

20405



**CONESTOGA-ROVERS  
& ASSOCIATES**

2000 Opportunity Dr, Suite 110, Roseville, California 95678  
Telephone: 916-677-3407, ext. 100 Facsimile: 916-677-3687  
www.CRAworld.com

**January 3, 2008**

Barney Chan  
Alameda County  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**RE: Project Manager Contact Change**  
Chevron Service Station -98341  
3530 MacArthur Boulevard  
Oakland, CA

Dear Barney Chan,

On behalf of Chevron Environmental Management Company (Chevron), Conestoga-Rovers & Associates (CRA) is writing to inform you of management changes regarding the above referenced site.

The Chevron project manager is changing from Tom Bauhs to Stacie Hartung-Frerichs.

**Stacie Hartung-Frerichs**  
Chevron Environmental Management Company  
6001 Bollinger Canyon Rd., K-2200  
San Ramon, CA 94583  
Office phone: 925-842-9655  
Office Fax: 925-548-0010  
Email: StacieHF@chevron.com

Please contact either Stacie Hartung-Frerichs of Chevron or Brian Carey of CRA at 916-677-3407 ext. 106 if you have any questions.

Sincerely,

**Judith Moore**  
Administrative Assistant

cc: Stacie Hartung-Frerichs, Chevron Environmental Management Company, San Ramon, CA

Equal  
Employment  
Opportunity Employer

C A M B R I A

20405

March 30, 2007

Barney Chan  
Alameda County  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Re: **Project Manager Contact Change**  
Chevron Service Station 98341  
3530 MacArthur Boulevard  
Oakland, CA



Dear Barney Chan,

On behalf of Chevron Environmental Management Company (Chevron), Cambria Environmental Technology, Inc. (Cambria) is writing to inform you of management changes regarding the referenced site.

The Chevron project manager is changing from Dana Thurman to Tom Bauhs

- Mr. Tom Bauhs, Chevron Environmental Management Company, K2204, 6001 Bollinger Canyon Rd, San Ramon, CA 94583, (925) 842-3334, [tbauhs@chevron.com](mailto:tbauhs@chevron.com)

Please note these changes, effective immediately, for future correspondence. Thank you for your assistance.

Sincerely,

**Cambria Environmental Technology, Inc.**

Judith Moore  
Office Administrator

cc: Tom Bauhs, Chevron Environmental Management Company

**Cambria  
Environmental  
Technology, Inc.**

2000 Opportunity Drive  
Suite 110  
Roseville, CA 95678  
Tel (916) 677-3407  
Fax (916) 677-3687

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director

July 25, 2006



7

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

Mr. Dana Thurman  
Chevron  
6001 Bollinger Canyon Rd., K2236  
San Ramon, CA 94583-2324

Dear Mr. Thurman:

Subject: Fuel Leak Case [REDACTED], Chevron Station #9-8341, 3530 MacArthur Blvd.,  
Oakland, CA

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the subject site including the June 23, 2006 Revised Investigation Workplan by Cambria. Six soil borings with depth discrete soil and groundwater sampling are proposed to further characterize the petroleum release from the subject site. We approve the work plan. Please address the following technical comments and submit the report requested below.

#### TECHNICAL COMMENTS

1. Please include EDB and EDC with the proposed analytes for soil and water analysis.
2. Please include in your soil and groundwater investigation report a proposal for off-site well installation(s). To avoid potential delays, you are encouraged to determine which location(s) would be appropriate for a permanent well(s) and whether multi-depth wells would be recommended. We encourage well installation be done during this same field event.

Please submit your soil and groundwater report within 45 days of completion of your field work.

#### 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. 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, ([http://www.swrcb.ca.gov/ust/cleanup/electronic\\_reporting](http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting)) for more information on these requirements

## 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.

## AGENCY OVERSIGHT

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

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

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

cc: files, D. Drogos  
Mr. David Herzog, Cambria Environmental, 2000 Opportunity Drive, Suite 110,  
Roseville, CA, 95678

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



7

November 17, 2005

Mr. Dana Thurman  
Chevron  
6001 Bollinger Canyon Rd., K2236  
San Ramon, CA 94583-2324

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

Dear Mr. Thurman:

Subject: Fuel Leak Cas[REDACTED], Chevron Station #9-8341, 3530 MacArthur Blvd.,  
Oakland, CA

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the subject site including the September 16, 2004 Investigation Workplan by Cambria. The work plan proposes one additional up-gradient boring and one additional down-gradient monitoring well to further investigate the lateral and vertical extent of the hydrocarbon and oxygenate plume originating from this site. We concur with the work proposed, however, we believe that additional investigation, beyond that proposed, is required to progress to site closure. We request that you address the following technical comments when performing this work and submit the technical report requested below.

