

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



F

February 7, 2007

Mr. Satya Sinha  
Chevron Environmental Management Co.  
P.O. Box 6012, Room K2216  
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 No. RO0000350, Chevron #9-5607, 5269 Crow Canyon Road,  
Castro Valley, CA 94546

Alameda County Environmental Health (ACEH) staff has recently reviewed the case file for the subject site including the January 8, 2007 Remedial Action Plan. The RAP proposes dual phase extraction from the existing wells, C-1, C-3, RW-1, C-6, C-9 and C-12. Curiously, the report states that the RAP was requested in the County's August 15, 2005 letter. The County letter requested this work plan be submitted by September 16, 2005. Significant delays have occurred which have prolonged this submittal to the January 2007 date. We suggest that the RAP be considered an interim RAP so as to expedite the process. We approve of the proposed RAP and hope that the system can be permitted, constructed and operational sooner than the stated Third Quarter of 2007.

#### TECHNICAL REPORT REQUEST

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

- 60 days after initiating DPE – Interim Remediation Results and Cumulative Updates in all subsequent QMRs

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

#### ELECTRONIC SUBMITTAL OF REPORTS

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. 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

Mr. Satya Sinha  
February 7, 2007  
5269 Crow Canyon Rd., Castro Valley  
Page 2 of 3

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.

#### 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.

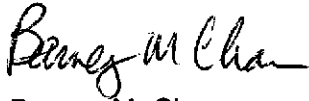
#### AGENCY OVERSIGHT

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.

Mr. Satya Sinha  
February 7, 2007  
5269 Crow Canyon Rd., Castro Valley  
Page 3 of 3

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 Environmental, 5900 Hollis St., Suite A, Emeryville,  
CA 94608

Mr. Kevin Hinckley, 5269 Crow Canyon Rd., Castro Valley, CA 94546

Ms. Dianne Riggs, Forest Creek Townhomes Assoc., c/o Walsh Property  
Management, P.O. Box 2657, Castro Valley, CA 94541

2\_7\_07 5269CrowCanyonRd

**Chan, Barney, Env. Health**

---

**To:** Genin, Laura  
**Cc:** Mark Inglis (jmark.inglis@chevrontexaco.com)  
**Subject:** RE: Fuel Leak Case No. RO0000350

Laura and Mark: Your request for an extension for the Interim Remediation/CAP and SCM is approved. I would request that interim remediation be performed on well C-3 during the interim due to the existence of FP in this well since 7/02. Perhaps, batch MPE from this well?

Thanks,  
Barney Chan  
510-567-6765

---

**From:** Genin, Laura [mailto:lgenin@cambria-env.com]  
**Sent:** Monday, December 05, 2005 10:33 AM  
**To:** Chan, Barney, Env. Health  
**Subject:** Fuel Leak Case No. RO0000350

Re: Request for Extension for Workplan Submittal Date  
Fuel Leak Case No. RO0000350,  
Chevron # 95607  
5269 Crow Canyon Road  
Castro Valley, CA 94546

Dear Mr. Chan:

Per my e-mail sent September 2, 2005 I requested a submission date of December 1, 2005 for an Interim Remediation and Corrective Action Workplan requested by you. Additionally a site conceptual model was intended to be submitted by February 1, 2006. I would like to extend these dates further. A proposed Schedule is below.

Interim Remediation and Corrective Action Workplan  
Initial Site Conceptual Model

February 1, 2006  
April 1, 2006

Sincerely,

Laura Genin  
Senior Staff Geologist  
Cambria Environmental Technology  
510-420-3367  
fax: 510-420-9170  
5900 Hollis Street, Suite A  
Emeryville, CA 94608

12/5/2005

ALAMEDA COUNTY  
HEALTH CARE SERVICES



7

AGENCY  
DAVID J. KEARS, Agency Director

August 15, 2005

Mr. Mark Inglis  
Chevron Products Co.  
P.O. Box 6012, 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. Inglis:

Subject: Fuel Leak Case No. [REDACTED] Chevron #9-5607, 5269 Crow Canyon Road,  
Castro Valley, CA 94546

Alameda County Environmental Health (ACEH) staff has recently reviewed the Two-Phase Extraction Pilot Test Report, dated July 12, 2005, prepared by Cambria for the subject site. The test was performed over a period of twelve days from two extraction wells. Results from this test were positive, with apparent successful removal of petroleum hydrocarbons from through vapor and groundwater extraction. We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below.

**TECHNICAL COMMENTS**

1. Our office is concerned with the persistent free product and elevated dissolved product on and off the subject site. Such contamination serves as a continual source for the dissolved plume, which has migrated beneath the adjacent townhomes and likely impacted the down-gradient creek. We request that you initiate interim remediation at this site using the dual phase technology previously shown to be applicable for this site and/or rehabilitate and activate the existing groundwater extraction system. Please provide your interim remediation work plan as requested below.
2. Based upon the results of the pilot test, it appears that remediation using dual phase extraction technology is appropriate for this site. However, we are concerned about the delay, which has occurred since the completion of the pilot test (10/03) and the lack of submittal of your Remedial Action Plan (RAP) work plan. Please submit your remediation work plan as requested below.
3. Although prior estimations from Chevron predicted no benzene impact to the down-gradient Crow Creek in excess of 1 ppb, we are concerned that TPHg levels exceeding ESLs may be impacting the Creek. Although a replacement wells for C-10(A&B) is pending the development of the nearby property, it appears that additional groundwater sampling along a transect including C-16 and C-15 would be appropriate to determine the impact to Crow Creek. Please consider additional groundwater sampling near Crow Creek and respond as requested below.
4. We request that you develop a Site Conceptual Model (SCM) for your site, preferably an electronic version. We discussed the elements of a SCM in the meeting at the County offices and hope you are now familiar with it and its usefulness. Please contact me should you need further explanation or guidance in its development. It is believed that the SCM will identify the release hypothesis, data gaps and streamline additional work at the site. Please submit your SCM as requested below.

### **TECHNICAL REPORT REQUEST**

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

- **September 16, 2005** - Work plan for Interim Remediation and Correction Action Plan with comments (or work plan) on/for additional down-gradient groundwater sampling.
- **October 14, 2005**- Initial SCM

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

### **ELECTRONIC SUBMITTAL OF REPORTS**

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) now request submission of reports in electronic form. The electronic copy is intended to replace the need for a paper copy and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." 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. 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 monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). Please visit the State Water Resources Control Board for more information on these requirements ([http://www.swrcb.ca.gov/ust/cleanup/electronic reporting](http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting)).

### **PERJURY STATEMENT**

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

### **PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS**

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or

Mr. Mark Inglis  
August 15, 2005, Page 3

certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

#### **UNDERGROUND STORAGE TANK CLEANUP FUND**

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

#### **AGENCY OVERSIGHT**

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

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

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: ✓ Viles, D. Drogos

Mr. Brian Busch, Cambria Environmental, 5900 Hollis St., Suite A, Emeryville, CA 94608

Mr. Kevin Hinckley, 5269 Crow Canyon Rd., Castro Valley, CA 94546

Ms. Dianne Riggs, Forest Creek Townhomes Assoc., c/o Walsh Property Management,  
P.O. Box 2657, Castro Valley, CA 94541

8\_12\_05 5289CrowCanyonRd

# C A M B R I A

February 25, 2005

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

RE: 5269 Crow Canyon Rd, Castro Valley  
ACHSCA RO#: **0000350**

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 #: 95607



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

RO0000350

September 10, 2003

Ms. Karen Streich  
Chevron Products Co.  
P.O. Box 6004  
San Ramon, CA 94583

RE: **Work Plan Approval for Former Chevron Station 9-5607 at  
5269 Crow Canyon Road, Castro Valley, CA**

Dear Ms. Streich:

I have completed review of Cambria's September 2003 *TPE Event Work Plan* prepared for the above referenced site. Cambria proposed to perform a two-phase extraction event at the site. A vacuum will be applied to Wells C-3 and C-6 over five days to extract groundwater and soil vapor. The proposed work plan is acceptable. Field work should commence within 60 days of the date of this letter, or by **November 12, 2003**. Please provide at least 72 hours advance notice of field activities.

If you have any questions, I can be reached at (510) 567-6762 or by email at [echu@co.alameda.ca.us](mailto:echu@co.alameda.ca.us)

eva chu  
Hazardous Materials Specialist

c: Donna Drogos  
email: Greg Bentley, Cambria

chevron9-5607-1

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



October 22, 2002

RO 350

Ms. Karen Streich  
Chevron Products Company  
P.O. Box 6004  
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

RE: Chevron Station # 9-5607, 5269 Crow Canyon Road, Castro Valley - Request for Total Fuel Oxygenate Analyses

Dear Ms. Streich:

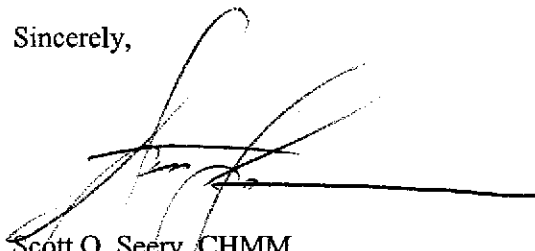
The case file for the referenced site was recently reviewed, up to and including the September 2002 Gettler-Ryan Inc third quarter 2002 monitoring report. This review was primarily conducted to identify the current suite of target compounds sought in water samples collected from the various wells within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

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

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

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

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB  
Robert Weston, ACDEH  
Deanna Harding, Gettler-Ryan Inc., 6747 Sierra Ct., Ste. J, Dublin, CA 94568  
James Brownell, Delta Environmental Consultants, Inc.  
3164 Gold Camp Drive, Ste. 200, Rancho Cordova, CA 95670

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

June 28, 2002

RO0000350

Ms. Karen Streich  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583-0904

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

Re: Former Chevron Station #9-5607, 5269 Crow Canyon Road, Castro – Source removal plan and evaluation of impacts to Crow Creek

Dear Ms. Streich:

A meeting was held on January 12, 2000, with representatives from this office, the San Francisco Regional Water Quality Control Board (RWQCB), Chevron, and your consultant at the time, Weiss Associates. The outcome of that meeting was summarized in correspondence from this office dated January 13, 2000, which identified three tasks for Chevron to complete:

- 1) Revise the (then) current Tier 2 Risk-Based Corrective Action (RBCA) evaluation
- 2) Evaluate source removal options and submit a proposal for this work, and
- 3) Determine potential impacts to Crow Creek through plume modeling or other means

Tasks 2 and 3 were to be completed within 60 days of the date of the January 13<sup>th</sup> letter.

Although Task 1 was satisfied through submittal of a Weiss Associates report dated May 31, 2000, entitled "Project Summary", this office has not received any submittal addressing Tasks 2 and 3 to date. A copy of the referenced January 13, 2000, letter is attached for your reference.

At this time Chevron is directed to submit a response to Tasks 2 and 3, above, within 60 days of the date of this letter. Please be advised that this letter constitutes an official request for technical reports pursuant to Water Code Sec. 13267(b).

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

Sincerely,

Scott O. Seery, CHMM  
Hazardous Materials Specialist

attachment (addressee, only)

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  
FAX (510) 337-9335

May 29, 2002

RO0000350

Ms. Karen Streich  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583-0904

Re: Former Chevron Station #9-5607, 5269 Crow Canyon Road, Castro – Sampling schedule revisions

Dear Ms. Streich:

This letter is sent in follow-up to a May 20, 2002 letter from your consultant, Delta Environmental Consultants, Inc. (Delta), requesting revisions to the current well sampling schedule and reporting scope.

After consideration of this request, the following sampling schedule revisions have been accepted:

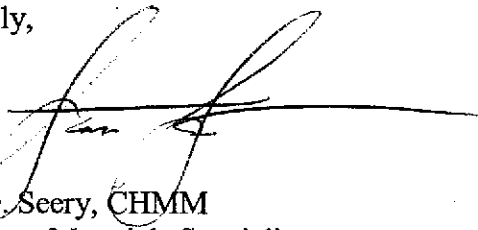
<u>Well</u>	<u>Revision</u>
C-5	Reduce from semiannual to annual schedule
C-8	Reduce from quarterly to semiannual schedule (although reduction to an annual schedule is also acceptable)
C-11	Reduce from quarterly to annual schedule
C-13	Reduce from semiannual to annual
C-14	Discontinue sampling
C-16	Reduce from quarterly to annual schedule

We also agree to limit groundwater elevation data collection and reporting for specific wells to those quarters when wells are sampled. However, please continue to include contaminant isoconcentration maps for benzene and TPH-G in each quarterly report. MtBE isoconcentration maps are not necessary at this time.

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

Ms. Karen Streich  
Re: 5269 Crow Canyon Rd., Castro Valley  
May 29, 2002  
Page 2 of 2

Sincerely,

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

Scott O. Seery, CHMM  
Hazardous Materials Specialist

c: Chuck Headlee, RWQCB  
Ben Heningburg, Delta Env. Consultants, Inc., 3164 Gold Camp Dr., Ste. 200  
Rancho Cordova, CA 95670-6021

Claxson  
5269 Corn Canyon

5/20/02

Memo to K6:

Review of the case file reveals that a source removal plan, as requested at the 12-Jan-02 meeting, does not appear in the case file.


**Chevron**

May 13, 2002

Mr. Scott Seery  
 Alameda County Health Care Services Agency  
 1153 Harbor Bay Parkway, Suite 250  
 Alameda, CA 94502-6577

**Chevron Products Company**  
 6001 Bollinger Canyon Rd., Bldg. L  
 Room 4050 P.O. Box 6004  
 San Ramon, CA 94583

**Karen Streich**  
 SAR Project Manager  
 Phone No. 925 842-1589  
 Fax No. 925 842-8370

Re: Change in Project Manager for Chevron Sites

Dear Mr. Seery:

I recently joined Chevron and will be assuming project management responsibilities from Mr. Thomas Bauhs for the Chevron sites that you oversee. I understand much of your ongoing communication about these sites is through the technical project manager from Delta Environmental, Inc. and their Network Associates. Specific sites in your region and their technical project managers are:

<u>Chevron #</u>	<u>Address</u>	<u>Project Manager</u>
9-5607	5269 Crow Canyon Rd, Castro Valley	Ben Heningburg
9-0329	340 Highlands Ave, Piedmont	David Herzog
9-8139	16304 Foothill Blvd, San Leandro	Geoff Risse
9-0917	5280 Hopyard Rd, Pleasanton	Todd Del Frate

If you have any questions, or there is anything I can help you with, please do not hesitate to contact me at **925-842-1589** or via email at [stka@chevrontexaco.com](mailto:stka@chevrontexaco.com). If you would be interested at any time in having a status meeting about any or all of these sites, please let me know. I look forward to working with you.

Sincerely,

Karen Streich  
 Project Manager, Site Assessment & Remediation

Cc: Jim Brownell, Delta Environmental, Inc  
 Ben Heningburg, Todd Del Frate, Delta Environmental, Inc.  
 David Herzog, Geoff Riss, Gettler-Ryan, Inc.

## Seery, Scott, Env. Health

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**From:** bheningburg@deltaenv.com[SMTP:bheningburg@deltaenv.com]  
**Sent:** Thursday, January 10, 2002 2:30 PM  
**To:** sseery@co.alameda.ca.us; tkba@chevrontexaco.com  
**Cc:** deanna@grinc.com; jbrownell@deltaenv.com  
**Subject:** Chevron #9-5607 - Castro Valley (vandalism of C-15)

Scott,

The groundwater samples collected from C-15 were ~~ND for ethylene glycol~~.  
The well has been properly secured. Gettler-Ryan will provide a written report to Chevron and Delta NLT 1/16/02.  
Gettler-Ryan will remove drummed water as soon as possible.

BenH

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

**From:** Deanna Harding [mailto:deanna@grinc.com]  
**Sent:** Wednesday, January 09, 2002 12:15 PM  
**To:** Tom Bauhs  
**Cc:** Bheningburg@Deltaenv. Com; James Brownell  
**Subject:** #9-5607 - Castro Valley

I am faxing over the results of 24 hour TAT - (ND!?)

Also, the Sheriff's Department never showed up that evening (we waited until 6:45pm), I called to reschedule the next day...and they did not respond.

Deanna L. Harding  
Project Coordinator  
G-R Inc.



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

June 25, 2001

STID 670

Mr. Tom Bauhs  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583-0904

Re: Former Chevron Station #9-5607, 5269 Crow Canyon Road, Castro Valley – Removal of wells C-10A and C-10B from adjoining property

Dear Mr. Bauhs:

This letter is sent in follow-up to a June 15, 2001 letter request from your consultant, Delta Environmental Consultants, Inc., (Delta) for permission to destroy monitoring wells C-10A and C-10B. Delta's request stems from an earlier request from the Alameda County Public Works Agency to remove these wells from county-owned property to facilitate a property transfer.

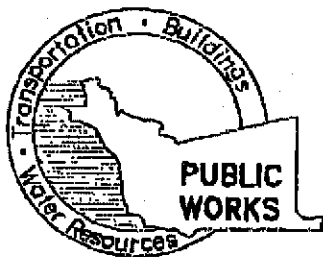
This request is granted. No plans for replacement or relocation of the subject wells are expected at this time.

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

Sincerely,

  
Scott O. Seery, CHMM  
Hazardous Materials Specialist

c: John Fenstermacher, Alameda Co. Public Works Agency (QIC 50507)  
James Brownell, Delta Env. Consultants, Inc., 3164 Gold Camp Dr., Ste. 200  
Rancho Cordova, CA 95670-6021



**COUNTY OF ALAMEDA  
PUBLIC WORKS AGENCY  
WATER RESOURCES SECTION  
399 Elmhurst Street, Hayward, CA 94544-1395**

## **FAX TRANSMITTAL**

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**TO: ENVIRONMENTAL HEALTH DATE: 6-1-01**

**ATTN: SCOTT SEERY**

**FAX NO.: (510) 337-9335**

**TRANSMITTING THE FOLLOWING:**

<u>SHEETS</u>	<u>DATED</u>	<u>TITLE/DESCRIPTION</u>
1		FYI: 5229 and 5243 Crow Canyon Rd, Castro Valley (Wells 10A and 10B)

---

1 TOTAL PAGES INCLUDING THIS SHEET,

**FROM WATER RESOURCES SECTION**

**NAME: JAMES YOO**

**TEL: (510) 670-6633**

**FAX: (510) 782-1939**

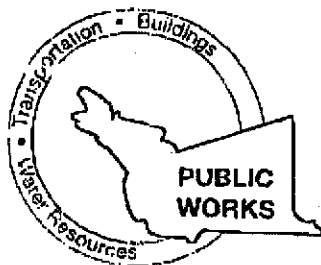
**E-MAIL: jamesy@acpwa.mail.co.alameda.ca.us**

**IF YOU EXPERIENCE PROBLEMS WITH THIS TRANSMISSION, PLEASE CALL ME.**

**REMARKS:**

**FYI:**

**If you have any question, please feel free to contact me.**



COUNTY OF ALAMEDA  
**PUBLIC WORKS AGENCY**

399 Elmhurst Street • Hayward, CA 94544-1395  
(510) 670-5480

May 31, 2001

Tom Bauhs  
Remediation Project Manager  
Chevron Products Co.  
P.O. Box 6004  
San Ramon, CA 94583-0904

Dear Mr. Bauhs:

Re: CROW CANYON ROAD R/W - No. 35873  
Assessor's Parcel No. 85-5300-13-1 (Por.)

