of Tack and Piping
_____ Sampling
_____ Final Inspection

Issuance of a permit to operate is dependant on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL LIABILITY FOR NOT OBTAINING THESE INSPECTIONS.

Project # 4525682
Fee \$933.
Date 2/28/90
Ok. 6/28/90
With notes addition
Blhar

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name DEVI OIL COMPANY
Business Owner KRISHAN, GOYAL
2. Site Address 350 GRAND AV.
city OAKLAND zip 94610 Phone (415) 834-4246
3. Mailing Address SHELL OIL COMPANY P.O. BOX 4023
city CONCORD, CA zip 94524 Phone (415) 676-1414
4. Land Owner SHELL OIL COMPANY / STAN ROLLER
Address PO. BOX 4023 City, State CONCORD, CA zip 94524
5. EPA I.D. No. _____
6. Contractor Getteer Ryan
Address 2150 W. Winton Ave
City Hayward zip 94545 Phone 783-7570
License Type _____ ID# 220793
7. Consultant ROBERT H. LEE & ASSOC.
Address 900 LARKSPUR LANDING CIRCLE #125
city LARKSPUR, CA. 94939 Phone (415) 461-8890

8. Contact Person for Investigation

Name Dave Byron Title _____
Phone 783-7500

9. Total No. of Tanks at facility 4

10. Have permit applications for all tanks been submitted to this office? Yes [] No []

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name CROSBY & OVERTON INC. EPA I.D. No. CAD 981461064
Address 8430 AMELIA ST.
City OAKLAND State CA Zip 94621

b) Rinsate Transporter

Name CROSBY & OVERTON INC. EPA I.D. No. _____
Address (SAME AS ABOVE)
City _____ State _____ Zip _____

c) Tank Transporter

Name CROSBY & OVERTON INC. EPA I.D. No. _____
Address (SAME AS ABOVE)
City _____ State _____ Zip _____

d) Tank Disposal Site

Name ERICKSON INC. EPA I.D. No. CAD 009466392
Address 255 PARR BLVD.
City RICHMOND State CA Zip 94801

e) Contaminated Soil Transporter

Name STOCKPILE ON SITE EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

12. Sample Collector

Name KAPREALIAN ENGINEERING
 Company KAPREALIAN ENGINEERING
 Address P.O. BOX 913
 City BENECIA State CA Zip 94510 Phone (707) 746-6915

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
12,000	BLEND OF HYDROCARBONS	SOIL & GROUND WATER (IF APPLICABLE)	(2) CONFIRMATORY SAMPLES BENEATH EACH TANK; ONE SAMPLE AT EACH END AT NATIVE SOIL / BACKFILL INTERFACE. FOR SAMPLING PROTOCOL FOR SOIL/WATER, SEE ATTACHED.
12,000			
12,000			
10,000			

14. Have tanks or pipes leaked in the past? Yes [] No [X]

If yes, describe. _____

15. NFPA methods used for rendering tank inert? Yes [X] No []

If yes, describe. You must inert the tank to meet the local fire department requirements

An explosion proof combustible gas meter shall be used to verify tank inertness. Must have on site

16. Laboratories

Name SEQUOIA ANALYTICAL LABS
 Address 2549 MIDDLEFIELD RD.
 City REDWOOD CITY State CA. Zip 94063
 State Certification No. 145

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
TOTAL PETROLEUM HYDROCARBONS ANALYSIS	SOIL - 3550 WATER - 3510	EPA 5030 TPH - g TPH - d
TOTAL OIL & GREASE	418.1 (water) 503 DFE Soil	
BENZENE, TOLUENE, XYLENE, ETHYLBENZINE	EPA 8020 -OR- 602	FOLLOWED BY 8240 -OR- 624 Soil water

18. Submit Site Safety Plan

19. Workman's Compensation: Yes [] No []

Copy of Certificate enclosed? Yes [] No []

