

**RECEIVED**

*By dehloptoxic at 10:59 am, Aug 16, 2006*

August 15, 2006

Mr. Barney Chan  
ACEHS  
1131 Harbor Bay Pkwy, Ste. 250  
Alameda, CA 94502

RE: Chevron # 90290  
1802 Webster St, Alameda  
ACEHS RO#: 383

Dear Mr. Chan:

This letter is to inform you of a change in management for the above-referenced site.

Effective immediately, the Cambria Environmental Technology, Inc. project manager is:

Laura Genin  
Cambria Environmental Technology, Inc.  
5900 Hollis St., Suite A  
Emeryville, CA 94608  
Office phone: 510-420-3367

Please contact Laura Genin at 510-420-3367 or Bob Foss at 510-420-3348 you have any questions.

Regards,

Cambria Environmental Technology, Inc.

**RECEIVED**

By DEHLOPTOXIC at 2:09 pm, Jul 03, 2006

June 29, 2006

Mr. Barney Chan  
ACEHS  
1131 Harbor Bay Pkwy, Ste. 250  
Alameda, CA 94502

RE: Chevron # 90290  
1802 Webster St, Alameda  
ACEHS RO# 383

Dear Mr. Chan:

This letter is to inform you of a change in management for the above-referenced site.

Effective immediately, the new Chevron project manager will be:

Satya Sinha  
Chevron Environmental Management Company  
6001 Bollinger Canyon Rd., K-2256  
San Ramon, CA 94583  
Office phone: 925-842-1589

Please contact either Mr. Sinha of Chevron or Laura Genin of Cambria Environmental Technology at 510-420-3367 if you have any questions.

Regards,

Cambria Environmental Technology, Inc.

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



7

July 22, 2005

Mr. Mark Inglis  
6001 Bollinger Canyon Rd.  
San Ramon, CA 94583

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

Dear Mr. Inglis:

Subject: Fuel Leak Case ~~10-0000185~~, Chevron Service Station #9-0290,  
1802 Webster St., Alameda, CA 94501

Alameda County Environmental Health staff has reviewed the case file for the referenced site including the May 17, 2005 *Down Gradient Subsurface Investigation Workplan* from Cambria, your consultant. The work plan was prepared to investigate the down-gradient petroleum plume from the site including its potential migration through utilities. The work plan includes two phases. Based upon the results of the initial soil and groundwater investigation a monitoring well will be installed in the appropriate location. We request that you address the following technical comments and submit the technical report requested below.

TECHNICAL COMMENTS

1. The proposed boring locations are approved. Soil samples are to be collected at two feet intervals to a depth of approximately 8 feet. We request that you determine the vertical extent of contamination by verifying that contamination does not remain potentially submerged below the first encountered groundwater level. At least one additional soil sample below the original deepest sample should be collected for screening and/or chemical analysis to confirm the vertical extent of contamination.
2. The work plan proposes the installation of one monitoring well based upon the results of the initial soil and groundwater investigation. We request that enough monitoring wells be installed to determine the lateral extent of contamination, which may be more than one.
3. There is uncertainty whether the elevated MTBE detected in well B-6 on this site is from an on or off-site release. The former BP Station at 1716 Webster St. is a potential up-gradient source of this contamination. The recovery well on their site has reduced their MTBE concentrations but has had no effect on B-6 concentrations. We request that at least one additional boring be advanced between these wells to confirm the source of the MTBE contamination currently being found in well B-6. A cross-section from this data should be provided to support your conclusion.
4. Interim remediation should be considered to reduce the elevated MTBE concentrations in the areas of B-6 and B-11. Please propose interim remediation to be implemented at the conclusion of your subsurface investigation.

July 22, 2005  
Mr. Mark Inglis  
RO0000195  
Page 2

#### TECHNICAL REPORT REQUEST

Please submit the following technical reports to our office according to the following schedule.


- August 5, 2005- Written response ( e mail acceptable) to the above items.
- 45 days after completion of subsurface investigation- Soil and groundwater investigation report and proposed location(s) of additional monitoring wells.

#### 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.

Please contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

C: files, D. Drogos

Mr. Robert Foss, Cambria, 5900 Hollis St., Suite A, Emeryville, CA 94608  
Mr. Kyle Christie, ARCO, 4 Centerpointe Drive, Rm. 172, La Palma, CA 90623  
Ms. Liz Sewell, ConocoPhillips, 76 Broadway, Sacramento, CA 95818

7\_22\_05 1802 Webster wp

C A M B R I A

February 25, 2005

Mr. Barney Chan  
ACHSA  
1131 Harbor Bay Pkwy.  
Alameda, CA 94502-6577

RE: 1802 Webster St, Alameda  
ACHSCA RO#: 0000195

Dear Mr. Chan:

RECEIVED  
MAR 11 2005  
CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC.



This letter is to inform you of a change in management for the above-referenced site.

Effective immediately, the new ChevronTexaco project manager will be:

Mr. Mark Inglis  
ChevronTexaco  
6001 Bollinger Canyon Rd., K-2256  
San Ramon, CA 94583  
Phone: 925-842-1589

Please contact either Mr. Mark Inglis or Cambria if you have any questions.

Regards,

Cambria Environmental Technology, Inc.

cc: Mark Inglis, Chevron Texaco

**Cambria  
Environmental  
Technology, Inc.**

5900 Hollis Street  
Suite A  
Emeryville, CA 94608

Tel (510) 420-0700  
Fax (510) 420-9170  
Site #: 90290



3164 Gold Camp Drive  
Suite 200  
Rancho Cordova, California 95670-6021  
916/638-2085  
FAX: 916/638-8385

December 12, 2001

Ms. Eva Chu  
Alameda County Health Care Services Agency-Environmental Health Department  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

**Subject: Deadline Extension Request, Chevron Service Station No. 9-0290, 1802 Webster Street, Alameda, California**

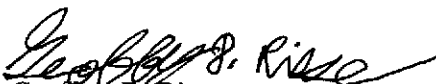
Ms. Chu:

On behalf of Chevron Products Company (Chevron), Delta Environmental Consultants Inc. network associate Gettler-Ryan Inc. (GR) requests a deadline extension on implementing fieldwork and deferment of the Corrective Action Plan (CAP) at the above referenced site. Alameda County Health Care Services Agency-Environmental Health Department in a letter dated October 18, 2001 requested that the installation of the wells and preparation of the CAP be completed by December 19, 2001. GR is currently in the process of securing access agreements from Jack in the Box Inc. and Mr. and Mrs. Johns to install the groundwater monitoring wells on their properties. As of this date, GR have received no response from Mr. and Mrs. Johns, despite being sent a follow-up letter. GR is waiting on Jack in the Box Inc. response to Chevron's request for a change of wording in the Jack in the Box license agreement. We anticipate the wells will be installed by the end of February, if access is granted by January.

In addition, GR, on Chevron's behalf, requests to defer the CAP until the petroleum hydrocarbon plume has been delineated. GR will prepared the CAP once the newly installed wells have been monitored and sampled for two quarters to insure that the petroleum hydrocarbon plume has been delineated

If you have any questions, please call us in our Sacramento office at (916) 631-1300.

Sincerely,  
**DELTA ENVIRONMENTAL CONSULTANTS, INC.**  
Network Associate **GETTLER-RYAN INC.**

  
Geoffrey D. Risse  
Project Geologist

CC: Mr. Thomas Bauhs, Chevron Products Company, P.O. Box 6004, San Ramon CA 94583  
Mr. James Brownell, Delta Environmental Consultants Inc., 3164 Gold Camp Dr., Suite 200,  
Rancho Cordova, CA 95670

DG90290G.4C02

Providing a Competitive Edge

20-195

NOV 30 2001



3164 Gold Camp Drive  
Suite 200  
Rancho Cordova, California 95670-6021  
916/638-2085  
FAX: 916/638-8385

November 27, 2001

Stuart and Mary Johns  
1897 Castle Hill Road  
Walnut Creek, California 94595

**Subject: Access for Environmental Investigation at 1825 Webster Street, Alameda, CA**

Mr. and Mrs. Johns:

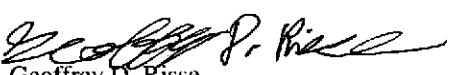
Chevron Products Company (Chevron) is conducting an environmental investigation into the release of gasoline at their service station located at 1802 Webster Street in Alameda, California. The Alameda County Health Care Services Agency Environmental Health Department has requested that Chevron assess soil and groundwater northwest of station.

Your property at 1825 Webster Street is situated northwest of the Chevron service station. In a letter dated October 23, 2001, Delta Environmental Consultants Inc. network associate Gettler-Ryan Inc. (GR) on behalf of Chevron requested access to your property for one day to install one groundwater monitoring well (copy of letter attached). Copies of an access agreement were attached to October 23, 2001 letter. To date we have not received a response to our request for access.

Chevron would like to proceed with this work immediately. Please review the access agreements that were attached to the October 23, 2001 letter at your earliest convenience. If they are acceptable, please sign and return them to Chevron. If you require additional copies of the agreements or have questions regarding the proposed work, please contact GR at 916-631-1300. If you have questions regarding the access agreement itself, please contact Mr. Tom Bauhs, Chevron Environmental Project Manager for this site, at 925-842-8898.