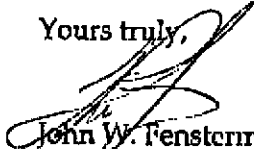
The County is processing the public sale of an excess parcel of County-owned real property located on the south side of Crow Canyon Road approximately 200+ feet east of Crow Creek Place (private) and a like distance west from Waterford Place (private). There are two monitoring wells located on the property. There are markings 10A and 10B on the wells. I have been advised by the Public Works Agency's engineer in charge of monitoring wells that these two wells were installed by Chevron for the former Chevron station #9-5607 for the Henkley Auto Repair property located at 5269 Crow Canyon Road.

Although the paperwork which allowed for these two wells to be placed on the County's property could not be found, it is assumed that there would be provisions in the permit whereby the County could request Chevron to remove the wells.

Because the wells impede the County's ability to sell the property, you are hereby requested to remove the wells as expeditiously as possible within the next sixty days. If the County of Alameda Environmental Health require that these wells remain in the area, I will be more than willing to work with you to accommodate their relocation onto remaining County-owned property.

Your expeditious addressing the removal of these wells will be appreciated and should a question arise, feel free to give me a call at (510) 670-5585.

Yours truly,



John W. Fenstermacher  
Chief, Real Estate Division

/mbc

cc: Amy Naamani, Deputy County Counsel  
James Yoo - Water Resources Section

53.98  
59.87

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



January 13, 2000

STID 670

Brett L. Hunter  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583-0904

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

RE: (former) Chevron Station #9-5607, 5269 Crow Canyon Road, Castro Valley

Dear Mr. Hunter:

This letter is sent in follow-up to the meeting we had yesterday with Chuck Headlee of the Regional Water Quality Control Board (RWQCB) and Tim Utterback of Weiss Associates (WA), your environmental consultant. As you will recall, we discussed a wide range of topics associated with the continuing investigation, clean-up objectives, and human health risk assessment for the subject former Chevron site. Several action items were agreed to at this meeting, as summarized below:

- The current Tier 2 Risk-Based Corrective Action (RBCA) evaluation will be revised in the form of an addendum in order to reflect the 1998 soil vapor investigation, a revisiting of the 1996 data set, and updated risk calculations based on the most sensitive potential receptor population, among other elements discussed.
- Source removal options will be explored and a proposal submitted within 60 days.
- Plume length and potential impacts to Crow Creek will be modeled, or otherwise extrapolated or calculated. The results of this work will be submitted concurrently with the source removal proposal.

I sincerely appreciate your conscientious efforts to date to satisfy the requests from this office during the course of this project. Please call me at (510) 567-6783 should you have any questions or comments.

Sincerely,

Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Ariu Levi, Chief, Environmental Protection  
Chuck Headlee, RWQCB  
Dianne Riggs, Walsh Property Management, P.O. Box 2657, Castro Valley, CA 94541  
Tim Utterback, Weiss Associates, 5500 Shellmound St., Emeryville, CA 94608-2411

# MEETING AGENDA

CHEVRON #9-5607  
5269 CROW CANYON ROAD

JANUARY 12, 2000

---

## INTRODUCTION

## PROJECT HISTORY

## SOIL VAPOR INVESTIGATIONS SUMMARIES AND DISCUSSION

- Phase 1 - 1996
- Phase 2 - 1998

## RBCA - 1996

- Issues discussed during January and April 1996, and May 1997 meetings

## CROW CREEK IMPACTS

- Issues discussed during May 1997 meeting

## SOURCE REMOVAL AND PLUME CONTROL

- Issues discussed during January and April 1996 meetings

WRAP

## **Seery, Scott, Public Health, EH**

---

**From:** Seery, Scott, Public Health, EH  
**Sent:** Wednesday, January 12, 2000 4:00 PM  
**To:** 'tru@weiss.com'  
**Cc:** 'Chuck Headlee'  
**Subject:** Chevron 9-5607, 5269 Crow Canyon Rd., Castro Valley

Tim

Here are some brief highlights of the action items we discussed today:

### RBCA revisions

- May be submitted as addendum to previous RBCA document
- Incorporate and discuss '98 SVS data set, and relevance of purge volume issue, and any revisions from '96 SVS work
- Discuss relevance of (apparently) conflicting '96 soil gas data
- SSTL and risk calculation revisions should appropriately accommodate most sensitive receptor group (i.e., children)
- Discuss site conditions which may mitigate potential exposure risks, e.g., presence of vapor barriers beneath slabs (where or if present), air space/ventilation beneath other structures (where or if present), etc.
- Include cover letter with "bullet items" of important findings to ease review by less informed parties

### Source removal and plume impacts to Crow Creek

- Evaluate source removal options and submit proposal in 60 days
- Plume length and potential impacts to Crow Creek will be modeled or otherwise extrapolated/calculated, the results of which work to be presented concurrently with the source removal proposal

I think these represent the bulk of the issues. Please let me know if I missed anything or if I have made an error. Thanks Tim!

Scott

# **MEETING AGENDA**

CHEVRON #9-5607  
5269 CROW CANYON ROAD

JANUARY 12, 2000

---

## **INTRODUCTION**

## **PROJECT HISTORY**

## **SOIL VAPOR INVESTIGATIONS SUMMARIES AND DISCUSSION**

- Phase 1 - 1996
- Phase 2 – 1998

## **RBCA – 1996**

- Issues discussed during January and April 1996, and May 1997 meetings

## **CROW CREEK IMPACTS**

- Issues discussed during May 1997 meeting

## **SOURCE REMOVAL AND PLUME CONTROL**

- Issues discussed during January and April 1996 meetings

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



November 12, 1999

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

STID 670

Brett L. Hunter  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583-0904

RE: FORMER CHEVRON STATION #9-5607, 5269 CROW CANYON ROAD, CASTRO VALLEY

Dear Mr. Hunter:

As you are aware, the February 5, 1999 Weiss Associates (WA) report documenting the second round of soil vapor sampling at the adjoining Forest Creek Townhomes indicates that the sampling results were invalid due to reported sampling irregularities. This interpretation was reportedly due to difficulty determining purge volumes. I understand the sampler failed to correctly follow the SOP for this task. WA reported that the soil vapor sampling project was to be repeated during May 1999. The April 29, 1999 correspondence from this office acknowledges this issue and the anticipated follow-up field work.

WA apparently revisited the data at some point after publishing the February report and concluded that the purge data were, after all, salvageable. WA sent me a facsimile on July 9, 1999 that attempts to explain and justify this new interpretation of purge volume adequacy (copy attached). I subsequently spoke briefly with WA's Tim Utterback about this issue on July 26, 1999. I requested the submittal of a more scholarly supplemental report on this topic, submitted under seal of an appropriate California-registered professional.

I am still awaiting this supplemental report.

I request that all parties associated with this case meet with the regulators to discuss the results and acceptability of the SVS, and its application in interpreting potential human health risks. In addition, extremely high dissolved-phase concentrations (9460 ug/l benzene; 33,400 ug/l TPH-G - 7/99), as well as periodic immiscible phase product (0.7' - 7/99), is still found in wells associated with the investigation at this site, ~10 years after the tanks were removed. A long-term solution to this problem will also need to be explored. I request that the supplemental report cited previously be submitted at least one week prior to this meeting.

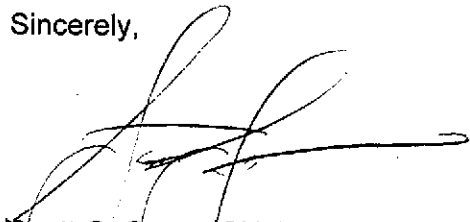


Mr. Brett Hunter  
RE: 5269 Crow Canyon Road  
November 12, 1999  
Page 2 of 2

I will plan to schedule this meeting the first part of January 2000. Please call me at (510) 567-6783 if you have some prospective dates in mind.

Sincerely,

Sincerely,

A handwritten signature in black ink, appearing to read "S. Seery", with a long horizontal flourish extending to the right.

Scott O. Seery, CHMM  
Hazardous Materials Specialist

Attachment

cc: Chuck Headlee, RWQCB (w/attachment)  
Tim Utterback, Weiss Associates  
5500 Shellmound St., Emeryville, CA 94608-2411

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



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

May 4, 1999

STID 670

Mr. Brett L. Hunter  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583-0904

RE: (Former) Chevron Service Station #9-5607, 5269 Crow Canyon Road, Castro Valley

LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

Dear Mr. Hunter:

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

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

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

LANDOWNER NOTIFICATION

Re: 5269 Crow Canyon Road, Castro Valley

May 4, 1999

Page 2 of 2

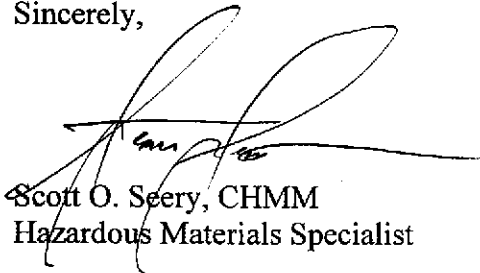
In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

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

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

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

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

Attachments

cc: Chuck Headlee, RWQCB

SAMPLE LETTER (2): LIST OF LANDOWNERS FORM

---

Name of local agency  
Street address  
City

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

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

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

Sincerely,

Signature of primary responsible party

Name of primary responsible party

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

---

Name of local agency  
Street address  
City

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

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

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

Sincerely,

Signature of primary responsible party

Name of primary responsible party

cc: Names and addresses of all record fee title owners

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



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

April 29, 1999

STID 670

Brett L. Hunter  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583-0904

RE: FORMER CHEVRON STATION #9-5607, 5269 CROW CANYON ROAD,  
CASTRO VALLEY

Dear Mr. Hunter:

Thank you for our receipt of the February 5, 1999 Weiss Associates (WA) report documenting the July 1998 field work associated with the second round of the soil vapor survey (SVS) at the subject site. WA reports that, due to sampling irregularities, the data collected during the July 1998 event are considered invalid. It is also reported that an attempt will be made in May 1999 to repeat this effort.

Please contact me at (510) 567-6783 when you have scheduled the SVS fieldwork. Your consultant's frankness, incidentally, is greatly appreciated.

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB  
Tim Utterback, Weiss Associates, 5500 Shellmound St.  
Emeryville, CA 94608-2411  
Dianne Riggs, Walsh Property Management, P.O. Box 2657  
Castro Valley, CA 94541

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

January 19, 1998

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

STID 670

Brett L. Hunter  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583-0904

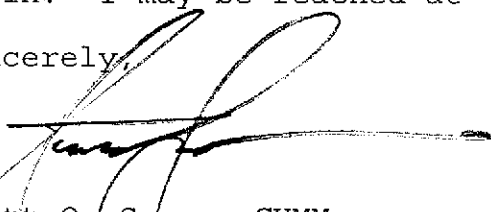
RE: FORMER CHEVRON STATION #9-5607, 5269 CROW CANYON ROAD,  
CASTRO VALLEY

Dear Mr. Hunter:

This letter is sent to memorialize for the record that the pending phase of the soil vapor survey (SVS), sewer line vapor transport evaluation, and any supplemental human health risk determinations commensurate with this additional work have been postponed until the end of the rainy season.

Please notify this office when field work is finally scheduled to begin. I may be reached at (510) 567-6783.

Sincerely,

  
Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Mee Ling Tung, Director  
Dick Pantages, Chief, Environmental Protection  
Stephen Hill, RWQCB  
Tim Utterback, Weiss Associates, 5500 Shellmound St.  
Emeryville, CA 94608-2411  
Dianne Riggs, Walsh Property Management. P.O. Box 2657  
Castro Valley, CA 94541

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



October 28, 1997

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

STID 670

Brett L. Hunter  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583-0904

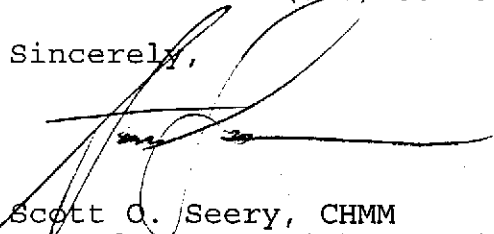
RE: FORMER CHEVRON STATION #9-5607, 5269 CROW CANYON ROAD,  
CASTRO VALLEY - AMENDED SOIL VAPOR COLLECTION WORK PLAN

Dear Mr. Hunter:

Thank you for our recent receipt of the October 22, 1997 Weiss Associates (WA) addendum to their August 8, 1997 Soil Vapor Collection Work Plan. This addendum was submitted in response to a request from this office to evaluate the sanitary sewer line trench below Waterford Place for the presence of gasoline vapors.

The cited WA work plan, as amended, has been accepted. Please notify this office when field work is scheduled to begin. I may be reached at (510) 567-6783.

Sincerely,

  
Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Mee Ling Tung, Director  
Gordon Coleman, Chief, Environmental Protection  
Kevin Graves, RWQCB  
Tim Utterback, Weiss Associates, 5500 Shellmound St.  
Emeryville, CA 94608-2411  
Dianne Riggs, Walsh Property Management, P.O. Box 2657  
Castro Valley, CA 94541



ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

September 22, 1997

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

STID 670

Brett L. Hunter  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583-0904

RE: FORMER CHEVRON STATION #9-5607, 5269 CROW CANYON ROAD,  
CASTRO VALLEY

Dear Mr. Hunter:

I have reviewed the August 8, 1997 Weiss Associates (WA) documents entitled "Vapor Pathway Survey" and "Soil Vapor Sample Collection Work Plan" which address the ongoing assessment at the referenced site. The cited vapor pathway survey compared the locations and depths of utility conduits with that of underlying geology to determine whether a potential for vapor transport through such structures may contribute to the distribution of fuel vapors beneath the adjoining Forest Creek Townhome development. The soil vapor work plan proposes the locations of and sampling strategies for additional soil vapor survey (SVS) probes placed in an attempt to corroborate 1996 SVS data.

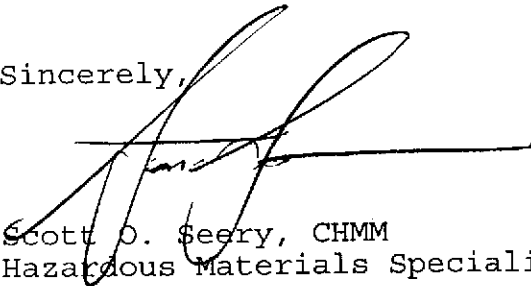
The vapor pathway survey revealed the potential for impacted ground water and vapor to be transported through the sanitary sewer trench near the north end of the site. Without further investigation of the sewer conduit, no firm conclusions may be drawn in the presence of current information regarding preferential vapor or ground water transport through this conduit.

The current SVS work plan needs to be modified to reflect the collection of a suitable number of vapor samples (e.g., 4 - 5) along a 250' stretch of the sanitary sewer trench running beneath Waterford Place. Sampling shall begin at the northern terminus of the sewer line near well C-12, and extend southward beyond well C-11.

Please submit a brief addendum to the current SVS work plan to reflect this additional sampling element, including a description of sampling methodology and a probe location map. I may be reached at (510) 567-6783 should you have any questions.

Mr. Brett Hunter  
RE: 5269 Crow Canyon Rd., Castro Valley  
September 22, 1997  
Page 2 of 2

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Mee Ling Tung, Director  
Gordon Coleman, Chief, Environmental Protection  
Kevin Graves, RWQCB  
Tim Utterback, Weiss Associates, 5500 Shellmound St.  
Emeryville, CA 94608-2411  
Dianne Riggs, Walsh Property Management, P.O. Box 2657  
Castro Valley, CA 94541



**Chevron**

August 18, 1997

Ms. Diane Riggs  
Forest Creek Townhomes Association  
c/o Walsh Property Management  
P.O. Box 2657  
Castro Valley, CA 94541

**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: Former Chevron Service Station #9-5607, 5269 Crow Canyon Rd., Castro Valley, CA  
Attached Vapor Pathway Survey (Weiss, 8/8/97)  
Attached Soil Vapor Sample Collection Work Plan (Weiss, 8/8/97)

Dear Ms. Riggs:

A meeting was held on May 2, 1997 at the offices of the Alameda County Health Care Services Agency. Representatives from Chevron Products Company, Weiss Associates, and the Alameda County Health Care Services met to discuss the preliminary results of our field investigation that was performed last year and of the subsequent risk-based corrective action evaluation. Although the preliminary results have indicated that the hydrocarbons beneath the townhomes pose no significant risk, it was agreed at the meeting that additional field testing would be performed to validate the preliminary findings.

The two attached documents prepared by Chevron's consultant, Weiss Associates, describe the additional field investigation and soil vapor sampling procedures that are to be performed. If you have any questions or comments, I can be reached at (510) 842-8695.

Sincerely,

Brett L. Hunter  
Environmental Engineer  
Site Assessment and Remediation

Attachments

cc: Kevin Hinckley, 5269 Crow Canyon Road, Castro Valley, CA 94546  
Kevin Graves, San Francisco Bay RWQCB, Oakland, CA (w/o attach.)  
Scott Seery, Alameda County Environmental Health, 1131 Harbor Bay Parkway, 2nd Floor,  
Alameda, CA 94502 (w/o attach.)  
Bette Owen, Chevron Products Company, San Ramon, CA (w/o attach.)

# 670  
SOS

**RESOLUTION NO. Z-8684 OF  
THE ZONING ADMINISTRATOR OF ALAMEDA COUNTY  
ADOPTED AT THE HEARING OF MAY 7, 1997, CONCERNING C-7036**

**WHEREAS KEVIN L. HINKLEY** has filed for **CONDITIONAL USE PERMIT, C-7036**, to continue a light auto repair facility in a P-D (Planned Development) District, located at **5269 Crow Canyon Road**, south side, opposite Greenridge Road, Castro Valley, Assessor's Number: 85-5300-3-6.

