

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



F

July 27, 2007

Mr. Satya Sinha  
Chevron Environmental Management Company  
6001 Bollinger Canyon Rd., Room K2256  
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. Sinha:

Subject: Fuel Leak Case RO0000284 & Global ID T0600100328 , Chevron Station  
9-0121, 3026 Lakeshore Avenue, Oakland, CA 94610

Alameda County Environmental Health (ACEH) staff has recently reviewed the case file for the subject site including the July 11 and 24, 2007 groundwater sampling reports. The July 24, 2007 report provides the analytical results from the sampling of water from the basement sump in an adjacent property. The location of this sump was not noted on the figure within this report. Please indicate this location in future figures. This groundwater sample detected 1300 ppb TPHg, 830 ppb TPHd, low levels of BTEX, 28 ppm MTBE, 130 ppb ethanol and 12 ppb TBA. Based upon these results, it appears the plastic liner placed along the down-gradient property boundary is not preventing groundwater migration. It also does not appear to be redirecting groundwater flow. We previously requested that you consider recommending on-site remediation. We also requested you locate and properly decommission off-site well MW-7. We have not heard any response to these requests. Please address the following technical comments and submit the technical report requested below.

#### TECHNICAL COMMENTS

1. Off-site Building Impacts- Our office believes the presence of petroleum contaminated water in the neighboring building sump should be prevented by initiating on-site remediation at your site. Please provide options and your recommendation for remediation. Please verify that the current UST system is currently in compliance by contacting the OFD and reviewing the latest inspection reports for these USTs. Please submit these reports as requested below.
2. MW-7 Status- Monitoring well MW-7 has either been unable to be located or paved over for a long period of time. We request that you locate and properly decommission this well as it has and does not add any additional information or understanding to the site. Please indicate when this well will be decommissioned.

#### TECHNICAL REPORT REQUEST

Please submit the following reports according to the following schedule:

- August 31, 2007- Report on On-site Remediation Actions, Inspection Reports for USTs and Schedule for Decommissioning of MW-7.

### 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. Please do not submit reports as attachments to electronic mail.

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

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

Mr. Satya Sinha  
Chevron 9-0121, 3026 Lakeshore Ave.  
Page 3 of 3

UNDERGROUND STORAGE TANK CLEANUP FUND

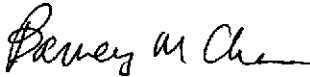
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

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) 567-6765.

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

cc: files, D. Drogos  
Mr. Robert Foss, Cambria, 5900 Hollis St., Suite A, Emeryville, CA 94608

7\_27\_07 3026 Lakeshore Ave

ALAMEDA COUNTY  
HEALTH CARE SERVICES



7

AGENCY

DAVID J. KEARS, Agency Director

August  
Be  
~~October~~ 1, 2006

Mr. Satya Sinha  
Chevron Environmental Management Company  
6001 Bollinger Canyon Rd., Room K2256  
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. Sinha:

Subject: Fuel Leak Case [REDACTED], Chevron Station 9-0121, 3026 Lakeshore  
Avenue, Oakland, CA

Alameda County Environmental Health (ACEH) staff has recently reviewed the case file for the subject site including the June 1, 2006 Subsurface Investigation Work Plan prepared by Cambria. The objective of the investigation is to determine the extent of petroleum hydrocarbons in soil and groundwater by advancing four soil borings to the northwest of the site. We request that you address the following technical comments when performing this work and submit the technical report requested below.

#### TECHNICAL COMMENTS

1. Off-site Building Impacts- Our office still has concerns regarding exposure of petroleum hydrocarbons to the neighboring building given the presence of a basement. Not much is known about the plastic vapor barrier installed along the site and the adjacent property boundary. Therefore, we request that Chevron continue to inspect/monitor the basement of the adjacent property on a semi-annual basis. Both liquid and soil vapors should be sampled and analyzed for petroleum hydrocarbons, if present. Please include the results of this inspection in your monitoring reports with a recommendation for on-site remediation if necessary.
2. MW-7 Status- Monitoring well MW-7 has either been unable to be located or paved over for a long period of time. We request that you locate and properly decommission this well as it has and does not add any additional information or understanding to the site.
3. Vertical Extent of Contamination- We request that you extend the proposed borings to at least 20' bgs to determine if high permeable lens are continuous beneath the nearby properties. If a deep permeable lens exists, we request that you sample groundwater and analyze for the same constituents as for the other samples. Soil samples should be screened at five foot intervals and analyzed if PID results indicate contamination.
4. Analytes- Please add the other oxygenates, TAME, ETBE, DIPE, TBA and EDB and EDC to the proposed list of analytes.

#### TECHNICAL REPORT REQUEST

Please submit your soil and groundwater report 60 days after completion of field activities.

### ELECTRONIC SUBMITTAL OF REPORTS

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

### PERJURY STATEMENT

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### PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

Mr. Satya Sinha  
Chevron 9-0121, 3026 Lakeshore Ave.  
Page 3 of 3

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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If you have any questions, please call me at (510) 567-6765.

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

cc: files, D. Drogos  
Mr. Robert Foss, Cambria, 5900 Hollis St., Suite A, Emeryville, CA 94608

8\_1\_06 3026 Lakeshore Ave

C A M B R I A

February 25, 2005

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

RE: 3026 Lakeshore Ave, Oakland  
ACHSCA RO#: 0000284

Dear Mr. Chan:



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 #: 90121

## Chan, Barney, Env. Health

---

**From:** Owen, Sarah [sowen@cambria-env.com]  
**Sent:** Tuesday, February 01, 2005 6:11 PM *Ro 284*  
**To:** Chan, Barney, Env. Health  
**Cc:** 'Foss, Bob (Robert)'; 'Inglis, John M [Contractor]'  
**Subject:** RO# 0000284 (9-0121 3026 Lakeshore Ave. Oakland)

**Attachments:** Yahoo! Maps - Oakland, CA 94610-3615.gif



Yahoo! Maps  
Oakland, CA 94610-3615

Dear Barney,

When we discussed this site at our December 16th meeting, you'd mentioned your concern that the plume might be impacting the lake because the site was so close to Lake Merritt. The site plan that you see in the Gettler-Ryan quarterly monitoring reports shows the site as being approximately 100 feet away from the lake. I'm sending you this e-mail to clarify that this site is further away than you think. This yahoo map shows the site as being approximately 600 feet away from Lake Merritt. I also checked the USGS Oakland East Quadrangle, California 7.5 Minute Series Topographic Map (photo-revised 1980) and it confirms this distance.

We will be sending you an updated Work Plan this year to delineate the hydrocarbon/oxygenate plume near the residences and the lake. But I wanted to take this opportunity to put your mind at ease a little bit with regards to the increased distance, and therefore lessened threat, to Lake Merritt.

Sarah Owen  
Senior Staff Geologist  
Cambria Environmental Technology, Inc.  
(510) 420-3350



Ro - 284

**Chu, Eva, Env. Health**

**From:** David Herzog [dherzog@grinc.com]  
**Sent:** Tuesday, May 28, 2002 10:24 AM  
**To:** Chu, Eva, Env. Health  
**Cc:** Greg Gurr; Geoffrey Risse  
**Subject:** RE: Chevron 9-0121 at 3026 Lakeshore Ave, Oakland

Eva:

We are still waiting for permits to do the work. Geoff Risse is the project geologist for this site, if he has additional information of the status of the permits I will have him contact you and give you a better update on the implementation of the work plan.

David Herzog

> -----Original Message-----

> From: Chu, Eva, Env. Health [mailto:EChu@co.alameda.ca.us]  
> Sent: Tuesday, May 28, 2002 9:42 AM  
> To: Herzog David (E-mail)  
> Subject: FW: Chevron 9-0121 at 3026 Lakeshore Ave, Oakland

>  
>  
> The referenced site is Chevron 9-0121. eva

> > -----Original Message-----

> > From: Chu, Eva, Env. Health  
> > Sent: Tuesday, May 28, 2002 9:41 AM  
> > To: Herzog David (E-mail)  
> > Subject:

> >  
> > Hi David,

> > Please provide an update on the implementation of workplan approved in  
> > December 2001 for the installation of additional well and advancement of  
> > soil borings, etc. Back in February 2002, you were getting appropriate  
> > permits.

> > Thanks for any additional information.

> > eva chu  
> > Hazardous Materials Specialist  
> > 1131 Harbor Bay Parkway  
> > (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

RO0000284

December 6, 2001

Mr. Tom Bauhs  
Chevron Products  
P.O. Box 6004  
San Ramon, CA 95627

**RE: Work Plan Approval for Chevron 9-0121 at 3026 Lakeshore Ave., Oakland, CA**

Dear Mr. Bauhs:

I have completed review of Delta Environmental Consultant's, Inc.'s December 2001 *Work Plan for Additional Subsurface Investigation* report prepared for the above referenced site. The proposal to install two additional groundwater monitoring wells southeast of the site, to advance three hand-augured soil borings adjacent to surrounding sanitary sewer and storm drain lines, and to collect water samples from the basement sump at 3014 Lakeshore Avenue is acceptable. This investigation will help to delineate the extent of dissolved petroleum hydrocarbons and MTBE and to determine if utility trenches act as preferential pathways for hydrocarbon migration. Fieldwork should commence within 60 days of the date of this letter, or **by February 11, 2002.**

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

eva chu  
Hazardous Materials Specialist

email: David Herzog  
Greg Gurss

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

RO0000284

October 19, 2001

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

**RE: Work Plan for Further Site Characterization at Chevron Service Station #9-0121  
at 3026 Lakeshore Avenue, Oakland, CA**

Dear Mr. Bauhs:

I have completed review of Delta Environmental Consultants, Inc.'s (Delta) October 2001 *Site Conceptual Model* prepared for the above referenced site. Based on site investigations conducted to date, there is insufficient data to perform an appropriate risk evaluation for identified receptors. Delta recommended that additional environmental investigations be conducted to obtain the necessary site-specific data to use in a risk evaluation.

At this time, please submit a workplan for additional environmental investigations as recommended in the site conceptual model. The workplan is due within 60 days of the date of this letter or **by December 21, 2001.**

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

eva chu  
Hazardous Materials Specialist

email: David Herzog  
Jim 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 3628

March 7, 2001

Mr. Tom Bauhs  
Chevron-Building L, Room 1110  
P.O. Box 6004  
San Ramon, CA 94583-0904

**RE: Groundwater Monitoring at Chevron Service Station #9-0121  
at 3026 Lakeshore Ave, Oakland, CA**

Dear Mr. Bauhs:

This office is not in receipt of any quarterly groundwater monitoring reports since the first quarter 2000 sampling event. Please submit any reports since that date. If none are available, quarterly groundwater monitoring should be reinstated immediately for the site. For the next sampling event, groundwater should also be analyzed for ether oxygenates using Method 8260.

It is noted that a 7-foot diameter storm sewer runs along the south perimeter of the site. This storm sewer may act as a conduit for the offsite migration of contaminants. This assumption is supported by the fact that groundwater from Well MW-5 has not ever contained detectable concentrations of TPHg or BTEX. It is recommended that a groundwater monitoring well be installed in the southwest corner of the property. If you concur with my recommendation, a workplan for the installation of a well is due within 60 days of the date of this letter, or by May 14, 2001.

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

eva chu  
Hazardous Materials Specialist

email: David Herzog ([dherzog@grinc.com](mailto:dherzog@grinc.com))



# GETTLER-RYAN INC.

## FACSIMILE COVER SHEET

TO: Eva Chu DATE: 2/6/01

COMPANY: Alameda County Health Care Services

FAX NUMBER: (510) 337-9335

FROM: David Herzog

SUBJECT: Well Search for Chevron #9-0121 at 3026

COMMENTS: Lakeshore Avenue, Oakland

Please complete and fax back the attached  
Well Completion Report Release Agreement. Thank you.  
Fax # (916) 631-1317

Total Pages Including Cover Sheet: 2

If there are any problems with this transmission, please call 916.631.1300.

RECEIVED 21 2001 11:14  
CENTRAL DISTRICT

12:227-7500

FEB 07 2001

11:49 N.J. 002 P 02

GRAY DAVIS, Governor

STATE OF CALIFORNIA - THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES

CENTRAL DISTRICT  
3251 S Street  
Sacramento, CA 95816  
(916) 227-7581  
(916) 277-7628 (Fax)

NORTHERN DISTRICT  
2440 Main Street  
Red Bluff, CA 96080  
(530) 528-7300  
(530) 528-7322 (Fax)

SAN JOAQUIN DISTRICT  
3374 East Shields Avenue  
Fresno, CA 93276  
(559) 230-3300  
(559) 230-3301 (Fax)

SOUTHERN DISTRICT  
770 Fairmont Avenue  
Glendale, CA 91203  
(818) 543-4600  
(818) 543-4604 (Fax)

WELL COMPLETION REPORT RELEASE AGREEMENT  
(Government and Regulatory Agencies and their Contracted Agents)

Project Chevron #9-0121 Contract Number DG90121C.4C01  
T1S, R4W, 25, 36  
County Alameda Township, Range, and Section T1S, R3W, 30, 31  
(Must include entire study area)

As a government or regulatory agency under California Water Code Section 13752, we request permission from Department of Water Resources to inspect or copy Well Completion Reports filed pursuant to Section 13751, and other pertinent well data reports to conduct an environmental cleanup or groundwater study. In accordance with Water Code Section 13752, the information obtained from these reports will be kept confidential and will not be disseminated, published, or made available for inspection by the public without written authorization from the owner(s) of the well(s). The information will not be used for any purpose other than for the purpose of conducting the study. Copies obtained will be stamped CONFIDENTIAL, will be kept in a restricted file accessible only to agency staff or our cosignatory contracted agent, and will be returned to DWR on completion of the study.

Gettler-Ryan Inc.  
Contracted Agent

3140 Gold Camp Drive, Suite 170  
Address

Rancho Cordova, CA 95670  
City, State, and Zip Code

By David Herzog

Project Geologist  
Title

Telephone (916) 631-1300

Fax (916) 631-1317

Date \_\_\_\_\_

E-mail dherzog@grine.com

Alameda County Environmental Health  
Government or Regulatory Agency

1131 Harbor Bay Parkway  
Address

Alameda, CA 94502  
City, State, and Zip Code

By Eva Chu

Haz Mat Specialist  
Title

Telephone (519) 567-6762

Fax (519) 337-9335

Date 2/6/01

E-mail echu@co.alameda.ca.us



**Chevron**

June 15, 1999

**Chevron Products Company**  
6001 Bollinger Canyon Road  
Building L, Room 1080  
PO Box 6004  
San Ramon, CA 94583-0904

Ms. Eva Chu  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

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

**Subject: Certified List of Record Fee Title Owners**  
**For: Chevron Service Station # 9-0121**  
**3026 Lakeshore Avenue, Oakland, California**

Dear Mr. Chu:

In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, Chevron Products Company, certify that we are the sole landowner for the above site.

Sincerely,  
**CHEVRON PRODUCTS COMPANY**

Philip R. Briggs  
Site Assessment and Remediation Project Manger

CC Mr. Bill Scudder, Chevron

99 JUN 17 PM 2:50  
ENVIRONMENTAL PROTECTION

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 3628

June 7, 1999

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

**SUBJECT: NEW LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS  
FOR 3026 LAKESHORE AVENUE, OAKLAND, CA**

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 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) 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.

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



Phil Briggs  
re: 3026 Lakeshore, Oakland, CA  
June 7, 1999  
Page 2 of 2

You may use the enclosed "notice of proposed action" form (sample letter 3) 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.