Sincerely,

**DELTA ENVIRONMENTAL CONSULTANTS, INC.**  
Network Associate **GETTLER-RYAN INC.**

  
Geoffrey D. Risse  
Staff Geologist

Attachment: Letter of October 23, 2001

Cc: (w/o attachment)  
Mr. Thomas Bauhs, Chevron Products Company, P.O. Box 6004, San Ramon, CA 94583  
Ms. Eva Chu, Alameda County Health Care Services Agency Environmental Health  
Department, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502  
Mr. Jim Brownell, Delta Environmental Consultants, Inc., 3164 Gold Camp Drive, Suite 200,  
Rancho Cordova, CA 95670

345280.02



3164 Gold Camp Drive  
Suite 200  
Rancho Cordova, California 95670-6021  
916/638-2085  
FAX: 916/638-8385

NOV 27 2001

November 21, 2001

Mr. Michael J. Snider, Esq.  
Jack in the Box Inc.  
9330 Balboa Street  
San Diego, California 92123-1516

**Subject: Jack in the Box License Agreement, Jack in the Box #437, 1826 Webster Street, Alameda, CA**

Mr. Snider:

I have forwarded the Jack in the Box license agreements to Chevron Products Company (Chevron) for review by the Chevron legal department. Upon review of the Jack in the Box license agreement, Chevron has requested the following wording change at the end of Section 3.6:

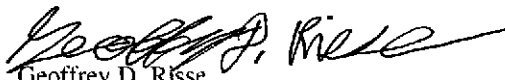
"...shall be promptly restored by Licensee to a condition which is as close as reasonably practicable to the condition just prior to such disturbance."

Once this change in wording is made; the Jack in the Box license agreement is acceptable to Chevron. If Jack in the Box agrees to change the wording in Section 3.6, please revise the license agreement then, sign and return two copies of the revised license agreement to Mr. Thomas Bauhs, Chevron Products Company, P.O. Box 6004, San Ramon, CA 94583. Once Mr. Bauhs signs the agreements, a copy will be returned to you for your records. Your prompt attention to this matter would be greatly appreciated.

If you have any questions, please call me at (916) 631-1300.

Sincerely,

**DELTA ENVIRONMENTAL CONSULTANTS, INC.**  
Network Associate **GETTLER-RYAN INC.**

  
Geoffrey D. Risse,  
Project Geologist

Cc: Mr. Thomas Bauhs, Chevron Products Company, P.O. Box 6004, San Ramon, CA 94583  
Ms. Eva Chu, Alameda County Health Care Services Agency, Environmental Health  
Department, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502  
Mr. Jim Brownell, Delta Environmental Consultants, Inc., 3164 Gold Camp Drive, Suite 200,  
Rancho Cordova, CA 95670

345280.02





3164 Gold Camp Drive  
Suite 200  
Rancho Cordova, California 95670-6021  
916/638-2085  
FAX: 916/638-8385

October 23, 2001

Stuart and Mary Johns Trust  
1897 Castle Hill Road  
Walnut Creek, California 94595

**Subject: Access Agreement for Environmental Investigation at 1825 Webster Street,  
Alameda, CA**

Mr. and Mrs. Johns:

At the request of Chevron Products Company (Chevron), Delta Environmental Consultants, Inc. network associate Gettler-Ryan Inc. (GR) is requesting permission to allow Chevron to enter your property at 1825 Webster Street in Alameda to perform environmental assessment work.

The Alameda County Health Care Services Agency Department of Environmental Health is requiring Chevron to perform additional environmental assessment work to evaluate the presence of gasoline constituents in soil and groundwater in the vicinity of Chevron Service Station #9-0290 located at 1802 Webster Street in Alameda. To comply with the request, GR on behalf of Chevron has submitted a work plan to assess soil and groundwater northwest of the service station by installing one groundwater monitoring well in the parking lot on your property. A copy of the work plan is included with this letter.

The monitoring well will be installed using a truck mounted drill rig equipped with 8-inch-diameter hollow-stem augers to drill a hole approximately 18 feet deep. A 2-inch-diameter slotted plastic pipe is placed in the hole, surrounded by sand, and cemented into place. The pipe is sealed with a locking well cap and a traffic rated well box is placed over it. A round steel plate is bolted onto the well box and the entire box is cemented into place flush with the existing pavement. This work usually takes one day to complete, and every effort will be made to limit the disruption in the use of the property.

After installation, the well will have to be sampled on a regular basis. The sampling interval is usually every three months. *The sampling requires access to the well for only an hour or two each event.* A technician measures the depth to water and a sample of the water is collected for submittal to a lab for analysis. The data is used to determine the extent of any hydrocarbon migration.

Quarterly sampling of the well will most likely be required for five years. Once the environmental investigation is completed, the well will be properly abandoned and your property restored per the terms of the agreement.

I have attached three copies of Chevron's site access agreement. This is a legal document and you may wish to have an attorney review it. If you agree to allow Chevron to enter the property to

345280.02

OCT 25 2001

Access Agreement Letter, Chevron #9-0290, Alameda  
October 23, 2001

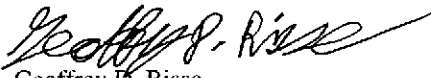
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complete this required work, please sign and return two copies of the access agreement to Mr. Thomas Bauhs, Chevron Products Company, P.O. Box 6004, San Ramon, CA 94583. Once Mr. Bauhs signs the agreements, a copy will be returned to you for your records. Your prompt attention to this matter would be greatly appreciated.

If you have any questions, please call me at (916) 631-1300.

Sincerely,

**DELTA ENVIRONMENTAL CONSULTANTS, INC.**  
Network Associate **GETTLER-RYAN INC.**



Geoffrey D. Risse  
Staff Geologist

Attachment: Access agreement (3)  
Work plan

Cc: (w/o attachments)  
Mr. Thomas Bauhs, Chevron Products Company, P.O. Box 6004, San Ramon, CA 94583  
Ms. Eva Chu, Alameda County Health Care Services Agency Environmental Health  
Department, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502  
Mr. Jim Brownell, Delta Environmental Consultants, Inc., 3164 Gold Camp Drive, Suite 200,  
Rancho Cordova, CA 95670



3164 Gold Camp Drive  
Suite 200  
Rancho Cordova, California 95670-6021  
916/638-2085  
FAX: 916/638-8385

October 19, 2001

Foodmaker Inc.  
9330 Balboa Street  
San Diego, California 92123

**Subject: Access Agreement for Environmental Investigation at 1826 Webster Street, Alameda, CA**

Foodmaker Inc.:

At the request of Chevron Products Company (Chevron), Delta Environmental Consultants, Inc. network associate Gettler-Ryan Inc. (GR) is requesting permission to allow Chevron to enter your property at 1826 Webster Street in Alameda to perform environmental assessment work.

The Alameda County Health Care Services Agency Department of Environmental Health is requiring Chevron to perform additional environmental assessment work to evaluate the presence of gasoline constituents in soil and groundwater in the vicinity of Chevron Service Station #9-0290 located at 1802 Webster Street in Alameda. To comply with the request, GR on behalf of Chevron has submitted a work plan to assess soil and groundwater north of the service station by installing one groundwater monitoring well in the parking lot on your property. A copy of the work plan is included with this letter.

The monitoring well will be installed using a truck mounted drill rig equipped with 8-inch-diameter hollow-stem augers to drill a hole approximately 18 feet deep. A 2-inch-diameter slotted plastic pipe is placed in hole, surrounded by sand, and cemented into place. The pipe is sealed with a locking well cap and a traffic rated well box is placed over it. A round steel plate is bolted onto the well box and the entire box is cemented into place flush with the existing pavement. This work usually takes one day to complete, and every effort will be made to limit the disruption in the use of the property.

After installation, the well will have to be sampled on a regular basis. The sampling interval is usually every three months. The sampling requires access to the well for only an hour or two each event. A technician measures the depth to water and a sample of the water is collected for submittal to a lab for analysis. The data is used to determine the extent of any hydrocarbon migration.

Quarterly sampling of the well will most likely be required for five years. Once the environmental investigation is completed, the well will be properly abandoned and your property restored per the terms of the agreement.

I have attached three copies of Chevron's site access agreement. This is a legal document and you may wish to have an attorney review it. If you agree to allow Chevron to enter the property to complete this required work, please sign and return two copies of the access agreement to Mr. Thomas Bauhs, Chevron Products Company, P.O. Box 6004, San Ramon, CA 94583. Once Mr. 345280.02

Bauhs signs the agreements, a copy will be returned to you for your records. Your prompt attention to this matter would be greatly appreciated.

If you have any questions, please call me at (916) 631-1300.