Name of Insurer Must present before obtaining approved plan

20. Plot Plan submitted? Yes [] No []

21. Deposit enclosed? Yes [] No []

22. Please forward to this office the following information within 60 days after receipt of sample results.

- a) Chain of Custody Sheets
- b) Original Signed Laboratory Reports
- c) TSD to Generator copies of wastes shipped and received
- d) Attachment A summarizing laboratory results

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel and safety.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor

Must sign before obtaining approved plan
(TO BE DETERMINED)

Name (please type) JOHN GREGORIN, ROBERT H. LEE & ASSOC. (REPRESENTATIVE

Signature *J. Gregorin*

FOR GETTLER-RYAN)

Date 7/2/90

Signature of Site Owner or Operator

Name (please type) SHELL OIL COMPANY, STAN ROLLER

Signature *Stanley J. Roller*

Date 7.20.90

NOTES:

1. Any changes in this document must be approved by this Department.
2. Any leaks discovered must be submitted to this office on an underground storage tank unauthorized leak/contamination site report form within 5 days of its discovery.
3. Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.
4. After approval of plan, notification of at least two (2) working days (48 hours) must be given to this Department prior to removal of tank(s).
5. A copy of your approved plan must be sent to the landowner.
6. Triple rinse means that:
 - a) Final rinse must contain less than 100 ppm of Gasoline (EPA method 8020 for soil, or EPA method 602 for water) or Diesel (EPA method 418.1). Other methods for halogenated volatile organics (EPA method 8010 for soil, EPA method 601 for water) may be required. The composition of the final rinse must be demonstrated by an original or facsimile report from a laboratory certified for the above analyses.
 - b) Tank interior is shown to be free from deposits or residues upon a visual examination of tank interior.
 - c) Tank should be labelled as "tripled rinsed; laboratory certified analysis available upon request" with the name and address of the contractor.

If all the above requirements cannot be met, the tank must be transported as a hazardous waste.

7. Any cutting into tanks requires local fire department approval.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A

SAMPLING RESULTS

Tank or Area	Contaminant	Location & Depth	Results (specify units)

INSTRUCTIONS

2. SITE ADDRESS

Address at which closure or modification is taking place.

5. EPA I.D. NO.

This number may be obtained from the State Department of Health Services, 916/324-1781.

6. CONTRACTOR

Prime contractor for the project.

7. OTHER

List professional consultants here.

12. SAMPLE COLLECTOR

Persons who are collecting samples.

13. SAMPLING INFORMATION

Historic contents - the principal product(s) used in the last 5 years.

Material sampled - i.e., water, oil, sludge, soil, etc.

16. LABORATORIES

Laboratories used for chemical and geotechnical analyses.

17. CHEMICAL METHODS:

All sample collection methods and analyses should conform to EPA or DHS methods.

Contaminant - Specify the chemical to be analyzed.

Sample Preparation Method Number - The means used to prepare the sample prior to analyses - i.e., digestion techniques, solvent extraction, etc. Specify number of method and reference if not an EPA or DHS method.

Analysis Method Number - The means used to analyze the sample - i.e., GC, GC-MS, AA, etc. Specify number of method and reference if not a DHS or EPA method.

NOTE:

Method Numbers are available from certified laboratories.

18. SITE SAFETY PLAN

A plan outlining protective equipment and additional specialized personnel in the event that significant amount of hazardous materials are found. The plan should consider the availability of respirators, respirator cartridges, self-contained breathing apparatus (SCBA) and industrial hygienists.