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



eva chu  
Hazardous Materials Specialist

Attachments

c: Chuck Headlee, RWQCB

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

StID 3628

February 26, 1999

Mr. Phil Briggs  
Chevron-Building L, Room 1110  
P.O. Box 6004  
San Ramon, CA 94583-0904

**RE: Monitoring Well Replacement at Chevron Service Station #9-0121  
at 3026 Lakeshore Ave, Oakland, CA**

Dear Mr. Briggs:

I have completed review of Blaine Tech Services' February 1999 *4<sup>th</sup> Quarter 1998 Monitoring at 9-0121* report and Gettler-Ryan Inc's November 1998 *Work Plan for Monitoring Well Destruction and Installation* report prepared for the above referenced site. Groundwater at the site continues to be impacted with elevated petroleum hydrocarbons. There is evidence that some degree of natural biodegradation may be occurring at the site. Gettler-Ryan has proposed to abandon the 3/4" diameter wells and replace them with 2" diameter wells. The larger diameter wells will allow the installation of ORC socks to enhance natural biodegradation. That proposal is acceptable with the following change:

- Do not destroy Well MW-2. Rather, install a new 2" diameter monitoring well 40' downgradient of Well MW-2. ORC is more effective when benzene concentrations are not too elevated. And, free product level should continue to be measured in existing Well MW-2.

Field work should commence within 60 days of the date of this letter, or by **April 30, 1999**. Please provide 72 hours notice prior to the start of field activities. If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

c: Todd Del Frate  
Gettler-Ryan Inc.  
3164 Gold Camp Drive, Suite 240  
Rancho Cordova, CA 95670

chevron0121-1

ENVIRONMENTAL  
PROTECTION

99 FEB -9 PM 1:57

February 5, 1999

Ms. Eva Chu  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Re: Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California**

Dear Ms. Chu:

This letter is in response to our phone conversation of December 15, 1998, in which you requested any data on tank pulls done prior to 1980. This included the number of soil samples taken and the amount of soil and groundwater disposed of.

I researched out files in our San Ramon office and also requested any files on this station from our Dublin storage warehouse. I was not able to locate any files pertaining to the tank pulls prior to 1980. In fact, I did not locate any reference to the tank pull and installation in 1980, except for a copy of the contract for doing the work. It appears that all of the records have been previously purged from the files.

I did find a report prepared by Groundwater Technology, Inc.(GTI), not dated, but appears to have been prepared in July or August of 1981 (copy enclosed). The report "Considerations on Retrieval of Product from Groundwater" was a proposal to install a "pump & treat" system at this site. In the "Background" section of the report, it notes the following:

- In 1965 the original steel tanks were removed and replaced with steel tanks double wrapped in asphalt.
- In 1980 the steel tanks were replaced with fiberglass tanks. Reportedly, dozens of truckloads of product contaminated soil were removed from the site during this operation.

I was not able to find any supporting documentation in the files of GTI's statement that contaminated soil was removed from the site in 1980 or the amount. However, it appears they had information of the fact at the time the report was prepared in 1981.



**Chevron**

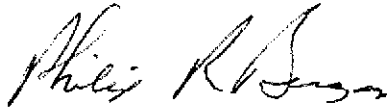
**Chevron Products Company**  
6001 Bollinger Canyon Road  
Building L, Room 1110  
PO Box 6004  
San Ramon, CA 94583-0904

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

February 5, 1999  
Ms. Eva Chu  
Chevron Service Station #9-0121  
Page 2

If you have any questions or need additional information, please call me at (925) 842-9136.

Sincerely,  
**CHEVRON PRODUCTS COMPANY**

A handwritten signature in cursive script, appearing to read "Philip R. Briggs".

Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

Cc. Mr. Bill Scudder, Chevron

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



October 27, 1998

STID 3628

Phil Briggs  
Chevron USA Inc.  
P. O. Box 5004  
San Ramon, CA 94583-0804

ENVIRONMENTAL HEALTH SERVICES

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

re: 3026 Lakeshore Ave., Oakland, CA 94610

Dear Phil Briggs:

This office has received and reviewed a Quarterly Monitoring Report, dated August 3, 1998 by Blaine Tech Services, Inc., with your cover letter dated August 12, 1998, for the above site. The following are comments concerning this report.

1. Has there been any risk assessment done for the Diocese of Oakland offices, which are immediately downgradient from the well with the floating product? This situation needs to be addressed.
2. Free product is still being found in 1 well.
3. This office accepts the currently defined monitoring schedule, as you elaborated in your cover letter, dated April 3, 1998.
4. The MTBE level has gone up in MW-4, which may indicate a new leak as this is an operating service station site. This well is very close to the tanks.

You may call me with any questions at (510) 567-6782.

Sincerely,

Thomas F. Peacock, Manager  
Division of Environmental Protection

c: Francis Thie, Blaine Tech Services, Inc., 1680 Rogers Ave.,  
San Jose, CA 95112  
LeRoy Griffin, City of Oakland Hazardous Materials  
Dick Pantages, Chief - ~~files-ten~~

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 30, 1998

STID 3628

Phil Briggs  
Chevron USA Inc.  
P. O. Box 5004  
San Ramon, CA 94583-0804

re: 3026 Lakeshore Ave., Oakland, CA 94610

Dear Phil Briggs:

This office has received and reviewed two Quarterly Monitoring Reports, dated January 19 and March 31, 1998 by Blaine Tech Services, Inc., for the above site. The following are comments concerning these reports.

1. Has there been any risk assessment done for the Diocese of Oakland offices, which are immediately downgradient from the well with the floating product? This situation needs to be addressed soon.
2. Free product is still being found in 1 well.
3. This office accepts the currently defined monitoring schedule, as you elaborated in your cover letter, dated April 3, 1998.

You may call me with any questions at (510) 567-6782.

Sincerely,

Thomas F. Peacock, Manager  
Division of Environmental Protection

c: Francis Thie, Blaine Tech Services, Inc., 1680 Rogers Ave.,  
San Jose, CA 95112  
LeRoy Griffin, City of Oakland Hazardous Materials  
Dick Pantages, Chief - ~~files-Tom~~



April 3, 1998

55117  
3678

**Chevron Products Company**  
6001 Bollinger Canyon Road  
Building L  
San Ramon, CA 94583  
P.O. Box 6004  
San Ramon, CA 94583-0904

**Marketing - Sales West**  
Phone 510 842-9500

Ms. Pam Evans  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Re: Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California**

Dear Ms. Evans:

Enclosed is the First Quarter Groundwater Monitoring Report for 1998, prepared by our consultant Blaine Tech Services, Inc. for the above noted site. The groundwater samples were analyzed for the presence of TPH-g, TPH-d, BTEX and MtBE constituents. Monitoring wells MW-5 and MW-6 are sampled semi-annually (1<sup>st</sup> and 3<sup>rd</sup> quarters), while wells MW-7 and MW-8 are sampled annually (1<sup>st</sup> quarter). The remaining four wells are sampled quarterly. All wells are measured for groundwater depth.

Monitoring wells MW-1 and MW-4 showed an decline in the benzene constituent while it increased in well MW-3. A small amount of separate phase hydrocarbon (0.12 feet) was detected in monitoring well MW-2 with 0.007 gals of hydrocarbons removed. No BTEX constituents were detected in wells MW-5, MW-6, MW-7 and MW-8. The chromatogram pattern for the TPH-d constituents detected in the ground water indicated an unidentified hydrocarbon.

Depth to groundwater varied from 1.83 feet to 9.97 feet below grade with a direction of flow predominately southwesterly.



April 3, 1998  
Ms. Pam Evans  
Chevron Service Station #9-0121  
Page 2

Chevron will continue to monitor the wells in the sampling frequency as noted above. If you have any questions, please call me at (510) 842-9136.

Sincerely,  
**CHEVRON PRODUCTS COMPANY**

A handwritten signature in cursive script, appearing to read "Philip R. Briggs".

Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

Cc. Mr. Bill Scudder, Chevron



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



October 29, 1997  
STID 3628

Phil Briggs  
Chevron USA Inc.  
P. O. Box 5004  
San Ramon, CA 94583-0804

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

re: 3026 lakeshore Ave., Oakland, CA 94610

Dear Phil Briggs:

This office has received and reviewed two Quarterly Monitoring Reports, dated May 1 and July 30, 1997 by Blaine Tech Services, Inc., for the above site. The following are comments concerning these reports.

1. The sampling schedule as mentioned in your cover letter dated August 5, 1997 is acceptable.
2. Free product is still being removed from 4 wells.

This case will be handled by Pam Evans at this time. You may call her with any questions at (510) 567-6770.

Sincerely,

Thomas F. Peacock, Manager  
Division of Environmental Protection

c: Francis Thie, Blaine Tech Services, Inc., 1680 Rogers Ave.,  
San Jose, CA 95112  
LeRoy Griffin, Oakland Hazardous Materials  
Gordon Coleman, Chief - files



97 OCT 28 PM 3:35

October 24, 1997

**Chevron Products Company**  
6001 Bollinger Canyon Road  
Building L  
San Ramon, CA 94583  
P.O. Box 6004  
San Ramon, CA 94583-0904

Mr. Thomas Peacock  
Manager, Environmental Protection Division  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Marketing - Sales West**  
Phone 510 842-9500

5103628  
PE

**Re: Chevron Service Station #9-0121**  
**3026 Lakeshore Avenue**  
**Oakland, California 94610**

Dear Mr. Peacock:

Enclosed is the Third Quarter Groundwater Monitoring Report for 1997, prepared by our consultant Blaine Tech Services, Inc. for the above noted site. The groundwater samples were analyzed for the presence of TPH-g, TPH-d, BTEX and MtBE constituents. Monitoring wells MW-5 and MW-6 are sampled semi-annually (1<sup>st</sup> and 3<sup>rd</sup> quarters), while wells MW-7 and MW-8 are sampled annually (1<sup>st</sup> quarter). The remaining four wells are sampled quarterly. All wells are measured for groundwater depth.

Monitoring wells MW-1, MW-2 and MW-3 showed a decline in the benzene constituent. No BTEX constituents were detected in monitoring wells MW-5 and MW-6. A small amount of separate phase hydrocarbon was detected in monitoring well MW-2 but was not removed at this time. The chromatogram pattern for the TPH-d constituents detected in the ground water indicated an unidentified hydrocarbon.

Depth to groundwater varied from 3.41 feet to 13.68 feet below grade with a direction of flow southerly.

Chevron will continue to monitor the wells in the sampling frequency as noted above. If you have any questions, please call me at (510) 842-9136.

Sincerely,  
**CHEVRON PRODUCTS COMPANY**

Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

cc. Mr. Bill Scudder, Chevron

ENVIRONMENTAL  
PROTECTION



**Chevron**

August 5, 1997

97 AUG -7 PM 3:59

Ms. Jennifer Eberle  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Chevron Products Company**  
6001 Bollinger Canyon Road  
Building L  
San Ramon, CA 94583  
P.O. Box 6004  
San Ramon, CA 94583-0904

**Marketing - Sales West**  
Phone 510 842-9500

**Re: Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California**

Dear Ms. Eberle:

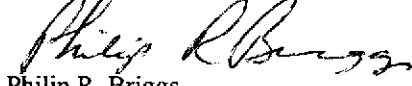
Enclosed is the second Quarter Groundwater Monitoring Report for 1997, prepared by our consultant Blaine Tech Services, Inc. for the above noted site. The groundwater samples were analyzed for the presence of TPH-g, TPH-d, BTEX and MtBE constituents. Monitoring wells MW-5 and MW-6 are sampled semi-annually (1<sup>st</sup> and 3<sup>rd</sup> quarters), while wells MW-7 and MW-8 are sampled annually (1<sup>st</sup> quarter). The remaining four wells are sampled quarterly.

Only monitoring wells MW-1, MW-2, MW-3, and MW-4 were sampled. The remaining wells were measured for ground water depth. Monitoring wells MW-1 and MW-3 showed a decline in the benzene constituent, while the benzene constituent in well MW-4 remained the same. Separate phase hydrocarbon was detected in monitoring well MW-2, and approximately 0.030 gals. was removed. The chromatogram pattern for the TPH-d constituents detected in the ground water indicated an unidentified hydrocarbon.

Depth to groundwater varied from 3.58 feet to 12.78 feet below grade with a varying direction of flow, southwesterly from well MW-2 to MW-6 and easterly from well MW-3 to MW-8.

Chevron will continue to monitor the wells in the sampling frequency as noted above. If you have any questions, please call me at (510) 842-9136.

Sincerely,  
**CHEVRON PRODUCTS COMPANY**

  
Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

cc. Mr. Bill Scudder, Chevron

ENVIRONMENTAL  
PROTECTION

97 MAY 22 AM 10:11



**Chevron**

May 17, 1997

Ms. Jennifer Eberle  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Chevron Products Company**  
6001 Bollinger Canyon Road  
Building L  
San Ramon, CA 94583  
P.O. Box 6004  
San Ramon, CA 94583-0904

**Marketing - Sales West**  
Phone 510 842-9500

Re: **Chevron Service Station #9-0121** *Site 3628*  
**3026 Lakeshore Avenue**  
**Oakland, California** *40610*

Dear Ms. Eberle:


Enclosed is the First Quarter Groundwater Monitoring Report for 1997, prepared by our consultant Blaine Tech Services, Inc. for the above noted site. The groundwater samples were analyzed for the presence of TPH-g, TPH-d, BTEX and MtBE constituents.

BTEX constituents were below method detection limits in monitoring wells MW-5, MW-6, MW-7, and MW-8. Monitoring well MW-1 showed a decline in the benzene constituent, while wells MW-3 and MW-4 showed an increase to the benzene constituent. Separate phase hydrocarbon was detected in monitoring well MW-2, and approximately 0.030 gals. was removed.

Depth to groundwater varied from 2.94 to 12.10 feet below grade with a direction of flow southwesterly.

As accepted by your office, Chevron will reduce the sampling frequency for four monitoring wells. Wells MW-5 and MW-6 will be sampled in the first and third quarters (semi-annually), while MW-7 and MW-8 will be sampled in the first quarter (annually). The remaining wells will continued to be sampled quarterly. Chevron will continue to remove separate phase hydrocarbons quarterly from MW-2, that is, when the hydrocarbons are present and collectable. If you have any questions, please call me at (510) 842-9136.

Sincerely,  
**CHEVRON PRODUCTS COMPANY**

  
Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

cc. Mr. Bill Scudder, Chevron



**Chevron**

April 11, 1997

**Chevron Products Company, Inc.**  
PO Box 6004  
San Ramon, CA 94583-0904

Kevin Tinsley  
Alameda County  
Environmental Health  
1131 Harbor Bay Parkway, Room 250  
Alameda, CA 94502-6577

**Sharan Beller**  
Citation Desk  
Phone No. 510-842-9643  
Fax No. 510-328-1731

Re: Chevron Stations, Inc. #92506  
2360 Broadway  
Oakland, CA 94612

The February, 1997 Ustman Sir System report for the above referenced facility showed a fail for the Regular Unleaded underground storage tank. On 04/08/97 a Chevron Maintenance Contractor made a visual inspection of the Regular Unleaded turbin pit and under each Regular Unleaded dispenser while the system was under pressure. No visible leaks were found. All Regular Unleaded meters were checked for tolerance. All except dispenser # 8 were found to be within tolerance. The meter was replaced in the #8 dispenser and adjusted to tolerance. A copy of the calibration report is attached. The tank inventory was checked with the tank gauge stick and found to be okay. Ninety days of inventory reconciliation logs were reviewed. No errors were found.

Ustman ran a reanalyzes of the data using the net delivery figures. The results were that the Regular Unleaded tank was tight. The loss was due to temperature correction.