Sincerely,

**DELTA ENVIRONMENTAL CONSULTANTS, INC.**  
Network Associate **GETTLER-RYAN INC.**



Geoffrey D. Risse,  
Staff Geologist

Attachment: Access agreement (3)  
Work plan

Cc: (w/o attachments)  
Mr. Thomas Bauhs, Chevron Products Company, P.O. Box 6004, San Ramon, CA 94583  
Ms. Eva Chu, Alameda County Health Care Services Agency, Environmental Health  
Department, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502  
Mr. Jim Brownell, Delta Environmental Consultants, Inc., 3164 Gold Camp Drive, Suite 200,  
Rancho Cordova, CA 95670

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

RO0000195

October 18, 2001

Tom Bauhs  
Chevron Products Co.  
P.O. Box 6004  
San Ramon, CA 94583

**RE: Workplan Approval for Chevron No. 9-0290 at 1802 Webster St., Alameda, CA**

Dear Mr. Bauhs:

I have completed review of Delta Environmental Consultants, Inc.'s October 2001 *Work Plan for Additional Investigation* prepared for the above referenced site. The proposal to install two offsite groundwater monitoring wells and a soil boring near former boring SB2 is acceptable. Field work should commence within 60 days of the date of this letter, or by **December 19, 2001**. Please provide at least 72 hours advance notice of field activities.

At this time you should also prepare a Corrective Action Plan for the remediation of high MTBE concentrations at the source area and to reduce the spread of MTBE to a wider area.

If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

email: David Herzog, Delta Environmental

## **Chu, Eva, Env. Health**

---

**From:** Chu, Eva, Env. Health  
**Sent:** October 12, 2001 4:29 PM  
**To:** 'Bauhs, Tom'  
**Cc:** 'Brownell, James'  
**Subject:** 1802 Webster St, Alameda

Hi Tom,

I just reviewed the QMR for Chevron SS#9-0290. There was free product in well A-1 and an increase in MTBE concentration in well B-11 to 140,000ppb. I had requested a workplan to install offsite groundwater monitoring wells. Now I think you also need to consider putting together a corrective action plan to remediate and/or control the MTBE plume. Please have Gettler-Ryan starting working on that. Thanks.

*evachu*

Alameda County Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502  
(510) 567-6762  
(510) 337-9335 fax

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

RO0000195

September 13, 2001

Mr. Tom Bauhs  
Chevron Products  
P.O. Box 6004  
San Ramon, CA 94583

**RE: Workplan for Off-site Monitoring Wells at 1802 Webster Street, Alameda, CA**

Dear Mr. Bauhs:

I have completed review of Delta Environmental Consultants, Inc.'s September 2001 *Limited Subsurface Investigation Report* prepared for the above referenced site. Eleven soil borings were advanced to delineate the extent of the contaminant plume north of the site and to evaluate if utility trenches act as preferential pathways for hydrocarbon migration. Soil borings SB-5, SB-7, SB-9, SB-10 and SB-11 advanced along the Webster Street right-of-way could not be completed due to auger refusal at 4 feet bgs. Boring SB-3 also encountered refusal, due to pea gravel, at 4 feet bgs.

Results of the investigation were inconclusive to whether the utility trenches are acting as preferential migration pathways. The extent of the plume under Webster Street could not be delineated. The identification of 910,000ppb TPHg in the grab groundwater sample from boring SB-2 could not be explained.

This agency concurs with your consultant's recommendation to install two groundwater monitoring wells north and northwest of the site. In addition, a soil boring should be placed in the vicinity of boring SB-2 to confirm the TPHg concentration detected in groundwater. A workplan for this phase of investigation is due within 60 days of the date of this letter, or by **November 16, 2001**.

If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

email: Stephen Carter  
James Brownell

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

StID 1236

February 6, 2001

Mr. Thomas Bauhs  
Chevron Products Co.  
P.O. Box 6004  
San Ramon, CA 94583

**RE: Work Plan Approval for 1802 Webster Street, Alameda, CA**

Dear Mr. Bauhs:

I have completed review of Gettler-Ryan Inc.'s February 1, 2001 *Work Plan for a Limited Subsurface Investigation* prepared for the above referenced site. The proposal to advance eight off-site and three on-site soil borings to collect soil and/or grab groundwater samples is acceptable. Site specific data collected from this phase of investigation will be incorporated into a risk evaluation. Field work should commence within 60 days of the date of this letter, or **by April 9, 2001**. Please provide at least 72 hours advance notice of field activities.

If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

email: Stephen Carter



## **Chu, Eva, Public Health, EHS**

---

**From:** jbrownell@deltaenv.com[SMTP:jbrownell@deltaenv.com]  
**Sent:** December 11, 2000 5:11 PM  
**To:** EChu@co.alameda.ca.us  
**Cc:** tkba@chevron.com; bsieminski@grinc.com  
**Subject:** RE: 1802 Webster Street, Alameda, CA

Thanks Eva. Barbara will get back to you if we need more time.

I spoke to Tom today about meeting with you to discuss the sites we are evaluating risk based corrective actions. It seems there are a number of them we are working with you on. Are you available in January to meet? I will identify your sites as well as sites others have such as Barney, Larry, and Scott.

Jim

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

**From:** Chu, Eva, Public Health, EHS [mailto:EChu@co.alameda.ca.us]  
**Sent:** Monday, December 11, 2000 4:54 PM  
**To:** 'jbrownell@deltaenv.com'  
**Subject:** 1802 Webster Street, Alameda, CA

Hi Jim,

I just reviewed Delta's 2nd Quarter 2000 Groundwater Monitoring and Sampling for Chevron 9-0290. I had also reviewed the October 2000 SCM and responded to Tom Bauhs, but forgot to copy you. Here is my letter of November 2000:

<<chevron0290-3.doc>>

If you need additional time to complete a workplan, let me know. It won't be a problem.

Happy holidays,

evachu

Alameda County Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502  
(510) 567-6762  
(510) 337-9335 fax

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

StID 1236

November 28, 2000

Mr. Thomas Bauhs  
Chevron Products  
P.O. Box 6004  
San Ramon, CA 94583

**RE: Workplan for Additional Investigations at 1802 Webster Street, Alameda, CA**

Dear Mr. Bauhs:

I have completed review of Delta Environmental Consultants, Inc's (Delta) October 2000 *Site Conceptual Model (SCM)* prepared for the above referenced site. The purpose of the SCM was to evaluate whether further environmental investigation and/or remediation of soil and/or groundwater is warranted at the site. Based on the review of site specific data generated to date, Delta believes that natural attenuation may be the preferable approach to remediate the site. However, additional investigations are needed to obtain site specific data to be used in a risk evaluation. Therefore, Delta recommended that:

- additional soil borings be advanced to delineate the extent of the plume to the north and to determine if the utility trenches act as preferential pathways for plume migration;
- residual soil contamination near the station building be evaluated; and,
- a well survey be performed to identify potential receptors.

A Risk Based Corrective Action (RBCA) will be performed using the data collected from the additional investigation. This office concurs with Delta's recommendations. A workplan for the proposed investigation is due within 60 days of the date of this letter, or by **January 31, 2001**. For your information, the BP Oil site located at 1716 Webster Street just completed a well survey. You may review that document at your convenience.

If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

c: Barbara Sieminski, Gettler-Ryan, 6747 Sierra Court, Suite G, Dublin, CA 94568

chevron0290-3



ENVIRONMENTAL  
PROTECTION  
3169 Gold Camp Drive  
Suite 200  
Rancho Cordova, CA 95670-6021  
00 DEC -8 12:13  
916/638-2000  
FAX: 916/638-8385

November 28, 2000

Ms. Eva Chu  
Alameda County Health Care Services,  
Department of Environmental health  
1153 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Subject: *Second Quarter Event of May 8, 2000,  
Groundwater Monitoring and Sampling Report*  
Chevron Service Station No. 9-0290  
1802 Webster Street  
Oakland, California  
Delta Project No. DG90-290

Dear Ms. Chu:

Attached for your review and comment is a letter report entitled *Second Quarter Event of May 8, 2000, Groundwater Monitoring and Sampling Report* for the above referenced site. This report was prepared by Delta Environmental Consultants, Inc. / Gettler-Ryan, Inc and details the results of the May 2000 ground water monitoring and sampling event.

A Site Conceptual Model (SCM), dated October 24, 2000, was submitted to Alameda County Health Services. Additional investigation work is anticipated to be performed during First Quarter 2001, following Alameda County review of the SCM.

If you have questions or comments regarding this report, please contact me at (916) 638-2765.

Sincerely,

**DELTA ENVIRONMENTAL CONSULTANTS, INC.**

  
Jim Brownell  
Project Manager

*jbrownell@deltaenv.com*

JRB (2nd Qrt 2000 QM-9-0290.doc)  
Enclosures

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)

StID 1236

July 19, 1999

Mr. Phil Briggs  
Chevron Products Co  
P.O.Box 6004  
San Ramon, CA 94583-0904

**RE: Work Plan Approval for 1802 Webster Street, Alameda, CA**

Dear Mr. Briggs:

I have completed review of Cambria's June 1999 *Subsurface Investigation Work Plan* prepared for the above referenced site. The proposal to conduct subsurface investigations in the vicinity of underground utilities to determine if they act as potential conduits for the off-site migration of contaminants is acceptable. Data collected from this phase of the investigation will be used in a risk assessment to establish clean-up goals for the site.