19. ATTACH COPY OF WORKMAN'S COMPENSATION

20. PLOT PLAN

The plan should consists of a scaled view of the facility at which the tank(s) are located and should include the following information:

- a) Scale
- b) North Arrow
- c) Property Line
- d) Location of all Structures
- e) Location of all relevant existing equipment including tanks and piping to be removed
- f) Streets
- g) Underground conduits, sewers, water lines, utilities
- h) Existing wells (drinking, monitoring, etc.)
- i) Depth to ground water
- j) All existing tanks in addition to the ones being pulled

rev. 9/88
mam

ALAMEDA COUNTY
HEALTH CARE SERVICES
DAVID J. KEARS, AGENCY
Agency Director



Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

~~470 27th Street, Third Floor
Oakland, California 94612~~

(415) 271-4320

February 1989

900 28 1989

OFFICE

SUBJECT: UNDERGROUND STORAGE TANK REMOVAL PROCESS IN ALAMEDA COUNTY

The Alameda County Department of Environmental Health, Hazardous Materials Division, requires specific steps to be taken for the removal of underground storage tanks within its jurisdiction. The County's enforcement authority derives from Title 23 of the California Code of Regulations (CCR) and Chapter 6.7 of the Health and Safety Code, and applies to underground storage tank removals within all parts of the county (except for the cities of Berkeley, San Leandro, Hayward, Newark, Union City, Fremont, and Pleasanton.) These cities administer their own underground storage tank programs and have their own specific requirements.

Alameda County's tank closure process is described below, in a step-by-step manner. Each step must be completed, and in the order shown, to ensure efficient review of your closure plan. These steps are as follows:

1. Submit a deposit to this office; the amount depends on the number of tanks to be removed. Authorized by Section 3-141.6 of the Alameda County Ordinance Code, the deposit covers time spent by Hazardous Materials Specialists in the follow-up activities associated with the project. Upon project completion, any balance remaining will be refunded to you.
2. Fill out and submit in triplicate to this office a closure plan. Instructions for filling out the standard form are located at the back of the form. It is important to fill out all blanks on the closure plan, especially those pertaining to: EPA Identification numbers; historic contents of the tank(s) to be removed; sample analysis information; and identification of the registered hazardous waste hauler who will handle tank removal.
3. Submit with the closure plan three copies of each of the following: a) the contractor's workman's compensation insurance certificate with the site address typed on the form; b) your site safety plan; and c) a plot plan of the facility. The site safety plan should consist of standard safe operating procedures and contingency plans; it must

specify that an explosimeter will be on-site for checking the tank(s) before removal, that two fire extinguishers and Level C protective clothing will be available to workers on the job site, and which individual will take responsibility for site safety during tank removal. The site safety plan should also include all elements specified in 29 CFR 1910.120 (i)(2)(i), for worker protection in the event that significant contamination is found.

4. Pick up your two copies of the closure plan once this office has stamped "accepted" on all three copies. If you don't pick up your two copies within five days of this office's approval, we will mail them to you (one copy of this approved plan should be kept on-site during tank removal, and you should send the other copy to the property owner).
5. Present the approved closure plan to the local fire department, which will issue a permit authorizing tank removal.
6. Inform the Hazardous Materials Specialist assigned to the project of the date and time you have scheduled for tank removal. Give him/her at least 72 hours' advance notice.
7. Proceed with tank removal even if the Hazardous Materials Specialist does not show up. Inspectors will normally want to be on-site to examine the tanks and excavated soil and to oversee collection of samples; however, because of unforeseen schedule conflicts, the inspector may not be able to observe the tank removal.
8. Submit sample analysis data within 60 days of tank removal. Also send to this office copies of the chain-of-custody forms and manifests documenting disposal of the tanks and any contents.

If there has been no leak and no site remediation is required, the inspector will instruct our billing department to refund any balance to you.

If sample analytical data or other evidence indicates the likelihood of soil or groundwater contamination, you must file an underground tank leak report to this office within 5 days of tank removal. These report forms are available at the San Francisco Bay Regional Water Quality Control Board in Oakland: 415/464-1255. An additional deposit may be required at this point. Then, you must take the following steps:

1. Conduct a preliminary assessment to determine the extent and

ROBERT H. LEE & ASSOCIATES, INC.