#### TECHNICAL COMMENTS

1. Conduit Study- The prior June 28, 1999 Utility Survey Report performed by Pacific Environmental Group concluded that "some utility lines downgradient of the site may affect the potential migration of MTBE and gasoline constituents in groundwater". Correspondence from our office requested that Chevron further investigate this potential, however, no follow-up, either in writing or field work has apparently been done. Please respond to this concern as requested below.
2. Contaminant Plume Definition- The purpose of contaminant plume definition is to determine the three-dimensional extent of contamination (MTBE, petroleum products, and associated blending compounds and additives) in soil and groundwater from the unauthorized release at your site. Using your rose diagram and the sources identified in soil and groundwater will help identify areas of concern and potential data gaps. We request that you perform a detailed, expedited site assessment using depth discrete sampling techniques on borings installed along transects to define and quantify the full three-dimensional extent of MTBE and oxygenates, Total Petroleum Hydrocarbons and BTEX in groundwater. Therefore, although the one down-gradient well proposed may be within the plume, the full lateral and vertical extent will still not be confirmed. Although boring locations are limited due to site constraints, we believe the plume can be characterized by drilling additional borings on the south side of MacArthur Blvd. and by taking multi-level depth discrete soil and groundwater samples. Please provide a work plan addendum for this work as requested below.

3. Groundwater Contaminant Plume Monitoring- Prior correspondence from our office raised concerns regarding water samples collected from the existing monitoring wells. Both the screen depth and interval in the wells could possibly compromise analytical results. Please use the results from your contaminant plume investigation to design an appropriate construction for the proposed well. Generally, screen intervals should not be greater than 10' in length. This decision should be made in the field as part of your expedited site assessment.

#### TECHNICAL REPORT REQUEST

Please submit the following technical report according to the following schedule:

- December 19, 2005- Conduit study follow-up
- December 19, 2005- Work plan addendum

#### 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 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

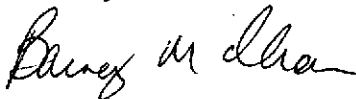
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

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: files, D. Drogos  
Ms. Christene Sunding, Cambria Environmental, 4111 Citrus Ave., Suite 9, Rocklin,  
CA, 95677

RO 405

**CAMBRIA**

Mr. Don Hwang  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway  
Alameda CA, 94502

Alameda County

JAN 2 8 2004

Environmental Health

**Re: Change of Environmental Project Managers  
Chevron Environmental Management Company  
Cambria Environmental Technology, Inc.  
Site #: 9-8341, 3530 MacArthur Blvd, Oakland**



Dear Mr. Hwang:

This letter is submitted by Cambria Environmental Technology, Inc. (Cambria) on behalf of Chevron Environmental Management Company (Chevron) to notify your agency that a change of environmental project management for this site occurred on January 1, 2004. In the future kindly direct all correspondence relating to environmental project management to:

Mr. Bruce Eppler  
Cambria Environmental Technology, Inc.  
4111 Citrus Avenue, Suite 9  
Rocklin, CA 95677  
Email [bepler@cambria-env.com](mailto:bepler@cambria-env.com)

The new Chevron contact for copies of correspondence for this site will be:

Ms. Karen Streich  
Project Manager  
Chevron Environmental Management Company  
6001 Bollinger Canyon Rd.  
P.O. Box 6012  
San Ramon, CA 94583-2324



Thank you for your cooperation and please call (916) 630-1855 ext. 102 with any questions.

Sincerely,  
**Cambria Environmental Technology, Inc.**

Bruce H. Eppler  
Project Manager

cc Karen Streich  
David Charter

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, 2003

Karen Streich  
Chevron USA, Inc.,  
Site Assessment & Remediation  
6001 Bollinger Canyon Rd. V1132  
PO Box 6004  
San Ramon, CA 94583-0904

Dear Ms. Streich,

Subject: Fuel Leak Case No. RO0000405; Chevron Service Station #9-8341,  
3530 MacArthur Blvd., Oakland, CA

Alameda County Environmental Health staff has reviewed "Additional Assessment Workplan" dated June 18, 2003 and "Revised Fig. 2 - Proposed borings locations" dated June 18, 2003, both by Cambria Environmental Technology, Inc., and generally concur with the work proposed. The work proposed satisfies the onsite phase of the investigation requested and is approved. We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below.

#### TECHNICAL COMMENTS

- 1) Soil Sampling - The sampling protocol in addition to collecting samples a minimum of every 5 ft., shall also include at changes of lithology, at the soil/groundwater interface, and at areas of obvious contamination.
- 2) Lateral and Vertical Delineation of the Plume undefined - Offsite investigation will be need to be addressed in the future.

#### TECHNICAL REPORT REQUEST

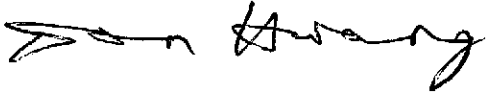
Please submit the following technical reports to Alameda County Environmental Health (Attention: Don Hwang), by August 31, 2003 and Quarterly Groundwater Monitoring Reports within 30 days of the end of each quarter:

- 1) Soil and Water Investigation Report
- 2) Quarterly Groundwater Monitoring Report, 3<sup>rd</sup> Quarter 2003

Ms. Streich  
June 25, 2003  
Page 2 of 2

If you have any questions, you may call me at 510/567-6746.

Sincerely,

A handwritten signature in black ink, appearing to read "Don Hwang". The signature is fluid and cursive, with a long horizontal stroke at the end.