If there are any questions, please call Sharan Beller at (510) 842-9643.

Sincerely,

Sharan Beller  
Citation Desk

cc: Gordon Johnson, Compliance Specialist  
Charles, Manager Chevron Station #92506

ENVIRONMENTAL  
PROTECTION

97 APR 15 AM 8: 14



**Chevron**

April 11, 1997

Kevin Tinsley  
Alameda County  
Environmental Health  
1131 Harbor Bay Parkway, Room 250  
Alameda, CA 94502-6577

# 3628  
PE

**Chevron Products Company, Inc.**  
PO Box 6004  
San Ramon, CA 94583-0904

**Sharan Beller**  
Citation Desk  
Phone No. 510-842-9643  
Fax No. 510-328-1731

Re: Chevron Stations, Inc. #90121  
3026 Lakeshore Avenue  
Oakland, CA 94610

The February, 1997 Ustman Sir System report for the above referenced facility showed an inconclusive leak for the Supreme Unleaded underground storage tank. On 04/09/97 a Chevron Maintenance Contractor made a visual inspection of the Supreme Unleaded turbin pit and inside each Supreme Unleaded dispenser while the system was under pressure. No visible leaks were found. All Supreme Unleaded meters were checked for tolerance. All were found to be within tolerance. A copy of the calibration report is attached. The tank inventory was checked with the tank gauge stick and found to be okay. Ninety days of inventory reconciliation logs were reviewed. No errors were found.

Ustman ran a reanalyzes of the data using the net delivery figures. The results were that the Supreme Unleaded tank was tight. The overage was due to temperature correction.

If there are any questions, please call Sharan Beller at (510) 842-9643.

Sincerely,

Sharan Beller  
Citation Desk

cc: Charles Bittle, Chevron Stations, Inc.  
Manager Chevron Station #90121

8/9/97

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



February 25, 1997  
STID 3628  
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: Phil Briggs  
Chevron USA Inc.  
PO Box 5004  
San Ramon CA 94583-0804

RE: Chevron station #90121, 3026 Lakeshore Ave., Oakland CA 94610

Dear Mr. Briggs,

Since my last letter to Chevron, dated June 28, 1996, the following documents have been received in this office:

- 1) letter from Robert H. Lee & Associates, Inc., dated 8/13/96, regarding piping closure plan;
- 2) Health & Safety Plan, prepared by Armer/Norman & Associates, dated 8/19/96;
- 3) Piping Removal Plan, submitted by Armer/Norman & Associates, approved by this office on 8/23/96;
- 4) letter from Blaine Tech Services (BTS), dated 8/8/96;
- 5) "Product Piping Removal Soil Sampling Report," prepared by Touchstone Developments, dated 11/1/96;
- 6) "2nd Quarter 1996 Monitoring at 9-0121," prepared by BTS, dated 8/5/96, under cover letter from Chevron dated 12/17/96;
- 7) letter report prepared by Touchstone Developments, dated 11/15/96, regarding water discharge permit efforts;
- 8) letter report prepared by BTS, dated 11/4/96, regarding well abandonment;
- 9) cover letter from Chevron dated 2/3/97 (including items #5, #7, and #8); and
- 10) "4th Quarter 1996 Monitoring at 9-0121," prepared by BTS, dated 1/20/97, under cover letter from Chevron dated 1/31/97.

February 25, 1997

STID 3628

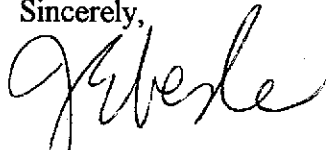
page 2 of 2

Attn: Phil Briggs

Your 1/31/97 letter requested a reduction in the sampling frequency for four wells. **This request is acceptable. The modification is as follows:** MW5 and MW6 will be sampled in the first and third quarters (semi-annually), while MW7 and MW8 will be sampled in the first quarter (annually). The other wells will be sampled quarterly. Free product will be removed from MW2 on a quarterly basis, when it is present and collectable.

Please contact me at 510-567-6761 if you have any questions.

Sincerely,



Jennifer Eberle  
Hazardous Materials Specialist

cc: James Keller, Blaine Tech Services, Inc., 985 Timothy Dr., San Jose CA 95133  
J. Eberle/file

je.3628-B





**Chevron**

ENVIRONMENTAL  
PROTECTION  
97 FEB 13 AM 9:35

February 3, 1997

Ms. Jennifer Eberle  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Chevron Products Company**  
6001 Bollinger Canyon Road  
Building L  
San Ramon, CA 94583  
P.O. Box 6004  
San Ramon, CA 94583-0904

**Marketing - Sales West**  
Phone 510 842-9500

**Re: Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California**

Dear Ms. Eberle:

Enclosed is the Product Piping Removal Soil Sampling Report, that was prepared by our consultant Touchstone Developments, for the above noted site. This report was prepared to document the removal of product piping and soil disposal, which was conducted at this site in September 1996.

Soil was excavated at the site so that the product piping could be replaced and overspill protection be installed under the service station dispensers. The excavated soil was stockpiled onsite and sampled, and the soil that was hydrocarbon impacted, was removed from the site and transported to Browning-Ferris Ind. landfill in Livermore. **Approximately 100 cubic yards was moved to the landfill.**

It was anticipated that some dewatering and discharge of groundwater would be necessary during these construction activities, therefore a holding tank with a sediment filter and carbon vessels were installed at the site. During the course of the construction, approximately 200 gallons of groundwater was pumped from a low point of the piping system to the on-site holding tank.

Also, an old 30-inch recovery well was abandoned, because it was interfering with the new pump island layout and there appeared to be no further practical use for this well. A copy of the well abandonment report, dated November 4, 1996, is included for your files. During the abandonment of this well, approximately 350 gallons of groundwater was pumped into the above noted holding tank. **Toward the close of the project, the construction foreman pumped the approximately 550 gallons of groundwater from the holding tank through the sediment filter and carbon vessels back into the tank excavation. This procedure of disposal is not approved by Chevron. However, Touchstone Developments sampled the groundwater after it went through the system and into the excavation and it was determined that the TPH-g and BTEX constituents were below the method detection levels. Therefore, it appears that the groundwater was not impacted by pumping the water back into the excavation. A copy of the letter report documenting this information, along with the lab sample results is included for your files.**

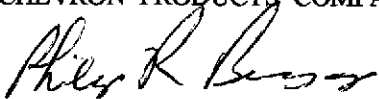
200  
+ 350  
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550

No additional groundwater was generated during the course of the construction at this site, except for the amount as noted above, and therefore, the dewatering/discharge system was never permitted through EBMUD.

Chevron is presently monitoring the site and this procedure will continue, with the reports submitted under separate cover. If you have any questions, please call me at (510) 842-9136.

February 3, 1997  
Jennifer Eberle  
Chevron Service Station #9-0121  
Page2

Sincerely,  
CHEVRON PRODUCTS COMPANY

A handwritten signature in cursive script, appearing to read "Philip R. Briggs".

Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

cc. Mr. Bill Scudder, Chevron

ENVIRONMENTAL  
PROTECTION

97 FEB 11 AM 10:05



**Chevron**

January 31, 1997

Ms. Jennifer Eberle  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Chevron Products Company**  
6001 Bollinger Canyon Road  
Building L  
San Ramon, CA 94583  
P.O. Box 6004  
San Ramon, CA 94583-0904

**Marketing - Sales West**  
Phone 510 842-9500

**Re: Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California**

Dear Ms. Eberle:


Enclosed is the Fourth Quarter Groundwater Monitoring Report for 1996, prepared by our consultant Blaine Tech Services, Inc. for the above noted site. As noted in my previous correspondence, the quarterly sampling for the third quarter was omitted, due to the new piping and overspill protection that was being installed at that time.

The groundwater samples were analyzed for the presence of TPH-g, TPH-d, BTEX, and MtBE constituents. Benzene constituents were below method detection limits in monitoring wells MW-5, MW-6, MW-7, and MW-8. Monitoring wells MW-1, MW-3 and MW-4 showed a decline in the benzene constituent. Separate phase hydrocarbon was detected in monitoring well MW-2, at a thickness of only 0.14 feet, and the consultant was not able to remove any hydrocarbons in this quarter.

Depth to groundwater varied from 2.18 to 11.40 feet below grade with a direction of flow southwesterly.

Chevron requests that monitoring wells MW-7 and MW-8 be sampled annually and that monitoring wells MW-5 and MW-6 be sampled semi-annually. The remaining wells will continued to be sampled quarterly. Wells MW-7 and MW-8 have been below method detection levels for BTEX and TPH-g constituents for at least the last eight sampling events. Well MW-5 has been below method detection limits for BTEX and TPH-g constituents for at least eight sampling events, but is cross gradient and somewhat downgradient of the site. Well MW-6 has been below method detection limits for BTE constituents for the last four sampling events but is downgradient of the site. ~~Chevron will continue to remove separate phase hydrocarbons quarterly from MW-2, that is, when the hydrocarbons are present and collectable.~~ If you have any questions, please call me at (510) 842-9136.

Sincerely,  
CHEVRON PRODUCTS COMPANY

  
Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

cc. Mr. Bill Scudder, Chevron

*Handwritten initials*



**Chevron**

**Chevron Products Company**  
P.O. Box 6004  
San Ramon, CA 94583

January 20, 1997

Ms. Pam Evans  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Re: Chevron Service Station #9-0121**  
**3026 Lakeshore Avenue**  
**Oakland, California**

Dear Ms. Evans:

Enclosed is the Fourth Quarter Groundwater Monitoring Report for 1997, prepared by our consultant Blaine Tech Services, Inc. for the above noted site. The groundwater samples were analyzed for the presence of TPH-g, TPH-d, BTEX and MtBE constituents. Monitoring wells MW-5 and MW-6 are sampled semi-annually (1<sup>st</sup> and 3<sup>rd</sup> quarters), while wells MW-7 and MW-8 are sampled annually (1<sup>st</sup> quarter). The remaining four wells are sampled quarterly. All wells are measured for groundwater depth.

Monitoring wells MW-1 and MW-4 showed an increase in the benzene constituent while it declined in well MW-3. A small amount of separate phase hydrocarbon (0.02 feet) was detected in monitoring well MW-2 but the consultant was unable to recover any hydrocarbons. The chromatogram pattern for the TPH-d constituents detected in the ground water indicated an unidentified hydrocarbon.

Depth to groundwater varied from 1.89 feet to 13.03 feet below grade with a direction of flow southwesterly.

Chevron will continue to monitor the wells in the sampling frequency as noted above. If you have any questions, please call me at (510) 842-9136.

Sincerely,  
**CHEVRON PRODUCTS COMPANY**

Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

cc. Mr. Bill Scudder, Chevron

ENVIRONMENTAL  
PROTECTION



**Chevron**

December 17, 1996

96 DEC 23 PM 3:13

Ms. Jennifer Eberle  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Chevron Products Company**  
6001 Bollinger Canyon Road  
Building L  
San Ramon, CA 94583  
P.O. Box 5004  
San Ramon, CA 94583-0804

**Marketing – Northwest Region**  
Phone 510 842 9500

**Re: Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California**

Dear Ms. Eberle:

Enclosed is the Second Quarter Groundwater Monitoring Report for 1996, prepared by our consultant Blaine Tech Services, Inc. for the above noted site. I apologize for the delay in the submittal of this report and future reports will be submitted in a timely manner. The Third Quarter monitoring period was omitted, due to new piping and overspill protection that was installed in the month of September.

The groundwater samples were analyzed for the presence of TPH-g, TPH-d, BTEX, and MtBE constituents. Benzene constituents were below method detection limits in monitoring wells MW-5, MW-6, MW-7, and MW-8. Monitoring well MW-1 showed an increase in the benzene constituent, while monitoring wells MW-3 and MW-4 showed a decline in the benzene constituent. Separate phase hydrocarbons were detected in monitoring well MW-2, and approximately 0.030 gallons were removed.

Depth to groundwater varied from 4.29 to 11.43 feet below grade with a direction of flow southwesterly.

I am also enclosing a letter from Chevron's consultant addressing the concerns you raised in your letter of June 28, 1996. As noted, the well boxes for MW-2 and MW-4 were replaced; and the possible typo in the First Quarter report for MW-2, was found not to exist.

*no letter  
enclosed*

Chevron will continue to monitor and sample the wells on a quarterly basis. We will also continue to remove separate phase hydrocarbons from MW-2 on a quarterly basis, when present. If you have any questions, please call me at (510) 842-9136.

Sincerely,  
CHEVRON PRODUCTS COMPANY

Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

cc. Mr. Bill Scudder, Chevron

white -env. health  
 yellow -facility  
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH  
 Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.  
 Suite 250  
 Alameda, CA 94502-6577  
 (510) 567-6700

II, III

Site ID # 3628 Site Name Chevron 9-0121 Today's Date 9/3/96

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Std. 25503(b)
- 3. RR Cars > 3days 25503.7
- 4. Inventory Information 25504(a)
- 5. Inventory Complete 2730
- 6. Emergency Response 25504(b)
- 7. Training Policy 25504(c)
- 8. Defecation 25505(a)
- 9. Mac 25505(b)

Site Address 3026 Lakeshore

City Oakland Zip 94610 Phone \_\_\_\_\_

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

Inspection Categories:

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

II.B ACUTE HAZ MATLS

- 1. Registration Form Filed 25533(a)
- 2. Form Complete 25533(b)
- 3. RMPP Contents 25534(c)
- 4. Implement Sch. Req'd? (Y/N) 25524(c)
- 5. OffSite Conseq. Assess. 25534(d)
- 6. Probable Risk Assessment 25534(g)
- 7. Persons Responsible 25534(f)
- 8. Certification 25534(f)
- 9. Exemption Request? (Y/N) 25536(b)
- 10. Trade Secret Requested? 25538

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

III. UNDERGROUND TANKS (Title 23)

- |                               |  |
|-------------------------------|--|
| General                       | 1. Permit Application 25284 (H&S)      |
|                               | 2. Pipeline Leak Detection 25292 (H&S) |
|                               | 3. Records Maintenance 2712            |
|                               | 4. Release Report 2651                 |
|                               | 5. Closure Plans 2670                  |
| Monitoring for Existing Tanks | 6. Method                              |
|                               | 1) Monthly Test                        |
|                               | 2) Daily Vadose                        |
|                               | Semi-annual groundwater                |
|                               | One time soils                         |
|                               | 3) Daily Vadose                        |
|                               | One time soils                         |
|                               | Annual tank test                       |
|                               | 4) Monthly Gndwater                    |
|                               | One time soils                         |
|                               | 5) Daily Inventory                     |
|                               | Annual tank testing                    |
|                               | Cont pipe leak det                     |
|                               | Vadose/gndwater mon.                   |
| 6) Daily Inventory            |  |
| Annual tank testing           |  |
| Cont pipe leak det            |  |
| 7) Weekly Tank Gauge          |  |
| Annual tank testing           |  |
| 8) Annual Tank Testing        |  |
| Daily Inventory               |  |
| 9) Other _____                |  |
| New Tanks                     | 7. Precip Tank Test 2643               |
|                               | Date: _____                            |
|                               | 8. Inventory Rec. 2644                 |
|                               | 9. Soil Testing . 2646                 |
|                               | 10. Ground Water. 2647                 |
|                               | 11. Monitor Plan 2632                  |
|                               | 12. Access. Secure 2634                |
|                               | 13. Plans Submit 2711                  |
|                               | Date: _____                            |
|                               | 14. As Built 2635                      |
| Date: _____                   |  |

Comments:  
 On-site to observe sampling of piping trenches. Jeff Monroe (Touchstones) was on-site to perform task. Sample points were concentrated in areas where one or more individual piping runs joined @ "Ts" or elbows, typically where such connections were clustered. Both <sup>dispensers</sup> vapor and product conveyance line trenches were sampled.