**WHEREAS** the Zoning Administrator did hold a public hearing on said application at the hour of 1:30 p.m. on the 7th day of May, 1997, in the Alameda County Public Works Building, Auditorium, 399 Elmhurst Street, Hayward, California; and

**WHEREAS** it satisfactorily appears from affidavits on file that proper notice of said public hearing was given in all respects as required by law; and

**WHEREAS** this application has been reviewed in accordance with the provisions of the California Environmental Quality Act and has been found to be categorically exempt; class 5, example I; and

**WHEREAS** a Pre-Hearing Analysis was submitted recommending the application be conditionally approved; and

**WHEREAS** no one appeared at said public hearing to offer testimony in support of or in opposition to the application; and

**WHEREAS** the Zoning Administrator did hear and consider all said reports, recommendations and testimony as hereinabove set forth; Now Therefore

**BE IT RESOLVED** that the Zoning Administrator finds that:

- (a) The use is required by the public need as it has been conducted on the property as an accessory use to a gas station for several years, and has proven to be successful and in demand.
- (b) The use will be properly related to other land uses and transportation and service facilities in the vicinity as it can serve local and transient public at this location and all services are present.

**RESOLUTION NO. Z-8684**

**MAY 7, 1997**

**PAGE 2**

- (c) The use, if permitted, under all the circumstances and conditions of this particular case, will not materially affect adversely the health or safety of persons residing or working in the vicinity, or be materially detrimental to the public welfare or injurious to property or improvements in the neighborhood as it would continue to have less impact than the former use, and it shall comply with all applicable requirements.
  
- (d) The use will not be contrary to the specific intent clauses or performance standards established for the District in which it is to be considered as the use is specifically permitted in the district subject to a Conditional Use Permit.

**BE IT FURTHER RESOLVED** that the Zoning Administrator does hereby conditionally approve said application as shown by materials labeled Exhibit "A" on file with the Alameda County Planning Department, subject to the following conditions:

- 1. The operation of the light auto repair facility shall continue to meet all applicable requirements of the following County agencies:
  - a) Health Care Services,
  - b) Building Inspection,
  - c) Public Works Agency,
  - d) Fire Department.

Pursuant to Section 8-60.7 of the Alameda County Zoning Ordinance said Conditional Use Permit shall be implemented within a term of three (3) years of its issuance or it shall be of no force or effect.

Said Conditional Use Permit shall terminate on May 7, 2002, and shall remain revocable for cause in accordance with Section 8-90.3 of the Alameda County Zoning Ordinance.

**STEPHEN F. RICHARDS - ZONING ADMINISTRATOR  
ALAMEDA COUNTY PLANNING DEPARTMENT**

Channon  
5269 Crown Ct Rd  
Castro Valley

MEETING NOTES

5/2/97

I met today with Bert Peck, John Randall and Bret Hunter (Channon), as well as Tim Utterback and Mike Eoad (Weiss Assoc.) to discuss the results of the 8/96 SVS, resultant RBCA evaluation, and future work at the site.

The results of this 3 1/2<sup>hr</sup> meeting are as follows:

- ① Preferential pathways for vapor transport will be evaluated. Engineering drawings depicting utility conduits / trenches will be acquired. These data will be compared with known geology and spatial orientation of structures to make a reasonable interpretation what affect, if any, such may pose to receptors both remote from the present SVS study area, and those within the SVS study area.
- ② Information derived from ①, above, will be used in concert with other variables to place additional SVS points. At the least, this will include an attempt to re-collect shallow soil vapor info from the locations of SV-2, -3, and SV-5.



- ① shallow samples (3') in SU-2, SU-3, SU-5
- ② preferential pathways (geologic, manmade) first
- ③ discuss homes suspended above ground
- ④ cover letter w/ith bullet items

### Other

- ① well C-15 has recently shown increases in benzene (22 ppb) - intermediate well needed?
  - ecotox?
  - H<sub>2</sub>O quality objectives exceeded?
- ② Schedule meeting w/ RWQCB @ later date to discuss
- ③ see if next round of sampling is same, then follow-up if needed



SV-5

SV#1 sample attempted @ 3' bgs. water was encountered due to irrigator. Soil samples collected @ 5'-10'. SV#2 collected @ 12' w/no problem.

SV#3

Emplaced 2 times today - 1st w/resistance + 2nd ok to 25' where SV sample collected w/no problems. Soil collected at 22'-24' w/ slight discoloration & odor.



Downgradient of  
5369 Crow Canyon Rd 8/20/96  
Castro Valley Soil for heavy  
study



Downgradient of  
5369 Crow Canyon Rd. 8/20/96  
Castro Valley CA Soil for heavy  
study

Former Chevron  
Crow Canyon Rd

8/20/96

AM. On-site to ~~monitor~~<sup>observe</sup> field investigation.  
SV-6 vapor sample had just been collected  
@ ~3' bgs. Soil sample collected @ ~5'. Resistance  
encountered before 10' <sup>soil</sup> sample could be  
collected due to a rock (a). Sample location  
was relocated 3-4' down gradient ~~to~~  
sampling went ok for SV7 + SV8 per Jim.  
< Per Jim ~~vapor samples were not~~  
collected @ all 3 depths in SV-2 yesterday  
because soils ~~were~~ encountered were  
thought to be too tight @ 3 + 22' bgs >

8/20

PM

1st

(SV-4) in progress. Vapor sample collected @ 3' bgs  
& soil @ 6'. 2nd vapor sample collected @ 8' bgs  
& soil sample @ 11'. ~~Soil sample appeared~~  
moist ∴ the 3rd vapor sample <sup>VS</sup> will be collected  
at this pt (ie 11') - VS-3 had some resistance ∴  
canister filled to capacity (based on listening to vacuum).  
Soil was dry 14-16' ∴ will go to 22-24' to collect  
another vapor & soil sample. Soil sample collected  
from 23-24'. SV sample collected @ 25'. Resistance encountered  
@ 25' casing installed w/ bit 1/2 hr. no rocks.

slight odor w/ plain

August 1, 1996

St Id #670

Former Chevron Station

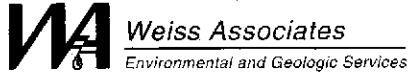
5269 Crow Canyon Rd

Castro Valley

On-site to survey sample locations for soil gas survey investigation. Walked site w/ Jim Utterback & Michael Cook w/ Weiss Assoc., Chris Pruner w/ Gregg Dilling, and Brett Hunter w/ Chevron. It appears that all proposed sample locations in the w/p proposal map dated 6/3/96 can be installed as specified except for minor adjustments to SV-4 and SV-5.

72207-72222-72236 (29 miles)

Per Weiss & Gregg Dilling tentative date for soil-gas survey is 8/15.




Timothy R. Utterback  
Engineer  
email: tru@weiss.com

5500 Shellmound St., Emeryville, CA 94608 • 510-450-6000 • Fax: 510-547-5043  
AguaTierra Associates Incorporated, DBA



Michael J. Cooke  
Project Geologist  
email: mc@weiss.com

5500 Shellmound St., Emeryville, CA 94608 • 510-450-6000 • Fax: 510-547-5043  
AguaTierra Associates Inc. dba 



CHRISTOPHER PRUNER  
Operations Manager

**GREGG DRILLING & TESTING, INC.**  
SPECIALIZING IN CONTAMINANT SAMPLING  
AND MONITORING WELL INSTALLATIONS

950 HOWE RD. • MARTINEZ, CA 94553 • (510) 313-5800 • FAX (510) 313-0302



**Chevron**

**FACSIMILE MESSAGE**

**Chevron Products Company**

6001 Bollinger Canyon Road, San Ramon, CA 94583-0804

Mail: P.O. Box 5004, San Ramon, CA 94583-0804

FAX: (510) 842-8370

To: SCOTT SEERY Date: 7-15-96 Page 1 of 2

Company: ACDEH Fax #: 337 9335

From: BRETT HUNTER Phone: (510) 842-8695

Subject: FRMR. SERVICE STN #9-5607, 5269 CROW CANYON RD, CASTRO VALLEY

Message: SCOTT,

HERE'S A COPY OF THE HOMEOWNER'S  
ASSOCIATION REPLY TO OUR PROPOSAL FOR  
RBCA WORK AND INVITATION TO MEET. I  
WILL NOTIFY WEISS & ASSOCIATES TO BEGIN  
SCHEDULING FIELD WORK AS SOON AS  
I'VE HEARD BACK FROM YOU.

THANKS,

Brett

# *Forest Creek Townhomes Association*

*c/o Walsh Property Management  
P.O. Box 2657  
Castro Valley, CA 94546  
888-8965 or 888-8975*

July 8, 1996

Chevron USA Products Company  
LP.O. Box 5004  
San Ramon, CA 94583-0804  
Attn: Brett Hunter

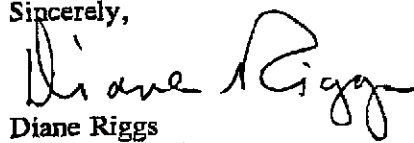
Re: Former Chevron Service Station #9-5607, 5269 Crow Canyon Road

Dear Mr. Hunter:

The Board of Directors discussed your letter regarding the need to perform Risk Based Corrective Action analysis in the field at their association. They do not have a problem with you performing this work, however, they would like to remind you that any damages caused by this work must be corrected and/or reimbursed to the association.

Please confirm with me the date(s) that you plan to be on site. On behalf of the association, we appreciate your communication!

Sincerely,



Diane Riggs  
Management Agent  
Forest Creek Association

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

Alameda County CC4580  
Environmental Health Services  
1131 Harbor Bay Pkwy., #250  
Alameda CA 94502-6577  
(510)567-6700 FAX(510)337-9335

Std 670

June 3, 1996

Brett Hunter  
Chevron U.S.A. Products Company  
Site Assessment & Remediation Group  
P.O. Box 5004  
San Ramon CA 94583-0804

Subject: Former Chevron Station located at 5269 Crow Canyon Road, Castro Valley, CA

Dear Mr. Hunter:

This office has reviewed Weiss Associates' Sample Location Map, dated May 29, 1996, for the subject site. This map outlines the locations and types of samples and analyses proposed in Weiss Associates' work plan, dated April 1, 1996, and work plan addendum, dated May 14, 1996.

In addition to the comments noted in our letter to you dated May 30, 1996, please incorporate the following comments and/or additional requirements into the current scope of work:

1. Based on earlier conversations with Ravi Arulanantham of the San Francisco Bay Regional Water Quality Control Board and Weiss Associates, it is our understanding that the soil vapor depth profile samples should be collected in the study locations where the highest impact to groundwater is suspected. Groundwater gradient at the site is generally to the west, and monitoring well C-9 has historically exhibited the highest concentrations of petroleum hydrocarbons relative to other monitoring wells located downgradient of the site.

Therefore, the ideal locations for the soil vapor profile samples should include areas downgradient from monitoring well C-9 (e.g., sample locations SV-2, SV-3, SV-4, and SV-5).

2. Please include analysis for Methyl Tertiary Butyl Ether (MTBE) by EPA method 8020 for all soil and groundwater samples.

Please notify this office at least 72 hours before field work begins and contact Amy Leech at (510)567-6755 if you have questions.

Sincerely,

Amy Leech  
Hazardous Materials Specialist

Scott Seery, CHMM  
Senior Hazardous Materials Specialist

- c: Attn: Mike Cooke, Weiss Associates, 5500 Shellmound St., Emeryville, CA 94608-2411  
Kevin Hinkley, 5269 Crow Canyon Rd., Castro Valley, CA 94552  
Ed Laudani, Alameda County Fire Dept.  
Kevin Graves, RWQCB  
Ravi Arulanantham, RWQCB  
Gordon Coleman-File(ALL)

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

Alameda County CC4580  
Environmental Health Services  
1131 Harbor Bay Pkwy., #250  
Alameda CA 94502-6577  
(510)567-6700 FAX(510)337-9335

StId 670

May 30, 1996

Brett Hunter  
Chevron U.S.A. Products Company  
Site Assessment & Remediation Group  
P.O. Box 5004  
San Ramon CA 94583-0804

Subject: Former Chevron Station located at 5269 Crow Canyon Road, Castro Valley, CA

Dear Mr. Hunter:

This office has reviewed Weiss Associates' work plan, dated April 1, 1996, and work plan addendum, dated May 14, 1996, for the subject site. We understand that the information derived from the proposed soil gas survey and the collection of other site specific data will provide a means to more appropriately evaluate potential risks to human health and the environment at the subject site. The American Society for Testing and Materials (ASTM) Risk Based Corrective Action (RBCA) guidance document will be used as framework to complete these studies and to develop the final report.

Please also incorporate the following comments and/or additional requirements into the current scope of work as discussed in conference with Kevin Graves and Ravi Arulanantham of the San Francisco Bay Regional Water Quality Control Board:

1. Samples obtained to determine the fraction of organic carbon (foc) at the site should be collected in at least three locations and, in addition to the proposed sampling depth of 1-3 feet below ground surface, samples should also be collected within 10 feet above the groundwater table in each location.
2. Per my conversation with Mike Cooke of Weiss Associates on May 22, 1996, a revised site map for this investigation will be prepared and submitted to this office for review. The site map will include all proposed sample locations with an explanation of the type of sample(s) and analyses that are proposed for each sample location.

Please submit the revised site map to this office for review and comment *prior to* commencing field activities.

Please notify this office at least 72 hours before field work begins and contact Amy Leech at (510)567-6755 if you have questions.

Sincerely,

Amy Leech  
Hazardous Materials Specialist

Scott Seery, CHMM  
Senior Hazardous Materials Specialist



Hunter/Chevron

Re: 5269 Crow Canyon Rd.

May 30, 1996

Page 2 of 2

c: Attn: Mike Cooke, Weiss Associates, 5500 Shellmound St., Emeryville, CA 94608-2411  
Kevin Hinkley, 5269 Crow Canyon Rd., Castro Valley, CA 94552  
Ed Laudani, Alameda County Fire Dept.  
Kevin Graves, RWQCB  
Ravi Arulanantham, RWQCB  
Gordon Coleman-File(ALL)

1996.05-30 14:44  
 510 337 9335  
 ALAMEDA CO EHS HAZ-OPS

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7499402046

ALAMEDA COUNTY ENVIRONMENTAL  
 HEALTH DEPARTMENT

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

FAX COVER SHEET

DATE: May 30, 1996

TO: Brett Hunter

FAX # (510) 842-8252

Total number of pages including cover sheet 3

FROM: Amy Leach

(510) 567-6755

NOTE:

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, DIRECTOR

StId 670

April 15, 1996

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

Brett Hunter  
Chevron U.S.A. Products Company  
Site Assessment & Remediation Group  
P.O. Box 5004  
San Ramon CA 94583-0804

Subject: Former Chevron Station located at 5269 Crow Canyon Road, Castro Valley, CA

Dear Mr. Hunter:

This office has reviewed the draft copy of a "fact sheet", dated March 28, 1996, which describes the current status of environmental impacts and investigations, as well as, plans for further field investigations and assessments in the vicinity of the subject site. Please refer to the attached document which incorporates our comments into the fact sheet. The San Francisco Bay Regional Water Quality Control Board has reviewed and concurs with Alameda County Department of Environmental Health's comments. We understand that Chevron intends to distribute a final version of the "fact sheet" to residents of the Forest Creek Townhomes to inform them of the past and future environmental activities pertaining to the site.

On April 8, 1996, we received Weiss Associates' work plan, dated April 1, 1996, which proposes to complete a Tier 1 and Tier 2 Risk-Based Corrective Action analysis for the subject site. We anticipate the review of this work plan will be complete on or before May 3, 1996.

Please contact Amy Leech at (510)567-6755 or Scott Seery at (510)567-6783 if you have questions.

Sincerely,

Amy Leech  
Hazardous Materials Specialist

Scott Seery  
Senior Hazardous Materials Specialist

**ATTACHMENT**

c: Kevin Graves, RWQCB  
Ravi Arulanantham, RWQCB  
Gordon Coleman-File(ALL)

ALAMEDA COUNTY ENVIRONMENTAL  
HEALTH DEPARTMENT

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

FAX COVER SHEET

OK

DATE: April 15, 1996

TO: Brett Hunter  
(510) 8<sup>42</sup>~~97~~-8695

FAX # (510) 842-8252

Total number of pages including cover sheet 3

FROM: Amy Leech  
(510) 567-6755

NOTE:

Brett - Scott Seery and I have reviewed Chevron's "fact sheet" (3/28/96) regarding 5269 Crow Canyon Rd in Castro Valley. We have incorporated our comments to the fact sheet in the attached document. If we receive add'l comments from the RWQB, we will forward them to you A.S.A.P. We will also be forwarding to you a cover letter that is in the process of being finalized to accompany ADEH's comments.

Please call me at (510) 567-6755 or Scott Seery at (510) 567-6783 if you have questions.

(SMILE) have a nice day.

DO SOMETHING FOR OUR ENVIRONMENT.

jdsb/0395

Sincerely,  
Amy Leech

Chevron has been conducting remedial activities at its former service station site for more than ten years. This fact sheet was prepared and is being provided to its neighbors in an effort to provide specific information regarding Chevron's activities.

#### Background

In 1985, a discrepancy was discovered in the product inventory records maintained at Chevron's service station, indicating the possibility that a leak had developed in the USTs or the piping between the tanks and pump islands. Monitor wells were installed and the presence of gasoline was confirmed beneath the site. **Since that time, additional wells were installed in the area of the former station and the Forest Creek Townhome development to determine the extent of gasoline contamination to soil and groundwater.** Chevron discontinued service station operations and removed all existing USTs and associated piping. Gasoline contaminated soil was excavated and removed from the site for disposal. **Chevron ~~has worked~~ is working** closely with California Regional Water Quality Control Board (RWQCB) and the Alameda County Department of Environmental Health (ACDEH), **and is in order to comply compliance** with the Agencies' requirements.

#### Current Status

A groundwater pump and treat system has operated on the site since 1985 **and on the Forest Creek Townhome property since 1991**, treating more than one million gallons of groundwater. The system was designed to remove ~~any~~ gasoline contamination which ~~may be present~~ **has been detected in the groundwater in the area of the former station and the Forest Creek Townhome development** and to minimize the further migration of groundwater contamination. Groundwater conditions are monitored on a quarterly basis and, **although gasoline has been detected in groundwater beneath the former station and in the vicinity of the Forest Creek Townhome development, groundwater sampling data has have** demonstrated that the plume of contamination is not migrating and that natural attenuation, or degradation of contamination, **is may be** occurring.