Don Hwang  
Hazardous Materials Specialist  
Local Oversight Program

C: Robert Foss, Cambria Environmental Technology, Inc., 5900 Hollis St., Emeryville, CA  
94608  
Donna Drogos  
File

R 405

# C A M B R I A

February 26, 2003

Mr. Don Hwang  
Hazardous Materials Specialist  
Alameda County Health Care Services Agency-  
Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-9335



Re: **Request for Extension for Submittal of Workplan**  
Chevron SS #9-8341  
3530 MacArthur Blvd.  
Oakland, California  
Cambria Project No. 31D-1650

Dear Mr. Hwang:

Per our conversation of February 25, 2003, Cambria Environmental (Cambria) is writing this letter to confirm the request for, and your approval of, a 90-day extension for submittal of a workplan addressing the technical comments outlined in your December 4, 2002 letter to Ms. Karen Streich of Chevron. A 90-day extension results in a revised submittal date of May 1, 2003.

As discussed in our conversation, Cambria has recently assumed responsibility for oversight for all of Chevron's Alameda County projects. In order to adequately address your concerns regarding this site we need to familiarize ourselves with its history and conditions prior to proposing additional work.

Thank you. Please call me at (925) 973-3126 if you have any questions or comments.

Sincerely,  
**Cambria Environmental Technology, Inc.**

Robert Foss, R.G..  
Senior Project Geologist

Oakland, CA  
San Ramon, CA  
Sonoma, CA

**Cambria  
Environmental  
Technology, Inc.**

cc: Ms. Karen Streich, Chevron Products Company

I:\9-8341 Oakland\98341 Extension request 2-03.wpd

2680 Bishop Drive  
Suite 290  
San Ramon, CA 94583  
Tel (925) 275-3200  
Fax (925) 275-3204

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

December 4, 2002

Karen Streich  
Chevron USA, Inc.,  
Site Assessment & Remediation  
6001 Bollinger Canyon Rd. V1132  
PO Box 6004  
San Ramon, CA 94583-0904

Dear Ms. Streich,

Subject: Fuel Leak Case No. RO0000405; Chevron Service Station #9-8341,  
3530 MacArthur Blvd., Oakland, CA

Alameda County Environmental Health staff has reviewed "3<sup>rd</sup> Quarter Event of August 2, 2002, Groundwater Monitoring & Sampling Report" by Gettler-Ryan, Inc. Contaminant concentrations in monitoring wells MW-1, MW-2, and MW-3, followed historical trends. MW-1 and MW-3 historically have nearly always been nondetectable for all constituents. The 610 ug/l methyl tertiary-butyl ether (MTBE) found in MW-3 on May 7, 2002 was an anomaly. MW-2 historically has been nondetectable for all constituents with the exception of MTBE. On August 2, 2002, MTBE was 490 ug/l in MW-2. MTBE concentrations in MW-2 have fluctuated widely from quarter to quarter. We request that you address the following technical comments and send us the technical reports requested below.

#### TECHNICAL COMMENTS

- 1) Lateral and Vertical Delineation of the Plume undefined – Up to 5,800 ug/l dissolved phase MTBE has been found in MW-2 which is located by the property line. To site additional monitoring wells, propose locations for borings. To monitor the vertical range of the plume, we request that your monitoring network include depth discrete monitoring for onsite and offsite locations. Generally, the screened intervals should be 3 to 5 feet in length. Include your proposal for plume delineation in the workplan requested below.
- 2) Evaluation of Conduit Diversion/Interception of the Plume required – Include your proposal.
- 3) Well Survey required – List wells within a quarter mile radius of the site. Indicate which of these may be potential receptors.

- 4) Historical Gradient – Please show using a rose diagram and also include magnitude and direction.
- 5) Source Area Investigation - Soil samples collected after over excavation of the piping trenches on May 2, 1994 were as high as 1300 mg/kg total petroleum hydrocarbons as gasoline (TPH-G), 6 mg/kg benzene, 33 mg/kg ethyl-benzene, found in PX-8. None of the onsite monitoring wells were within 10 feet of the former fuel tanks, and in the downgradient direction. To delineate the contamination from the former dispensers and fuel tanks, and to locate a well to meet these requirements, propose locations for borings.
- 6) Soil and Groundwater Analyses – Please analyze all soil and groundwater samples for Total Petroleum Hydrocarbons-Gasoline (TPH-G), Benzene, Toluene, Ethyl Benzene, Xylene (BTEX), and MTBE. Additionally, for groundwater samples, analyses for the fuel oxygenates MTBE, Tertiary Amyl Methyl Ether (TAME), Ethyl Tertiary Butyl Ether (ETBE), Di-Isopropyl Ether (DIPE), and Tertiary Butyl Alcohol (TBA), by EPA Method 8260, is required. Also, include Ethylene Dibromide (EDB), Ethylene Dichloride (EDC), and Ethanol. After the initial round of sampling, sample for any of these contaminants found in subsequent quarters. Include these analyses in the workplan requested below.
- 7) Legitimacy Statement – All technical reports shall be accompanied by a letter signed by an officer or legally authorized representative of the responsible party that states, at a minimum: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached proposal or report is true and correct to the best of my knowledge."
- 8) Utility Survey Report dated June 28, 1999 missing - Please submit.