Field activities should commence within 60 days of the date of this letter. Please provide 72 hours notice to this office prior to the start of field work. If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

c: Robert Foss  
Cambria  
1144 65<sup>th</sup> Street, Suite B  
Oakland, CA 94608

9/28/99. Hunter wants to review public works record for utility line construction details to determine if they are conduits. After that, he will ~~send~~ decide if add'l HP are necessary down Webster St. Expect response in 2 weeks. Oct 15, 1999

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



StID 1236

March 24, 1999

Mr. Phil Briggs  
Chevron Products  
P.O. Box 6004  
San Ramon, CA 94583-0904

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

**RE: Additional Investigations Required at 1802 Webster Street, Alameda, CA**

Dear Mr. Briggs:

I have had the opportunity to review the file for the above referenced site. A gasoline fuel release has been documented at the site since December 1981. The former USTs were removed and replaced in January 1982. A new diesel UST was also installed. In September 1991 diesel fuel was accidentally released into the tank backfill well (A-1). Product removal commenced immediately and to date it appears most of the diesel fuel has been recovered. Separate phase hydrocarbon (SPH) is still measurable in well A-1, but chemical analysis of the product sample suggests that the SPH is mostly waste oil. Absorbent pads are now used in A-1 to remove SPH. Groundwater monitoring wells have been installed on- and off-site to delineate the extent of the groundwater plume.

Currently hydrocarbons have not been detected in the off-site wells (B-7 and B-9). However, groundwater from the perimeter wells (B-5, B-10 through B-13) continues to reveal elevated concentrations of gasoline and diesel constituents. At this time, additional investigations are required to determine if:

- utility trenches (sewer, storm water, etc.) along Webster Street may act as conduits for the migration of contaminants;
- residual soil and groundwater contamination pose a risk to human health; and,
- waste oil constituents are present in groundwater (TOG, HVOCs, SVOCs, metals (Cd, Cr, Pb, Ni, and Zn)).

A utility survey and risk assessment should be prepared for the site. And the next sampling event should include the analysis of groundwater from well B-12 for the above waste oil constituents.

If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

chevron0290-1

**BLAINE**  
TECH SERVICES INC.



1680 ROGERS AVENUE  
SAN JOSE, CALIFORNIA 95112  
(408) 573-7771 FAX  
(408) 573-0555 PHONE

February 12, 1997

Phil Briggs  
Chevron U.S.A. Products Company  
P.O. Box 5004  
San Ramon, CA 94583

Re: Inaccurate Placement Of Well B-5  
Chevron Service Station #9-0290  
1802 Webster Street, Alameda, CA

Dear Mr. Briggs,

Per your request, a reexamination of the site plan from the Fourth Quarter 1996 Monitoring Report revealed an error in the placement of well B-5. Incorrect interpretation of field survey notes placed well B-5 in close proximity to well B-11.

On February 10, the site and well locations were remeasured in the field. The resulting corrected site plan showing B-5 approximately 20 feet north of B-11 will appear in our First Quarter 1997 Monitoring Report.

If you have any questions, please call me at (408) 573-0555 x 201.

Sincerely,

Francis Thie  
Senior Project Coordinator

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

StID 1236

February 5, 1997

Mr. Philip Briggs  
Chevron Products  
P.O. Box 5004  
San Ramon, CA 94583-0904

**RE: BTEX Analysis at Chevron Service Station #9-0290, 1802  
Webster Street, Alameda, CA**

Dear Mr. Briggs:

Thank you for the submittal of the Third and Fourth Quarter Groundwater Monitoring Reports for 1996 for the above referenced site. TPHg and BTEX concentrations in groundwater from well B-12 have not been accurately quantified because the water samples were diluted for the quantification of MTBE. In the next sampling event groundwater from this well should be analyzed for BTEX using Method 8240.

Also, please clarify if wells B-5 and B-11 are immediately adjacent to one another, or if B-5 is located at the northwest corner of the property. Site plans in various quarterly monitoring reports have shown well B-5 is both locations.

If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

c: James Keller, Blaine Tech, 1680 Rogers Ave, San Jose, CA 95112

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director.



RAFAT A. SHAHID, Director

DEPARTMENT OF ENVIRONMENTAL HEALTH  
Environmental Protection Division  
1131 Harbor Bay Parkway, #250  
Alameda, CA 94502-6577  
(510) 567-6700

StID 1236

October 4, 1995

Mr. Mark Miller  
Chevron USA  
P.O. Box 5004  
San Ramon, CA 94583-0804

**RE: Workplan Approval for Chevron Service Station #9-0290, 1802  
Webster Street, Alameda 94501**

Dear Mr. Miller:

I have completed review of Gettler-Ryan's August 1995 Well Installation report and the revised site plan to include one additional well at the above referenced site. This plan is acceptable and field work should commence within 45 days of the date of this letter. Please notify me at least 72 hours prior to the start of field activities.

I have also reviewed the 3rd Quarter 1995 Groundwater Monitoring report and approve of the following changes:

1. Discontinue sampling of wells B-7, B-8, and B-9; and
2. Sample well B-6 for TPH-D only.

If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

cc: Argy Leyton, Gettler-Ryan, 6747 Sierra Ct, Suite J, Dublin  
94568  
James Keller, Blaine Tech Services, 985 Timothy Dr,  
San Jose, CA 95133  
files



ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
80 Swan Way, Rm 200  
Oakland, CA 94621  
(510) 271-4530

StID 1236

July 7, 1995

Mr. Mark Miller  
Chevron USA  
P.O. Box 5004  
San Ramon, CA 94583-0804

RE: Site Characterization at Chevron Service Station #9-0290,  
1802 Webster Street, Alameda 94501

Dear Mr. Miller:

During a meeting in January 1995 with the RWQCB, Chevron and this agency, it was discussed whether the above referenced site would be a candidate for management as a Non-Attainment Area (NAA). Before NAA can be used, it was determined that further site characterization was required. Namely, additional monitoring wells within 10 feet and downgradient of the former underground storage tanks (USTs), existing USTs, and pump islands are required. And, an investigation should be conducted to determine whether the utility trenches along Webster Street act as conduits for the migration of contaminants.

I understand Chevron is currently developing a workplan addressing the above concerns. The workplan for this phase of investigation is due within 45 days of the date of this letter, or by August 21, 1995.

If you have any questions, please contact me at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

cc: files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

July 19, 1994

Mr. Mark Miller  
Chevron U.S.A. Products Co.  
P.O. Box 5004  
San Ramon, CA 94583-0804

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
DEPARTMENT OF ENVIRONMENTAL HEALTH  
1131 HARBOR BAY PARKWAY, 2ND FLOOR  
ALAMEDA, CA 94502-6577

STID 3565

Re: Investigations at Former Chevron Service Station #9-0290,  
located at 1802 Webster St., Alameda

Dear Mr. Miller,

Per the County's May 3, 1994 letter to your office, Chevron is required to submit a timetable for projected work at the site and well destruction permits for the recently closed wells. Per our conversation on July 18, 1994, copies of the well destruction permits and the Tank Removal Report, for the recently removed waste oil tank, will be submitted to this office **within 15 days** of the date of this letter. Per our conversation, a work plan addressing additional investigations and remediation, and incorporating the requested timetable, will be submitted to this office **within 45 days** of the date of this letter.

If you have any questions or comments, please contact me at (510) 337-2874 or (510) 337-2864. Please be aware that these phone numbers are temporary and will only be in use through the next four to five weeks.

Sincerely,

Juliet Shin  
Hazardous Materials Specialist

cc: David Elias  
Weiss Associates  
5500 Shellmound St.  
Emeryville, CA 94608-2411

**Edgar Howell-File (JS)**

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

August 17, 1994

Mr. Mark Miller  
Chevron U.S.A. Products, Co.  
P.O. Box 5004  
San Ramon, CA 94583-0804

*Alameda County CC 4580  
Health Care Services Agency  
Dept. Of Environmental Health  
1131 Harbor Bay Pkwy 2nd Flr.  
Alameda, CA 94502-6577*

STID 3565

RE: Investigations at Chevron Service Station #9-0290, located  
at 1802 Webster St., Alameda, California

Dear Mr. Miller,

This office has received your letter, dated August 2, 1994, and reviewed Touchstone's UST Removal Report, dated July 21, 1994, for the above site. Per your letter, a work plan addressing future investigations/remediation at the site will be submitted by September 30, 1994. This work plan should address the delineation of the contaminated soil observed beneath the product piping and the former 350-gallon waste oil tank. The work plan shall also address the replacement of destroyed wells A2, B3, and B4, and utility line investigations assessing the potential for the sewer main running along Webster Street to act as a conduit for plume migration.

It appears that Chevron is delinquent in submitting quarterly ground water monitoring reports for the site. The last quarterly ground water monitoring report submitted to this office was in February 1994. The next quarterly report shall be submitted within 45 days of the date of this letter.

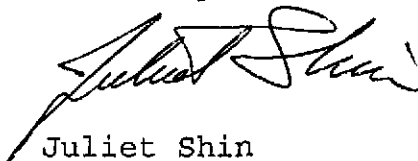
Based on the fact that TOG was identified in soil samples collected from the 1,000-gallon and 350-gallon tank pits, and a ground water sample collected from the 1,000-gallon tank pit, you will be required to include the analysis for TOG in future quarterly sampling events. Additionally, elevated levels of TPHd was identified in soil and ground water samples collected from the recent tank removals. Therefore, the analysis for TPHd should continue for Wells B1, B5, B6, B7, and B8, and should also be included for samples collected from the replacement wells for A2, B3, and B4.

Lastly, according to Touchstone's report, approximately 200 cubic yards of soil excavated from beneath the product lines and 400 to 500 cubic yards of soil from the former tank pits were hauled off site. Please submit the documentation for this soil disposal.