Proposed Work

As you may already be aware, releases of gasoline from USTs at service station sites, while regrettable, ~~is~~ **are** not an uncommon occurrence. Based upon Chevron's experience at similar sites, it does not believe that the gasoline contamination present in soil and groundwater at, or in the vicinity of, its former service station poses a significant health risk. To confirm its assumptions, Chevron will perform a human health risk assessment to evaluate that actual and theoretical risk created by the gasoline contamination which has been identified. **In order to complete the risk assessment, an investigation that includes the collection of site specific samples of soil and soil vapor is planned in the vicinity of \_\_\_\_\_ during the months of \_\_\_\_\_ and \_\_\_\_\_.** The risk assessment will be performed according to accepted industry and regulatory standards, and will be reviewed by ACDEH and RWQCB as part of efforts to establish ultimate remediation cleanup goals. Chevron expects that the assessment will be completed in late August, 1996.

Chevron is committed to continued remediation of the site in accordance with ACDEH and RWQCB directives, and in a manner that is protective of ~~human heath~~ **human health** and the environment.

1996.04-15 14:03  
 510 337 9335  
 ALAMEDA CO EHS HAZ-OPS

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## ALAMEDA COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

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

### FAX COVER SHEET

DATE: April 15, 1996

TO: Brett Hunter  
(510) 894-8695

FAX # (510) 842-8252

Total number of pages including cover sheet 3

FROM: Amy Leech  
(510) 567-6755

NOTE:

Chevron has been conducting remedial activities at its former service station site for more than ten years. This fact sheet was prepared and is being provided to its neighbors in an effort to provide specific information regarding Chevron's activities.

#### Background

In 1985, a discrepancy was discovered in the product inventory records maintained at Chevron's service station, indicating the possibility that a leak had developed in the USTs or the piping between the tanks and pump islands. Monitor wells were installed and the presence of gasoline was confirmed beneath the site. **Since that time, additional wells were installed in the area of the former station and the Forest Creek Townhome development to determine the extent of gasoline contamination to soil and groundwater.** Chevron discontinued service station operations and removed all existing USTs and associated piping. Gasoline contaminated soil was excavated and removed from the site for disposal. Chevron ~~has worked~~ **is working** closely with California Regional Water Quality Control Board (RWQCB) and the Alameda County Department of Environmental Health (ACDEH), ~~and is in order to comply~~ **compliance** with the Agencies' requirements.

#### Current Status

A groundwater pump and treat system has operated on the site since 1985 **and on the Forest Creek Townhome property since 1991**, treating more than one million gallons of groundwater. The system was designed to ~~remove any gasoline contamination which may be present~~ **has been detected** in the groundwater **in the area of the former station and the Forest Creek Townhome development** and to minimize the further migration of groundwater contamination. Groundwater conditions are monitored on a quarterly basis and, **although gasoline has been detected in groundwater beneath the former station and in the vicinity of the Forest Creek Townhome development, groundwater sampling data has have** demonstrated that the plume of contamination is not migrating and that natural attenuation, or degradation of contamination, ~~is~~ **may be** occurring.



Proposed Work

As you may already be aware, releases of gasoline from USTs at service station sites, while regrettable, ~~is~~ are not an uncommon occurrence. Based upon Chevron's experience at similar sites, it does not believe that the gasoline contamination present in soil and groundwater at, or in the vicinity of, its former service station poses a significant health risk. To confirm its assumptions, Chevron will perform a human health risk assessment to evaluate that actual and theoretical risk created by the gasoline contamination which has been identified. **In order to complete the risk assessment, an investigation that includes the collection of site specific samples of soil and soil vapor is planned in the vicinity of \_\_\_\_\_ during the months of \_\_\_\_\_ and \_\_\_\_\_.** The risk assessment will be performed according to accepted industry and regulatory standards, and will be reviewed by ACDEH and RWQCB as part of efforts to establish ultimate remediation cleanup goals. Chevron expects that the assessment will be completed in late August, 1996.

Chevron is committed to continued remediation of the site in accordance with ACDEH and RWQCB directives, and in a manner that is protective of human ~~health~~ health and the environment.

**Chevron****FACSIMILE MESSAGE****Chevron Products Company**

6001 Bollinger Canyon Road, San Ramon, CA 94583-0804

Mail: P.O. Box 5004, San Ramon, CA 94583-0804

FAX: (510) 842-8252

To: AMY LEACH Date: 3-29-96 Page 1 of 3Company: ACDEH Fax #: 937 9335From: BRETT HUNTER Phone: (510) 842-8695Subject: FRMA. 55 # 9-5607 5269 CROW CANYON RD., CASTRO VALLEYMessage: AMY,

AS WAS AGREED IN OUR 1/29/96 MEETING, WE HAVE  
PUT TOGETHER A "FACT SHEET" TO INFORM THE RESIDENTS  
OF THE FOREST CREEK TOWNHOMES OF CHEVRON'S PAST  
AND FUTURE ENVIRONMENTAL ACTIVITIES. THE VERSION I'M  
SENDING HAS BEEN THROUGH SEVERAL REVIEWS AT OUR  
END. AT THIS POINT, WE WOULD LIKE TO CAPTURE  
AND INCORPORATE ANY COMMENTS YOUR AGENCY MAY  
HAVE. I BELIEVE THE INTENTION WAS TO CO-DEVELOP  
A FACT SHEET THAT YOUR AGENCY AND CHEVRON  
COULD BE COMFORTABLE WITH PRIOR TO DISTRIBUTING  
TO THE HOMEOWNER'S ASSOCIATION. ALONG WITH THE  
FACT SHEET, IT WOULD BE OUR INTENTION TO  
DELIVER COPIES OF AN APPROVED WORK PLAN. AT  
THE SAME TIME, WE WOULD OFFER THE OPPORTUNITY  
TO THE ASSOCIATION TO MEET WITH CHEVRON AND



**Chevron**

**FACSIMILE MESSAGE**

**Chevron Products Company**

6001 Bollinger Canyon Road, San Ramon, CA 94583-0804  
Mail: P.O. Box 5004, San Ramon, CA 94583-0804  
FAX: (510) 842-8252

To: \_\_\_\_\_ Date: 3-29-96 Page 2 of 3

Company: \_\_\_\_\_ Fax #: \_\_\_\_\_

From: BRETT HUNTER Phone: (510) 842-8695

Subject: \_\_\_\_\_

Message: (CONT.)

YOUR AGENCY TO DISCUSS ANY CONCERNS OR  
RELEVANT ISSUES THEY MAY HAVE.

AT THIS TIME MY TENTATIVE SCHEDULE OF  
ACTIVITIES LOOKS LIKE THIS:

3/29 - 4/12 CO-DEVELOP FACT SHEET

4/3 SUBMIT WORKPLAN TO ACDEH + SFBRWALB

5/3 RCV. WORKPLAN APPROVAL

5/10 PROVIDE FACT SHEET, WORKPLAN, FIELD WORK  
SCHEDULE, AND INVITATION TO MEET TO HOA

5/29 - 5/31 BEGIN 1<sup>ST</sup> PHASE OF FIELD WORK

7/17 - 7/20 BEGIN 2<sup>ND</sup> PHASE OF FIELD WORK

8/21 SUBMIT FINAL REPORT

PLEASE FAX OR PHONE ANY COMMENTS TO THE FACT  
SHEET THAT YOU MAY HAVE TO THE NUMBER(S) LISTED  
ABOVE.

THANK YOU,  
BWH

**Former Chevron Station #9-5607  
5269 Crow Canyon Road  
Castro Valley, CA**

March 28, 1996

Chevron has been conducting remedial activities at its former service station site for more than ten years. This fact sheet was prepared and is being provided to its neighbors in an effort to provide specific information regarding Chevron's activities.

**Background**

In 1985, a discrepancy was discovered in the product inventory records maintained at Chevron's service station, indicating the possibility that a leak had developed in the underground storage tanks or the piping between the tanks and pump islands. Monitor wells were installed and the presence of gasoline was confirmed beneath the site. Chevron discontinued service station operations and removed all existing underground storage tanks and associated piping. Gasoline contaminated soil was excavated and removed from the site for disposal. Chevron has worked closely with the California Regional Water Quality Control Board (RWQCB) and the Alameda County Department of Environmental Health (ACDEH), and is in compliance with the Agencies' requirements.

**Current Status**

A groundwater pump and treat system has operated on the site since 1985, treating more than one million gallons of groundwater. The system was designed to remove any gasoline contamination which may be present in the

groundwater and to minimize the further migration of groundwater contamination. Groundwater conditions are monitored on a quarterly basis and have demonstrated that the plume of contamination is not migrating and that natural attenuation, or degradation of contamination, is occurring.

**Proposed Work**

As you may already be aware, releases of gasoline from underground storage tanks at service station sites, while regrettable, is not an uncommon occurrence. Based upon Chevron's experience at similar sites, it does not believe that the gasoline contamination present in the soil and groundwater at, or in the vicinity of its former service station poses a significant health risk. To confirm its assumptions, Chevron will perform a human health risk assessment to evaluate the actual and theoretical risk created by the gasoline contamination which has been identified. The risk assessment will be performed according to accepted industry and regulatory standards, and will be reviewed by ACDEH and RWQCB as part of efforts to establish ultimate remediation cleanup goals. Chevron expects that the assessment will be completed in late August, 1996.

Chevron is committed to continued remediation of the site in accordance with ACDEH and RWQCB directives, and in a manner that is protective of human health and the environment.

**FOR MORE INFORMATION**

For more information, please contact one of the following:

**Brett Hunter**  
Site Assessment and Remediation Engineer  
Chevron Products Company  
(510) 842-8695

**Amy Leach**  
Alameda County Health Care Services Agency  
Division of Environmental Health  
(510) 567-6755

Site related documents are available for public review at the following locations:

**Alameda County Health Care Services Agency**  
Division of Environmental Health  
1131 Harbor Bay Parkway, 2nd Floor  
Alameda, CA 94502  
(510) 567-6755

**California Regional Water Quality Control Board**  
San Francisco Bay Region  
2101 Webster Street, Suite 500  
Oakland, CA 94612  
(510) 286-1255

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

StId 670  
February 15, 1996

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

Brett Hunter  
Chevron U.S.A. Products Company  
Site Assessment & Remediation Group  
P.O. Box 5004  
San Ramon CA 94583-0804

Subject: Former Chevron Station located at 5269 Crow Canyon Road, Castro Valley, CA

Dear Mr. Hunter:

This letter is to confirm our telephone conversation February 14, 1996, regarding the receipt of your letter dated February 13, 1996, and the recommendations of Dr. Ravi Arulananthum, Staff Toxicologist, San Francisco Bay Regional Water Quality Control Board (RWQCB), recommendations in regard to soil gas investigations at the subject site.

The EPA analytical method for soil gas analysis of samples collected from an active soil gas survey is EPA TO14. Dr. Arulananthum indicated that it was important to use an experienced lab for this type of analysis. Per your request, see the attached list of laboratories which we are aware perform this type of analysis. From what I understand, however, there is no EPA approved methodology to assist in developing a soil gas investigative strategy. Therefore, the development of an investigative methodology should be completed by a qualified consultant who is experienced in developing soil gas investigations which will produce meaningful data for use in a risk assessment. As we discussed, the investigative methodology should be developed in close cooperation with Dr. Arulananthum and Mr. Kevin Graves with RWQCB and this office.

Please contact me at (510)567-6755 if you have any questions. I will be out of the office February 16 - February 23, 1996.

Sincerely,

Amy Leech  
Hazardous Materials Specialist

Attachment

AS  
c: Ravi Arulanantham, RWQCB  
Kevin Graves, RWQCB  
Gordon Colman (ALL)



**Chevron**

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

**Site Assessment & Remediation Group**  
Phone (510) 842-9500

October 4, 1995

Mr. Scott Comiso  
Bay Area Air Quality Management District  
939 Ellis Street  
San Francisco, CA 94109

Re: Former Chevron Station # 9-5607, 5269 Crow Canyon Road, Castro Valley, CA  
Attached Notice of Permit Renewal (BAAQMD, 8/2/95)

Dear Mr. Comiso:

Attached you will find a permit renewal notice dated August 2, 1995, which was provided to Chevron by your agency for renewal of our permit to operate plant #3939. In our telephone conversation today you advised me that in the event of non-renewal, Chevron should return this notice to your office with information relating to the reason for non-renewal. By way of this letter I am offering the reason for our non-renewal.

On May 25, 1995 Chevron instructed its consultant, Geraghty & Miller, to shut off the groundwater pumps and associated air stripper unit. Since that date the system has remained off. Chevron has contracted Touchstone Developments to remove and demobilize the air stripper unit. This work is scheduled for later this month. Pumping of groundwater at the subject site will resume however, treatment of dissolved hydrocarbons before discharge will be accomplished through activated carbon filtration.

If you have any questions or comments, I can be reached at (510) 842-8695.

Sincerely,

Brett L. Hunter  
Environmental Engineer  
Site Assessment and Remediation

Attachment

cc: Amy Leach, Alameda County Health Services, 1131 Harbor Bay Prkwy., 2nd Floor, Alameda,  
CA 94502 (w/o attach.)  
Rich Hiatt, San Francisco Bay RWQCB, Oakland, CA (w/o attach.)  
Kevin Hinkley, 5269 Crow Canyon Road, Castro Valley, CA 94546 (w/o attach.)  
Bette Owen, Chevron USA, Products Company, San Ramon, CA (w/o attach.)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

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

StId 670

September 29, 1995

Brett Hunter  
Chevron U.S.A. Products Company  
Site Assessment & Remediation Group  
P.O. Box 5004  
San Ramon CA 94583-0804

Subject: Comments on the 9/26/95 meeting and continued investigations at the Former Chevron Station located at 5269 Crow Canyon Road, Castro Valley, CA

Dear Mr. Hunter:

Thank you for meeting with Scott Seery and me at our office on September 26, 1995 to discuss the subject site. We agreed during this meeting that because of the potential threat of exposure to elevated levels of contamination emanating from the site to sensitive receptors (i.e. residential properties and Crow Creek) located down gradient, this site is a *priority* in regard to determining the best remedial action to protect human health and water quality in the area. In regard to issues of concern that we discussed during our meeting, you committed to completing the following items and/or submitting reports to this office by the end of November 1995:

1. The groundwater extraction system, which has been shut-off since May 1995, will be restarted by the end of October. Groundwater from RW and C-9 will be sampled and analyzed *prior to* restarting the system in order to evaluate the ambient levels of contamination in the absence of a pumping influence.
2. Submit the next quarterly monitoring report. This report will include groundwater data from extraction wells RW and C-9 and isoconcentration maps for biodegradation parameters (i.e. dissolved oxygen, sulfate, nitrate, etc.), TPHg, and BTEX.
3. Complete an initial risk assessment using the ASTM *ES 38-94 Emergency Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites Tier 1 Risk-Based Screening Levels* using probable residential exposure pathways from groundwater. This initial risk assessment should use site-specific BTEX levels found in the vicinity of C-9 and C-12. The report of the risk assessment results will include a summary and recommendations section.
4. Based on the findings of the initial risk assessment, a due date will be proposed for the submittal of a remedial investigation/feasibility study for this site. We discussed that



Chevron/Hunter

Re: 5269 Crow Canyon Rd.

September 29, 1995

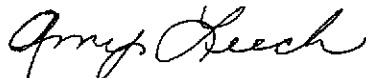
Page 2 of 2

in addition to (or to replace altogether) the existing groundwater extraction system, the feasibility of other remedial actions should be considered such as, soil vapor and groundwater extraction from within the UST pit, biostimulation, installation of containment structures along Waterford Place, or although not discussed during our meeting, vacuum enhanced pump and treat (dual-phase extraction).

5. Insure that all extraction and monitoring wells are secure from unauthorized entry. During an on-site visit today, we noticed that the Christy boxes were not secure and/or the casing locks were missing for extraction wells RW and C-9, as well as, monitoring wells C-6 and C-12.

We look forward to working with you towards better characterizing and determining the best corrective action at this site. Please contact me at (510)567-6755 if you have any questions or concerns.

Sincerely,



Amy Leech

Hazardous Materials Specialist

- c: Acting Chief of Environmental Protection - File(ALL)  
Gil Jensen, Alameda County District Attorney's Office  
Ravi Arulanantham, RWQCB  
Kevin Graves, RWQCB  
Jim Ferdinand, Alameda County Fire Department



**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

July 17, 1992

~~Mr. Rich Hiett  
San Francisco Bay Regional Water Quality Control Board  
2101 Webster Street, Suite 500  
Oakland, CA 94612~~

92 JUL 21 1992

Subject: Former Chevron Station # 9-5607, 5269 Crow Canyon Road, Castro Valley, CA  
Report of Progress on Fate and Transport Modeling to Evaluate Extraction System

Dear Mr. Hiett:

In my letter to the San Francisco Bay Regional Water Quality Control Board (RWQCB) dated June 26, 1992, I offered to submit a report documenting the use of a fate and transport model to evaluate the effectiveness of the current groundwater extraction system at the subject site. The hydrologists at Chevron Research and Technology Company (CRTC) in Richmond, California have mostly completed the modeling and evaluation of the current extraction system, however, I have asked that they also model and evaluate possible modifications to the extraction system. ~~I will have CRTC look at the long term effects of additional extraction wells at various locations.~~ I have also asked Chevron's remediation consultant, Geraghty and Miller Inc. (GM), to generate cost estimates for performing various modifications to the extraction system. ~~I believe that this additional data will allow me to present reliable information concerning the current extraction system's performance as well as the performance and cost of possible modifications to the system.~~

I apologize that this process is requiring more time than I previously expected, but I assure you that Chevron and its consultants are moving forward in a timely manner while not sacrificing the quality of the information being compiled. I expect that CRTC's modeling report will be finalized within four weeks, thus allowing me to review their evaluation and propose a plan of action for your review by August 31, 1992.

In the meantime, if you have any questions or comments I can be reached at (510) 842-8658.

Sincerely,

Clint B. Rogers  
Environmental Engineer  
Site Assessment and Remediation

cc: Scott Seery, Alameda County Health Department, Oakland, CA  
Kevin Hinckley, 5269 Crow Canyon Road, Castro Valley, CA 94546  
Paul Hehn, Geraghty and Miller, Richmond, CA  
Sheldon Nelson, CRTC, Richmond, CA

7/9/92



**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 JUL -7 P. 2: 27

**SEND VIA PRIORITY MAIL**

**June 26, 1992**

~~Mr. Steven Ritchie  
San Francisco Bay Regional Water Quality Control Board  
2101 Webster Street, Suite 500  
Oakland, CA 94612~~

Subject: Former Chevron Station # 9-5607, 5269 Crow Canyon Road, Castro Valley, CA  
Enclosed "Response to RWQCB Inquiry" (Geraghty & Miller, 6/22/92)

Dear Mr. Ritchie:

This letter is written in response to your letter to me dated June 4, 1992 regarding the subject site. Your letter addressed the referral of the case to the Regional Water Quality Control Board (RWQCB) by the Alameda County Health Department (ACHD), stated the opinion of RWQCB staff concerning the effectiveness of the groundwater extraction system, alleged a lack of diligent effort by Chevron, and requested extraction system performance information from Chevron.