#### TECHNICAL REPORT REQUEST

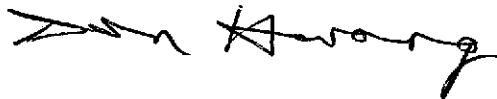
Please submit the following technical reports to the Alameda County Environmental Health (Attention: Don Hwang), Workplan by January 31, 2003 and Quarterly Groundwater Monitoring Reports within 30 days of the end of each quarter:

- 1) Workplan including:
  - Proposed locations for borings to delineate the groundwater contaminant plume.
  - Monitoring network screened intervals.
  - Conduit Survey.
  - Well Survey.
  - Historical Gradient.
  - Proposed locations for borings to delineate the contamination from the former fuel tank and dispensers.
  - Soil and Groundwater Analyses.
- 2) Quarterly Groundwater Monitoring Report, 4<sup>th</sup> Quarter 2002
- 3) Quarterly Groundwater Monitoring Report, 1<sup>st</sup> Quarter 2003
- 4) Quarterly Groundwater Monitoring Report, 2<sup>nd</sup> Quarter 2003
- 5) Quarterly Groundwater Monitoring Report, 3<sup>rd</sup> Quarter 2003

Ms. Streich  
December 4, 2002  
Page 3 of 3

If you have any questions, you may call me at 510/567-6746.

Sincerely,

A handwritten signature in black ink, appearing to read "Don Hwang". The signature is stylized and cursive.

Don Hwang  
Hazardous Materials Specialist  
Local Oversight Program

✓C: File

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



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

June 7, 2001

Tom Bauhs, Project Manager  
Chevron Products Co.  
Site Assessment & Remediation  
6001 Bollinger Canyon Rd., V1132  
PO Box 6004  
San Ramon, CA 94583-0904

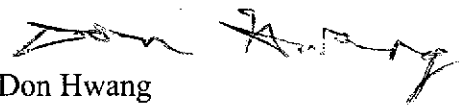
Re: Chevron Service Station #9-8341, 3530 MacArthur Blvd., Oakland, CA;  
RO0000405


Dear Mr. Bauhs:

This office has reviewed "2nd Quarter Event of April 5, 2001, Groundwater Monitoring and Sampling Report" dated May 9, 2001 by Gettler-Ryan, Inc., for the facility referenced. Monitoring wells MW-1, MW-2, and MW-3, were sampled on April 5, 2001 for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethyl benzene, xylene (BTEX), and methyl tertiary-butyl ether (MTBE). Monitoring well MW-2 had a MTBE groundwater concentration of 5,500 ug/l, which was among the highest found in this well historically. Monitoring wells MW-1 and MW-3 again had nondetectable concentrations for all constituents.

For the third quarter 2001, there will be another round of groundwater monitoring as well as the installation of another groundwater monitoring well. We await reports of these activities. If you have any questions, call me at (510) 567-6746.

Sincerely,

  
Don Hwang  
Hazardous Materials Specialist

  
C: Jim Brownell, Delta Environmental Consultants, Inc., 3164 Gold Camp Dr., Suite 200,  
Rancho Cordova, CA 95670-6021

Deanna Harding, Gettler-Ryan, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

✓ file





3164 Gold Camp Drive  
Suite 200  
Rancho Cordova, CA 95670-6021  
U.S.A.  
916/638-2085  
FAX: 916/638-8385

May 23, 2001

Mr. Don Hwang  
Alameda County Health Care Service  
Department of Environmental Health  
1153 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Subject: *Second Quarter Event of April 5, 2001  
Groundwater Monitoring and Sampling Report*  
Chevron Service Station No. 9-8341  
3530 MacArthur Boulevard  
Oakland, California  
Delta Project No. DG98-341

Dear Mr. Hwang:

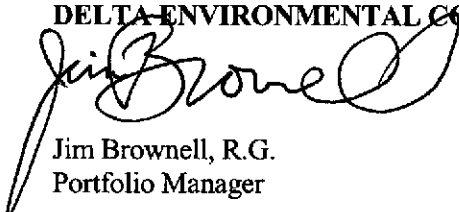
Attached for your review and comment are two letter reports entitled *Second Quarter Event of April 5, 2001, Groundwater Monitoring and Sampling Report* for the above referenced site. These reports were prepared by Delta Environmental Consultants, Inc. / Gettler-Ryan, Inc and details the results of the April 2001 groundwater monitoring and sampling event.

During the third quarter 2001 Delta plans to permit and install groundwater monitoring well MW-4 in accordance with Pacific Environmental Group's *Workplan for an Additional Groundwater Investigation*, dated June 6, 1998.

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

Sincerely,

**DELTA ENVIRONMENTAL CONSULTANTS, INC.**



Jim Brownell, R.G.  
Portfolio Manager

JRB (2nd Qrt 2001 QM-9-8341.doc)  
Enclosures

cc: Tom Bauhs – Chevron Product Company

ENV. ~~UNITED~~ 4/2/01

Press [ESC] for the menu

UNDERGROUND STORAGE TANK CLEANUP SITE

-LOP:A-Tremov:--SLIC:-

SITE ID: 3693	SOURCE OF FUNDS: F	SUBSTANCE : 8006619
SITE NAME: Unocal Station #3135		DATE REPORTED : 11/29/1989
SITE ADDRESS: 845 -0 66th Ave		DATE CONFIRMED: 11/29/1989
CITY: Oakland	ZIP CODE: 94621	MULTIPLE RPs : N
CASE TYPE: O	CONTRACT STAT: 4	PRIORITY: -0- DATE ER: -0-
RP SEARCH : S		DATE END: 02/27/1992
PRELIM ASSESSMENT : U	DATE BEGIN: 04/26/1990	DATE END: -0-
REMEDIAL INVEST : -	DATE BEGIN: -0-	DATE END: -0-
REMEDIAL ACTION : -	DATE BEGIN: -0-	DATE END: -0-
POST REMED MONITOR: -	DATE BEGIN: -0-	DATE END: -0-
ENFORCEMENT TYPE: 1	DATE ENFORCEMENT ACTION TAKEN: 02/27/1992	
LUFT CATEGORY: 3HSCAW	CASE CLOSED: -	DATE CASE CLOSED: -0-
DT EXC START : 11/29/1989	REMEDIAL ACTIONS TAKEN: ED	