Some discoloration (grey) and dull odor of old product noted in some areas of piping trench and dispensers along the southern dispenser array/island. Strong product odors noted below eastern dispenser and associated piping elbow of the central dispenser array/island; the western dispenser/elbow of the central island also exhibited strong fuel odors. Moderate/strong fuel odors noted in samples collected in area of northern dispenser island. Because of preponderance of buried utilities @ east portion of northern dispenser array, sampling was limited here.

Rev 6/88

Contact: J. Monroe  
 Title: Touchstones  
 Signature: [Signature]

Inspector: [Signature]  
 Signature: [Signature]

II, III

Jennifer Eberle

Project Specialist

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
DEPARTMENT OF ENVIRONMENTAL HEALTH  
ENVIRONMENTAL PROTECTION DIVISION  
1131 HARBOR BAY PARKWAY, RM 250  
ALAMEDA, CA 94502-6577  
PHONE # 510/567-6700  
FAX 510/337-9335

ACCEPTED

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 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/renovation.  
One copy of the approved plans must be on the job and available to all contractors and trades not involved with the removal.  
Any changes or alterations of these plans and specifications must be submitted to this Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 72 hours prior to any required inspections.

Removal of Tank(s) and Piping  
Sampling  
Final Inspection

Issuance of a permit to operate, to permit closure, is dependent on compliance with applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

Contact Specialist: Jennifer Eberle 8-23-96

Call me for inspection when piping is uncovered + not yet removed from trench. Call 2-3 business days in advance: 567-6761.

Paul Garvin - Armer

PIPING REMOVAL

~~UNDERGROUND TANK CLOSURE PLAN~~

\*\*\* Complete according to attached instructions \*\*\*

- Name of Business Chevron Products Company SS# 9-0121  
Business Owner or Contact Person (PRINT) Jean Castro c/o Robt. H. Lee & Assoc.
- Site Address 3026 Lakeshore Ave  
City Oakland, CA. Zip 94610 Phone (510) 839-3251
- Mailing Address 1137 No. Mc Dowell Blvd.  
City Petaluma, CA. Zip 94954 Phone (707) 765-1660
- Property Owner Chevron Products Company  
Business Name (if applicable) Chevron Products Company  
Address P.O. Box 5004  
City, State San Ramon, CA. Zip 94583
- Generator name under which tank will be manifested  
Chevron Products Company  
EPA ID# under which tank will be manifested CAI080031339

6. Contractor Gottler Ryan Inc. Armer/Norman  
Address 6747 Sierra Ct, Suite J, Assoc., 1561-3rd Av.  
City Dublin, Walnut Creek, CA 94568-96 Phone (510) 551-7555  
License Type \_\_\_\_\_ ID# 220793 256896

\*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.

7. Consultant (if applicable) N/A

Address \_\_\_\_\_  
City, State \_\_\_\_\_ Phone \_\_\_\_\_

8. Main Contact Person for Investigation (if applicable)

Name Jean Castro Robert H. Lee & Associates Title Job Captain

Company Robert H. Lee & Associates  
Phone (707) 765-1660

9. Number of underground tanks being closed with this plan None  
± 540 Lineal Ft. (Petroleum Vapor lines)  
Length of piping being removed under this plan ± 249 Lineal Ft. (vent lines)

Total number of underground tanks at this facility (\*\*confirmed with owner or operator) 4

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

\*\* Underground storage tanks must be handled as hazardous waste \*\*

a) Product/Residual Sludge/Rinsate Transporter

Name ERICKSON: Contact: David Sato EPA I.D. No. CAD 009 466 392  
Hauler License No. 0019 License Exp. Date July 31, 1996  
Address 255 Parr Boulevard  
City Richmond State CA Zip 94801

b) Product/Residual Sludge/Rinsate Disposal Site

Name SAME AS #10a. EPA ID# \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_



c) Tank and Piping Transporter

Name SAME AS 10a. EPA I.D. No. \_\_\_\_\_  
Hauler License No. \_\_\_\_\_ License Exp. Date \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

d) Tank and Piping Disposal Site

Name SAME AS 10a. EPA I.D. No. \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

11. Sample Collector

Name Mike Tambroni  
Company Touchstone Development  
Address P.O. Box 2554  
City Santa Rosa State CA Zip 95405 Phone (415) 386-8791

12. Laboratory

Name Superior Labs  
Address 1555 Burke Street, Unit I  
City San Francisco State CA Zip 94124  
State Certification No. 1332  
Phone: (415) 647-2081

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

If yes, describe. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

14. Describe methods to be used for rendering tank(s) inert:

Pump out petroleum. 50 lbs of dry ice per tank.

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 permanently plugged.

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas indicator on-site to verify that the tank is inert.

15. Tank History and Sampling Information \*\*\* (see instructions) \*\*\*  
Piping replacement only. Existing underground fuel storage tanks to remain.

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
Tanks:	Piping & Tanks:	1 sample per 20 linear feet + sample at elbows, signs of Soil discoloration, odor and/or piping deterioration.	Piping trench
10,000	Installed in 1980		Piping trench
10,000	Installed in 1980		Piping trench
10,000	Installed in 1980		Piping trench
10,000	Installed in 1980	Soil	Piping trench

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

Excavated/Stockpiled Soil

Stockpiled Soil Volume (estimated)

210 cu. yds.

Sampling Plan

One composite sample, consisting of four individual brass sampling cylinders will be analyzed for every 50 cubic yards of soil. Samples will be analyzed for TPH G and BTEX (see below). If detectable amounts of petroleum hydrocarbons are found, samples will be tested for lead.

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

Will the excavated soil be returned to the excavation immediately after tank removal? [ ] yes [x] no [ ] unknown.

If yes, explain reasoning \_\_\_\_\_

If unknown at this point in time, please be aware that excavated soil may not be returned to the excavation without prior approval from Alameda County. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling operations.

16. Chemical methods and associated detection limits to be used for analyzing samples:

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

17. Submit Site Health and Safety Plan (See Instructions)

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
Product Tank TPH G & BTEX	GCFID 5030, WATER GCFID 5030, 3810, 5011	MOD. 8015, 8020, OR 8240, SOIL 602 OR 624, WATER	SOIL WATER 1.0 50.0 0.0005 0.5

18. Submit Worker's Compensation Certificate copy

Name of Insurer

~~Metson~~ Republic Indemnity Co  
of Amer

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 written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.

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

23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner)

I declare that to the best of my knowledge and belief that 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 approval from the Environmental Protection Division 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.

CONTRACTOR INFORMATION

Name of Business

Armer/Norman & Assoc.

Name of Individual

~~Getter Ryan Inc~~ Bill Armer

Signature

*[Handwritten Signature]*

Date

8/23/96

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business

Chevron Products Company

Name of Individual

Rina Krakovsky

X Signature

*[Handwritten Signature]*

Date

# INSTRUCTIONS

## General Instructions

- \* Three (3) copies of this plan plus attachments and a 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.
- \* State of California Permit Application Forms A and B are to be submitted to this office. One Form A per site, one Form B for each removed tank.

## Line 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 Toxic Substances Control, 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) A page for employees to sign acknowledging that 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.

-4-

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 tank(s) and piping in addition to the tank(s) being removed.

20. DEPOSIT

A deposit, payable to "County of Alameda" 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 this office or from the San Francisco Bay Regional Water Quality Control Board (510/286-1255). 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 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) Detailed description of sampling methods; i.e. backhoe bucket, drive sampler, bailer, bottle(s), sleeves
- 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) Documentation of the disposal of/and volume and final destination of all non-manifested contaminated soil disposed 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 D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) TPH D GCFID(3510) BTX&E 602, 624 or 8260
Leaded Gas	TPH G GCFID(5030) BTX&E 8020 OR 8240 TPH AND BTX&E 8260 TOTAL LEAD AA -----Optional----- TEL DHS-LUFT EDB DHS-AB1803	TPH G GCFID(5030) BTX&E 602 or 624 TOTAL LEAD AA TEL DHS-LUFT EDB DHS-AB1803
Unleaded Gas	TPH G GCFID(5030) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) BTX&E 602, 624 or 8260
Diesel, Jet Fuel and Kerosene	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Fuel/Heating Oil	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Chlorinated Solvents	CL HC 8010 or 8240 BTX&E 8020 or 8240 CL HC AND BTX&E 8260	CL HC 601 or 624 BTX&E 602 or 624 CL HC AND BTX&E 8260
Non-chlorinated Solvents	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602 or 624 TPH and BTX&E 8260
Waste and Used Oil or Unknown (All analyses must be completed and submitted)	TPH G GCFID(5030) TPH D GCFID(3550) TPH AND BTX&E 8260 O & G 5520 D & F BTX&E 8020 or 8240 CL HC 8010 or 8240	TPH G GCFID(5030) TPH D GCFID(3510) O & G 5520 B & F BTX&E 602, 624 or 8260 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 extractable, respectively) are to be analyzed and characterized by GC/FID 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:

	SOIL PPM	WATER PPB
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
≤ 10 ppm (42%)	≤ 10 ppm (10%)
≤ 5 ppm (19%)	≤ 5 ppm (21%)
≤ 1 ppm (35%)	≤ 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 ≤ 20 carbon atoms, diesel and jet fuel (kerosene) standard ≤ 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.



# ROBERT H. LEE & ASSOCIATES, INC.

ARCHITECTURE

ENGINEERING

ENVIRONMENTAL SERVICES

1137 NORTH McDOWELL BLVD., PETALUMA, CA 94954-1110

MAILING ADDRESS: P.O. Box 750908 PETALUMA, CA

PHONE 707-765-1660

FAX 707-765-9908

VOICE MAIL 707-765-2344

JOHN W. JOHNSON  
Architect  
Co-President

August 13, 1996

*STW 3624  
JSS*

BRIAN F. ZITA  
Architect  
Co-President

Jennifer Eberle  
Alameda County Health Care Services Agency

JOHN B. HICKS  
Architect  
Vice President

Department of Environmental Health  
Environmental Protection Division

CECIL R. SPENCER  
Architect  
Vice President

1131 Harbor Bay Parkway, Rm 250  
Alameda, CA. 94502-6577

JAMES H. RAY  
Civil Engineer

RE: CHEVRON USA PRODUCTS COMPANY  
3026 LAKESHORE  
OAKLAND, CA  
SS #9-0121; RHL JOB #8841.10

*✓ rcpt book  
+ dup ref sheet?  
already cos? ?  
Don*

BRUCE J. GREENFIELD  
Architect  
Associate

HOWARD G. KIMURA  
Associate

GARY M. SEMLING  
Architect  
Associate

Dear Juliet,

BLYTHE R. WILSON  
Architect  
Associate

On behalf of Chevron USA Products Company, we are submitting proposed plans for the above mentioned project with the intent of obtaining the required Environmental Health Department approval.

Enclosed please find the application package containing the following items:

1. Three copies of completed application form for underground piping closure plan.
2. Three plot / piping plans, with all requested information.
3. State forms B for removal of product piping.
4. A check in the amount of \$1245.00 for piping removal.

The contractor will provide the site health and safety plan and outstanding contractor information necessary to pick up the permit.

For questions or any further information, please call me at (707) 765-1660.

Sincerely,

*8-22 Jean she got the check  
back (\$1245.00)*

ROBERT H. LEE & ASSOCIATES, INC.

*Jean L. Castro*  
Jean L. Castro  
Job Captain

F:\USERS\JLC\8841\ENVHLTH.002





# BLAINE TECH SERVICES INC.

985 TIMOTHY DRIVE  
SAN JOSE, CA 95133  
(408) 995-5535  
FAX (408) 293-8773

August 8, 1996

Phil Briggs  
Chevron U.S.A. Products Company  
P.O. Box 5004  
San Ramon, CA 94583-0804

RE: Chevron Station #9-0121, 3026 Lakeshore Avenue, Oakland

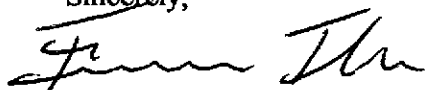
Dear Mr. Briggs,

This letter responds to comments and requests made by Ms. Jennifer Eberle of the Alameda County Health Services in a letter addressed to you dated June 28, 1996 and in a subsequent telephone conversation between Ms. Eberle and myself on July 16, 1996.

- Concerning the replacement of deteriorated well boxes, the well boxes over MW-2 and MW-4 were removed and new ones installed on July 9, 1996.
- The possible typo in the BTS "1st Quarter 1996 Monitoring at 9-0121" report was found not to exist. The Cumulative Table for MW-2 showing identical Ground Water Elevations two quarters in a row is actually correct. The calculation of the Ground Water Elevation for a well containing Separate Phase Hydrocarbons (SPH) includes a factor based on the SPH thickness. In this case, although the Depth To Water changed from one quarter to the next, the SPH thickness varied as well and both calculations, coincidentally, produced the same Ground Water Elevation.
- The raised Detection Limits (DL's) for the TPH Gas/BTEX analysis on MW-4 from the February 2, 1996 event are due to MTBE interference. Specifically, per Peggy Penner of Sequoia Analytical, MW-4's TPH Gas/BTEX DL's "had to be elevated due to the high level of MTBE in the sample."

Please call if you have any questions.

Sincerely,



Francis Thie  
Senior Project Coordinator

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

June 28, 1996  
STID 3628  
page 1 of 2

Attn: Phil Briggs  
Chevron USA Inc.  
PO Box 5004  
San Ramon CA 94583-0804

RE: Chevron station #90121, 3026 Lakeshore Ave., Oakland CA 94610

Dear Mr. Briggs,

Since my last letter to Chevron, dated August 4, 1995, the following documents have been received in this office:

- 1) "2nd Quarter 1995 Monitoring at 9-0121" report, prepared by Blaine Tech Services Inc. (BTS), dated 7/28/95, under Chevron cover letter dated 8/29/95;
- 2) "3rd Quarter 1995 Monitoring at 9-0121" report, prepared by Blaine Tech Services Inc. (BTS), dated 11/3/95, under Chevron cover letter dated 12/3/95;
- 3) "4th Quarter 1995 Monitoring at 9-0121" report, prepared by Blaine Tech Services Inc. (BTS), dated 1/11/96, under Chevron cover letter dated 2/12/96;
- 4) facsimile transmittal from yourself, dated 5/8/96, re SIR reports for Jan, Feb, and March 1996;
- 5) facsimile transmittal from yourself, dated 5/17/96, including your 5/17/96 letter, 5/13/96 letter from BTS, and "1st Quarter 1996 Monitoring at 9-0121" report dated 4/1/96 and prepared by BTS; and
- 6) original copy of the "1st Quarter 1996 Monitoring at 9-0121" report prepared by BTS, dated 4/1/96, under your original cover letter dated 5/17/96.

Due to the continued presence of free product in MW2 ranging from depths of 0.38 to 0.75 feet in thickness, I arranged to be present onsite on 6/25/96 during the quarterly sampling event. I met BTS representative Lad Olver onsite, and we noted 0.47 feet of free product in MW2; there was a strong gasoline odor from this 1/2" diameter well. I noted that several well box covers were not secure, due to damage and rust. Bolts could not be placed due to breakage in the part that holds the bolts. Water and debris such as decaying leaves were found inside several well boxes, including MW2. The water level in some of the well boxes was at the level of the well cap, while in others it was above the well cap. It is possible that water and/or gasoline runoff is entering

June 28, 1996  
STID 3628  
page 2 of 2  
Attn: Phil Briggs

some of the wells, particularly the wells where the water was at the level of the well cap. In addition, the well cap did not appear watertight in MW2. I took 3 photos, but they did not come out very well. **You are requested to repair or replace the damaged well boxes within 60 days, or by August 28, 1996. Please document this work in the subsequent quarterly report, or in a separate letter report.**

In addition, please note that there is a typo in the "1st Quarter 1996 Monitoring at 9-0121" report prepared by BTS, on page 2 of the tabulated data. This is the data for MW2. Although the depth to water varies for the 2/28/96 and 12/19/95 events, the groundwater elevation is identical. **Please correct this error on your next quarterly report.**

Lastly, you are requested to continue removing free product on a quarterly basis, when encountered.