Mr. Mark Miller  
Re: 1802 Webster St.  
August 17, 1994  
Page 2 of 2

If you have any questions or comments, please contact me at (510)  
567-6763.

Sincerely,



Juliet Shin  
Hazardous Materials Specialist

cc: Michael Tambroni  
Touchstone Developments  
684 30th Ave.  
San Francisco, CA 94121

Edgar Howell

## 1802 Webster

- Recently conducted gaily sampling
- Will submit w.p. by Sept 30 addressing replacement of destroyed wells + future plans for site. Will address utility lines along Webster + include analysis for TOL + TPHd.
- Need documentation of soil disposal.

## Meeting w/ Mark Miller

8/29/94

- Assumption that whole site contains contaminated soil. B-9 soil samples were ND. + B-7 + B-8.  
(So maybe no further soil contamination delineation required at this time)

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

July 19, 1994

Mr. Mark Miller  
Chevron U.S.A. Products Co.  
P.O. Box 5004  
San Ramon, CA 94583-0804

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

STID 3565

Re: Investigations at Former Chevron Service Station #9-0290,  
located at 1802 Webster St., Alameda

Dear Mr. Miller,

Per the County's May 3, 1994 letter to your office, Chevron is required to submit a timetable for projected work at the site and well destruction permits for the recently closed wells. Per our conversation on July 18, 1994, copies of the well destruction permits and the Tank Removal Report, for the recently removed waste oil tank, will be submitted to this office **within 15 days** of the date of this letter. Per our conversation, a work plan addressing additional investigations and remediation, and incorporating the requested timetable, will be submitted to this office **within 45 days** of the date of this letter.

If you have any questions or comments, please contact me at (510) 337-2874 or (510) 337-2864. Please be aware that these phone numbers are temporary and will only be in use through the next four to five weeks.

Sincerely,

Juliet Shin  
Hazardous Materials Specialist

cc: David Elias  
Weiss Associates  
5500 Shellmound St.  
Emeryville, CA 94608-2411

Edgar Howell-File(JS)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY



DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

May 3, 1994

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
80 Swan Way, Rm 200  
Oakland, CA 94621  
(510) 271-4530

Mark Miller  
Chevron U.S.A. Products Co.  
P.O. Box 5004  
San Ramon, CA 94583-0804

STID 1236

Re: Chevron Service Station #9-0290, located at 1802 Webster  
St., Alameda

Dear Mr. Miller,

As stated in the County's October 14, 1993 letter to your office, there is an 8-inch sewer main that runs along the center of Webster Street. The top of this sewer main is located at about 6 feet below ground surface in the vicinity of the above site, according to the Alameda Public Works Department. According to our files, the depth to ground water at the site averages about 6 feet below ground surface in some areas of the site. Therefore, this office is concerned that this sewer main may be acting as a conduit for some of the contaminants migrating off site.

In response to the October 1993 letter, you submitted a letter, dated April 19, 1994, stating that you did not believe that the sewer line was acting as a conduit for the following reasons:

- o "The historical direction of ground water flow is parallel, not perpendicular, to the sewer line and therefore does not intercept the sewer line".
- o "Low permeability sediments underlay the site and restrict hydrocarbon migration in ground water. This is confirmed by downgradient monitor well B-5".
- o "All monitoring data gathered to date indicates that the plume is long and narrow in nature".

In response to your letter, I contacted you by phone, on April 26, 1994, and explained the following:

- o The ground water gradient varies greatly at the site, and has seldomly flowed parallel to Webster Street. During the May 14, 1993 sampling event, the ground water gradient was shown to flow towards the northwest, towards Webster Street. Additionally, the low levels of benzene being detected from Well B-7, located on the other side of Webster Street, indicates that the on-site ground water contaminant plume appears to have already migrated into Webster Street.

Mark Miller  
Re: 1802 Webster St.  
May 3, 1994  
Page 2 of 3

- o If the on-site ground water contaminant plume can migrate through the on-site "low permeability soil" to Well B-7, then it can migrate over the area of the sewer lines, creating the potential for these sewer lines to act as a conduit for the contaminant plume.

During our conversation I stipulated that you were still required to investigate the potential for plume migration through the sewer lines, through researching the details of the utility lines, such as the slope of the lines, in conjunction with the possible implementation of additional sampling.

On April 29, 1994, you called and left me a message stating that you still felt that investigations pertaining to the sewer line were not warranted. **Per Article 11, Title 23 California Code of Regulations, you are required to fully and accurately delineate the extent of the ground water contaminant plume at your site.** As part of your requirements to delineate the extent of the ground water contaminant plume, you are required to confirm whether or not contaminants are migrating north and south along Webster St. A work plan addressing these investigations are required to be submitted **within 30 days** of the date of this letter.

Additionally, you stated that some of the on-site monitoring wells were destroyed to accommodate the construction at the site. Per our conversation on April 26, 1994, I requested that you submit a timetable for scheduled work, addressing the dates you would submit a work plan addressing the installation of the replacement wells and when construction would be over to enable you to install these new wells. I also requested that you submit copies of the well destruction permits. To this date, I have not received the timetable nor copies of the permits. You are required to submit this info to this office **within 10 days** of the date of this letter.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,



Juliet Shin  
Hazardous Materials Specialist



Mark Miller  
Re: 1802 Webster St.  
May 3, 1994  
Page 3 of 3

cc: Tim Watchers  
Ground Water Technology  
4057 Port Chicago Hwy.  
Concord, CA 94520

Gil Jensen, Alameda County District Attorney's Office

Edgar Howell-File(JS)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

October 14, 1993

Mark Miller  
Chevron U.S.A. Products Co.  
P.O. Box 5004  
San Ramon, CA 94583-0804

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
80 Swan Way, Rm 200  
Oakland, CA 94621  
(510) 271-4530

STID 1236

Re: Chevron Service Station #9-0290, located at 1802 Webster St.,  
Alameda, California

Dear Mr. Miller,

It has recently come to our attention that an 8" sewer main runs along the center of Webster Street. The top of this sewer main is located at about 6 feet below ground surface in the vicinity of the above site, according to the Alameda Public Works Dept. According to our files, the depth to ground water at the site averages about 6 feet below ground surface in some areas of the site. Therefore, this office is concerned that this sewer main may be acting as a conduit for some of the contaminants migrating off the site.

You are required to confirm whether this sewer main is or isn't providing a conduit for the migration of the ground water contaminant plume, in order to adequately address the delineation of ground water contamination resulting from the site.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

Juliet Shin  
Hazardous Materials Specialist

cc: Tim Watchers  
Ground water Technology, Inc.  
4057 Port Chicago Hwy.  
Concord, CA 94520

Edgar Howell-File(JS)



# FACSIMILE MESSAGE

CHEVRON U.S.A. PRODUCTS COMPANY  
Northwest Region  
Marketing Department SR-2410 Camino Ramon

Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804  
(Street Address: 2410 Camino Ramon)

Reply by Facsimile: (510) 842-8252

Date: SEPTEMBER 1, 1993

To: JULIET SHIN Fax Number: 569-4757  
ACHCS

From: Mark A. Miller Phone No.: (510) 842-8134  
Site Assessment and Remediation Engineer

Subject: SITES FOR DISCUSSION @ 9/22 MTNG. @ 9:00

Comments: JULIET... I'VE LISTED THE SITES WE'RE  
WORKING ON BELOW WHICH I'D LIKE TO GO  
OVER IN OUR MEETING.

- CHEVRON SS# 9-0504 15900 HESPERIAN BLVD., SAN LORENZO
  - CHEVRON SS# 9-2394 15526 HESPERIAN BLVD., SAN LORENZO
  - CHEVRON SS# 9-3676 4300 MACARTHUR BLVD., OAKLAND
  - CHEVRON SS# 9-1153 3126 FERNSIDE, ALAMEDA
  - CHEVRON SS# 9-0100 2428 CENTRAL AVE., ALAMEDA
  - CHEVRON SS# 9-0290 1802 WEBSTER, ALAMEDA
  - CHEVRON SS# 9-2258 5900 COLLEGE AVE., OAKLAND
  - CHEVRON SS# 9-0191 900 OTIS DRIVE, ALAMEDA
- NUMBER OF PAGES INCLUDING COVER SHEET 4

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING  
 BP OIL COMPANY SERVICE STATION NO. 11104  
 1716 WEBSTER STREET, ALAMEDA, CALIFORNIA