PgDn for Screen #2

[ESC] Done [F2] Clear field [Shift-F2] Clear to end [Shift-F10] More  
Form: SITE Table: SITE Field: Source Page: 1

STID: 3693

UNDERGROUND STORAGE TANK CLEANUP SITE - SCREEN #2

IN-HOUSE MANAGEMENT:

RISK ASSESSMENT : -0-	LOC-CleanUp Fund? -0-
DATE LAST CORSP : 05/28/1998	INSPECTOR INIT: BC

CONTACT/RESPONSIBLE PARTY INFORMATION:

RP #1: CONTACT: Rick Sisk	RP COST: \$0.00
RP COMPANY NAME: Unocal Corporation	Ph: -0-
ADDRESS: 2000 Crow Canyon, Ste 400	
CITY/ST/ZIP: San Ramon CA 94583	

COMMENT: MTBE=850 ppb 50' downgradient of property. Fitchburg well field is located approximately 1100' downgradient from site. Need to install downgradient wells.

PgUp For Screen #1;PgDn For More RP'S

[ESC] Done [F2] Clear field [Shift-F2] Clear to end [Shift-F10] More  
Form: SITE Table: SITE Field: FlagDate Page: 2

Gettler Ryan

2-1-00 Mts w/ D. Dewitt, D. Vossler, Stephen Carter  
# 3693 845-66th Ave

2/17-2/18 NGWA: Cathedral Hill Hotel

Do the abandoned <sup>1912</sup> <sub>1922</sub> municipal wells constitute  
a municipal well? - No

- How do you classify site ~~A~~ ~~B~~? C?

- Rose diagram SSE + NE

- Acknowledge need to define MTBE in south direction

- down gradient well -  
+ modeling  
What are? base of cone vs dist plot

East Bay Blueprint  
5/10/261-2990

Probably then can close as low risk -  
consistent w/ Water Board recommendation (upon)

# 1059 3220 Lakeshore Ave 94610

U-D - point in Lakeshore down gradient of U-2

- possibly no GW ... don't need to delineate GW in that direction

- propose 3 mo - purging for U-C 5000 gal/week  
total of 30,000 gallons then see if there's a  
decrease in concentration

LOP - RECORD CHANGE REQUEST FORM

printed:  
12/28/1999

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

Insp: DH

AGENCY # : 10000      SOURCE OF FUNDS: F      SUBSTANCE: 8006619  
 StID : 1042      LOC: -0-  
 SITE NAME: Chevron      DATE REPORTED : 05/02/1994  
 ADDRESS : 3530 -0 MacArthur Blvd      DATE CONFIRMED: 05/02/1994  
 CITY/ZIP : Oakland      94619      MULTIPLE RPs : N

SITE STATUS

CASE TYPE: S CONTRACT STATUS: 4      PRIOR CODE:2A2      EMERGENCY RESP: -0-  
 RP SEARCH: S      DATE COMPLETED: 05/02/1994  
 PRELIMINARY ASMNT: -      DATE UNDERWAY: -0-      DATE COMPLETED: -0-  
 REM INVESTIGATION: -      DATE UNDERWAY: -0-      DATE COMPLETED: -0-  
 REMEDIAL ACTION: I      DATE UNDERWAY: 05/02/1994      DATE COMPLETED: 05/02/1994  
 POST REMED ACT MON:-      DATE UNDERWAY: -0-      DATE COMPLETED: -0-

ENFORCEMENT ACTION TYPE: 1      DATE ENFORCEMENT ACTION TAKEN: 05/02/1994  
 LUFT FIELD MANUAL CONSID: 2HSCA  
 CASE CLOSED: -      DATE CASE CLOSED: -0-  
 DATE EXCAVATION STARTED : 05/02/1994      REMEDIAL ACTIONS TAKEN: ED

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Phil Briggs  
 COMPANY NAME: Chevron U.S.A. Inc.  
 ADDRESS: P. O. Box 5004  
 CITY/STATE: San Ramon, C A 94583-0804

INSPECTOR VERIFICATION:

NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

DATA ENTRY INPUT:

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

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

September 16, 1999

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

STID: 1042

Re: Required investigations at Chevron Service Station #9-8341, located at 3530 MacArthur Blvd., Oakland, CA

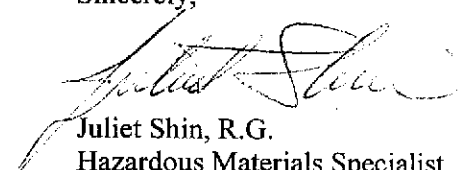
Dear Mr. Hunter,

This office sent Chevron a letter on July 09, 1999 requiring that a workplan be submitted to address additional groundwater investigations at the above site by September 10, 1999 (please refer to the attached copy of the July 09, 1999 letter.) Per our conversation on September 16, 1999, preparation of this workplan has not yet begun. **A workplan addressing all the required work outlined in the July 09, 1999 letter is due to this office within 45 days of the date of this letter, (i.e., by October 28, 1999).** Any request for modifications of the workplan or extensions of the due date should be submitted in writing for our review and approval.