The RWQCB letter stated that the Alameda County Health Department (ACHD) had referred the subject case to the RWQCB for possible enforcement action. I first became aware of the ACHD's intentions on April 23, 1992 upon receiving a letter from the ACHD dated April 17. I promptly called Mr. Seery on April 23 to inquire as to the reason for what was to me an unexpected action which came without warning. Mr. Seery explained that RWQCB staff would be requesting information from Chevron regarding the groundwater extraction system at the site. On that same day, April 23, I left a telephone message for Mr. Rich Hiett of the RWQCB asking for the type of information that I should prepare. Mr. Hiett called me on May 19 and expressed his intention to write me a letter requesting performance data on the extraction system. Immediately following my conversation with Mr. Hiett, I contacted Geraghty & Miller (GM), the consulting firm contracted by Chevron to operate the extraction system, and instructed them to begin preparing the available extraction system data. Upon receiving the June 4 letter from the RWQCB on June 8, I made arrangements to meet the following day, June 9, with members of GM and Chevron Research and Technology Company (CRTC) to discuss the preparation of the specific information requested in the RWQCB letter. It has been and continues to be my intention to prevent the need for an enforcement action by the RWQCB. I have been under the impression that enforcement orders were only issued in cases where the responsible party refuses to cooperate with the regulatory agency. I would like to assert that, as evidenced by my prompt reactions outlined above, I am eager to share in a cooperative effort with the ACHD and the RWQCB.

The RWQCB letter of June 4 indicated that following a review of the case, the RWQCB staff feels

Mr. Steven Ritchie  
June 26, 1992  
Page 2

that Chevron is "not making a diligent effort towards implementing a groundwater cleanup" at the site. The letter alleged that extraction system performance data had been requested from Chevron in the past by the RWQCB (verbally to Ms. Nancy Vukelich on February 14, 1991) and by the ACHD (in a letter to Mr. Clint Rogers dated February 15, 1991), but the information had never been received. I have no knowledge of either request. I am, however, aware that Ms. Vukelich informed the RWQCB and the ACHD during a meeting on February 14, 1991 that she was no longer the project manager for this site, but that Clint Rogers had assumed those duties. While I did receive a letter from Scott Seery of the ACHD dated February 15, 1991 (enclosed), the letter did not include a request for extraction system performance data. The letter quoted groundwater monitoring and extraction data taken from file reports dating from 1985 through 1990, expressed dissatisfaction with the effectiveness of the single-well extraction system, and called for a more aggressive extraction approach. I agreed that the effectiveness of the system could be improved and began plans to add an additional extraction well. In addition, I enlisted the services of GM in place of the previous consulting firm, whose performance had not met the expectations of Chevron or the ACHD. In the months that followed, Chevron and GM worked closely with the Forest Creek Townhomes residents association to enact the addition of well C-9 to the extraction system with as little inconvenience to the residents as possible. Unfortunately this required a great deal of communications, negotiations, and compromises which caused the project to take longer than expected. In light of Chevron's and GM's careful efforts throughout this painstaking and costly process, I do not agree with the RWQCB's accusation that Chevron has not made a diligent effort at this site.

The RWQCB letter of June 4, 1992 requested that Chevron submit by June 29 a report addressing a specific list of questions regarding the past and present performance of the groundwater extraction system. I have enclosed a report dated June 22, 1992 which was prepared by GM, Chevron's consultant, to respond to the RWQCB inquiry. I trust that the information within the GM report meets with your request.

The June 4 letter from the RWQCB expressed the opinion of its staff that "the effectiveness of the groundwater extraction system appears highly questionable based on observation of the off-site monitor wells data." My own review of the off-site monitor wells data leads me to believe that the off-site concentrations of dissolved hydrocarbons have not increased over the past two years since off-site wells were installed. Due to the high clay content of the soil beneath the surface and the presence of business and residence structures above the surface, the site does not lend itself to a speedy clean-up plan such as may be applicable through vapor extraction of a permeable soil or excavation of a vacant lot. For this reason, the goal of the extraction system at this particular site is not to directly "clean up" the off-site dissolved hydrocarbons, but to lessen the migration of separate-phase or highly concentrated dissolved hydrocarbons from the on-site source area in order to allow natural degradation of the hydrocarbons at the perimeter of the dissolved plume to occur at least as quickly as the transport of the dissolved hydrocarbons. In other words, to at least freeze the overall downgradient movement of the perimeter of the plume so that the hydrocarbons are degraded before they pose a threat to any sensitive downgradient receptor. In this case it would seem that the "receptor" is Crow Creek, located approximately 250 feet downgradient from the source area. I am not familiar with the beneficial use, if any, of Crow Creek, and therefore I would welcome any feedback your agency could provide regarding the uses of the Crow Creek drainage.

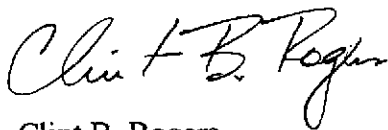
In order, then, to ascertain the effectiveness of the extraction system one needs to ask whether it is

Mr. Steven Ritchie  
June 26, 1992  
Page 3

meeting its goal. Based upon the concentrations of dissolved hydrocarbons in the four wells nearest the creek (C-10A, C-10B, C-15, and C-16 run roughly parallel to and approximately 40 feet upgradient from the creek), the perimeter of the dissolved benzene plume does not extend to the creek now nor has it shown any progression toward the creek during the last two years of quarterly monitoring. To determine whether the perimeter of the dissolved benzene plume will migrate toward the creek in the future, I have enlisted the expertise of hydrogeologists at the Chevron Research and Technology Company (CRTC) in Richmond, California. CRTC has employed a fate and transport groundwater model titled "MODFLOW MT3D" to determine the projected characteristics of the benzene plume in the future. The model uses actual historic data collected during investigative drilling, groundwater monitoring, and extraction system monitoring as well as empirical constants and published values. The model is validated by its calibration to actual data collected from the site over time. I would like to use the results of the modeling to determine the effectiveness of the extraction system in terms of meeting its goal. I will have the results in report form for submittal to the RWQCB and ACHD by July 20 (three weeks from now). Based upon the results of the modeling, Chevron will submit a work plan for additional work if deemed necessary by the RWQCB and the the ACHD.

In the meantime, if you have any questions or comments I can be reached at (510) 842-8658.

Sincerely,



Clint B. Rogers  
Environmental Engineer  
Site Assessment and Remediation

Enclosure

cc: Scott Seery, Alameda County Health Department, Oakland, CA  
Kevin Hinckley, 5269 Crow Canyon Road, Castro Valley, CA 94546  
Paul Hehn, Geraghty and Miller, Richmond, CA (w/o enclosure)  
Sheldon Nelson, CRTC, Richmond, CA

## CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SAN FRANCISCO BAY REGION

2101 WEBSTER STREET, SUITE 500

OAKLAND, CA 94612

(415) 464-1255



92 JUN 10 PM 2:40

June 4, 1992

Mr. Clint Rogers  
Chevron USA Inc.  
P.O. Box 5004  
San Ramon, CA 94583-0804

File: UST (RCH)

RE: **FORMER CHEVRON STATION #9-5607, 5269 CROW CANYON ROAD, CASTRO VALLEY, ALAMEDA COUNTY**

Dear Mr. Rogers:

As you are aware the Alameda County Health Department (ACHD), is acting as the Board's representative for UST related investigations and cleanups under the State's Local Oversight Program. Mr. Scott Seery, Senior Hazardous Materials Specialist with ACHD and case handler for your site, has referred your case to this Board for possible enforcement action.

Following Board staff review, I have been notified that it appears you are not making a diligent effort towards implementing a groundwater cleanup at your site. I understand from my staff that you have made some progress in addressing free product removal. However, the effectiveness of the groundwater extraction system appears highly questionable based on observation of the off-site monitor wells data. Data regarding the effectiveness of this system's operation has never been received by this office. ~~System's performance data has been requested both verbally from your predecessor Ms. Nancy Vukelich (Regional Board Meeting 1/14/91), and from yourself in a 2/15/91 letter from Mr. Seery.~~

I am not aware of any progress you have made in response to the above requests. Therefore, pursuant to the Regional Board's authority under Section 13267 of the California Water Code, you are hereby required to submit a report to timely respond to the following concerns:

1. A description of the performance data on your groundwater extraction system including:
  - a) The radius of influence of the initial extraction well RW based on actual groundwater influence data.
  - b) Historical extraction rates from extraction well RW from 1986-present.
  - c) An evaluation of this extraction well RW's effectiveness and a description of why you chose to expand your extraction system to include only well C-9.

- d) A description of the expanded system's effectiveness (zones of capture, extraction rates, etc.)
2. If your current system is incapable of complete plume capture, please submit a workplan to describe:
- a) The design of a system that will be able to capture the dissolved plume.
  - b) An implementation schedule for the construction of 2(a) with milestones for:
    - i) feasibility study (if necessary)
    - ii) drilling permits and easement permits (if necessary)
    - iii) county review time
    - iv) construction

This report is due to my office June 29, 1992. You should be aware that failure to submit or late submittal may result in fines up to \$1000 per day of delinquency.

Both of the agencies involved in this project are looking forward to a timely completion of all of the above issues and concerns. Please continue to coordinate your implementation schedules with the Alameda County Health Department. Richard Hiatt is available from my staff for questions regarding the contents of this letter at (510) 464-4359.

Sincerely,



Steven R. Ritchie  
Executive Officer

cc: Mr. Scott Seery, ACHD  
Mr. Gil Jensen, Alameda County District Attorney's Office



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

April 17, 1992

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

Mr. Clint Rogers  
Chevron U.S.A. Inc.  
P.O. Box 5004  
San Ramon, CA 94583-0804

RE: FORMER CHEVRON STATION #9-5607, 5269 CROW CANYON ROAD, CASTRO  
VALLEY, ALAMEDA COUNTY

Dear Mr. Rogers:

Following review of the remediation case file for the referenced site and consultation with staff of the San Francisco Bay Regional Water Quality Control Board (RWQCB), this case has been referred to RWQCB to consider for possible enforcement action.

You may contact Mr. Rich Heitt of the RWQCB at 510/464-1255 should you have any questions regarding this action.

Sincerely,



Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health  
Gil Jensen, Alameda County District Attorney's Office  
Rich Heitt, RWQCB  
Howard Hatayama, DHS  
Bob Bohman, Castro Valley Fire Department  
file

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



Certified Mailer # P 367 604 313

April 26, 1991

Mr. Clint Rogers Chevron U.S.A. Inc.  
2410 Camino Ramon  
P.O. Box 5004  
San Ramon, CA 94583-0804

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

RE: CHEVRON STATION #9-5607, 5269 CROW CANYON ROAD, CASTRO VALLEY

Dear Mr. Rogers:

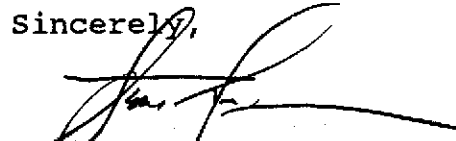
This Department is in receipt of the March 7, 1991 Alton Geoscience quarterly monitoring report, as submitted under Chevron cover dated April 16, 1991. This report has not been reviewed in detail due to the backlog of such reports. However, following a cursory review of this report, planned actions presented by Chevron regarding the reduction of sampling frequency at this site is cause for concern, both in this Department and the RWQCB. This is particularly true when the April 16 cover indicates that the consultant, Alton Geoscience, has reportedly been instructed by Chevron to implement the sampling frequency changes, without benefit of concurrence by either oversight agency.

Your attention is directed to the October 1989 State Water Resources Control Board LUFT Field Manual (Section II, Part E-12) and the August 10, 1990 San Francisco Bay RWQCB TriRegional Recommendations (Ground Water Monitoring Requirements) which pertain to the establishment of an appropriate monitoring schedule. The cited documents indicate that monitoring well sampling frequencies must be established with Regional Board staff concurrence.

At this time, you are well advised to continue with the present sampling and reporting frequency until otherwise notified.

Should you have any questions regarding the content of this letter, please contact me at 415/271-4320.

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  
Kevin Hinkley  
Stephen Rosen, Alton Geoscience

P 367 604 313

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

U.S.G.P.O. 1989-234-555

Sent to	Mr. Clint ROGERS Chevron U.S.A. Inc.
Street and No.	2410 Camino Ramon
P.O., State and ZIP Code	San Ramon, CA 94583-0804
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

PS Form 3800, June 1985

58

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

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

3. Article Addressed to: Mr. Clint ROGERS Chevron U.S.A., Inc. 2410 Camino Ramon P.O. Box 5004 SAN RAMON, CA 94583-0804	4. Article Number P 367 604 313
5. Signature - Address X [Signature]	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
6. Signature - Agent X	Always obtain signature of addressee or agent and DATE DELIVERED.
7. Date of Delivery APR 29 1991	8. Addressee's Address (ONLY if requested and fee paid)

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

Certified Mailer # P 367 604 368

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

April 24, 1991

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

RE: DEPOSIT/REFUND ACCOUNTS

Dear Ms. Wong:

This letter follows our telephone conversation this morning regarding the deposit/refund accounts for projects in Castro Valley which are presently in arrears, as they have been for several months. The monetary status of two of these projects was brought to Chevron's attention in November 1990 by way of correspondence requesting the remittance of additional funds to augment those already depleted. The initial notification was followed by a reminder phone call approximately 2 months later when the requested funds had not yet been remitted. To date, no additional funds have been received by this Department.

The following is a list of those sites for which additional funds are required:

<u>SITE</u>	<u>PROJECT</u>	<u>REQUESTED DEPOSIT</u>
3005 Castro Valley Blvd.	Station upgrades	\$375
5269 Crow Canyon Rd.	UST closures	120
2920 Castro Valley Blvd.	UST closures and station upgrades	121.50*

\* Denotes site where remittance of the noted balance will close this account

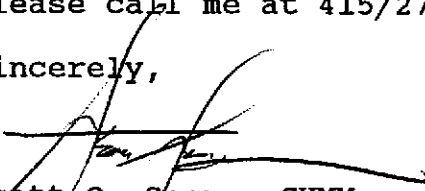
Once the requested funds are received, each project will be evaluated for closure, except where otherwise indicated. Any balances remaining after final hourly computation will be refunded.

We will expect remittance of the noted funds within 5 working days, or by May 1, 1991. Please remit 3 separate checks, one for each of the three accounts, referencing the type of project involved.

Ms. Cynthia Wong  
RE: Deposit/refund accounts, Castro Valley  
April 24, 1991  
Page 2 of 2

Please call me at 415/271-4320 should you have any questions.

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  
files



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

2410 Camino Ramon, San Ramon, California • Phone (415) 842-9500  
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

91 APR 11 10:37

Marketing Department

**April 8, 1991**

Mr. Gary Keyes  
Geraghty and Miller  
1050 Marina Way South  
Richmond, CA 94804

Re: Chevron S.S. #9-5607  
5269 Crow Canyon Road, Castro Valley, CA

Dear Gary:

As you requested during our phone conversation today, I have enclosed the following documents:

- "Special Discharge Permit," Castro Valley Sanitary District, 10/6/88
- "Permit to Operate Air Stripper," Bay Area Air Quality Mngmt. District, 9/17/90
- "Revised Monitoring Frequency," BAAQMD, 1/16/91
- "Revised Monitoring Frequency," Castro Valley Sanitary District, 1/21/91
- "Revised Monitoring Frequency," ChemPro, 1/31/91
- "Easement Agreement for station property," signed by former owner Clarence Hopkins, 8/21/90
- "Purchase and Sale Agreement for access to station property," signed by present owner Kevin Hinckley, 6/29/90
- "License Agreement for adjacent condominium property," signed by owner Diane Riggs for Forest Creek Townhomes and Walsh Property Mngmt, 9/13/89

If you need additional documents or clarifications, please don't hesitate to contact me.

To summarize our conversation, you stated that personnel from Geraghty and Miller (GM) were on site during the scheduled quarterly groundwater monitoring performed by Alton Geoscience (Alton) on March 28, 1991. GM evaluated the groundwater treatment system and recovery well (RW-1) and observed that the pump in the recovery well did not appear to be working properly. You stated that this may be the reason for the low flow rates encountered during the operation of the treatment system. Upon your recommendation, I agreed that the pump should be replaced right away. GM personnel also evaluated the discharge and recharge rates of eleven wells (RW-1, C-3, C-6, C-7, C-8, C-9, C-11, C-12, C-14, C-15, and C-16) in conjunction with purging these wells for the groundwater sampling. You stated that RW-1 sustained flow of approximately 0.4 gpm and that C-9 sustained flow of approximately 1.1 gpm. Upon your recommendation, I agreed that C-9

should be connected to the treatment system in an effort to sustain a greater flow by extracting from both RW-1 and C-9. The enclosed access agreements should be relevant for the trenching work. Please contact the property owners to obtain their verbal agreement.

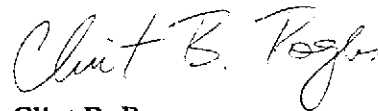
I would like GM to begin a program of operating and maintaining the treatment system. The enclosed documents define the reporting requirements for the BAAQMD and the Castro Valley Sanitary District. I will contact ChemPro to communicate this change. Please charge all GM's costs at this site to release number 5005520.

I will request that Alton provide GM with the sampling field notes and analytical data from the March 28, 1991 groundwater monitoring.

I have contacted Franssen Electric to install separate electric service to the treatment system. This will alleviate the problem of excessive electric bills for the service station owner, Kevin Hinckley.

If you have any questions or comments, please contact me at (415) 842-8658.

Sincerely,



Clint B. Rogers  
Environmental Engineer

Enclosures

cc (w/o enclosures):

Scott Seery, Alameda County Environmental Health  
Lester Feldman, San Francisco Bay RWQCB  
Kevin Hinckley, 5269 Crow Canyon Road, Castro Valley, CA 94546

REF./  
A/C NO.