ALISTO PROJECT NO. 10-155

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	LAB
MW-1	07/21/92	8.51	5.91	2.60	34000	7000	1700	2500	6900	--
MW-1	10/20/92	8.51	6.66	1.85	--	--	--	--	--	--
MW-1	03/05/93	8.51	4.56	3.95	--	--	--	--	--	--
MW-1	04/01/93	8.51	4.57	3.94	--	--	--	--	--	--
MW-1	07/09/93	8.51	5.25	3.26	77000	15000	1400	2100	7400	PACE
QC-1 (c)	07/09/93	8.51	--	--	79000	16000	1500	2200	7700	PACE
MW-2	07/21/92	9.41	6.44	2.97	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--
MW-2	10/20/92	9.41	7.39	2.02	--	--	--	--	--	--
MW-2	03/05/93	9.41	4.91	4.50	--	--	--	--	--	--
MW-2	04/01/93	9.41	4.92	4.49	--	--	--	--	--	--
MW-2	07/09/93	9.41	5.60	3.81	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
MW-3 (d)	07/21/92	9.91	7.07	2.84	ND<50	0.95	ND<0.5	ND<0.5	ND<0.5	--
MW-3	10/20/92	9.91	8.06	1.85	--	--	--	--	--	--
MW-3	03/05/93	9.91	5.18	4.75	--	--	--	--	--	--
MW-3	04/01/93	9.91	5.25	4.66	--	--	--	--	--	--
MW-3	07/09/93	9.91	5.80	4.11	ND<50	0.6	ND<0.5	ND<0.5	ND<0.5	PACE
MW-4	03/05/93	8.33	4.81	3.52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--
MW-4	04/01/93	8.33	4.80	3.53	--	--	--	--	--	--
MW-4	07/09/93	8.33	5.54	2.79	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
MW-5	04/01/93	8.17	4.77	3.40	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--
MW-5	07/09/93	8.17	5.40	2.77	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
QC-2 (e)	07/09/93	--	--	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE

ABBREVIATIONS:

TPH-G Total petroleum hydrocarbons as gasoline  
 B Benzene  
 T Toluene  
 E Ethylbenzene  
 X Total xylenes  
 ppb Parts per billion  
 -- Not analyzed/available/measured  
 ND Not detected above reported detection limit  
 PACE Pace, Inc.

NOTES:

- (a) Top of casing elevations surveyed in reference to USGS Mon. (7.68 feet above mean sea level) at northwest corner of Webster Street and Buena Vista Avenue.
- (b) Groundwater elevations in feet above mean sea level.
- (c) Blind duplicate.
- (d) Sample also analyzed for cadmium, nickel, chromium, lead, and zinc. None were detected above the reported detection limit.
- (e) Travel blank.

### Leaking Underground Fuel Storage Tank Program

During 1986, 1987, 1988, and 1989, it is reported that monthly visual and semi-annual ground water analyses were performed. Periodic low level (ppb range) TPH-G/D and BEX compounds were discovered during these routine monitoring activities. No sheen, FP, or odor are reported.

The subject tanks, associated piping/dispensers, and monitoring well were removed during UST closure activities occurring 12/8/89. No visual signs of contamination or leakage was noted in consultant's report. No holes are reported to have been observed in tanks/piping. Ground water was encountered (or stabilized) at approximately 11' BG. Tank backfill extended to approximately 10' BG. Four (4) soil samples were collected at approximately 11' BG, two (2) from below each tank. A single ~~water~~ sample was collected from below each dispenser. None of the soil samples from within the UST pits exhibited the presence of target compounds above method detection limits.

Trace concentrations of fuel compounds were only detected in soil samples collected from below the two dispensers: TPH-G was found at 38 ppm; benzene, "ND"; toluene, 9 ppm; ethylbenzene, "ND"; total xylenes, 23 ppm. The sole water sample was analyzed for BTEX with the following results: benzene, "ND"; toluene, 0.0005 ppm; ethylbenzene, 0.0012 ppm; total xylenes, 0.0057 ppm.

The excavated soil was reportedly aerated, removed, and disposed from the property during late April 1990. The disposal site is unknown as of this writing.

No additional soil or water investigation has occurred at this site since the USTs were closed. The data suggest that the tanks/piping did not leak, but rather, there may have been some, or even a single, overspillage event(s) during product delivery over the life of the tanks. This may account for the trace levels of contaminants found in GW, and the absence of contaminants in soil collected below the USTs, or any other visual or olfactory evidence of a release.

FOR STORE

CHEVRON  
STATION

APARTMENTS

BUENA VISTA AVENUE

MW-4  
ND<50  
ND<0.5|ND<0.5  
ND<0.5|ND<0.5

MW-5  
ND<50  
ND<0.5|ND<0.5  
ND<0.5|ND<0.5

MW-1  
77000  
15000 | 1400  
2100 | 7400

UNDERGROUND  
FUEL TANKS

DISPENSER  
ISLANDS

SERVICE  
STATION  
BUILDING

HOUSE

HOUSE

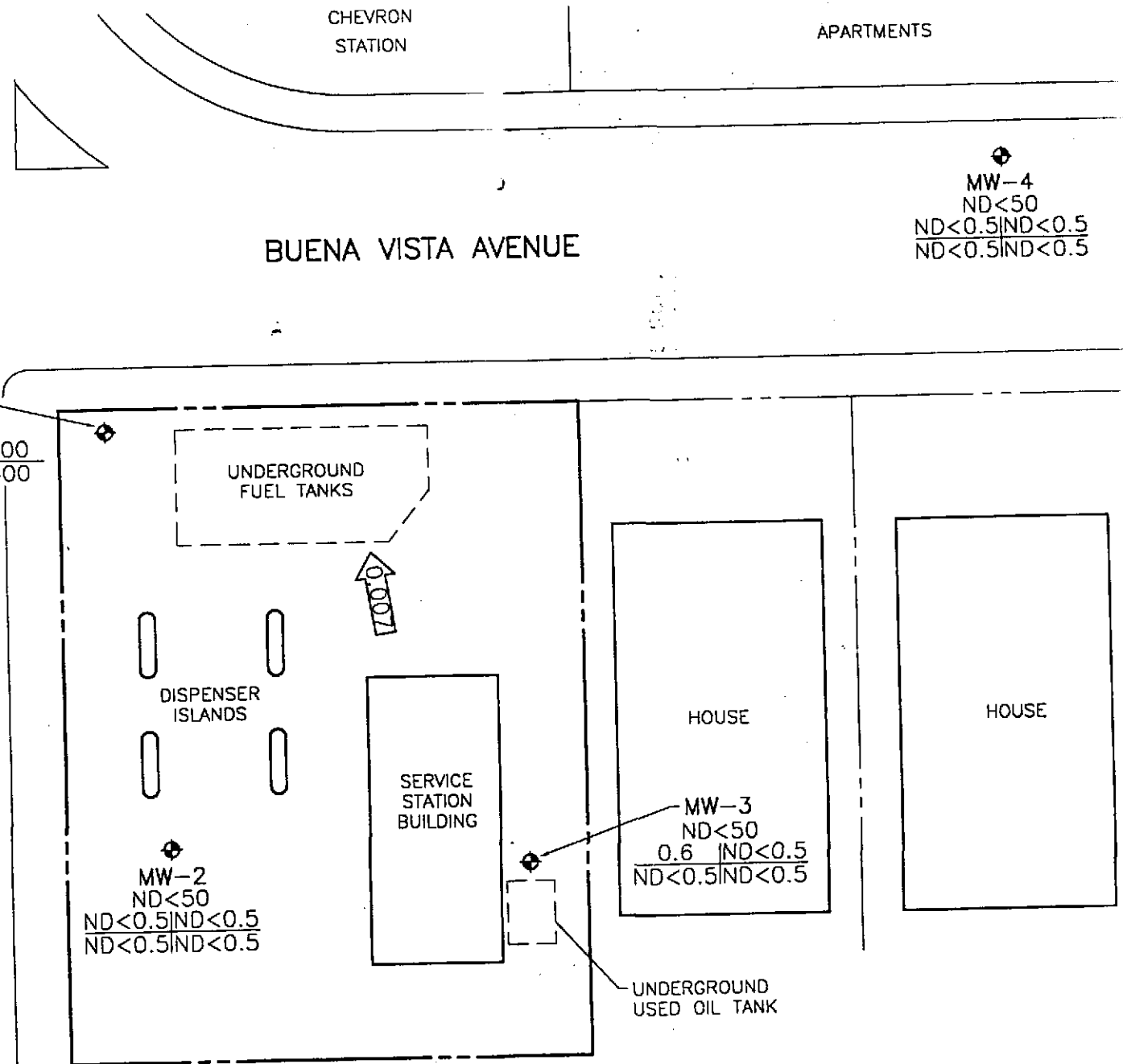
MW-3  
ND<50  
0.6 | ND<0.5  
ND<0.5|ND<0.5

MW-2  
ND<50  
ND<0.5|ND<0.5  
ND<0.5|ND<0.5

UNDERGROUND  
USED OIL TANK

WEBSTER STREET

LUCKY FRIED  
CHICKEN



ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
80 Swan Way, Rm 200  
Oakland, CA 94621  
(510) 271-4530

August 7, 1992

Ms. Nancy Vukelich  
Chevron U.S.A. Products Co.  
P.O. Box 5004  
San Ramon, CA 94583-0804

STID 1236

RE: Work Plan for Soil and Ground Water Assessment for Chevron Service Station #9-0290, located at 1802 Webster Street, Alameda, California

Dear Ms. Vukelich,

This office has reviewed the work plan, dated June 17, 1992, for the installation of three additional monitoring wells at the above site. The work plan is acceptable to this office.

Please be aware that after the installation of the monitoring wells, you are required to survey all three wells to an accuracy of 0.01 foot.

Field work should commence within 60 days of the receipt of this letter. Please be reminded that a report documenting the results from work performed is due to this office within 45 days of completion of field activities. Quarterly monitoring and reporting is to be continued for all the monitoring wells.