Additionally, per our conversation, elevated contaminant levels were identified in confirmatory soil samples PX-1 through PX-11, which were collected from the overexcavated piping trenches in 1994. Some of these concentrations exceed the Tier 1 table residential and commercial threshold values for a  $10^{-5}$  risk, given in the American Society for Testing and Materials' Risk-Based Corrective Action guidelines. Therefore, this office is requesting that you submit a Tier 2 risk assessment addressing any potential human-health threat that this residual soil contamination may pose to the occupants of the site.

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

Sincerely,

  
Juliet Shin, R.G.  
Hazardous Materials Specialist

**ATTACHMENT**

Cc: Leroy Griffin  
Oakland Hazardous Materials  
505 14<sup>th</sup> St., Ste 702  
Oakland, CA 94612

1999.09-16 08:16  
 510 337 9335  
 ALAMEDA CO EHS HAZ-OPS

COM No.	REMOTE STATION	START TIME	DURATION	PAGES	RESULT	USER ID	REMARKS
187	925 842 8370	09-16 08:04	01' 06	03/03	OK		

7499402046

ALAMEDA COUNTY  
 HEALTH CARE SERVICES

AGENCY  
 DAVID J. KEARS, Agency Director



Post-It™ brand fax transmittal memo 7671 # of pages ▶ 3

To <i>Brett Hunter</i>	From <i>Suliet Shin</i>
Co. <i>Chevron</i>	Co. <i>Alameda County</i>
Dept.	Phone # <i>510-567-6763</i>
Fax # <i>925-842-8370</i>	Fax # <i>510-337-9335</i>

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

September 16, 1999

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

STID: 1042

Re: Required investigations at Chevron Service Station #9-8341, located at 3530 MacArthur Blvd., Oakland, CA

Dear Mr. Hunter,

This office sent Chevron a letter on July 09, 1999 requiring that a workplan be submitted to address additional groundwater investigations at the above site by September 10, 1999 (please refer to the attached copy of the July 09, 1999 letter.) Per our conversation on September 16, 1999, preparation of this workplan has not yet begun. **A workplan addressing all the required work outlined in the July 09, 1999 letter is due to this office within 45 days of the date of this letter, (i.e., by October 28, 1999).** Any request for modifications of the workplan or extensions of the due date should be submitted in writing for our review and approval.

Additionally, per our conversation, elevated contaminant levels were identified in confirmatory soil samples PX-1 through PX-11, which were collected from the overexcavated piping trenches in 1994. Some of these concentrations exceed the Tier 1 table residential and commercial threshold values for a 10<sup>-5</sup> risk, given in the American Society for Testing and Materials' Risk-Based Corrective Action guidelines. Therefore, this office is requesting that you submit a Tier 2 risk assessment addressing any potential human-health threat that this residual soil contamination may pose to the occupants of the site.

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

Sincerely,

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

July 09, 1999

Philip R. Briggs  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583-0904

STID: 1042

Re: Investigations at Chevron Service Station #9-8341, located at 3530 MacArthur Blvd.,  
Oakland, CA

Dear Mr. Briggs,

This office has reviewed the Utility Survey Report, dated June 28, 1999, and the Second Quarter Groundwater Monitoring Report, dated May 27, 1999, for the above site. This office actually received two copies of the referenced monitoring report, however, only one copy needs to be submitted in the future.

Per the results of the Utility Survey and our conversation on July 09, 1999, storm and sanitary sewer lines which lie at depths commensurate to the surrounding groundwater were identified along the streets bounding the two downgradient sides of the site: Magee Avenue and MacArthur Blvd. Due to the possibility that the utility line trench materials could be acting as preferential flow paths for the site's contaminant plume, this office is requiring that both these areas be addressed as part of the planned plume delineation work.

Per our conversation, the screened intervals of the on-site monitoring wells, MW-1 through MW-3, may not be allowing for the collection of representative groundwater samples. The screened interval of all three wells begin at 7-feet below ground surface (bgs), however, the average water levels in the wells are significantly above this screen depth at 4.7-feet bgs for Wells MW-2 and MW-3 and 5.4-feet bgs for Wells MW-1. Therefore, it is possible that some of the contaminants that tend to float at the top of the water table, such as TPHg and BTEX, are not being captured during the sampling events. Additionally, the length of the screens, which average over 20 feet, are a little longer than the standard screen interval of 15 feet, and may be contributing to some dilution of the contaminant concentrations.

Due to concerns about the screened intervals of the on-site monitoring wells, this office is requiring that one groundwater sample be collected from a hydropunch or temporary well placed adjacent to the site's "hottest" well, Well MW-2, and that another groundwater sample be collected from Well MW-2 concurrently. The analytical results of these two samples shall be compared to confirm whether historical sample results from Well MW-2 have been accurate. If the analytical results from these two sample points are significantly different, a permanent well with an acceptable screened interval shall be installed adjacent to Well MW-2. The groundwater samples shall be analyzed for TPHg, BTEX, and MTBE. The temporary sample point adjacent to Well MW-2 must be purged prior to sampling and must have a 10-foot long screened interval that screens across the water table.