M

COUNTY OF ALAMEDA  
OFFICE OF THE AUDITOR-CONTROLLER

DATE: 3/5/91

23  
1

No. 592349

55

MISCELLANEOUS RECEIPT

\$ 1,074<sup>00</sup>  
DOLLARS

RECEIVED  
FROM:

Chevron USA, PO Box 3 Concord, Ca 94524

FOR:

Chevron  
5219 Crow Canyon, Pasto Valley 94546

RECEIVED  
BY:

*[Signature]*

DEPT.

NO.: 430-453

CASH

PERSONAL/CASHIER'S CHECK/M. O. # 18372921

OTHER:

110-1 (Rev 10/85) [0134E (08)] 3-Part

Distribution: White - Payor Yellow & Pink - Depart.

801





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

2410 Camino Ramon, San Ramon, California • Phone (415) 842-9500  
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

91 MAR -6 AM 11: 03

Marketing Department

February 28, 1991

Mr. Gary Keyes  
Geraghty and Miller  
1050 Marina Way South  
Richmond, CA 94804

Re: Chevron S.S. #9-5607  
5269 Crow Canyon Road, Castro Valley, CA

Dear Gary:

As we discussed on the phone February 26, 1991, I would like Geraghty and Miller (GM) to evaluate the environmental conditions of the site referenced above and to provide consultation with Chevron U.S.A. in an effort to determine the appropriate environmental activities for this site.

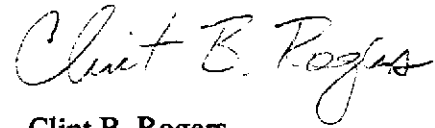
For your review, I have enclosed copies of all environmental reports (enclosure #1) generated for this site since a release of gasoline was discovered in 1985. I have also enclosed a rough hand-written history of the environmental activities at the site (enclosure #2), a letter dated February 15, 1991 from the lead agency, Alameda County (enclosure #3), excerpts from Alton Geoscience's latest groundwater monitoring report (enclosure #4), and excerpts from ChemPro's latest remediation system monitoring report (enclosure #5).

I would like to have a meeting with the GM project manager following his review of the project to discuss appropriate future activity. Because of the proximity of Crow Creek and residential areas, the steep groundwater gradient, the tight clays in the subsurface which have hindered effective hydraulic control, and the levels of dissolved hydrocarbons in the groundwater, I would like to move quickly and aggressively on this project. Please contact me by phone as soon as possible with a schedule for GM's site review and to set up a meeting between the GM project manager and myself. Upon your phone call, I will issue a release number for GM to invoice Chevron for this project.

As stated in the enclosed letter, Alameda County has asked Chevron to submit a schedule of activity and a monetary deposit by March 3, 1991. I spoke on the phone February 27, 1991 with Scott Seery at Alameda County regarding these items. I have enclosed a check with Mr. Seery's copy of this letter. I told Mr. Seery that I would schedule a meeting with the GM project manager as soon as his review of the site was complete. I indicated that I would try to schedule the meeting the week of March 18, 1991, and that some form of written plan of action would be submitted to Alameda County following this meeting.

If you have any questions or comments, please contact me at (415) 842-8658.

Sincerely,

A handwritten signature in cursive script that reads "Clint B. Rogers". The signature is written in black ink and is positioned above the printed name and title.

**Clint B. Rogers**  
**Environmental Engineer**

**Enclosures**

**cc: Scott Seery, Alameda County Environmental Health**



The Chevron Companies

CHEVRON U.S.A. INC.  
P.O. Box S, Concord, CA 94524

CHECK DATE 02/27/91  
0061  
PAGE 01 OF 01

INV DATE	INVOICE NO.	ORDER IDENTIFICATION	REF. NO.	GROSS AMOUNT	DEDUCTIONS	NET AMOUNT	
02/25/91	022591ALA		02A6EQ001WC	1,074.00		1,074.00	
	DEPOSIT COUNTY OVERSIGHT EXPENSES		CBR				
						TOTAL	1,074.00
DIRECT QUESTIONS TO: (415) 842-9576							WC
PAYEE 000191841		ALAMEDA COUNTY HEALTH CARE	ENVIRONMENTAL HEALTH DEPT	BANK MGR	00263		
001							
						<b>Check No. 68372921</b>	

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



Certified Mailer # P 062 127 963

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

February 15, 1991

Mr. Clint Rogers  
Chevron U.S.A. Inc.  
2410 Camino Ramon  
P.O. Box 5004  
San Ramon, CA 94583-0804

RE: FORMER CHEVRON STATION #9-5607, 5269 CROW CANYON BOULEVARD,  
CASTRO VALLEY, ALAMEDA COUNTY

Dear Mr. Rogers:

This letter shall serve to summarize our telephone conversation February 14, 1991, as well as to present a discussion relevant to the history of and planned future actions at the referenced Castro Valley site. As you may recall, this conversation followed in the wake of a February 14 meeting between representatives of this Department, RWQCB and Ms. Nancy Vukelich of Chevron. Several "free product" cases were discussed, including the referenced site.

As I explained to Ms. Vukelich during the February 14 meeting, this Department only recently became aware that RWQCB staff were not directing the work at the Crow Canyon Road site. We now understand that Chevron was operating under "self monitoring" status at this site, as they had since contamination was first discovered in several of 8 wells installed on or about this site during early 1985.

The present recovery well and treatment system was implemented following the discovery of 4.3 feet of free product in well C-3. A ninth well, C-9, was completed a year later (July 1986) <sup>June 85</sup> approximately 100-feet downgradient of the site and within the adjoining housing tract. Our data indicates that for the first 4.5 years since discovery of a release at this site, no samples were collected from any of the wells to analyze for dissolved fuel constituents; only subjective monitoring for the presence of free product was performed. This action continued through August 1989 in spite of a recommendation made during the fall of 1985 by Groundwater Technology, Inc. (GTI), Chevron's consultant for this site during the first two years of the investigation, that well C-9 be monitored monthly for the presence of dissolved constituents.

Mr. Clint Rogers  
RE: Chevron Station #9-5607  
February 15, 1991  
Page 2 of 3

Once chemical data became available beginning September 1989 for the ten original wells (9 monitoring; 1 recovery), it became evident that the plume had substantially migrated off-site. The analyses of samples collected from eight (8) additional wells installed both up- and downgradient during the first quarter of 1990 have further substantiated this fact as nearly all of these well, the exceptions being wells C-10B, -14, and -16, have shown detectable concentrations of dissolved phase fuel constituents at some time during the first three quarters of 1990. Several of those wells installed during 1990 which show detectable concentrations of fuel constituents are at a distance from the site of approximately 275 feet (e.g., C-10, -11, and -15). Further, chemical data available up to and including the September 1990 sampling event clearly indicate that the current treatment system has been ineffective at either successfully capturing the plume or significantly reducing the concentrations of fuel constituents found in even those wells most proximal to the recovery well. The plume is continuing to migrate away from the site.

As we discussed, calculations based upon the original pump tests performed by GTI during 1985, as presented in an undated GTI report during the fall or winter of that same year, identified the extent of the theoretical capture zone of the aquifer underlying this site. The theoretical capture zone radius at a pumping rate of 1 gallon per minute (gpm) extended approximately 18.5 feet from the recovery well, or about as far as the distance from the recovery well to monitoring well C-4. Based on GTI's calculations, a pumping rate of approximately 4 gpm was required to effectively capture ground water as far as well C-9. Currently, we understand the pumping rate to be only 0.04 gpm. We do not know how long the system has been operating at this marginal rate, nor what the pumping rate has been in the past. However, as stated previously, the data clearly shows that this system has had little if any effect in reducing dissolved concentrations of fuel constituents on- or off-site.

Ms. Vukelich indicated that Chevron currently has plans to install additional wells and an additional (?) extraction system. During our phone conversation you indicated that it may take several weeks before you are sufficiently up-to-date with this site to formally propose to this Department and the RWQCB the additional wells and extraction system. At this time you are requested to submit a tentative schedule for the submittal of your formal proposal for the additional work at the site. **We request that this schedule be submitted within 15 days, or by March 3, 1991.** Please be advised that this Department and the RWQCB are very concerned about the lack of any significant progress at this site during the last 6 years, and will be expecting to see a very aggressive approach by Chevron in solving the problems in the future.

Mr. Clint Rogers  
RE: Chevron Station #9-5607  
February 15, 1991  
Page 3 of 3

We understand that the product which was released from the site was leaded regular. This Department has no information supporting that water samples have been screened for the presence of organolead. Therefore, please be advised that future sampling events must include analyses for this compound to determine whether organolead is present and should be of concern. As organolead is extremely volatile, sampling protocol must reflect this fact. Further, this Department is of the opinion that sampling of wells C-4 and -8 should continue on a quarterly basis, at a minimum, until further notice. We feel that the data provided by the sampling of these two wells will continue help gauge the effectiveness of the revamped extraction system. We do agree, however, that the information provided by well C-2 to be redundant to that information provided by C-1. Therefore, well C-2 may be sampled on a yearly basis as proposed.

As we further discussed, for this Department to begin oversight of this case, you are requested to remit a deposit totalling \$1074. The deposit, authorized by Section 3-141.6 of the Alameda County Ordinance Code, is placed into an account from which funds are drawn at the current rate of \$67 per hour, deferring costs incurred by the county in oversight of this project. Funds remaining in the account at the close of the project will be promptly refunded. Conversely, should these funds be depleted before completion of the project, additional funds will be requested. This deposit is due with the submittal of your tentative work schedule, or by March 3, 1991.

I look favorably to working with you in the future. Please contact me at 415/271-4320 should you have any questions.

Sincerely,



Scott O. Seery  
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  
Kevin Hinkley  
files

P 062 127 963

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	Mr. Clint Rogers Chevron USA
Street and No.	2410 Camino Ramon
P.O. Box and / P.O. Name	SAN RAMON, CA
Postage	94583-0804
Carried Fee	
Special Delivery Fee	
Registered Delivery Fee	
Postage and Fees	
Postmark or Date	

PS Form 3800, 3/78

SS

**SENDER: Complete items 1 and 2 v** Additional services are available and complete items 3 and 4.

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

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

3. Article Addressed to: Mr. Clint Rogers Chevron USA 2410 Camino Ramon P.O. Box 5004 San Ramon, CA 94583-0804	4. Article Number P 062 127 963
5. Signature - Address X	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
6. Signature - Agent X [Signature]	Always obtain signature of addressee or agent and DATE DELIVERED.
7. Date of Delivery [Date]	8. Addressee's Address (ONLY if requested and fee paid)

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



February 14, 1991

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

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

RE: FORMER CHEVRON STATIONS #9-2960 AND #9-5607, 2416 GROVE WAY AND  
5269 CROW CANYON ROAD, CASTRO VALLEY, ALAMEDA COUNTY

Dear Ms. Vukelich:

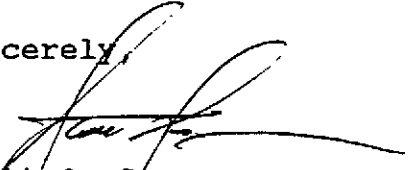
Thank you for taking the time this morning to meet with representatives of this Department and the RWQCB to discuss the status of several "free product" cases throughout Alameda County. Of the sites discussed this morning, the two Castro Valley sites referenced above are within my district, as are all facilities within the Castro Valley area. I understand that you will continue to be the Chevron contact for station #9-2960, and Mr. Clint Rogers will be handling station #9-5607.

I have already contacted Mr. Rogers by phone this afternoon and briefly discussed the Crow Canyon Road site with him. Mr. Rogers informed me that he is currently aware of the problems associated with the present pump and treat system at the site, but that it will likely take several weeks before he is adequately up-to-date with the site and any plans for future well installations and treatment systems. I will be addressing a separate letter to him requesting a tentative schedule for the submittal of a proposal for the new wells and treatment system, as well as for the submittal of a deposit to cover county costs for oversight of the project.

From our discussions this morning I understand that your consultant is currently in the process of designing a dedicated remediation system for the Grove Way site. I further understand that you expect to receive a proposal for this system from the consultant in the next several weeks. Please forward copies of this remediation proposal to the RWQCB and this Department for review before the system's implementation.

I look forward to working with you in the future. Please feel free to contact me at 415/271-4320 with any questions or comments you may have.

Sincerely,

  
Scott O. Seery  
Hazardous Materials Specialist



Ms. Nancy Vukelich  
RE: 2416 Grove Way, 5269 Crow Canyon Road  
February 14, 1991  
Page 2 of 2

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  
Clint Rogers, Chevron  
files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

white -env.health yellow -facility pink -files

Hazardous Materials Inspection Form

II, III

Site ID # Site Name Chevron Today's Date 10/11/90

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 5269 Crow Canyon Rd

City Castro Valley Zip 94 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 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)

III. UNDERGROUND TANKS (Title 23)

- 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

Comments: 2:00 - On-site to witness extent of excavation and sampling efforts. Upon arrival, I was met by Richard Blaine of Blaine Tech Services and Nancy Vukelich of Chevron.

- 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

The excavator had, since my last site visit, ramped into the excavation from the east and had been successful at removing the pea gravel backfill from the UST pit. Observations suggested that further sampling the pit should concentrate in the NW corner where the highest conc. of TPH had been identified. This corner was further excavated to ~22 feet BG; field screened soil produced "off scale" readings in at least a couple instances. A sample was collected from a bucket of soil from this sector of the pit which field screened at approx. 1,300 ppm.

- 7. Precs Tank Test Date: 2643
8. Inventory Rec. 2644
9. Soil Testing 2646
10. Ground Water. 2647

The instrument used, Gastech 1314, has a scale between 0-500ppm and 0-10,000. "off-scale" is, in this sense, >10,000 ppm.

- 11. Monitor Plan 2632
12. Access. Secure 2634
13. Plans Submit Date: 2711
14. As Built Date: 2635

Rev 6/88

Contact: Nancy Vukelich
Title: env. engineer
Signature: Nancy Vukelich

Inspector: S. Seery
Signature: S. Seery

II, III





view showing  
extent of  
excavation

01017130013-0  
Chevron  
5269 Crow Cyn Rd

10-11-90



view of  
excavator in  
NW corner  
of pit

01017130013-0  
Chevron  
5269 Crow Cyn Rd

10-11-90

white -env.health  
 yellow -facility  
 pink -files

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

## Hazardous Materials Inspection Form

II, III

Site ID # \_\_\_\_\_ Site Name Chevron Today's Date 10/5/90

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

- \_\_\_ 1. Immediate Reporting 2703
- \_\_\_ 2. Bus. Plan Slids. 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 5269 Crow Cyn Rd  
 City Castro Valley Zip 94546 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 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. OrSite Conseq. Assess. 25524(c)
- \_\_\_ 15. Probable Risk Assessment 25534(d)
- \_\_\_ 16. Persons Responsible 25534(g)
- \_\_\_ 17. Certification 25534(i)
- \_\_\_ 18. Exemption Request? (Y/N) 25536(b)
- \_\_\_ 19. 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 Groundwater 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 \_\_\_\_\_

- \_\_\_ 7. Precs Tank Test 2643  
Date: \_\_\_\_\_
- \_\_\_ 8. Inventory Rec. 2644
- \_\_\_ 9. Soil Testing 2646
- \_\_\_ 10. Ground Water. 2647

- New Tanks
- \_\_\_ 11. Monitor Plan 2632
  - \_\_\_ 12. Access. Secure 2634
  - \_\_\_ 13. Plans Submit 2711  
Date: \_\_\_\_\_
  - \_\_\_ 14. As Built 2635  
Date: \_\_\_\_\_

### Comments:

400-  
 On site to observe additional excavation sampling. By 5:15, the NW corner of hole (near wells C-1 & C-2) was deepened to approx 22' BG. Material brought from this depth to the surface by the track hoe was screened using a Gasteck which read in both LEL and PPM, to 500ppm. Each bucket of soil was very hot (>500ppm), and off-scale. One (1) sample was collected from a depth of 15' BG from the sidewall directly adjacent to well C-2; this material was just below a band of vivid blue-grey sand (backfill?), and was itself a chocolate brown color. It was screened in the field before collection and it too went off-scale. Another sample was collected from a "pocket" of blueish sand and concrete rubble along the northern extent of the eastern wall, from a depth of ~11' BG.

Rev 6/88

Contact: C. Wong  
 Title: engineer  
 Signature: [Signature]

Inspector: S. Seung  
 Signature: [Signature]

II, III



Sampling from material along east wall of excavation

01017130013-0  
Chevron  
5269 Cr Cynn Rd

10-5-90



- east wall of excavation

01017130013-0  
Chevron  
5269 Cr Cynn Rd

10-5-90



view of pit towards west; well C-2 indicated

01017130013-0

Chevron  
5269 Cr Cynn Rd

10-5-90

white -env.health  
 yellow -facillity  
 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 Chexxon Today's Date 10/2/90

II.A BUSINESS PLANS (Title 19)

- \_\_\_ 1. Immediate Reporting 2703
- \_\_\_ 2. Bus. Plan Sids. 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 5269 Crow Cnyn Rd  
 City Castro Valley Zip 94546 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 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(e)
- \_\_\_ 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)

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 sols
    - 3) Daily Vadose One time sols Annual tank test
    - 4) Monthly Groundwater One time sols
    - 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

- \_\_\_ 7. Precs Tank Test Date: \_\_\_\_\_ 2643
- \_\_\_ 8. Inventory Rec. 2644
- \_\_\_ 9. Soil Testing 2646
- \_\_\_ 10. Ground Water. 2647

- New Tanks
- \_\_\_ 11. Monitor Plan 2632
  - \_\_\_ 12. Access, Secure 2634
  - \_\_\_ 13. Plans Submit Date: \_\_\_\_\_ 2711
  - \_\_\_ 14. As Built Date: \_\_\_\_\_ 2635

Comments: 1:30-4:15 4:30-5:30  
 On-site to witness UST closures. Three (3) UST are being removed w/o any replacement planned. One (1) waste oil tank will remain. Bob Bohman (CVFD) and Cynthia Wong (Chexxon) on-site as well. Tank manifests verified by Mr. Bohman. Apparently, the tanks were "Triple-rinsed" before CO<sub>2</sub> was added.  
 At least three (3) monitoring wells located in the tank pit were destroyed during this closure identified by arrows (▲), above.  
 All tanks are <sup>46)</sup>FRP, and appear intact.  
 Sample #1 from N end of E tank. Soil is discolored & smells of old weathered product.  
 Sample #2 from S end of E tank. This soil black w/ numerous roots; material smells like w.o.  
 Sample #3 from N end of center tank. Water was noted in weathered bedrock interstices.

Rev 6/88

Contact: Cynthia Wong

Title: Chexxon Eng.