Please contact me at 510-567-6761 if you have any questions.

Sincerely,



Jennifer Eberle  
Hazardous Materials Specialist

cc: James Keller, Blaine Tech Services, Inc., 985 Timothy Dr., San Jose CA 95133  
Tom Peacock/file

je.3628-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 Chevron 90121 Today's Date 6/25/96

Site Address 3026 Lakeshore 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

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

9:55 arrived onsite.

**Comments:**

Met Lad Olver of BTS. Went to MW2. He used a sounder (water level meter) + measured 4.29' DTW (or depth to liquid). He thought he could measure thickness of FP by observing gasoline on the probe, but gasoline is too light in color to discern the difference. Since the casing is ~1/2" diameter, an interface probe will not fit in. Did it again + got 0.47' of Free Product. The sounder beeps when it hits water, not FP. Strong gasoline odor. There was a lot of water (with sheen) + old leaves/debris in the well box. The well box cover was not secure (no bolts).

10:36 left site

Contact Lad Olver

Title BTS

Signature Lad Olver

Inspector Jennifer Eberle

Signature J Eberle

II, III



**BLAINE  
TECH SERVICES INC.**

985 TIMOTHY DRIVE  
SAN JOSE, CA 95133  
(408) 995-5535  
FAX (408) 293-8772

May 13, 1996

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

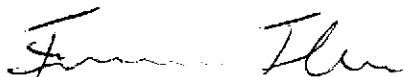
ENVIRONMENTAL  
PROTECTION  
96 MAY 20 AM 8:34

Re: Amendment To Report Table Concerning Separate-Phase Removal Column For Chevron  
9-0121

Dear Mr. Briggs,

The values reported for this and past events concerning Separate Phase Hydrocarbon (SPH) Removal have been amended so that the volume removed is shown to one one-thousandth of a gallon. All future data will be reported similarly.

Sincerely,



Francis Thie  
Project Coordinator



**Chevron**

February 12, 1996

**Chevron U.S.A. Products Company**  
6001 Bollinger Canyon Rd., Bldg. L  
P.O. Box 5004  
San Ramon, CA 94583-0804

**Mark A. Miller**  
SAR Engineer  
Phone No. 510 842-8134  
Fax No. 510 842-8252

Ms, Jennifer Eberle  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Re: Chevron Service Station #9-0121**  
**3026 Lakeshore Avenue, Oakland, CA**

Dear Ms. Eberle:

Enclosed is the Fourth Quarter 1995 Groundwater Monitoring report dated January 11, 1996, prepared by our consultant Blaine Tech Services, Inc. for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G), total petroleum hydrocarbons as diesel (TPH-D), and BTEX.

Benzene was detected in monitor wells MW-1, MW-3, and MW-4 at concentrations of 930, 580, and 520, respectively. MTBE was also detected in wells MW-1, MW-4 and MW-5. ~~Separate phase hydrocarbons were present in MW-2 at a measured thickness of 0.6 feet.~~ Approximately 0.01 gallons of separate phase hydrocarbons were removed by hand bailing. Depth to ground water was measured at approximately 3.0 to 12.6 feet below grade and the center of the site appears to be a high point with ground water flow direction to the west and east.

The Remediation Feasibility Study dated October 4, 1993, prepared by our consultant Pacific Environmental Group, recommended implementing Alternative Points of Compliance (Containment Zones) at this site. Based on the detection of MTBE in ground water we feel it is inappropriate to implement Containment Zones at this time.

Chevron will continue to monitor and sample all wells at this site on a quarterly basis to determine what impact the recent detection of MTBE may have on ground water. ~~SPH will continue to be removed from MW-2 on a quarterly basis when present.~~ We will closely evaluate all new data to determine if additional activities are warranted. If you have any questions or comments, please feel free to contact me at (510) 842-8134.



Ms, Jennifer Eberle  
February 12, 1996  
Page 2

Sincerely,  
CHEVRON U.S.A. PRODUCTS COMPANY

A handwritten signature in black ink, appearing to read "Mark A. Miller", written in a cursive style.

Mark A. Miller  
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. S.A. Willer



**Chevron**

December 3, 1995

**Chevron U.S.A. Products Company**

6001 Bollinger Canyon Rd., Bldg. L  
P.O. Box 5004  
San Ramon, CA 94583-0804

**Mark A. Miller**

SAR Engineer  
Phone No. 510 842-8134  
Fax No. 510 842-8252

Ms. Jennifer Eberle  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Re: Chevron Service Station #9-0121  
3026 Lakeshore Avenue, Oakland, CA**

Dear Ms. Eberle:

Enclosed is the Third Quarter 1995 Groundwater Monitoring report dated November 3, 1995, prepared by our consultant Blaine Tech Services, Inc. for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G), total petroleum hydrocarbons as diesel (TPH-D), and BTEX. Selected samples were also analyzed for MTBE.

Benzene was detected in monitor wells MW-1, MW-3, MW-4, and MW-6 at concentrations of 1500, 78, 64, and 1.1 ppb, respectively. MTBE was also detected in wells MW-1, MW-3 and MW-4. **Separate phase hydrocarbons were present in MW-2 at a measured thickness of 0.75 feet.** Approximately 0.01 gallons of separate phase hydrocarbons were removed by hand bailing. Depth to ground water was measured at 4.3 to 11.9 feet below grade and the center of the site appears to be a high point with ground water flow direction to the west and east.

The Remediation Feasibility Study dated October 4, 1993, prepared by our consultant Pacific Environmental Group, recommended implementing Alternative Points of Compliance (Containment Zones) at this site. Based on the detection of MTBE in ground water we feel it is inappropriate to implement Containment Zones at this time.

Chevron will continue to monitor and sample all wells at this site on a quarterly basis to determine what impact the recent detection of MTBE may have on ground water. **SPH will continue to be removed from MW-2 on a quarterly basis when present. We will closely evaluate all new data to determine if additional activities are warranted.** If you have any questions or comments, please feel free to contact me at (510) 842-8134.



Ms, Jennifer Eberle  
December 3, 1995  
Page 2

Sincerely,  
CHEVRON U.S.A. PRODUCTS COMPANY



Mark A. Miller  
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. S.A. Willer

ALAMEDA COUNTY  
HEALTH CARE SERVICE  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

August 4, 1995  
STID 3628

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: Mark Miller  
Chevron USA Inc.  
PO Box 5004  
San Ramon CA 94583-0804

RE: Chevron station #90121, 3026 Lakeshore Ave., Oakland CA 94610

Dear Mr. Miller,

I am in receipt of the "1st Quarter 1995 Monitoring at 9-0121" report, prepared by Blaine Tech Services, Inc. (BTS). This report documents groundwater monitoring and sampling conducted on 3/24/95. It was noted that well MW-2 had 0.6 feet of free, floating product during this sampling event. This represents a rather abrupt increase in floating product.

The BTS report provided no explanation for this increase. Although the groundwater elevations (GWEs) increased in all the wells (except MW6), GWE only increased 0.5 feet in MW2. Your consultant should provide an explanation for significant changes in subsurface conditions. This should be done by way of a discussion section. If certain steps need to be taken as a result of significant changes in subsurface conditions, then recommendations should be included as part of your consultant's report. This is standard procedure for environmental consultants.

**In this case, the free product should be removed; hand-bailing is acceptable at this point.** This well should be checked for free product weekly, and free product should be removed when encountered. Records should be kept which include the date, time, thickness of free product, and amount removed. The free product thus removed should be kept in a DOT-approved container, labeled appropriately, sealed, and properly stored.

Please update me on subsurface conditions encountered when groundwater was (presumably) again sampled in June 1995. Please contact me at 510-567-6761 if you have any questions.

Sincerely,

Jennifer Eberle  
Hazardous Materials Specialist

cc: James Keller, Blaine Tech Services, Inc., 985 Timothy Dr., San Jose CA 95133  
Tom Peacock/file

je.3628

STATE WATER RESOURCES CONTROL BOARD  
DIVISION OF CLEAN WATER PROGRAMS  
2014 T STREET, SUITE 130  
P.O. BOX 944212  
SACRAMENTO, CALIFORNIA 04244-2120  
(916) 227-4307  
(916) 227-4530 (FAX)

01-0356



June 16, 1995

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

**UNDERGROUND STORAGE TANK CLEANUP FUND PROGRAM, NO RESPONSE TO LETTER OF COMMITMENT (LOC): CLAIM NUMBER 005992; FOR SITE ADDRESS: 3026 Lakeshore Avenue, Oakland, CA 94610**

It has come to my attention that the LOC issued to you on **December 7, 1994** in the amount of **\$90,000** has not been responded to with a request for reimbursement.

Please submit your reimbursement request with all of the required supporting documentation, or a written explanation as to the status of the cleanup and why you have not requested reimbursement to date. If a request or adequate explanation is not received within thirty (30) calendar days from the date of this letter, I will take steps to begin the withdrawal process of your LOC.

Please send your reimbursement request or explanation to:

Francine Aguirre, Team Leader Claim No. 005992  
State Water Resources Control Board  
Division of Clean Water Programs  
Underground Storage Tank Cleanup Fund Program  
P. O. Box 944212  
Sacramento, CA 94244-2120

If you have any questions, please contact Cheryl Gordon at (916) 227-4539.

Sincerely,

*Cheryl Gordon for*

Francine Aguirre, Team Leader  
Regions 1 and 2  
Underground Storage Tank Cleanup Fund

cc: California Regional Water Quality  
Control Board, San Francisco Bay Region  
Attn: S. Morse  
2101 Webster Street, Suite 500  
Oakland, CA 94612

STATE WATER RESOURCES CONTROL BOARD  
DIVISION OF CLEAN WATER PROGRAMS  
2014 T STREET, SUITE 130  
P.O. BOX 944212  
SACRAMENTO, CALIFORNIA 04244-2120  
(916) 227-4307  
(916) 227-4530 (FAX)



# 3628  
(JE)

June 16, 1995

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

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Francine Aguirre, Team Leader Claim No. 005992  
State Water Resources Control Board  
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Underground Storage Tank Cleanup Fund Program  
P. O. Box 944212  
Sacramento, CA 94244-2120

If you have any questions, please contact Cheryl Gordon at (916) 227-4539.

Sincerely,

*Cheryl Gordon for*

Francine Aguirre, Team Leader  
Regions 1 and 2  
Underground Storage Tank Cleanup Fund

cc: California Regional Water Quality  
Control Board, San Francisco Bay Region  
Attn: S. Morse  
2101 Webster Street, Suite 500  
Oakland, CA 94612



## STATE WATER RESOURCES CONTROL BOARD

DIVISION OF CLEAN WATER PROGRAMS

2014 T STREET, SUITE 130

P.O. BOX 944212

SACRAMENTO, CALIFORNIA 94244-2120

(916) 227-4307

(916) 227-4530 FAX

JAN 09 1995



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

UNDERGROUND STORAGE TANK CLEANUP FUND, CLAIM NO. 005992, FOR SITE ADDRESS: 3026 Lakeshore Avenue, Oakland, CA 94610

The State Water Resources Control Board (SWRCB) takes pleasure in issuing the attached Letter of Commitment in an amount not to exceed \$90,000. This Letter of Commitment is based upon our review of the corrective action costs incurred to date and your application received on January 17, 1992 and may be modified by the SWRCB in writing by an amended Letter of Commitment.

The SWRCB will take steps to withdraw this Letter of Commitment after 90 calendar days from the date of this transmittal letter unless you proceed with due diligence with your cleanup effort. This means that you must take positive, concrete steps to ensure that corrective action is proceeding with all due speed. For example, if you have not started your cleanup effort, you must obtain three bids and sign a contract with one of these bidders within 90 calendar days. If your cleanup effort has already started and was delayed, you must resume the expenditure of funds to ensure that your cleanup is proceeding in an expeditious manner. You are reminded that you must comply with all regulatory agency time schedules and requirements. We constantly review the status of all active claims, and failure to proceed with due diligence will be grounds for withdrawal of this Letter of Commitment.

You should read the terms and conditions listed in the Letter of Commitment. Also attached you will find:

- A "Reimbursement Request Instructions" package. **You should retain this package for future reimbursement requests.** Among other information, the package includes instructions for completion of the "Reimbursement Request" form and the "Spreadsheet". These instructions must be followed when seeking reimbursement for corrective action costs incurred after January 1, 1988. Included in these instructions are samples of Reimbursement Request forms and completed Spreadsheets. Within the package also included are:
  - A "Bid Summary Sheet" to document data on bids received.
  - Recommended Minimum Invoice Cost Breakdown.
  - A "Certification of Non-Recovery From Other Sources" which must be returned before any reimbursements can be made.
- "Reimbursement Request" forms which you must use to request reimbursement of costs incurred.
- "Spreadsheet" forms which you must use in conjunction with your Reimbursement Request.
- "Vendor Data Record" (Std. Form 204) which must be completed and returned with your first Reimbursement Request.

If you have any questions regarding the Letter of Commitment or the Reimbursement Request package, please contact Blessy Torres at (916) 227-4535.

Sincerely,

Dave Deaner, Manager  
 Underground Storage Tank  
 Cleanup Fund Program

## Attachments

cc: California Regional Water Quality  
 Control Board, San Francisco Bay Region  
 Attn: S. Morse  
 2101 Webster Street, Suite 500  
 Oakland, CA 94612

Alameda County EHD  
 Attn: Tom Peacock  
 1131 Harbor Bay Pkwy, 2nd Floor  
 Alameda, CA 94502-6577

## STATE WATER RESOURCES CONTROL BOARD

DIVISION OF CLEAN WATER PROGRAMS

2014 T STREET, SUITE 130

P.O. BOX 944212

SACRAMENTO, CALIFORNIA 94244-2120

(916) 227-4307

(916) 227-4530 FAX



JAN 09 1995

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

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The SWRCB will take steps to withdraw this Letter of Commitment after 90 calendar days from the date of this transmittal letter unless you proceed with due diligence with your cleanup effort. This means that you must take positive, concrete steps to ensure that corrective action is proceeding with all due speed. For example, if you have not started your cleanup effort, you must obtain three bids and sign a contract with one of these bidders within 90 calendar days. If your cleanup effort has already started and was delayed, you must resume the expenditure of funds to ensure that your cleanup is proceeding in an expeditious manner. You are reminded that you must comply with all regulatory agency time schedules and requirements. We constantly review the status of all active claims, and failure to proceed with due diligence will be grounds for withdrawal of this Letter of Commitment.