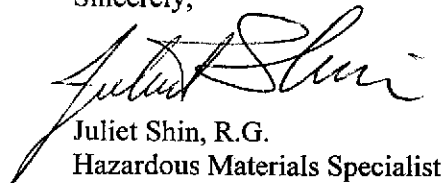
Philip Briggs  
Re: 3530 MacArthur Blvd.  
July 09, 1999  
Page 2 of 2

A workplan addressing the above required work should be submitted to this office within 60 days of the receipt of this letter (i.e., by ~September 10, 1999). Although a workplan for plume delineation was submitted to and approved by this office in June 1998, the proposal was for one permanent monitoring well across MacArthur Blvd. With the current knowledge of the utility line locations lying between the site and the proposed monitoring well, you should submit, at a minimum, an addendum to this plan to address the potential diversion/interception of the contaminant plume by the utility lines, as well as the above required additional on-site groundwater sampling.

Lastly, this office is currently missing the groundwater monitoring reports for the sampling that took place on 04/03/98 and 10/26/98. We would greatly appreciate it if you would send us another copy of both of these reports for our review.

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

Sincerely,



Juliet Shin, R.G.  
Hazardous Materials Specialist

Cc: Leroy Griffin, Oakland Hazardous Materials



1999.07-09 12:05  
 610 337 9335  
 ALAMEDA CO EHS HAZ-OPS

COM No.	REMOTE STATION	START TIME	DURATION	PAGES	RESULT	USER ID	REMARKS
759	925 842 8370	07-09 12:05	00' 49	02/02	OK		

7499402045

ALAMEDA COUNTY  
 HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



Post-It™ brand fax transmittal memo 7671		# of pages	2
To	Phil Briggs	From	Suliet Shin
Co.	Chevron	Co.	Alameda City
Dept.		Phone #	510-567-6763
Fax #	925-842-8370	Fax #	510-337-9335

1101 Harbour Bay Parkway, Suite 250  
 Alameda, CA 94502-8577  
 (510) 567-6700  
 (510) 337-9335 (FAX)

July 09, 1999

Philip R. Briggs  
 Chevron Products Company  
 P.O. Box 6004  
 San Ramon, CA 94583-0904

STID: 1042

Re: Investigations at Chevron Service Station #9-8341, located at 3530 MacArthur Blvd.,  
 Oakland, CA

Dear Mr. Briggs,

This office has reviewed the Utility Survey Report, dated June 28, 1999, and the Second Quarter Groundwater Monitoring Report, dated May 27, 1999, for the above site. This office actually received two copies of the referenced monitoring report, however, only one copy needs to be submitted in the future.

Per the results of the Utility Survey and our conversation on July 09, 1999, storm and sanitary sewer lines which lie at depths commensurate to the surrounding groundwater were identified along the streets bounding the two downgradient sides of the site: Magee Avenue and MacArthur Blvd. Due to the possibility that the utility line trench materials could be acting as preferential flow paths for the site's contaminant plume, this office is requiring that both these areas be addressed as part of the planned plume delineation work.

Per our conversation, the screened intervals of the on-site monitoring wells, MW-1 through MW-3, may not be allowing for the collection of representative groundwater samples. The screened interval of all three wells begin at 7-feet below ground surface (bgs), however, the average water levels in the wells are significantly above this screen depth at 4.7-feet bgs for Wells MW-2 and MW-3 and 5.4-feet bgs for Wells MW-1. Therefore, it is possible that some of the contaminants that tend to float at the top of the water table, such as TPHg and BTEX, are not being captured during the sampling events. Additionally, the length of the screens, which average over 20 feet, are a little longer than the standard screen interval of 15 feet, and may be contributing to some dilution of the contaminant concentrations.

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY



DAVID J. KEARS, Agency Director

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

February 19, 1999  
STID 1042

Philip Briggs  
Chevron USA Inc.  
P.O. Box 5504  
San Ramon, CA 94583-0804

re: 3530 MacArthur Blvd., Oakland, CA 94619

Dear Philip Briggs:

This office has received and reviewed a Quarterly Groundwater Monitoring Report, dated December 30, 1998, by Blaine Tech Services for the above site. The following are comments concerning this document.

1. There is a proposal to evaluate MTBE contamination in the down gradient direction by installing one monitoring well. This is acceptable but it may be better to do several hydropunches to get a better picture of the migration of the MTBE. The groundwater appears to be only 9 ft. down and the proposed well locations are across MacArthur Blvd.
2. The report confirms that MTBE is still a significant problem of unknown extent. The drop this last quarter from 3900 to 1200 is not significant as the MTBE levels have gone up and down in that range for the last 3 years. It was even below 1200 in October 1997. For 3 years in a row the level has risen in the spring and dropped in the fall. The other petroleum constituents do not appear significant any more.

I look forward to the next round of sampling. Please call this office prior to implementation of field work or with any questions at (510) 567-6782.