Signature: Cynthia Wong

Inspector: S. J. [Signature]

Signature: [Signature]

II, III

white -env.health  
yellow -facility  
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Inspection Form

II, III

Site ID # \_\_\_\_\_ Site Name Chorron Today's Date 10/2/90

II.A BUSINESS PLANS (Title 19)

- \_\_\_ 1. Immediate Reporting 2703
- \_\_\_ 2. Bus Plan Stds. 25503(b)
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- \_\_\_ 6. Emergency Response 25504(b)
- \_\_\_ 7. Training 25504(c)
- \_\_\_ 8. Deficiency 25505(a)
- \_\_\_ 9. Modification 25505(b)

Site Address 5269 Crow Cnyn Rd.  
City Castro Valley Zip 94546 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 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? 25536

\* 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 \_\_\_\_\_
- \_\_\_ 7. Precs Tank Test 2643
  - Date: \_\_\_\_\_
- \_\_\_ 8. Inventory Rec. 2644
- \_\_\_ 9. Soil Testing 2646
- \_\_\_ 10. Ground Water. 2647
- New Tanks**
- \_\_\_ 11. Monitor Plan 2632
- \_\_\_ 12. Access. Secure 2634
- \_\_\_ 13. Plans Submit 2711
  - Date: \_\_\_\_\_
- \_\_\_ 14. As Built 2635
  - Date: \_\_\_\_\_

**Comments:**  
 Sample #4 collected from N end of W tank. Soil is damp w/ little HC color.  
 Sample #5 collected from S end of W tank. Soil is damp, drk, and absolutely riddled w/ CaCO<sub>3</sub> interstitial filling.  
 Sample #6 collected from S end of center tank. Soil is moist, very slight HC color.

[ Fred Van Den Broeck, representing Blaine Tech Services, was the sample collector. ]

One (1) sample was collected from each piping trench; so two (2) samples total were collected.

A four (4) sample composite was collected from the apparently "hot" stock pile.

∴ Direction was given to continue the removal of prograde from UST pit, excavate areas of contamination, and call when ready to collect confirmatory samples. Further analysis for organolead was requested for samples beneath center tank.

Contact: Cynthia Wong

Title: Chorron Eng.

Signature: [Signature]

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

Signature: [Signature]





01017130013-0 10-2-90  
Chevron  
5269 Coyote Cyn Rd  
Castro Valley



01017130013-0 10-2-90  
Chevron  
5269 Coyote Cyn Rd  
Castro Valley

**STATE  
COMPENSATION  
INSURANCE  
FUND**

P.O. BOX 807, SAN FRANCISCO, CA 94101-0807

**CERTIFICATE OF WORKERS' COMPENSATION INSURANCE**  
AUGUST 20, 1990

571-89 UNIT 0001486  
10-1-90

POLICY NUMBER:  
CERTIFICATE EXPIRES:

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION  
80 SWAN WAY #200  
OAKLAND  
CA 94621

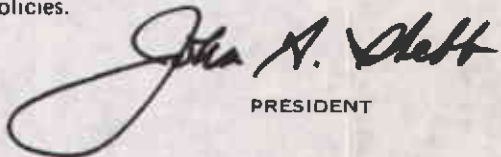
JOB: 5269 CROW CANYON RD.  
CASTRO VALLEY, CA 94546

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon ten days' advance written notice to the employer.

We will also give you TEN days' advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or other document with respect to which this certificate of insurance may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

  
PRESIDENT

EMPLOYER

THE D. B. NEFF CORP.  
DBA: GOLDEN WEST BUILDERS  
2363 BLVD. CIRCLE #103  
WALNUT CREEK  
CA 94595

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

577012  
3744.0  
8/21/90

9-17-90  
48

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name Chevron  
Business Owner Kevin Hinkley
2. Site Address 5269 Crow Canyon Rd.  
city Castro Valley Zip 94546 Phone (415) 881-1052
3. Mailing Address 2410 Camino Ramon  
city San Ramon Zip 94583 Phone (415) 842-9103
4. Land Owner KEVIN HINKLEY  
Address 5269 Crow Canyon Rd City, State CASTRO VALLEY zip 94546
5. EPA I.D. No. CAW 000030035
6. Contractor Golden West Builders  
Address 2363 Boulevard Circle  
city Walnut Creek Ca 94595 Phone (415) 930-6666  
License Type A.B. C9 Hazmat ID# 432103
7. Consultant Blaine Tech Services  
Address 1370 Tully Rd  
city San Jose Phone (408) 995-5535

8. Contact Person for Investigation

Name Cynthia Wong Title Engineer  
Phone (415) 842-9103

9. Total No. of Tanks at facility 43 note only 3 gasoline tanks  
being removed

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

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name Erickson Trucking EPA I.D. No. CAD 009466392  
Address 255 Parr Blvd  
City Richmond State Ca. zip 94801

b) Rinsate Transporter

Name Erickson Trucking EPA I.D. No. CAD009466392  
Address 255 Parr Blvd  
City Richmond State Ca zip 94801

c) Tank Transporter

Name Erickson Trucking EPA I.D. No. CAD 009466392  
Address 255 Parr Blvd  
City Richmond State Ca zip 94801

d) Tank Disposal Site

Name Erickson Trucking EPA I.D. No. CAD 009466392  
Address 255 Parr Blvd  
City Richmond State Ca zip 94801

e) Contaminated Soil Transporter

Name Erickson Trucking EPA I.D. No. CAD 009466392  
Address 255 Parr Blvd  
City Richmond State Ca zip 94801

12. Sample Collector

Name Richard Blaine  
 Company Blaine Tech Services  
 Address 1370 Tully Rd Ste 505  
 City San Jose State Ca zip 95122 Phone (408) 995-5535

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
10,000 gal.	unleaded gasoline	soil	12' (tank hole) 12' (tank hole) 12' (tank hole) IN NATIVE SOIL W/IN 2 FT. OF BACKFILL - NATIVE SOIL INTERFACE; 1 SAMPLE BELOW EACH END OF TANK EVERY 20 LINEAR FT.
10,000 gal.	reg. leaded gasoline	soil	
10,000 gal	supreme gasoline	soil	
PIPING		soil	

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

If yes, describe. 1985. Tank failure. Repaired and tested tight after repairs

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

If yes, describe. 15 POUNDS DRY ICE PER 1,000 GAL. TANK CAPACITY, OR PER LOCAL F.D. REQUIREMENTS

An explosion proof combustible gas meter shall be used to verify tank inertness.

16. Laboratories

Name Superior Analytical Labs  
 Address 825 Arnold Ste 114  
 City Martinez State Ca zip 94553  
 State Certification No. 319

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
<p>TPH</p> <p>BTEX</p>	<p><del>8010</del> 5030</p> <p><del>8020</del></p>	<p>GC FID (LUFT)</p> <p>8020</p>

18. Submit Site Safety Plan

19. Workman's Compensation: Yes  No  *on file with Alameda County B&S*

Copy of Certificate enclosed? Yes  No

Name of Insurer State Fund GRP 571 / limit 1486/B9  
*expires 10-1-90*

20. Plot Plan submitted? Yes  No

21. Deposit enclosed? Yes  No

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

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

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

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

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

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

**Signature of Contractor**

Name (please type) Ken Vandegrift  
Signature Ken Vandegrift  
Date 8-17-90

**Signature of Site Owner or Operator**

Name (please type) ~~Ken~~ Cynthia C. Wong  
Signature Cynthia C. Wong  
Date 8-16-90

SITE WORK HEALTH AND SAFETY PLAN  
CHEVRON TANK AND EQUIPMENT REMOVAL

PREPARED FOR  
ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
DEPARTMENT OF ENVIRONMENTAL HEALTH  
HAZARDOUS MATERIALS DIVISION  
80 SWAN WAY, ROOM 200  
OAKLAND, CALIFORNIA 94621

PREPARED BY  
GOLDEN WEST BUILDERS  
2363 BOULEVARD CIRCLE, SUITE 103  
WALNUT CREEK, CALIFORNIA 94595  
(415) 930-6666

AUGUST 1990



SITE WORK HEALTH AND SAFETY PLAN

CHEVRON TANK

EMERGENCY TELEPHONE NUMBERS

Fire ..... 911  
First Aid ..... 911  
Ambulance ..... 911  
Police ..... 911  
Poison Control Center ..... (408) 299-5111

Hospital

Eden Hospital  
20103 Lake ChalBot Road  
Castro Valley, CA 94546  
Trauma Center ..... (415) 537-1234

Alameda County EHD  
Scott Seery..... (415) 271-4320

Castro Valley Fire Protection District  
Bob Bownan..... (415) 670-5877

Golden West Builders  
D. Bailey Neff..... (415) 930-6666  
Rick Henderson ..... (415) 930-6666

Nearest Available Telephone at Site

PREFACE

This Site Work Health and Safety Plan has been prepared for Chevron Tank and Equipment Removal.

SITE WORK HEALTH AND SAFETY PLAN  
CHEVRON TANK AND EQUIPMENT REMOVAL

1. GENERAL

This Health and Safety Plan has been designed to conform to and/or exceed guidance standards promulgated by EPA and the California Department of Health Services, Federal OSHA regulations (29CFR1910.120) and Cal/OSHA regulations. Because considerable experienced judgement must be applied to decisions that will be made while actually working on site, it is the goal of this plan to provide maximum work efficiency while maintaining an uncompromisingly safe working environment. This plan is not a substitute for experienced judgement and direction, or for common sense during the implementation of the tank and equipment removal effort or the safety procedures outlined herein.

Golden West Builders will provide services and equipment for the tank and equipment removal work. Golden West Builders (as well as all subcontractors and independent contractors) will adhere to the Site Work Health and Safety Plan.

## 2. SITE/WORK DESCRIPTION

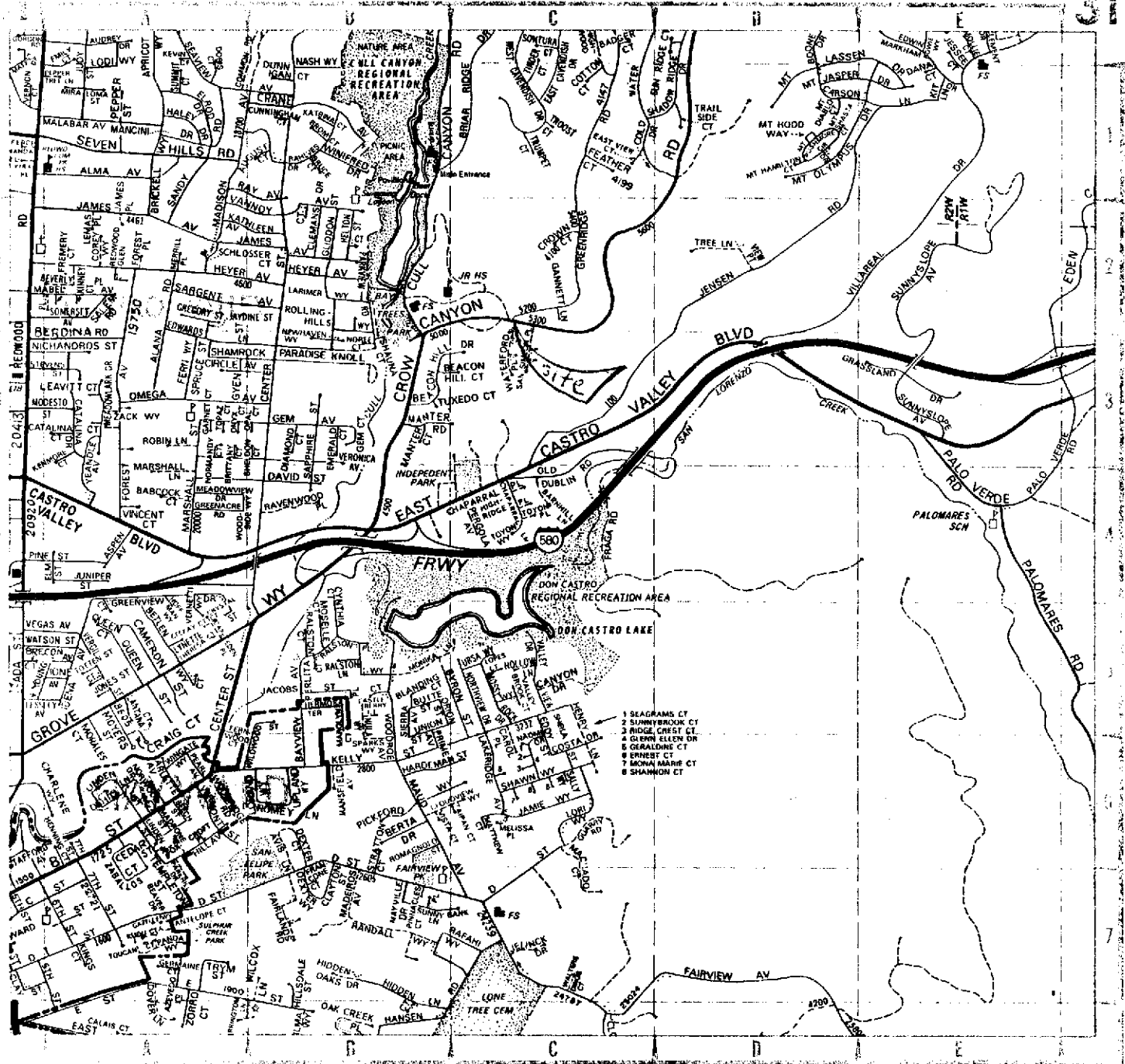
The subject property is located at the corner of Crow Canyon Rd. and Waterford Place, Castro Valley, California. The site address is 5269 Crow Canyon Rd. A site location map is provided in Figure 1 - 1.

Three buried tanks and contaminated soil, (if any), will be excavated from the site.

## 3. WORK OBJECTIVE

The overall work objective is to provide for proper and safe removal of any residual product stock, removal of underground storage tank(s) and contaminated soil (if any) to achieve proper site closure in accordance with existing local and state regulations. To achieve these objectives, the following subordinate objectives must be accomplished:

- o Monitor tank interiors for flammable or explosive concentrations.
- o Provide for safe removal of flammable or combustible vapors from tanks.



- o Provide for safe tank removal.
  
- o Provide for safe and proper tank disposal.

4. SAFETY MANAGEMENT

The field supervisor will ensure that all personnel comply with all applicable regulations and requirements of this plan. Due to the various aspects of the work specific personnel are not assigned to this project at present. Basic requirements are:

1. Personnel shall be physically able (and mentally willing) to comply with safety requirements.
  
2. A copy of this safety plan shall be posted at the job site, and a copy made available to each individual who will work at the site.
  
3. These plans should also include and/or address as a separate plan, the following:
  - a. A Worker Hazard Communication Program.

4. Periodically scheduled "tailgate safety" meetings shall be held to review the safety program. Attendees will sign the Safety Meeting notice.
5. Unsafe acts shall be stopped when discovered.
6. Required safety equipment shall be present on site and shall be checked to verify completeness and function prior to being put into service.
7. Sources of ignition will be eliminated where possible. Smoking will be strictly forbidden on site.
8. The field supervisor is Dale Size. Personnel may change depending on field conditions. Changes will be noted in the field log book.

5. HAZARDS

Identified Hazards

- o Hazards associated with general construction may occur during the course of construction. Personnel should be alert and prevent as well as avoid these hazards.

- o During tank removal, there is a significant potential for hazards from falling loads when lifting and removing tanks. Workers must be especially alert to this hazard.
  
- o During general construction activities, there is also a potential for general (construction type) safety hazards. This plan does not address general safety in detail. If personnel are frequently reminded and will cooperate in being courteous, careful, alert, and thoughtful of outlined safety procedures, and, if they use common sense in actions and in considering probable consequences, much will already have been accomplished to insure a safe working environment.
  
- o Fires may occur from sources of ignition ;
  
- o Contamination exposure is negligible on this project. Activities will cease and proper notification made if contamination is found.
  
- o No noise or electrical hazards are known to exist at the present time.



6. EXCLUDED WORK ZONE

The boundary of the site shall be an excluded work zone. Personnel not actively involved in site work activities (other than inspectors from concerned regulatory agencies) shall not be allowed within the excluded work zone.

7. HAZARD COMMUNICATION

All personnel are to be familiar with this Site Work Health and Safety Plan.

Field supervisor will telephone for emergency service and notify office when needed.

8. ON-SITE WORK PLAN

Removal of Flammable Vapors and Removal of Tanks

Removal of flammable vapors and removal of tanks will be performed in accordance with the requirements of the Castro Valley Fire Protection District and Alameda County EHD. The following are general guide lines.

A review of available codes, standards, and recommended procedures produces the following consensus:

1. All possible sources of ignition must be kept from impacting the tank or the area in which flammable vapors may reside during excavation or after removal.
2. Drain and flush all piping into the tank. Flammable or combustible free standing liquid production stock will be removed from the tank prior to removal. Avoid spilling product on the ground during disconnection of the tank from its associated lines.
3. Vent lines should not be sealed and should be cut last. Keep all sources of ignition away from vent lines as well as tanks.
4. Once all liquid has been removed from the tank, any tank with flammable vapors in excess of 10 percent of the LEL will be purged with dry ice (CO<sub>2</sub>). Fifteen pounds of dry ice per 1,000 gallons of tank capacity is added to render the tank inert. All piping except the vent pipe should be disconnected.

### Emergency Services

The address and telephone number of the local hospital, ambulance and medical emergency room should be prominently posted. In addition, the telephone number of a fire department/rescue unit should be posted.

General information regarding emergency services may be found on page 2.

### Emergency Equipment

The following emergency equipment will be available:

- o A 20-unit first aid kit.
- o ABC fire extinguishers.

### 9. DECONTAMINATION

The requirement for decontamination is anticipated to be negligible.

Pre moistened tissues will be available.

## 10. SAFETY TRAINING REQUIREMENTS

The minimum training requirements specified in Federal OSHA 1910.120 Hazardous Waste Operations and Emergency Response will be met for all remediation personnel. (If required)

## 11. EQUIPMENT

### Personal Safety Equipment

Workers engaged in tank removal shall wear/have available personal protective safety equipment as follows:

- o Hard hats.
- o Safety glasses and/or goggles.
- o Respirators.