You should read the terms and conditions listed in the Letter of Commitment. Also attached you will find:

- A "Reimbursement Request Instructions" package. You should retain this package for future reimbursement requests. Among other information, the package includes instructions for completion of the "Reimbursement Request" form and the "Spreadsheet". These instructions must be followed when seeking reimbursement for corrective action costs incurred after January 1, 1988. Included in these instructions are samples of Reimbursement Request forms and completed Spreadsheets. Within the package also included are:
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Sincerely,

Dave Deaner, Manager  
 Underground Storage Tank  
 Cleanup Fund Program

## Attachments

cc: California Regional Water Quality  
 Control Board, San Francisco Bay Region  
 Attn: S. Morse  
 2101 Webster Street, Suite 500  
 Oakland, CA 94612

Alameda County EHD  
 Attn: Tom Peacock  
 1131 Harbor Bay Pkwy, 2nd Floor  
 Alameda, CA 94502-6577

# LETTER OF COMMITMENT FOR REIMBURSEMENT OF COSTS

CLAIM NO: 005992

AMENDMENT NO: 0

CLAIMANT: Chevron U.S.A. Products Company  
CO-PAYEE: None

BALANCE FORWARD: \$0

THIS AMOUNT: \$90,000

CLAIMANT ADDRESS: Attn: Mark Miller  
P.O. Box 5004  
San Ramon, CA 94583-0804

NEW BALANCE: \$90,000

TAX ID / SSA NO.: 25-0527925

Subject to availability of funds, the State Water Resources Control Board (SWRCB) agrees to reimburse Chevron U.S.A. Products Company (Claimant) for eligible corrective action costs at Chevron USA Service Station 3026 Lakeshore Avenue, Oakland, CA 94610 (Site). The commitment reflected by this Letter is subject to all of the following terms and conditions:

1. Reimbursement shall not exceed \$90,000 unless this amount is subsequently modified in writing by an amended Letter of Commitment.
2. The obligation to pay any sum under this Letter of Commitment is contingent upon availability of funds. In the event that sufficient funds are not available for reasons beyond the reasonable control of the SWRCB, the SWRCB shall not be obligated to make any disbursements hereunder. If any disbursements otherwise due under this Letter of Commitment are deferred because of unavailability of funds, such disbursements will promptly be made when sufficient funds do become available. Nothing herein shall be construed to provide the Claimant with a right of priority for disbursement over any other claimant who has a similar Letter of Commitment.
3. All costs for which reimbursement is sought must be eligible for reimbursement and the Claimant must be the person entitled to reimbursement thereof.
4. Claimant must at all times be in compliance with all applicable state laws, rules and regulations and with all terms, conditions, and commitments contained in the Claimant's Application and any supporting documents or in any payment requests submitted by the Claimant.
5. No disbursement under this Letter of Commitment will be made except upon receipt of acceptable Standard Form Payment Requests duly executed by or on behalf of the Claimant. All Payment Requests must be executed by the Claimant or a duly authorized representative who has been approved by the Division of Clean Water Programs.
6. Any and all disbursements payable under this Letter of Commitment may be withheld if the Claimant is not in compliance with the provisions of Paragraph 5 above.
7. Neither this Letter of Commitment nor any right thereunder is assignable by the Claimant without the written consent of the SWRCB. In the event of any such assignment, the rights of the assignee shall be subject to all terms and conditions set forth in this Letter of Commitment and the SWRCB's consent.
8. This Letter of Commitment may be withdrawn at any time by the SWRCB if completion of corrective action is not performed with reasonable diligence.

IN WITNESS WHEREOF, this Letter of Commitment has been issued by the SWRCB this 7th day of December, 1994.

STATE WATER RESOURCES CONTROL BOARD

BY [Signature]  
Manager, Underground Storage Tank Cleanup Fund Program

BY [Signature]  
Chief, Division Administrative Services

STATE USE :  
CALSTARS CODING :  
0550 - 569.02 - 30530

\$ \_\_\_\_\_

53  
3608

## DETAILED REVIEW CHECKLIST

CLAIM NO.: 6992	REGION: 2	COUNTY: Alameda	CODE: 1
PRIORITY ASSIGNED: D	LEAD AGENCY AND CONTACT PERSON: Alameda County LOP Jenifer Eberle		
CURRENT RANK:	CONTACT PERSON: Jenifer Eberle		
DATE REVIEWED: 6-3-94	PHONE NO.:		
REVIEWER: BT			

SITE NAME: Station # 9-021

SITE ADDRESS: 3026 Lakeshore Ave., Oakland, CA 94610

CLAIMANT INFORMATION	ACC.	REJ.	HOW INFORMATION WAS VERIFIED
----------------------	------	------	------------------------------

<b>I. Claimant Identification</b>			
1. Claimant is/was the owner and/or operator of the leaking UST?	✓		owner
2. Have all applicable past and current UST owners/operators been identified?	✓		
3. All required tax ID numbers provided?	✓		
4. Date site/tanks acquired verified?	✓		

<b>II. Statement of Costs</b>			
1. Valid third party claim?	✓		n/a
2. Claimed corrective action costs exceed \$10,000?	✓		

<b>III. Joint Claimant</b>			
1. Joint Claimant is an owner and/or operator?	✓		n/a
2. Tax ID number provided?	✓		
3. Joint Claimant's priority class verified?	✓		

<b>IV. Co-Payee</b>			
1. Tax ID No. provided?	✓		
2. Mailing address/phone no. provided?	✓		

<b>V. Contamination Site/Occurrence Description*</b>			
1. Description of tank and use verified?	✓		
2. Registered farm tank?	Yes	No	n/a
3. Leaking tank contained eligible substance?	✓		
4. Is there any evidence that the UAR was the result of a spill, overfill or gross negligence?	✓		none indicated in County files.
5. If claimant submitted more than one claim for the site, each claim is for a separate occurrence?	✓		n/a
6. Site map provided?	✓		

<b>VII. Priority Class Worksheet</b>			
1. Claimant's priority verified?	✓		D
2. Claimant was both the owner and operator at time of leak discovery?	Yes	No	
3. Claimant is the current owner and operator?	Yes	No/NA	
4. If either question = No, other party(s) priority class was verified?	✓		n/a - clmnt is D

<b>VIII. Priority Class Designation</b>			
<b>A. Priority Class A</b>			
Residential Motor Fuel Tanks			
1. UST located at the residence of a person and property zoned residential use only at time of leak discovery?			
2. UST located at property improved by an owner-occupied single family dwelling or duplex at time of leak discovery?			
3. UST was not used for agricultural purposes or for resale on or after 1/1/85?			
OR			
Residential Small Home Heating Oil Tanks			
4. UST located at the residence of a person at time of leak discovery?			
5. UST located at property improved by an owner-occupied single family dwelling or duplex at time of leak discovery?			
6. UST has a capacity of 1,100 gallons or less?			
7. UST is used only to store home heating oil for consumptive use on property?			
8. UST was not located on agricultural property on or after 1/1/85?			

DETAILED REVIEW CHECKLIST - CONT'D PAGE 2

CLAIM NO. 5992

LOCAL AGENCY NO. STID 3628

CLAIMANT INFORMATION	ACC. REJ.	HOW INFORMATION WAS VERIFIED
<b>B. Priority Class B</b> Financial Review Team has determined that the claimant qualifies for Priority Class B.	✓	n/a
<b>C. Priority Class C</b> Financial Review Team has determined that the claimant qualifies for Priority Class C.	✓	n/a
<b>IX. Eligibility Requirements*</b>		
1. UAR reporting requirements satisfied and date release discovered verified?	✓	10/26/84 per Rls. Rept.
2. If property acquired after 1/1/84, claimant exercised due diligence or previous owner was eligible?	✓	n/a
3. Claimant either had or applied for a permit by 1/1/90, or was able to substantiate why not obtained?	✓	Leaking UST replaced in 1980 1988 permit OK
4. UST is not grossly out of compliance with permit requirements?	✓	Permitted through 1998
5. Claimant was required to initiate corrective action?	✓	7/2/91 ltr from County
6. If claimant discovered UAR prior to 1/1/88 required corrective action was initiated on or before 6/30/88?	✓	No directive given prior to 1/1/88.
7. Corrective action is in compliance with regulatory requirements?	✓	SEE PAGE 3 OF CHECKLIST
8. Claimant is in compliance with financial responsibility requirements?	✓	
<b>X-XII. Certifications/Agreements/Statements/Verification</b>		
1. Claim contains original signatures of all claimants and joint claimants?	✓	
2. Required documentation was submitted for authorized representative?	✓	

PROBLEM AREAS AND ANY ADDITIONAL COMMENTS

check for current permit : OK

Directive before 1/1/88? No directive

\* Compliance with requirements for items listed in Section V. (Contamination Site/Occurrence Description) and Section IX. (Eligibility Requirements) may require lead agency confirmation. Any items that cannot be verified through the applicant and which will require lead agency review and confirmation, should be highlighted for further review. In all cases lead agency confirmation of corrective action compliance will be required.



Claim No. 5992  
Date of Review: 6/3/94

STID No. 3628

Corrective Action Compliance Documentation

<u>Date</u>	<u>Action Required/Response</u>
4/25/90	Well Sample Lab Analysis Results submitted by Groundwater Tech.
5/16/90	Proposed assessment of groundwater contamination off-site submitted by Groundwater Tech.
6/13/90	Alameda ltr to claimant - county is now the lead agency overseeing the remediation.
6/25/90	Workplan describing the proposed well-point survey submitted by Groundwater Tech.
8/9/90	Consultant ltr to Alameda responding to Alameda's 7/23/90 letter regarding additional well-point locations.
3/8/91	Consultant ltr to Alameda fully describing the proposed well design.
4/10/91	Proposed Well Placement submitted by Groundwater Tech.
4/25/91	Destruction of 5 GW MW's and 3 GW extraction wells submitted by Groundwater Tech.
6/4/91	Alameda ltr to claimant - several elements of above workplan needs some clarification.
6/10/91	Alameda ltr to claimant - still have some concerns regarding revised workplan.
6/25/91	Addendum to workplan submitted by Groundwater Tech.
7/22/91	Alameda ltr to claimant - workplan is conditionally approved.
10/18/91	Well Installation Report submitted by claimant.
1/10/92	Status report for routine groundwater monitoring submitted by claimant.

3/2/92 Workplan for additional site assessment submitted by claimant

8/10/92 Environmental Assessment Report submitted by claimant.

8/20/92 Alameda ltr to claimant - continue to monthly groundwater measurements for twelve consecutive months.

9/14/92 Claimant ltr to Alameda - Chevron agrees to a minimum of 3 months of monthly groundwater elevation measurements. Chevron will continue monthly measurements if necessary.

11/23/92 Groundwater Monitoring and Sampling report submitted by claimant.

2/24/93 Alameda ltr to claimant - Submit remediation workplan by 4/8/93.

2/27/93 Groundwater Monitoring and Sampling report submitted by claimant.

4/9/93 Claimant ltr to Alameda confirming extension of deadline to 5/7/93.

5/11/93 Groundwater Monitoring and Sampling report submitted by claimant.

7/13/93 Scope of work and implementation schedule for preparation of remediation feasibility study submitted by claimant.

8/19/93 Groundwater monitoring and sampling report submitted by claimant.

10/4/93 Remedial Feasibility Study submitted by claimant.

11/26/93 " " " " " "

4/14/94 Groundwater Monitoring and Sampling report submitted by claimant.





**Chevron U.S.A. Products Company**

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

April 9, 1993

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

**Re: Chevron Service Station #9-0121  
3026 Lakeshore Avenue, Oakland, CA**

Dear Ms. Eberle:

This letter is written pursuant to our telephone conversation of April 8, 1993, confirming that Alameda County Health Care Services has agreed to extend the deadline for submittal of a remediation work plan from April 8, 1993, until May 7, 1993, for the above referenced site. The request for additional time will allow for the development of a more deliberate work plan.

As we discussed, I will be meeting with all the Chevron environmental engineers who handle sites in northern California on April 27, 1993, to discuss some of our more difficult sites. This site is one which I would like to present to our group to obtain input from the groups' collective experiences. Subsequent to this meeting, a work plan will be forwarded for your review and formal concurrence.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Very truly yours,  
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller  
Site Assessment and Remediation Engineer

cc: Mr. Rich Hiatt, RWQCB - Bay Area  
Mr. S.A. Willer  
File (9-0121 LTR2)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY



DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

February 24, 1993  
STID 3628

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 USA  
PO Box 5004  
San Ramon CA 94583-0804

RE: Chevron Station #90121  
3026 Lakeshore Ave.  
Oakland CA 94610

Dear Mr. Miller,

We are in receipt of your cover letter dated 11/23/92, and the accompanying quarterly report, prepared by Groundwater Technology, Inc., dated 11/12/92. Please note that I am now the County contact person for this site.

As you are aware, dissolved groundwater concentrations as high as 3,500 ppb TPH-g and 1,700 ppb benzene exist at this site. Floating product was also detected in MW2 during this quarter. It was noted that higher method detection limits were used for MW6 for TPH-g (250 ppb) and BTEX (2.5 ppb). Please provide an explanation for this.

You mentioned in your cover letter that this site will now be evaluated for appropriate corrective actions. I would like to encourage this process by providing you with a deadline for submittal of a remediation workplan of **45 days, or by April 8, 1993.**

Lastly, we request that you submit the results of the December 1992 quarterly groundwater sampling **within 15 days, or by March 11, 1993.**

If you have any questions, please contact me at 510-271-4530.

Sincerely,

A handwritten signature in cursive script that reads "J. Eberle".

Jennifer Eberle  
Hazardous Materials Specialist

cc: Sandra Lindsey, Groundwater Technology, Inc., 4057 Port  
Chicago Highway, Concord CA 94520  
Rich Hiatt, RWQCB

~~Ed Howell/FILE~~ *EBA*

je



**Chevron U.S.A. Products Company**

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

92 SEP 22 11:08

September 14, 1992

Ms. Susan Hugo  
Alameda County Health Care Services  
Department of Environmental Health  
80 Swan Way, Room 200  
Oakland, CA 94621

3628

**Re: Chevron Service Station #9-0121  
3026 Lakeshore, Oakland**

94610

Dear Ms. Hugo:

Chevron has received your letter dated August 20, 1992, summarizing my August 19, 1992, phone conversation with Jennifer Eberle regarding the above referenced site.

The product recovery system and plastic liner at this site were installed in 1980. The system operated until 1982 when the heavy rains caused groundwater to rise above the screened interval of the wells, rendering the system ineffective. The system was turned off and never activated again. All wells on the site were properly abandoned in July of 1991, due to damage incurred during reconstruction activities. Four 3/4" groundwater monitor wells (MW-1 through MW-4) were installed in August, 1991. Four 2" off-site groundwater monitor wells (MW-5 through MW-8) were installed with MW-1 being replaced with a 4" monitor well in June of 1992

After the sampling event occurring on June 23, 1992, monitor well MW-2 was found to contain 0.02 feet of free product. All tanks and lines were tested tight in September of 1991. In compliance with Jennifer Eberle's request, Chevron will bail this well weekly for three months, provided enough free product exists. Weekly bailing will be modified to a monthly schedule for the three month period if there is not enough free product to bail. Given that this is a 3/4" monitor well, a large recovery is not anticipated.

→ how about every 2 wks.?

You have requested that Chevron measure groundwater elevations at the site on a monthly basis for a period of one year due to the variability of groundwater flow direction. The off-site wells which were recently installed should greatly assist in accurately determining groundwater flow direction. The discrepancy found in monitor wells MW-3 and MW-8 indicates a possible perched zone occurring on-site, or may be attributable to the 7' diameter storm sewer running along the southeast boundary of the site. Chevron agrees to a minimum of three months of monthly groundwater elevation measurements. If groundwater flow direction is not adequately determined after three months, Chevron will continue monthly measurements for a period of up to one year.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Very truly yours,  
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller  
Site Assessment and Remediation Engineer



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 20, 1992

STID 3628

Mark Miller  
Chevron USA  
PO Box 5004  
San Ramon CA 94583-0804

RE: Chevron Station 90121  
3026 Lakeshore Ave.  
Oakland CA 94610

Dear Mr. Miller,

We are in receipt of the Environmental Assessment Report (EAR) dated 7/31/92, prepared by Groundwater Technology, Inc. As you are aware, four borings were advanced and completed into groundwater monitor wells (MW-5 through MW-8).