900 Larkspur Landing Circle
Suite 125
LARKSPUR, CALIFORNIA 94939

(415) 461-8890
FAX (415) 461-8678

LETTER OF TRANSMITTAL

90 JUL -5 AM 11:52

DATE	7/2/90	JOB NO.	6965.00
ATTENTION	BARNEY CHAN		
RE:	SHELL		
	350 GRAND AV, OAKLAND.		

TO _____

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

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

COPIES	DATE	NO.	DESCRIPTION
1			CLOSURE PLANS, SIGNED.
1			COPY OF WORKMANS COMP.

THESE ARE TRANSMITTED as checked below:

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

REMARKS

DEAR BARNEY,

IN MY HASTE I FAILED TO LEAVE
A COPY OF THE CLOSURE PLANS WITH YOUR
OFFICE.

THANK-YOU,
JOHN GREGORIN

COPY TO _____

SIGNED:

John Gregorin

CERTIFICATE OF INSURANCE

SRM

01910

ISSUE DATE

04/12/90

PRODUCER

COOPER & COOK INSURANCE SERVICES
 P O BOX 1030
 PLEASANTON CA 94566

CODE

SUB-CODE

INSURED

GETTLER-RYAN, INC.
 2150 WEST WINTON AVENUE
 HAYWARD, CA 94545

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW

COMPANIES AFFORDING COVERAGE

COMPANY LETTER	A	NATL UNION FIRE INS CO OF PITTS
COMPANY LETTER	B	FIREMANS FUND INSURANCE
COMPANY LETTER	C	INS CO OF THE STATE OF PENNSYLV
COMPANY LETTER	D	NO AMER CO FOR PROP/CASUALTY
COMPANY LETTER	E	REPUBLIC INDEMNITY

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO TR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	ALL LIMITS IN THOUSANDS	
					EACH OCCUR	AGGREGATE
A	GENERAL LIABILITY	GL5424154	04/01/90	04/01/91	GENERAL AGGREGATE	\$ 2,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY				PRODUCTS-COMP/OPS AGGR	\$ 1,000
	<input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR.				PERSONAL & ADVERTISING INJURY	\$ 1,000
	<input type="checkbox"/> OWNER'S & CONTRACTOR'S PROT.				EACH OCCURRENCE	\$ 1,000
					FIRE DAMAGE (Any one fire)	\$ 200
					MEDICAL EXPENSE (Any one person)	\$ 5
B	AUTOMOBILE LIABILITY	MZA80082127	04/01/90	04/01/91	COMBINED SINGLE LIMIT	\$ 1,000
	<input type="checkbox"/> ANY AUTO				BODILY INJURY (Per person)	\$
	<input type="checkbox"/> ALL OWNED AUTOS				BODILY INJURY (Per acc)	\$
	<input checked="" type="checkbox"/> SCHEDULED AUTOS				PROPERTY DAMAGE	\$
	<input checked="" type="checkbox"/> HIRED AUTOS					
<input checked="" type="checkbox"/> NON-OWNED AUTOS						
<input type="checkbox"/> GARAGE LIABILITY						
C	EXCESS LIABILITY	4790-5698	04/01/90	04/01/91	EACH OCCUR	\$ 1,000
	<input checked="" type="checkbox"/> UMBRELLA				AGGREGATE	\$ 1,000
	OTHER THAN UMBRELLA FORM					
E	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY	PC994725	04/01/90	04/01/91	STATUTORY	\$ 1,000 (EACH ACCIDENT)
						\$ 1,000 (DISEASE-POLICY LIMIT)
						\$ 1,000 (DISEASE-EACH EMPLOYEE)
OTH.						

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/RESTRICTIONS/SPECIAL ITEMS
 "ALL CALIFORNIA OPERATIONS"

CERTIFICATE HOLDER

COUNTY OF ALAMEDA
 PUBLIC WORKS AGENCY
 399 ELMHURST STREET
 HAYWARD, CA 94544

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

Robert J. Cooper