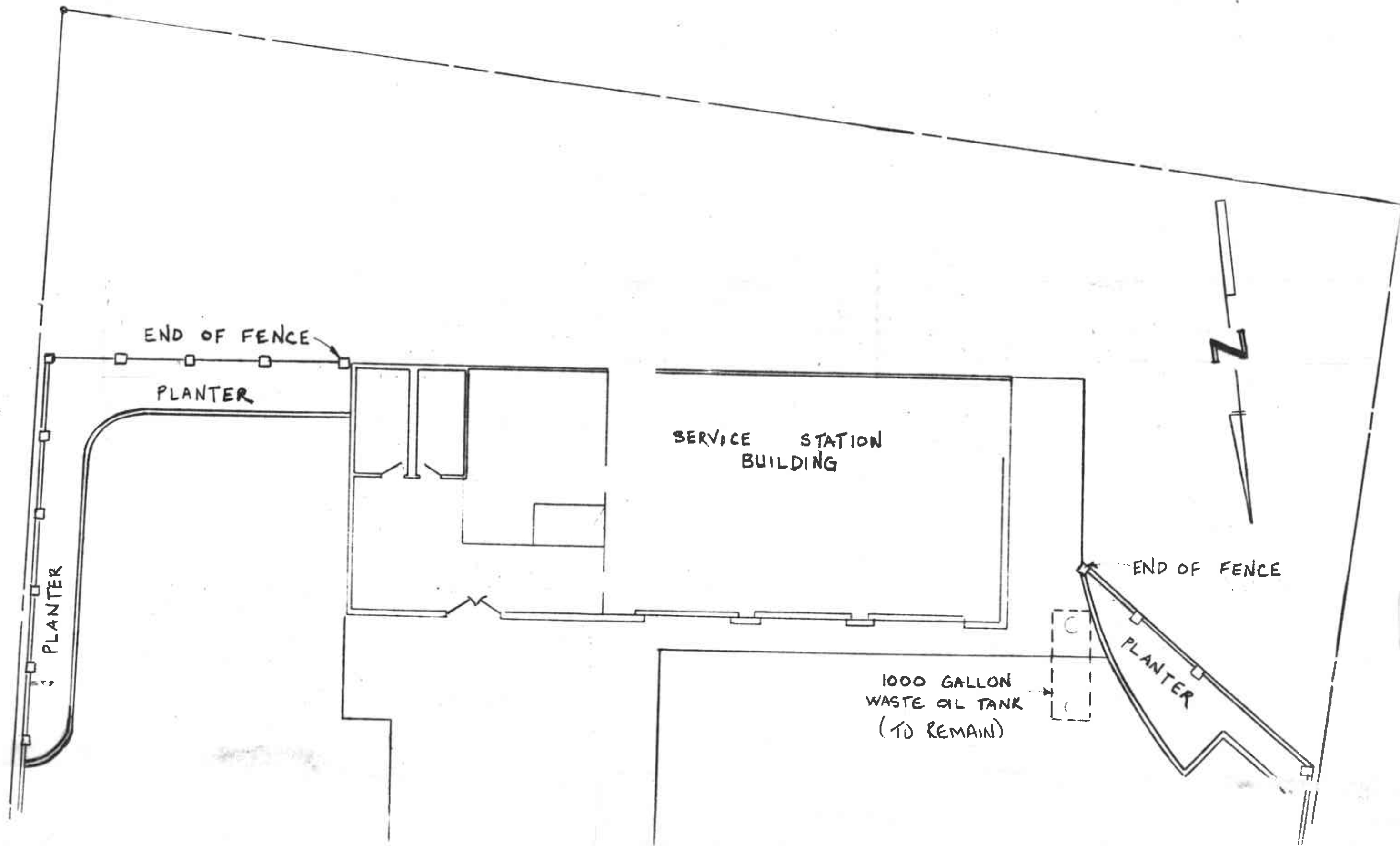
### Facility Safety Equipment

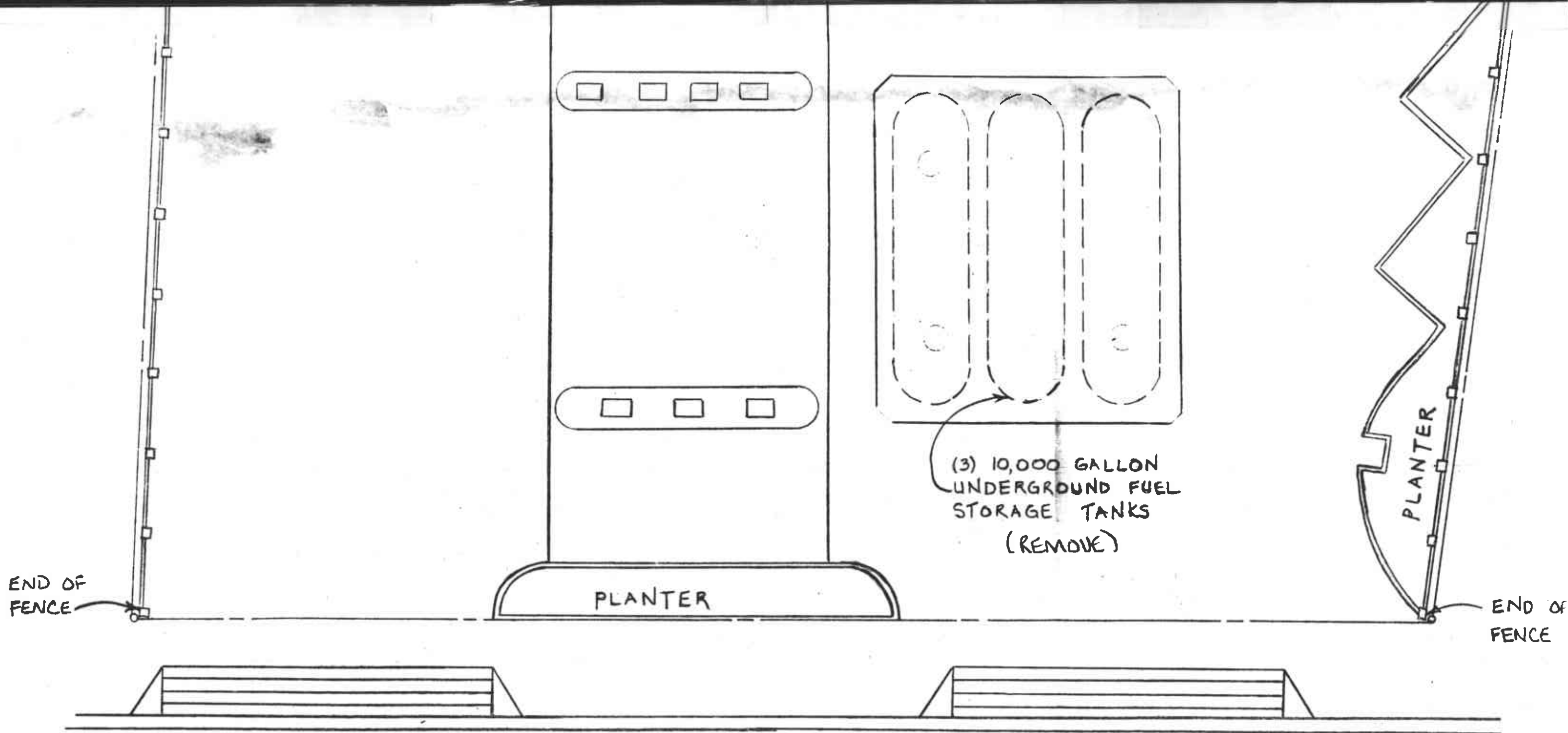
The following safety equipment shall be continuously available at the job site:

- o First aid kit (20-unit).
- o Fire extinguisher (1) ABC
- o "No Smoking" signs
- o Barricade tape.
- o Explosimeter (LEL)/Organic Vapor Analyzer

## 12. PERSONAL HEALTH AND HYGIENE

- o Personal safety and the safety of fellow workers require mental alertness on the part of all employees. No alcohol or drugs shall be permitted at any job site. Intake of alcohol and prescription drugs should be limited when an employee is assigned to hazardous material remediation projects, due to the potential for synergistic effects. Prescription drugs should not be taken without the express approval of a physician with knowledge of project/site activities.
- o Eating and smoking will only take place in an approved break area.





CROW CANYON ROAD

SITE PLAN  
CHEVRON S.S. 9-5607  
526A CROW CANYON RD.  
CASTRO VALLEY CA

SCALE 1" = 10'  
8-01-90

Chevron U.S.A. Marketing Facilities  
RWQCB Quarterly Summary  
4th quarter 1989

Date: 01/12/90

County: ALAMEDA  
Engineer: G.J.DAVITT

Chevron facility # 95607 5269 CROW CANYON RD  
CASTRO VALLEY, CA

Investigation status

---

Soil status: . . . . .IN PROGRESS  
Free hydrocarbon status: . . . . .NOT APPLICABLE  
Dissolved hydrocarbon status: . . . . .IN PROGRESS  
Investigation released: . . . . .09/01/88  
Next consultant report due: . . . . .11/01/88 \*  
Latest consultant report received: . . . . .11/28/89  
Last report submitted to agency: . . . . .  
Investigation complete: . . . . .

Remediation status

---

Soil status: . . . . .TO BE DETERMINED  
Free hydrocarbon status: . . . . .NOT APPLICABLE  
Dissolved hydrocarbon status: . . . . .IN PROGRESS  
Type of recovery system: . . . . .PMP/TRT  
Remedial action plan due from consultant: \*  
Construction of clean-up system started:  
Clean-up system start-up: . . . . .10/01/89

Groundwater monitoring

---

Monitoring frequency: . . . . .QUARTERLY  
Next report due from consultant: . . . . .06/23/90 \*  
Latest report received from consultant: . . . . .01/08/90  
Last report submitted to agency: . . . . .11/15/89

Next action: RECOVERY SYSTEM OPERATING - SVCA COMPLETE 11/15/89 ~~DOWNGRADE~~

\* Due date is the date the report is scheduled to be received at Chevron's office. Chevron will take a reasonable amount of time for internal review before a copy of the report will be forwarded to the Regional Board offices.

report name: EREP



CHEVRON U.S.A. MARKETING FACILITIES  
RWQCB QUARTERLY SUMMARY  
3RD QUARTER 1989

DATE: 10/11/89

10/17/89

COUNTY: ALAMEDA  
ENGINEER: G.J.DAVITT

CHEVRON FACILITY # 95607 5269 CROW CANYON RD  
CASTRO VALLEY , CA

/UINVESTIGATION STATUS

/W

SOIL STATUS: . . . . .DEFINITION COMPLETE  
FREE HYDROCARBON STATUS: . . . . .IN PROGRESS  
DISSOLVED HYDROCARBON STATUS: . . . . .IN PROGRESS  
INVESTIGATION RELEASED: . . . . .09/01/88  
NEXT CONSULTANT REPORT DUE: . . . . .11/01/88 \*  
LATEST CONSULTANT REPORT RECEIVED: . . . .  
LAST REPORT SUBMITTED TO AGENCY: . . . .  
INVESTIGATION COMPLETE: . . . . .

/UREMEDIATION STATUS

/W

SOIL STATUS: . . . . .DEFINITION COMPLETE  
FREE HYDROCARBON STATUS: . . . . .DEFINITION COMPLETE  
DISSOLVED HYDROCARBON STATUS: . . . . .IN PROGRESS  
TYPE OF RECOVERY SYSTEM: . . . . .PMP/TRT  
REMEDIAL ACTION PLAN DUE FROM CONSULTANT: \*  
CONSTRUCTION OF CLEAN-UP SYSTEM STARTED:  
CLEAN-UP SYSTEM START-UP: . . . . .

/UGROUNDWATER MONITORING

/W

MONITORING FREQUENCY: . . . . .  
NEXT REPORT DUE FROM CONSULTANT: . . . . . \*  
LATEST REPORT RECEIVED FROM CONSULTANT: . . . .  
LAST REPORT SUBMITTED TO AGENCY: . . . . .

NEXT ACTION: RECOVERY SYSTEM OPERATING -

\* DUE DATE IS THE DATE THE REPORT IS SCHEDULED TO BE RECEIVED AT CHEVRON'S  
OFFICE. CHEVRON WILL TAKE A REASONABLE AMOUNT OF TIME FOR INTERNAL REVIEW  
BEFORE A COPY OF THE REPORT WILL BE FORWARDED TO THE REGIONAL BOARD OFFICES.

REPORT NAME: ERPTQUAL

CHEVRON U.S. MARKETING FACILITIES  
RWQCB QUARTERLY SUMMARY  
3RD QUARTER 1989

DATE: 11/89

COUNTY: ALAMEDA  
ENGINEER: G.J.DAVITT

CHEVRON FACILITY # 95607 5269 CROW CANYON RD  
CASTRO VALLEY , CA

/UINVESTIGATION STATUS

/W

SOIL STATUS: . . . . .DEFINITION COMPLETE  
FREE HYDROCARBON STATUS: . . . . .IN PROGRESS  
DISSOLVED HYDROCARBON STATUS: . . . . .IN PROGRESS  
INVESTIGATION RELEASED: . . . . .09/01/88  
NEXT CONSULTANT REPORT DUE: . . . . .11/01/88 \*  
LATEST CONSULTANT REPORT RECEIVED: . . . .  
LAST REPORT SUBMITTED TO AGENCY: . . . .  
INVESTIGATION COMPLETE: . . . . .

/UREMEDIATION STATUS

/W

SOIL STATUS: . . . . .DEFINITION COMPLETE  
FREE HYDROCARBON STATUS: . . . . .DEFINITION COMPLETE  
DISSOLVED HYDROCARBON STATUS: . . . . .IN PROGRESS  
TYPE OF RECOVERY SYSTEM: . . . . .PMP/TRT  
REMEDIAL ACTION PLAN DUE FROM CONSULTANT: \*  
CONSTRUCTION OF CLEAN-UP SYSTEM STARTED:  
CLEAN-UP SYSTEM START-UP: . . . . .

/UGROUNDWATER MONITORING

/W

MONITORING FREQUENCY: . . . . .  
NEXT REPORT DUE FROM CONSULTANT: . . . . . \*  
LATEST REPORT RECEIVED FROM CONSULTANT: . .  
LAST REPORT SUBMITTED TO AGENCY: . . . . .

NEXT ACTION: RECOVERY SYSTEM OPERATING -

\* DUE DATE IS THE DATE THE REPORT IS SCHEDULED TO BE RECEIVED AT CHEVRON'S OFFICE. CHEVRON WILL TAKE A REASONABLE AMOUNT OF TIME FOR INTERNAL REVIEW BEFORE A COPY OF THE REPORT WILL BE FORWARDED TO THE REGIONAL BOARD OFFICES.

REPORT NAME: ERPTQUAL





REOPENING OF CLOSED UPDATE REPORT

LEAK/SPILL INCIDENT UPDATE

Division: West Central HQID #: 66  
 Incident Date: [REDACTED] Div. ID #: WC-17-12-85  
 Close Date: \_\_\_\_\_ Leak - On    Leak - Off    Spill  
 Type of Facility: Service Station Product: \_\_\_\_\_  
 Name & Address: SS # 5607 Estimated Gallons Lost: 673  
5269 Crow Canyon Rd. Estimated Gallons Recovered  
Castro Valley, Ca. This Month: 20 To Date: 50

Description: Dealer reported loss. Tank failed an isolated petro-tite test. Tank removed from service. Tanks and lines were replaced in April. No signs of contamination were discovered in excavations. Monitorings of wells thru April showed no signs of free floating product. Leak report update closed in April.

CURRENT STATUS

Date: May 1985  
 Status: Down gradient perimeter well started showing up to 6 inches of free floating product. A recovery well has been installed on our property boundary. Additional downgradient wells off our site will be installed. Monitoring, bailing and recovery to continue.

June 1985 - Down gradient well had been installed and does not show any signs of contamination. Approximately 20 gallons recovered this month.

July 1985 - No Change. Recovery; This month: 20 gallons  
 To date: 45 gallons

August 1985 - No change. Recovery; this month: 5 gallons  
 to date: 50 gallons

September 1985 - Recovery to continue; this month 5 gallons  
 to date: 55 gallons

October 1985 - Recovery to continue: This month: 3 gallons  
 To date: 58 gallons

REOPENING OF CLOSED UPDATE REPORT

LEAK/SPILL INCIDENT UPDATE

Division: West Central HQID #: 66  
 Incident Date: 2-26-85 Div. ID #: WC-17-12-85  
 Close Date: \_\_\_\_\_ Leak - On Leak - Off Spill  
 Type of Facility: Service Station Product: \_\_\_\_\_  
 Name & Address: SS # 5607 Estimated Gallons Lost: \_\_\_\_\_  
5269 Crow Canyon Rd. Estimated Gallons Recovered  
Castro Valley, Ca. Alameda This Month: 20 To Date: 50

**Description:** Dealer reported loss. Tank failed an isolated petro-tite test. Tank removed from service. Tanks and lines were replaced in April. No signs of contamination were discovered in excavations. Monitorings of wells thru April showed no signs of free floating product. Leak report update closed in April.

SOIL?

---

CURRENT STATUS

**Date:** May 1985  
**Status:** Down gradient perimeter well started showing up to 6 inches of free floating product. A recovery well has been installed on our property boundary. Additional downgradient wells off our site will be installed. Monitoring, bailing and recovery to continue.

June 1985 - Down gradient well had been installed and does not show any signs of contamination. Approximately 20 gallons recovered this month.

July 1985 - No Change. Recovery; This month: 20 gallons  
 To date: 45 gallons

August 1985 - No change. Recovery; this month: 5 gallons  
 to date: 50 gallons

September 1985 - Recovery to continue; this month 5 gallons  
 to date: 55 gallons

October 1985 - Recovery to continue: This month: 3 gallons  
 To date: 58 gallons

November 1985 - Recovery to continue: this month: 2 gallons  
 to date: 60 gallons

December 1985 - Recovery to continue: this month, 1 gallon  
 to date, 61 gallons

LEAK/SPILL INCIDENT UPDATE CONTINUED

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Division: WEST CENTRAL Incident Date: \_\_\_\_\_ HQID #: \_\_\_\_\_

Div ID #: 5607

CURRENT STATUS

Date:

January 1986:

No more free sloating product detected. Dissolved hydrocarbon content in water a maximum of 40 PPM. Procedure to close recovery system are being investigated.

February 1986 -

Recovery; This month: 5 Gallons  
To Date: 66 Gallons

Water sampling and monitoring to continue.

**LEAK/SPILL INCIDENT UPDATE CONTINUED**

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Division: WEST CENTRAL Incident Date: 4/1/85 HQID #: 109

Div ID #: WC-23-17-85

**CURRENT STATUS**

Date: December 1985 - As requested by the enforcing agency, water samples were collected for dissolved component analysis. Results expected in January.

January 1986 - Water sample results showed low level (87 PPB) of dissolved hydrocarbons. Report to be submitted to enforcing agency requesting that no further action is needed.

February 1986 Submitted report. Awaiting enforcing agency reply.