This letter will confirm the telephone conversation of 8/19/92 between yourself and Jennifer Eberle of this office. You explained that the recovery system consisting of monitoring wells along the side of the Diocese building had been destroyed. In response to complaints of fuel vapors at the Diocese building, a plastic liner approximately 15 feet in depth was installed along the edge of this building to prevent the possible migration of gasoline and/or diesel vapors.

Since there is 0.02 feet of floating product (MW-2), J. Eberle requested weekly bailing of this well. You agreed to weekly bailing unless there is not enough free product to bail. You agreed to report these findings in three months.

As per the cover letter to the EAR report, Chevron recommends monthly groundwater level measurements for three consecutive months to confirm groundwater flow direction and gradient. We agree with this recommendation, and furthermore request that you continue monthly groundwater level measurements for twelve consecutive months. The reasons for this request are 1) the inconsistent flow directions measured over the past year, and 2) the complex topography at the site. This information will prove invaluable in understanding the hydrogeology controlling the distribution of contaminants from their source, and the best way to remediate the site.

Mark Miller  
STID 3628  
Page 2 of 2  
August 20, 1992

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

Sincerely,

*Susan L. Hugo*

Susan Hugo  
Senior Hazardous Materials Specialist

cc: Sandra L. Lindsey, Groundwater Technology, Inc., 4057 Port  
Chicago Highway, Concord CA 94520  
Rich Hiatt, RWQCB  
Edgar Howell/File

je

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

StID# 3628

May 11, 1992

Nancy Vukelich  
Site Assessment and Remediation Engineer  
Chevron U.S.A Products Company  
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

Re: **Workplan, Chevron #9-0121 3026 Lakeshore Ave., Oakland 94610**

Dear Ms. Vukelich:

Britt Johnson, Hazardous Materials Specialist, has reviewed the workplan proposed by your consultant, dated March 2, 1992. In this workplan you propose to install 4 additional monitoring wells at off site locations and replace MW-1 with a 4 inch well suitable for groundwater recovery. Your workplan is approved subject to the following conditions:

- 1) The site Health and Safety Plan must provide for vapor monitoring while site work is underway. Respiratory protection must be worn if it appears that Cal-OSHA permissible exposure limits (PELs) will be exceeded.
- 2) Drilling spoils and purged water from sampling activities must be properly labeled and characterized. If it is determined that either are hazardous waste they must be transported to a proper disposal facility within 90 days from the date of generation.
- 3) Please notify Britt Johnson 48 hours in advance of drilling the monitoring wells and he will attempt to be present at that time.

Please contact Britt Johnson at (510) 271-4320 if you have any questions.

Sincerely,

Paul M. Smith  
Senior Hazardous Materials Specialist

CC: Rich Heitt, RWQCB  
Howard Hatayama, Cal-EPA DTSC

FILE

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



July 22, 1991

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

Ms. Nancy Vukelich  
Chevron U.S.A Inc.  
2410 Camino Ramon  
P.O. Box 5004  
San Ramon, CA 94583-0804

**Re: Chevron Station # 9-0121, 3026 Lakeshore Avenue, Oakland,  
CA 94612**

Dear Ms. Vukelich,

Alameda County Environmental Health Department, Hazardous Materials Division has received and reviewed the initial proposal dated March 3, 1991 and also the Monitoring Well Installation Addendum dated June 25, 1991 prepared by Groundwater Technology, Inc. (GTI) outlining the installation of four 3/4-inch monitoring wells at the above site.

The work plan is hereby approved; however, you are requested to meet the following additional requirements:

- 1 Prior to monitoring well installations you are requested to have your consultant notify this office of the date that the work is scheduled so that, if possible, an individual from this office can be present to view the monitoring well installation.
- 2 You are requested to monitor ground water elevations and collect analytical data monthly for the first three months in order to determine the efficacy of the 'mini' well approach. When reporting the ground water data please specify the water volumes of purge water pumped prior to sampling.
- 3 A stainless steel bailer is to be used when sampling the monitoring wells. This was discussed in a telephone conversation with Glen Mitchell of Groundwater Technology, Inc. and myself.
- 4 The analytes sought in all monitoring wells are Total Petroleum Hydrocarbons as gas (TPHg), Total Petroleum Hydrocarbons as diesel (TPHd), and benzene, toluene, xylene, and ethylbenzene (BTX&E).

All copies of reports relating to the remediation at the above site should be sent to the Regional Water Quality Control Board (RWQCB):

Attention: Lester Feldman  
SFRWQCB  
2101 Webster Street, Suite 500  
Oakland, CA 94612

Ms. Nancy Vukelich  
3026 Lakeshore Avenue  
Page 2

If you have any questions with regard to the content of this letter  
please contact me at 415/ 271-4320.

Sincerely,

*Paul M. Smith*

**Paul M. Smith**  
Hazardous Materials Specialist

cc:

Glen Mitchell, GTI  
Lester Feldman, SFRWQCB

*PK*



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



July 22, 1991

*changes*  
*Lead = L*

*01*

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

*PH*

JUL 25 1991

Ms. Nancy Vukelich  
Chevron U.S.A Inc.  
2410 Camino Ramon  
P.O. Box 5004  
San Ramon, CA 94583-0804

**Re: Chevron Station # 9-0121, 3026 Lakeshore Avenue, Oakland,  
CA 94612**

Dear Ms. Vukelich,

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- 3 A stainless steel bailer is to be used when sampling the monitoring wells. This was discussed in a telephone conversation with Glen Mitchell of Groundwater Technology, Inc. and myself.
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All copies of reports relating to the remediation at the above site should be sent to the Regional Water Quality Control Board (RWQCB):

Attention: Lester Feldman  
SFRWQCB  
2101 Webster Street, Suite 500  
Oakland, CA 94612

Ms. Nancy Vukelich  
3026 Lakeshore Avenue  
Page 2

If you have any questions with regard to the content of this letter  
please contact me at 415/ 271-4320.

Sincerely,

*Paul M. Smith*

Paul M. Smith  
Hazardous Materials Specialist

cc:

Glen Mitchell, GTI  
Lester Feldman, SFRWQCB

*LR*

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

June 10, 1991

Ms. Nancy Vukelich  
Chevron U.S.A Inc.  
2410 Camino Ramon  
P.O. Box 5004  
San Ramon, CA 94583-0804

**Re: Chevron Station # 9-0121, 3026 Lakeshore Avenue, Oakland,  
CA 94612**

Dear Ms. Vukelich,

Alameda County Environmental Health Department, Hazardous Materials Division has received and reviewed the initial proposal dated March 3, 1991 prepared by Groundwater Technology, Inc. (GTI) which outlined the installation of four 3/4 inch monitoring wells at the above site. After review of this initial proposal and subsequent documentation the following concerns with regard to the work plan still remain and need to be addressed prior to work plan approval:

- 1 The Regional Water Quality Control Board's guidance document the Tri-Regional Recommendations for the Investigation of Subsurface Contamination (August 1990) requires the installation of a monitoring within 10 feet in the downgradient direction of the known contamination. Upon examination of the proposed locations of the proposed wells on the site map, with consideration given to the hydraulic gradient, there is some concern as to whether the well placement as proposed would be meet this requirement.
- 2 Soil samples are required to be collected every 5 feet, when there are significant changes in lithology, or in areas of obvious contamination noted during boring advancement. The soil sampling analytes as specified by GTI in the May 20, 1991 correspondence are acceptable.
- 3 The sampling techniques used to collect soil and water samples need to be adequately addressed in a work plan revision so that samples collected are done so under proper protocols which will ensure that samples are representative of the environmental conditions at the site. Sampling protocols are specified in the State Water Quality Control Board LUFT manual, the Regional Water Quality Control Board Tri-Regional Guidelines and also Department of Health Services, Hazardous Materials Laboratory (HML) sampling manual. The sample collection techniques employed should minimize the volatilization of contaminants in both soil and water.

Ms. Vukelich  
June 10, 1991  
Page 2 of 2

- 4 Sampling ground water monitoring wells using peristaltic or air lift pumps is not acceptable. Ground water samples should be collected using means which reduce the loss of volatile compounds, such as with Teflon/stainless steel bailers, or gas-actuated positive displacement pumps. [See: Appendix A, Page. A14, SWRCB LUFT Manual, Oct. 1989 edition]
- 5 Please be certain that wells are surveyed to an established benchmark to an accuracy of 0.01 foot, and that values are referenced to mean sea level.
- 6 Please submit a ground water sampling QA/QC plan. It is recommended that the QA/QC sampling protocol include such elements as duplicate samples, and trip and equipment blanks, among others.
- 7 Please submit a Site Safety Plan. The scope of this plan must adhere to guidelines specified under Part 1910.120 (i)(2) of 29 CFR.
- 8 You are encouraged to use non-phosphate detergents (i.e., Liqui-Nox) when decontaminating sampling/purging equipment.

**Please have you consultant respond in writing to the previous list of items within 15 days of the receipt of this letter or by June 25, 1991.**

If you have any questions with regard to the content of this letter please contact me at 415/ 271-4320.

Sincerely,



**Paul M. Smith**  
Hazardous Materials Specialist

cc:

Glen Mitchell, GTI  
Lester Feldman, SFRWQCB  
Howard Hatayama, DHS  
Gil Jensen, Alameda County District Attorney's Office  
Rafat A. Shahid, Assistant Agency Director, Environmental Health

L.S.



*Paul - FYI This letter to Chevron reflects my review of that "innovative" well installation process proposal by Chevron's consultant, GTI, which*

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

June 4, 1991

Ms. Nancy Vukelich  
Chevron U.S.A. Inc.  
2410 Camino Ramon  
P.O. Box 5004  
San Ramon, CA 94583-0804

*Proposes the use of 3/4" wells,  
and continuous soil coring.  
Have you reviewed your plan for  
the Oakland site yet?*

RE: CHEVRON STATION #9-6991, 2920 CASTRO VALLEY BLVD., CASTRO VALLEY; PRELIMINARY SITE ASSESSMENT PROPOSAL

*SOS*

Dear Ms. Vukelich:

Thank you for the submittal of the April 26, 1991 Groundwater Technology, Inc. (GTI) preliminary site assessment (PSA) work plan, as submitted under Chevron cover dated April 30, 1991. The noted work plan outlines proposed actions to assess the extent of contamination and subsurface conditions at the referenced site using an innovative approach. This approach utilizes "Powercore" drilling technology, and results in the completion of small diameter (0.75 inch) monitoring wells. This technique is reportedly limited to shallow ground water conditions. Proponents of this technique claim some cost benefits as a result of reduced drilling waste production, and minimized disruption of facility operations.

Although this technique appears attractive, several elements of the submitted work plan require clarification. This work plan may be approved for this stage of the investigation provided the following issues are resolved to the satisfaction of this Department:

- 1) Discuss soil sampling techniques used to meet the requirement for collection of "undisturbed" samples. GTI SOP 14 discusses the use of standard 18 x 2 inch ID split-spoon sample barrels incorporating three 2 x 6 inch brass inserts (California type), yet the work plan indicates that steel 2 inch x 2.5 foot sampling barrels will be used, and that each barrel will, when extracted from the ground between each drive, be "...opened, [allowing] inspection of the continuous soil core sample generated." How will volatile compounds be protected from atmospheric exposure if the cores are opened for inspection? Are there brass or stainless steel liners in these core samplers?

→ This section of the work plan also indicates that the field geologist will "...select samples for laboratory analyses from the total core." How will samples be "selected?" [Note: SOP 14 discusses field screening techniques when using standard California-modified, split-spoon samplers; however, SOP 14 does not appear to pertain to the planned sampling technique. Hence, we will not assume that the topic of field screening/sample selection has been clarified.]

- 2) Soil samples collected from borings advanced in closest proximity to the fuel tank cluster and product piping are to be analyzed for total petroleum hydrocarbons as both gasoline and diesel (TPH-G/D), and the volatile compounds benzene, toluene, xylene, and ethylbenzene (BTXE). [Please note that elevated levels of TPH as both diesel and gasoline were discovered in soil during earlier work at the site in proximity to the fuel USTs and piping runs.]

Those samples collected in the boring advanced closest to the location of the former waste oil tank are to be analyzed for TPH-G/D, BTXE, total oil and grease (TOG), chlorinated hydrocarbons, metals (Cd, Cr, Pb, Zn, and Ni), and semivolatile organic compounds (PCB, PCP, PNA and creosote). These additional analyses are required by the RWQCB for samples associated with waste oil tank leaks, a number of which were not analyzed for during the first round of sampling during tank closure, although required.

The first round of water sample analyses will mimic those for soil samples. The target compounds appropriate for future water analyses will depend upon the outcome of the initial sampling episode.

For your information, the state-certified laboratory proposed by GTI, Superior Analytical Laboratories, is not presently certified to conduct a number of the required analyses.

- 3) Soil samples are to be collected every 5 feet, when there are significant changes in lithology, or in areas of obvious contamination noted during boring advancement.
- 4) Sampling ground water monitoring wells using Peristaltic or air lift pumps is not acceptable. Ground water samples should be collected using means which reduce the loss of volatile compounds, such as with Teflon/stainless steel bailers, or gas-actuated positive displacement pumps. [See: Appendix A, Pg. A14, SWRCB LUFT Field Manual, Oct. 1989 edition]
- 5) The site map should show the former location of the waste oil tank relative to that of the proposed well in this area. The location of this well should be south-southwest, and within 10 feet, of the former waste oil tank pit.

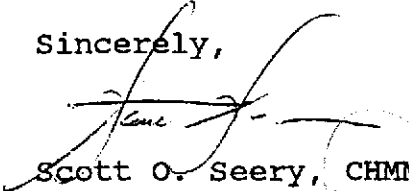
Ms. Nancy Vukelich  
RE: 2920 Castro Valley Blvd.  
June 4, 1991  
Page 3 of 3

- 6) Initial ground water data from monitoring wells located at the northwest corner of Anita Avenue and Castro Valley Blvd. indicate that the ground water flow direction at that site, as calculated from data collected December 1990, is towards the southwest. Whether this data is representative of conditions beneath the Chevron site is unclear; however, you may want to modify the proposed location of the well at the southeast corner of the site to reflect this information.
- 7) Please be certain that wells are surveyed to an established benchmark to an accuracy of 0.01 foot, and that values are referenced to mean sea level.
- 8) Please submit a ground water sampling QA/QC plan. It is recommended that the QA/QC sampling protocol include such elements as duplicate samples, and trip and equipment blanks, among others.
- 9) Please submit a Site Safety Plan. The scope of this plan must adhere to guidelines specified under Part 1910.120(i)(2) of 29CFR.
- 10) You are encouraged to use non-phosphate detergents (i.e., Liqui-Nox) when decontaminating sampling/purging equipment.