If you have any questions or comments, please contact Ms. Juliet Shin at (510) 271-4530.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Scott O. Seery'.

for Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Mr. Eddy So, RWQCB

Mr. Robert La Grone, Alameda Fire Dept.

Mr. Gregory A. Mischel  
Groundwater Technology, Inc.  
4057 Port Chicago Highway  
Concord, CA 94520

Edgar Howell-File (JS)

DATE 9/22/92CONTACT LOG

FROM: Nancy Ubelich (<sup>Returned</sup> <sub>my call</sub>) AFFILIATION: CHEVRON  
 TITLE: \_\_\_\_\_ PHONE: (510) 842-9581  
 TO: Juliet Stein AFFILIATION: Alameda County  
 TITLE: Plas. Mat. Spec. PHONE: (510) 271-4320  
 RE: STID 1236 - Site located at 1802 Webster St. in Alameda, Calif.

According to Ms. Ubelich, the on-site monitoring wells were surveyed to the top of the Christy Box.

Wells <sup>backfill wells</sup> A1, A2, and B3 used to be manually pumped for product on a weekly basis. Then they switched to bi-weekly, and now they only pump these wells on a monthly basis, as of Feb. 1992. Chevron recently collected a sample of the product pumped from these wells. Chevron is waiting for the lab analysis results. If these samples detect more of a gasoline pattern than a diesel pattern, then the contamination is probably the result of the past Supreme tank leak in 1982, rather than the overflow of product (diesel) into the tank.

Chevron is currently having the consultants create a potentiometric map of the site. Once this is

done, Ms. Ubelich stated that she would have her consultants install additional monitoring wells to delineate the contamination zone at the site.

According to Ms. Ubelich she should get a potentiometric map from her consultants in the next week. →



Mr. Ushlich stated that potential  
map for the site is due to Chevron in about 4/22/92  
the first week of June. After receiving  
this information, Mr. Ushlich will have  
the consultants begin preparing a work plan for  
the installation of additional wells.

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

AGENCY # : 10000      SOURCE OF FUNDS: F      SUBSTANCE:  
StID : 1236  
SITE NAME: Chevron Sta. #9-0290      DATE REPORTED : 09/19/91  
ADDRESS : 1802 Webster St.      DATE CONFIRMED: 09/19/91  
CITY/ZIP : Alameda 94501      MULTIPLE RPs : N

SITE STATUS  
-----

CASE TYPE: G	CONTRACT STATUS: 3	EMERGENCY RESP:
RP SEARCH: S		DATE COMPLETED:
PRELIMINARY ASMNT: U	DATE UNDERWAY: 01/02/92	DATE COMPLETED:
REM INVESTIGATION:	DATE UNDERWAY:	DATE COMPLETED:
REMEDIAL ACTION:	DATE UNDERWAY:	DATE COMPLETED:
POST REMED ACT MON:	DATE UNDERWAY:	DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1      DATE ENFORCEMENT ACTION TAKEN: 02/21/92  
LUFT FIELD MANUAL CONSID: 2,3HSCAW  
CASE CLOSED:      DATE CASE CLOSED:  
DATE EXCAVATION STARTED :      REMEDIAL ACTIONS TAKEN:

RESPONSIBLE PARTY INFORMATION  
-----

RP#1-CONTACT NAME:  
COMPANY NAME:  
ADDRESS:  
CITY/STATE:

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# Request for Environmental Analysis and Chain of Custody

Chevron U.S.A. Inc.

To E. A. Harvey Chevron Research & Technology Company, Environmental Analysis Lab, Room 54-1114 100 Chevron Way, Richmond, CA 94802 (Phone: 415-620-4993)		Date 1/6/92		
Requestor (Chevron) NANCY VUKELICH		Phone 842-9581		
Company, Department CHEVRON USA, INC. ENVIRONMENTAL		Charge Code 3-465R-60090290		
Address P O Box 5004 SAN RAMON CA 94583				
Sampler PACIFIC ENVIRONMENTAL GROUP, INC.		Phone 825-0855		
Company, Address 620 Contra Costa Blvd, Ste 209 Pleasant Hill, CA 94523				
Sampling Location (Address) 1802 Webster Street, ALAMEDA CA				
<input checked="" type="checkbox"/> Service Station <input type="checkbox"/> Fuel Terminal <input type="checkbox"/> Marine Terminal <input type="checkbox"/> Pipeline <input type="checkbox"/> Refinery <input type="checkbox"/> Other _____				
<input checked="" type="checkbox"/> Chevron <input type="checkbox"/> Gulf <input type="checkbox"/> BP <input type="checkbox"/> Cumberland Farms <input type="checkbox"/> Other _____				
Type of Analysis Desired <input checked="" type="checkbox"/> Identify Product <input type="checkbox"/> Compare Spill with Potential Sources (Send Source Samples) <input type="checkbox"/> TPH <input type="checkbox"/> Compare Samples with Previous Analyses. Log Numbers and/or Dates: _____ <input type="checkbox"/> EPA Method(s) _____ (Call 415-620-4993 for Approval) <input type="checkbox"/> Other _____				
Reason for Request (Clearly State Problem, Site History, Draw or Enclose a Map) Discrepancy in amount of product recovered from a recent accidental dispensing of Diesel into a tank pit backfill well. May have uncovered a preexisting problem from a leak of Supreme discovered in 1982				
Sample Number	Number of Containers Per Sample	Sample Name/Description	Date Sampled	Sampled By
Transporter		Date Received	Initials	
Laboratory Chevron Research		Date Received	Initials	
Minimum Sample: See Reverse Side				
<b>It is the shipper's responsibility to insure federal D.O.T. regulations are complied with. Consultation with a Chevron Regional Transport Specialist is MANDATORY prior to air shipment. Contact your Chevron Representative or call the Hazmat Help Line (415) 894-3481 for assistance.</b> <b>When in doubt, assume the sample is flammable.</b>				

**OSHA HAZARD WARNING ON REVERSE SIDE**

Minimum Sample Requirements:

A. **Hydrocarbons:** Three 40 ml clear glass vials with solid teflon-coated caps.

Vendor:

Supelco (800-247-6628)	40 ml clear Screw Cap Vials with Solid Caps Pk of 74	Catalog #2-3298M
---------------------------	---	------------------

B. **Water samples for extractable hydrocarbons, TPH and Oil and Grease:** Two 1000 ml clear glass bottles with teflon-lined caps.

Vendors:

I-Chem (800-553-3696)	1L bottles Protocol A prewashed	
Eagle-Picher (800-331-7425)	12-1L clear EPA washing treated	#112-01C

C. **Water samples for Furgeable Aromatics:** Three 40 ml clear glass vials with hole caps and silicon septa, teflon side facing sample.

Vendor:

Wheaton (800-226-1437)	vial and cap 6-pack	} Prcleaned per EPA 40 CFR 136	#225330
	vial and cap 12-pack		#225332
I-Chem (800 553 3696)	40 ml bottles Protocol A prewashed		
Eagle-Picher (800-331-7425)	72- 40 ml clear cleaning procedure B QA level 1 or 2		#140-40C

D. **Soil samples:** Two 8 ounce wide mouth clear glass jars with teflon-lined caps.

Vendor:

I-Chem (800-553-3696)	8 oz wide mouth bottles Protocol A prewashed	
Eagle-Picher (800-331-7425)	12 8 oz wide mouth clear jars Cleaning procedure A QA level 1 or 2	#121 08A

**Shipping Instructions:** Please ship all water samples in an ice chest with blue ice. Hydrocarbon samples need not be iced. Teflon cap liners are imperative. It is advisable to send the samples by Next Day Air. No weekend deliveries, please.

Fuel Product Hazard Warnings (See Chevron MSDS for Additional Information)		
Gasoline (All Grades) Jet Fuel B Jet Fuel Gasoline Grade Aviation Gasoline (A1 Grades)	<b>Danger</b>	Extremely flammable. Harmful or fatal if swallowed. Prolonged or repeated contact may cause skin/eye and respiratory irritation or other injury.
Diesel (All Grades) Heating Fuel/Oil (All Grades) Jet Fuel (Grades A, A-1, A-50, JP-4, JP-5) Aviation Turbine Fuel, JP 5	<b>Danger</b>	Combustible. Harmful or fatal if swallowed. Prolonged or repeated contact may cause skin/respiratory irritation or other injury.
<b>For Health and Safety Information Call or Write Chevron Environmental Health Center P.O. Box 4054, Richmond, CA 94804, (800) 457-2022 In case of leak, spill or fire, call CHEMTREC Toll Free (800) 424-9300</b>		

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

EMERGENCY <input type="checkbox"/> YES <input type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input type="checkbox"/> NO		<b>FOR LOCAL AGENCY USE ONLY</b> I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.	
REPORT DATE M    M    D    D    Y    Y		CASE #			
				SIGNED _____	
				DATE _____	

<b>REPORTED BY</b>	NAME OF INDIVIDUAL FILING REPORT _____		PHONE _____	SIGNATURE _____	
	REPRESENTING <input type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD		COMPANY OR AGENCY NAME _____		
	<input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER _____				
ADDRESS _____ STREET _____ CITY _____ STATE _____ ZIP _____					

<b>RESPONSIBLE PARTY</b>	NAME _____		CONTACT PERSON _____		PHONE _____ ( )
	<input type="checkbox"/> UNKNOWN				
ADDRESS _____ STREET _____ CITY _____ STATE _____ ZIP _____					