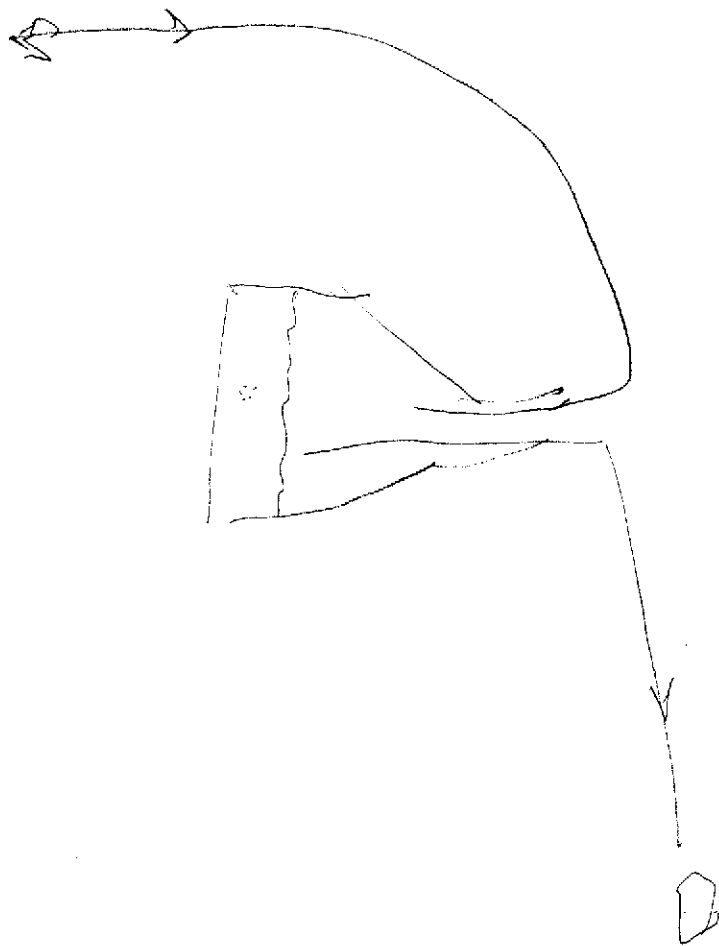
Please have your consultant respond in writing to the previous list of items within 15 days, or by June 20, 1991. The response should be in the form of an addendum to the April 26 work plan.

Please feel free to contact me at 415/271-4320 should you have any questions regarding the content of this letter.

Sincerely,

  
Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health  
Edgar Howell, Chief, Hazardous Materials Division  
Gil Jensen, Alameda County District Attorney's Office  
Lester Feldman, RWQCB  
Howard Hatayama, DHS  
Bob Bohman, Castro Valley Fire Department  
Jack Edwards  
Glen Mitchell, GTI  
files







**GROUNDWATER  
TECHNOLOGY, INC.**

91 MAY 22 11:00

4057 Port Chicago Highway, Concord, CA 94520 (415) 671-2387

FAX: (415) 685-9148

ext 294

May 20, 1991

Job No. 020301074

Mr. Paul Smith  
Alameda County Health Care Services  
Department of Environmental Health  
Hazardous Materials Program  
80 Swan Way, Room 200  
Oakland, CA 94621

RE: Soil and Water Sampling Parameters for Chevron Station #9-0121  
3026 Lakeshore Avenue, Oakland, California

Dear Mr. Smith:

As per our conversation on May 10, 1991, I am sending you this letter to detail the proposed sampling parameters for soil and groundwater samples collected during the next phase of planned site assessment at Chevron Station No. 90121. Since this site currently dispenses both gasoline and diesel-fuel, Groundwater Technology, Inc. proposes to analyze the soil and groundwater samples collected for both gasoline and diesel-fuel hydrocarbons constituents. At least one soil sample and one water sample from each well will be analyzed for total petroleum hydrocarbons (TPH)-as-gasoline, TPH-as-diesel-fuel, and benzene, toluene, ethylbenzene, and xylenes using U.S. Environmental Protection Agency (EPA) Methods 8015 and 88020. The results of these analyses will be presented in our assessment report. Data generated during this assessment will be used to make recommendations for any additional site work if such work is warranted.

If you have any questions, or require any additional information, please contact me at our Concord office, (415) 671-2387, ext. 249.

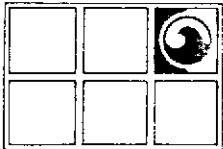
Sincerely,  
GROUNDWATER TECHNOLOGY, INC.

Glen L. Mitchell  
Project Hydrogeologist

GLM:lbn

cc: Nancy Vukelich, Chevron U.S.A. Inc.  
Sandra L. Lindsey, Groundwater Technology, Inc.

C1074A1.GM



# GROUNDWATER TECHNOLOGY, INC.

91 MAY -2 PM 2:57

4057 Port Chicago Highway, Concord, CA 94520 (415) 671-2387

FAX: (415) 685-9148

April 25, 1991

Job No. 203 175 3295

Mr. Wyman Hong  
Alameda County Flood Control and  
Water Conservation District - Zone 7  
5997 Parkside Drive  
Pleasanton, CA 94588

RE: Destruction of five groundwater-monitoring wells  
and three groundwater-extraction wells  
Chevron Service Station No. 9-0121  
3026 Lakeshore Avenue, Oakland, California

Dear Mr. Hong:

In accordance with the permit requirements of Groundwater Ordinance Permit No. 91149 issued by Zone 7 (Attachment A), this letter documents the work performed by Groundwater Technology, Inc. which included the destruction of five groundwater-monitoring wells and three groundwater-extraction wells.

On March 27, 1991, two 4-inch monitoring wells, MW-D and MW-G, were drilled out (Figure 1). The total depth of each well was approximately 20-feet below grade. In both cases, the well casings were intact when extracted. Neat cement grout was emplaced by tremie pipe to backfill the hole from approximately 20-feet below grade up to grade surface. Also, on March 27, an unsuccessful attempt was made to remove the steel casings from the 8-inch-diameter monitoring wells (MWA, MWB and MWC) and the 12-inch-diameter extraction wells (MWJ, MWI and MWH) (Attachment B).

On March 28, 1991, groundwater in the three 12-inch-diameter extraction wells (MW-J, MW-I and MW-H) and one of the 8-inch-diameter monitoring wells (MW-C), was evacuated using a vacuum water truck. Total depths of the extraction wells were approximately 10-feet below grade, and the total depth of monitoring well MW-C was 16-feet below grade. These four wells were then grouted with neat cement emplaced through a tremie pipe from the bottom of casing up to surface grade. Monitoring wells MW-A and MW-B could not be successfully evacuated or sealed with cement or bentonite due to high rates of recharge.

Mr. Wyman Hong  
April 25, 1991  
Page 2

On April 4, 1991, monitoring wells MW-A and MW-B were sealed using a relatively dry mix (#2 slump) of 12 bag/yard cement and aggregate 3/4-inch in size. The cement was allowed to free-fall into the wellbores. The total depth of these wells was approximately 15-feet below ground surface.

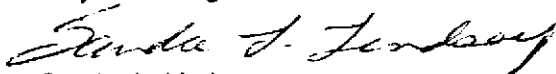
Groundwater that the concrete mix displaced from the wells was contained by using a sump pump to pump the water into a drum. Less than one gallon was displaced from monitoring well MW-B. No water was displaced from MW-A. On April 1, 1991 and April 6, 1991, a site visit was made and the wells were inspected for settling of the seal. Where necessary, posthole concrete was applied so that all eight wells were sealed to grade surface.

If you have any questions or require additional information, please contact either Sandra Lindsey or myself at (415) 671-2387.

Sincerely,  
GROUNDWATER TECHNOLOGY, INC.



Fred Hayden  
Project Geologist



Sandra L. Lindsey  
Project Manager

FH:SLL:if

Attachment(s)

cc. Ms. N. Vukelich, Chevron U.S.A. Inc.  
Mr. P. Smith, Alameda County Hazardous Materials Dept.

L3295N.FH

**LEGEND**  
⊙ MONITORING WELL

PARK

LAKE SHORE BLVD.

MacARTHUR BLVD.

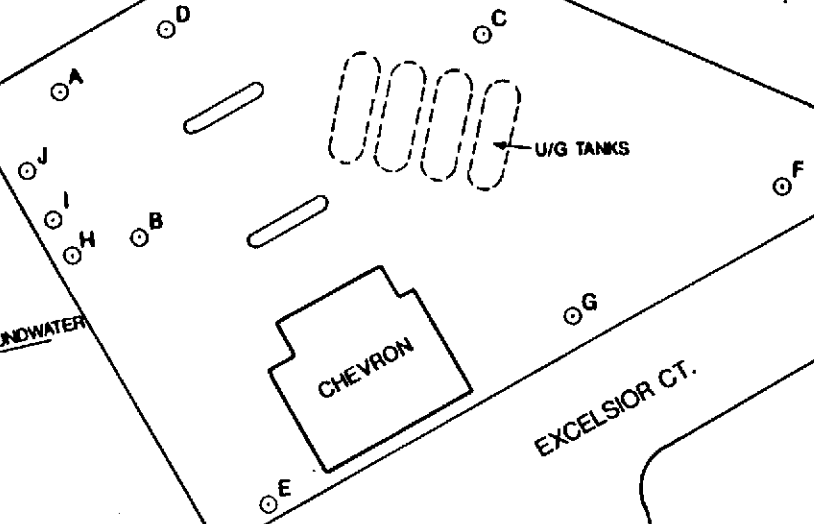
BEACON ST.

APPROXIMATE GROUNDWATER  
FLOW DIRECTION

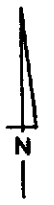
CHEVRON

EXCELSIOR CT.

U/G TANKS



0 FEET 30



CHEVRON U.S.A. 9-0121  
OAKLAND, CALIFORNIA

SITE PLAN



A SUBSIDIARY OF OWENS-CORNING FIBERGLAS

30 Lakeshore Ave  
16284 94610

91 FEB 11 AM 10:45

O/C TANKS CORPORATION ONE LEVIS SQUARE, P.O. BOX 10025, TOLEDO, OHIO 43699-0025, (419) 248-8000

February 4, 1991

Mr. Paul Smith  
Alameda County Environmental Health  
80 Swain Way, Room 200  
Oakland, CA 94621

Subject: Chevron Station #90121  
Oakland, CA 94610

Dear Mr. Smith,

O/C TANKS Field Service Technician, D. Floyd, was recently sent to Chevron Station #90121 to [REDACTED]

Mr. Floyd entered the 10,000 gallon single wall tank on January 8, 1991, and [REDACTED]

[REDACTED] Mr. Floyd then installed a 22" manway in the tank and successfully air/soap tested the exposed area of the tank.

If there are any further questions concerning the work or procedure, feel free to contact my office at 419-248-8196.

Regards,

George D. Crosby  
Field Service Manager

sh

cc: S. C. Macy  
R. T. Lawrence  
W. V. Miller  
G13018

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



June 13, 1990

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

Mr. Glen Mitchell  
Groundwater Technology  
4080 Pike Lane Suite D  
Concord, CA 94520

Re: Remediation at Chevron Station #90121, 3026 Lakeshore Ave.,  
Oakland, CA 94606

Dear Mr. Mitchell:

This letter is to confirm the conversation you had with Mr. Barney Chan from our office on June 12, 1990. In this conversation you stated that your company is now assuming the remediation at this site and that the monitoring wells currently in place were highly suspect of being improperly installed. Alameda County will be the lead agency overseeing both the soil and groundwater remediation at this site. The Regional Water Quality Control Board is currently unable to oversee the large number of contamination cases within Alameda County and has delegated the handling of these cases to our Division.

As stated in the conversation, Alameda County operates on a fee schedule. You will be charged for the Hazardous Materials Specialist's time at the rate of \$60.00/hr. This time includes review of work plans and reports and witnessing of sampling. It is therefore requested that you submit a check payable to Alameda County in the amount of \$500.00 for our oversight. Also included is the "typical" letter listing the contents of a work plan issued when a confirmed unauthorized release of hazardous material has occurred.

Please contact Barney Chan at 271-4320, should you have any questions regarding this letter.

Sincerely,

Edgar B. Howell III,  
Chief, Hazardous Materials Division

cc: Gil Jensen, Alameda County District Attorney, Consumer and  
Environmental Protection  
Rafat Shahid, Assistant Agency Director  
Lester Feldman, SFRWQCB  
Howard Hatayama, DOHS

10284

white -env.health  
yellow -facility  
pink -files

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

## Hazardous Materials Inspection Form

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

II, III

Site ID # \_\_\_\_\_ Site Name Chevron # 90121 Today's Date 6/8/90

### II.A BUSINESS PLANS (Title 19)

- \_\_\_ 1. Immediate Reporting 2703
- \_\_\_ 2. Bus. Plan Stds. 25503(b)
- \_\_\_ 3. RR Cars > 30 days 25503.7
- \_\_\_ 4. Inventory Information 25504(a)
- \_\_\_ 5. Inventory Complete 2730
- \_\_\_ 6. Emergency Response 25504(b)
- \_\_\_ 7. Training 25504(c)
- \_\_\_ 8. Deficiency 25505(a)
- \_\_\_ 9. Modification 25505(b)

Site Address 3026 Lakeshore

City Oak Zip 94610 Phone 839-3251

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

### Inspection Categories:

- \_\_\_ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- \_\_\_ II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

*Katherine Chan*

### II.B ACUTELY HAZ. MATLS

- \_\_\_ 10. Registration Form Filed 25533(a)
- \_\_\_ 11. Form Complete 25533(b)
- \_\_\_ 12. RMPP Contents 25534(c)
- \_\_\_ 13. Implement Sch. Req'd? (Y/N) \_\_\_\_\_
- \_\_\_ 14. OffSite Conseq. Assess. 25524(c)
- \_\_\_ 15. Probable Risk Assessment 25534(d)
- \_\_\_ 16. Persons Responsible 25534(g)
- \_\_\_ 17. Certification 25534(f)
- \_\_\_ 18. Exemption Request? (Y/N) 25536(b)
- \_\_\_ 19. Trade Secret Requested? 25538

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

### Comments:

1. 4 - 10,000gal UGT, U, S, R + D - inst 1980 SW, Tanks tested tight 9/28/89 FG
2. Red jacket leak detectors checked 4/14/89 on all 4 tanks. Please send our office results of your next leak detector test.
3. Reviewed daily inventory reevaluation for 1990 March, April, May



### III. UNDERGROUND TANKS (Title 23)

- |   |  |
|---|--|
| General   | ___ 1. Permit Application 25284 (H&S)      |
|   | ___ 2. Pipeline Leak Detection 25292 (H&S) |
|   | ___ 3. Records Maintenance 2712            |
|   | ___ 4. Release Report 2651                 |
|   | ___ 5. Closure Plans 2670                  |
| ___ 6. Method   |  |
| 1) Monthly Test   |  |
| 2) Daily Vadose<br>Semi-annual groundwater<br>One time soils                            |  |
| 3) Daily Vadose<br>One time soils<br>Annual tank test                                   |  |
| 4) Monthly Groundwater<br>One time soils  |  |
| 5) Daily Inventory<br>Annual tank testing<br>Cont pipe leak det<br>Vadose/gndwater mon. |  |
| 6) Daily Inventory<br>Annual tank testing<br>Cont pipe leak det                         |  |
| 7) Weekly Tank Gauge<br>Annual tank testing   |  |
| 8) Annual Tank Testing<br>Daily inventory   |  |
| 9) Other _____  |  |
| ___ 7. Precs Tank Test 2643<br>Date: _____  |  |
| ___ 8. Inventory Rec. 2644  |  |
| ___ 9. Soil Testing 2646  |  |
| ___ 10. Ground Water 2647   |  |
| ___ 11. Monitor Plan 2632   |  |
| ___ 12. Access. Secure 2634   |  |
| ___ 13. Plans Submit 2711<br>Date: _____  |  |
| ___ 14. As Built 2635<br>Date: _____  |  |

Rev 6/88

Contact: *Katherine Chan*

Title: \_\_\_\_\_

Signature: *[Handwritten Signature]*

Inspector: \_\_\_\_\_

Signature: *Barney Chan*

II, III