<b>SITE LOCATION</b>	FACILITY NAME (IF APPLICABLE) _____		OPERATOR _____		PHONE _____ ( )
	ADDRESS _____ STREET _____ CITY _____ COUNTY _____ ZIP _____				
	CROSS STREET _____				

<b>IMPLEMENTING AGENCIES</b>	LOCAL AGENCY    AGENCY NAME _____		CONTACT PERSON _____		PHONE _____ ( )
	REGIONAL BOARD _____		PHONE _____ ( )		

<b>SUBSTANCES INVOLVED</b>	(1) NAME _____	QUANTITY LOST (GALLONS) _____ <input type="checkbox"/> UNKNOWN
	(2) _____	_____ <input type="checkbox"/> UNKNOWN

<b>DISCOVERY/ABATEMENT</b>	DATE DISCOVERED M    M    D    D    Y    Y		HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS		
	<input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER _____				
	DATE DISCHARGE BEGAN M    M    D    D    Y    Y <input type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)		
HAS DISCHARGE BEEN STOPPED? <input type="checkbox"/> YES <input type="checkbox"/> NO    IF YES, DATE M    M    D    D    Y    Y		<input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING			
		<input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE			
		<input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER _____			

<b>SOURCE/ CAUSE</b>	SOURCE OF DISCHARGE		CAUSE(S)		
	<input type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN	<input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER _____	<input type="checkbox"/> OVERFILL <input type="checkbox"/> CORROSION	<input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> UNKNOWN	<input type="checkbox"/> SPILL <input type="checkbox"/> OTHER _____

<b>CASE TYPE</b>	CHECK ONE ONLY				
	<input type="checkbox"/> UNDETERMINED	<input type="checkbox"/> SOIL ONLY	<input type="checkbox"/> GROUNDWATER	<input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)	

<b>CURRENT STATUS</b>	CHECK ONE ONLY					
	<input type="checkbox"/> NO ACTION TAKEN	<input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED	<input type="checkbox"/> POLLUTION CHARACTERIZATION			
	<input type="checkbox"/> LEAK BEING CONFIRMED	<input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY	<input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS			
	<input type="checkbox"/> REMEDIATION PLAN	<input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY)		<input type="checkbox"/> CLEANUP UNDERWAY		

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

<b>COMMENTS</b>					

## INSTRUCTIONS

### EMERGENCY

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

### LOCAL AGENCY ONLY

To avoid duplicate notification pursuant to Health and Safety code Section 25180.5, a government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

### REPORTED BY

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

### RESPONSIBLE PARTY

Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

### SITE LOCATION

Enter information regarding the tank facility. At a minimum, you must provide the facility name and full address.

### IMPLEMENTING AGENCIES

Enter names of the local agency and Regional Water Quality Control Board involved.

### SUBSTANCES INVOLVED

Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

### DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

### SOURCE/CAUSE

Indicate source(s) of leak. Check box(es) indicating cause of leak.

### CASE TYPE

Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

### CURRENT STATUS

Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil. Descriptions of options follow:

No Action Taken - No action has been taken by responsible party beyond initial report of leak.

Leak Being Confirmed - Leak suspected at site, but has not been confirmed.

Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.

Preliminary Site Assessment Underway - implementation of workplan.

Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.

Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.

Cleanup Underway - implementation of remediation plan.

Post Cleanup Monitoring in Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.

Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

### REMEDIAL ACTION

Indicate which action have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.

Containment Barrier - install vertical dike to block horizontal movement of contaminant.

Excavate and Dispose - remove contaminated soil and dispose in approved site.

Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).

Remove Free Product - remove floating product from water table.

Pump and Treat Groundwater - generally employed to remove dissolved contaminants.

Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.

Replace Supply - provide alternative water supply to affected parties.

Treatment at Hookup - install water treatment devices at each dwelling or other place of use.

Vacuum Extract - use pumps or blowers to draw air through soil.

Vent Soil - bore holes in soil to allow volatilization of contaminants.

No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

### DISTRIBUTION

If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies intact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designees to receive Proposition 65 notifications.
5. Owner/responsible party.



**Chevron U.S.A. Inc.**

2410 Camino Ramon, San Ramon, California • Phone (510) 842-9500  
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

Marketing Department

92 JAN - 3 11 32  
January 5, 1992

Ms. Pamela Evans  
Alameda County Health Care Services  
80 Swan Way, Room 200  
Oakland, CA 94621

**Re: Chevron Service Station #9-0290  
1802 Webster Street, Alameda**

Dear Ms. Evans:

Enclosed we are forwarding the results of the ground water monitoring and weekly separate-phase hydrocarbon removal report dated January 2, 1992, prepared by our consultant Pacific Environmental Group, Inc. (PEG) for the above referenced site. As noted in the Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report submitted to you in September, 1991, approximately 1,400 gallons of diesel fuel was inadvertently pumped into a tank pit backfill well. During annual tank testing of the waste oil tank, tank pit backfill well A-1 located adjacent to the waste oil tank was mistaken for the waste oil tank riser and the diesel fuel was accidentally dispensed into the well riser. It was immediately discovered and the vacuuming out of the product from this well commenced. The estimated volume of material removed was approximately 1,600 gallons.

Four (4) ground water monitor wells and two (2) tank pit backfill wells were observed to exist on site. In a review of the files, it was noted that six (6) ground water monitor wells were installed in 1982 in response to an apparent fuel leak from an underground storage tank (Copies of reports enclosed for your file). The tank system was removed and replaced in 1982. A gauge stick hole was observed in the supreme unleaded tank during removal. A new diesel tank was also installed for the marketing of diesel fuel and the new waste oil tank was installed within the same tank complex as the product tanks. During the tank replacement activity, monitor well B-2 was removed to allow for the placement of the new tanks and monitor well B-1 was apparently paved over. Two (2) additional wells were installed within the new tank complex to monitor the backfill. Based on these findings, PEG was instructed to examine the existing wells to assess their integrity. The wells appeared to be in good condition and samples were collected. In addition, PEG was instructed to implement a weekly monitoring schedule to examine all the monitor wells for the presence of separate-phase hydrocarbons.

As indicated in the report, ground water samples were collected on September 20, 1991, and were analyzed for total petroleum hydrocarbons as gasoline (TPH-G), total petroleum hydrocarbons as diesel (TPH-D), BTEX and total oil & grease (TOG). Benzene was detected in monitor well B-4 and tank pit backfill well A-2 only at concentrations of 710 and 860 ppb, respectively. TPH-D was detected in monitor well B-4 and tank pit backfill well A-2 at concentrations of 1,400 and 5,100 ppb, respectively. However the laboratory has indicated that the chromatograph pattern was typical of gasoline and is not necessarily indicative of a diesel source. There was a laboratory error and monitor well B-6 was not analyzed for TPH-D. However, all subsequent sampling events of this well will include this analysis. TOG was not detected in any of the monitor wells, therefore, subsequent sampling events will not include this analysis.

Page 2  
January 5, 1992  
#9-0290 - Alameda

Since the initial sampling of the monitor wells, separate-phase hydrocarbons have consistently been observed in tank pit backfill wells A-1 and A-2 with measured thicknesses ranging from .05 to .65 feet in A-1 and .09 to .24 feet in A-2. To date, approximately 1,888 gallons of material has been recovered since the implementation of the bailing program in September, 1991. Depth to ground water was measured at approximately 5.5 to 7.5-feet below grade, and the direction of ground water flow is to the east.

Based on these findings, PEG has been instructed to collect a sample of the separate-phase material for submittal to Chevron's laboratory for identification of the product. This is being performed due to the discrepancy in amount of product recovered versus the amount of product that was accidentally dispensed into the well. It is surmised that we may have uncovered a preexisting problem from the initial leak discovered in 1982. The identification will allow us to assess if all of the diesel that was inadvertently dispensed into the backfill well has been recovered and possibly support this theory. In addition, we will sample this site two (2) additional rounds to confirm ground water flow direction. At that time, we will evaluate the data for appropriate next actions with respect to additional installation of wells and appropriate corrective actions.

Chevron will continue to examine all monitor wells for the presence of separate-phase hydrocarbons on a weekly basis and perform quarterly chemical analysis. Monitor wells which exhibit separate-phase hydrocarbons will be bailed during this inspection.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-9581.

Very truly yours,  
CHEVRON U.S.A. INC.

  
Nancy Vukelich  
Environmental Engineer

Enclosure

cc: Mr. Eddy So, RWQCB-Bay Area  
Ms. S. A. Willer  
File (9-0290Q1)



✓bcc: Mr. Jerry Mitchell  
Pacific Environmental Group, Inc.  
620 Contra Costa Blvd., Suite 209  
Pleasant Hill, CA 94523

} For your information. Please discontinue analyzing  
} all monitor wells for total oil & grease. Also, en-  
} closed is the Chain of Custody (COC) for submittal  
} of the free product sample to Chevron Richmond  
} Laboratory for product identification. The next  
} quarterly report is due no later than mid 2/92.  
} Please assure monitor well B-6 is analyzed for  
} TPH-Diesel all sampling events. Did you question  
} Superior why they did not analyze this well for  
} TPH-Diesel? The COC indicated this analysis.  
Please advise. Thank you.