Sincerely,

Thomas F. Peacock, Manager  
Environmental Protection Division

c: Francis Thie, Blaine Tech Services, Inc., 1680 Rogers  
Ave., San Jose, CA 95112-1105  
Dick Pantages, Chief - files (Tom)  
LeRoy Griffin, City of Oakland Hazardous Materials

ALAMEDA COUNTY  
HEALTH CARE SERVICES

OCT 19 1998



AGENCY  
DAVID J. KEARS, Agency Director

October 15, 1998  
STID 1042

Philip Briggs  
Chevron USA Inc.  
P.O. Box 5504  
San Ramon, CA 94583-0804

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

re: 3530 MacArthur Blvd., Oakland, CA 94619

Dear Philip Briggs:

This office has received and reviewed a Work Plan for additional investigation dated June 6, 1998 by Pacific Environmental Group, Inc. and a Quarterly Groundwater Monitoring Report, dated September 2, 1998, by Gettler-Ryan Inc., with your cover letter dated September 18, 1998, for the above site. The following are comments concerning these documents.

1. The proposal to evaluate MTBE contamination in the down gradient direction is to install one monitoring well. This is acceptable but it may be better to do several hydropunches to get a better picture of the migration of the MTBE. The groundwater appears to be only 9 ft. down and the proposed well locations are across MacArthur Blvd.
2. The later report confirmed that MTBE is still a significant problem of unknown extent. The other petroleum constituents do not appear significant any more.

Please call this office with any questions at (510) 567-6782.

Sincerely,

Thomas F. Peacock, Manager  
Environmental Protection Division

c: Deanna Harding, Gettler-Ryan, Inc., 6747 Sierra Ct., Suite  
J, Dublin, CA 94568  
Dick Pantages, Chief - ~~files~~  
LeRoy Griffin, City of Oakland Hazardous Materials  
James Perkins, Pacific Environmental Group, Inc. 2025  
Gateway Place, Suite 440, San Jose, CA 95110

ENVIRONMENTAL  
PROTECTION

98 JUN 22 PM 4: 55



STP 1042  
**Chevron**

June 18, 1998

**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

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

**Re: Chevron Service Station #9-8341  
3530 MacArthur Blvd.  
Oakland, California**

Dear Mr. Peacock:

This is to advise you that a Work Plan for an Additional Groundwater Investigation was prepared and submitted by our consultant Pacific Environmental Group, Inc. for the above noted site, and was delivered to Mr. Larry Seto of your office on June 16, 1998. Our consultant has been working with Mr. Seto on another site and assumed he was also handling this site.

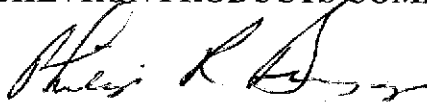
The purpose of this work is to delineate the lateral and vertical extent of petroleum hydrocarbon constituents in groundwater downgradient of the site and as requested in your letter of April 21, 1998.

For clarification: In your letter of June 12, 1998 you noted that I had said in my cover letter of April 30, 1998, that the MtBE concentrations declined in well MW-2 while the report said that they were higher than the previous quarter. If you will review my cover letter I said, "*The concentration of the benzene constituent decreased in monitoring well MW-2 while increasing in well MW-1 from the previous sampling event.*" The only reference of MtBE was for well MW-3 where I noted that all constituents were below method detection limits.

June 18, 1998  
Mr. Thomas Peacock  
Chevron Service Station #9-8341  
Page 2

If you have any questions, call me at (510) 842-9136.

Sincerely,  
**CHEVRON PRODUCTS COMPANY**



Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

CC. Mr. Dick Pantages, Chief  
Alameda County Health Care Services  
Environmental Health Department  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Mr. Leroy Griffin  
City of Oakland Hazardous Materials  
Office of Emergency Services  
505- 14<sup>th</sup> Street, 7<sup>th</sup> Floor  
Oakland, CA 94612

Mr. Bill Scudder, Chevron



**Chevron**

June 18, 1998

**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

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

**Re: Chevron Service Station #9-8341  
3530 MacArthur Blvd.  
Oakland, California**

Dear Mr. Peacock:

This is to advise you that a Work Plan for an Additional Groundwater Investigation was prepared and submitted by our consultant Pacific Environmental Group, Inc. for the above noted site, and was delivered to Mr. Larry Seto of your office on June 16, 1998. Our consultant has been working with Mr. Seto on another site and assumed he was also handling this site.

The purpose of this work is to delineate the lateral and vertical extent of petroleum hydrocarbon constituents in groundwater downgradient of the site and as requested in your letter of April 21, 1998.

For clarification: In your letter of June 12, 1998 you noted that I had said in my cover letter of April 30, 1998, that the MtBE concentrations declined in well MW-2 while the report said that they were higher than the previous quarter. If you will review my cover letter I said, *"The concentration of the benzene constituent decreased in monitoring well MW-2 while increasing in well MW-1 from the previous sampling event."* The only reference of MtBE was for well MW-3 where I noted that all constituents were below method detection limits.

June 18, 1998  
Mr. Thomas Peacock  
Chevron Service Station #9-8341  
Page 2

If you have any questions, call me at (510) 842-9136.

Sincerely,

**CHEVRON PRODUCTS COMPANY**



Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

CC. Mr. Dick Pantages, Chief  
Alameda County Health Care Services  
Environmental Health Department  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Mr. Leroy Griffin  
City of Oakland Hazardous Materials  
Office of Emergency Services  
505- 14<sup>th</sup> Street, 7<sup>th</sup> Floor  
Oakland, CA 94612

Mr. Bill Scudder, Chevron

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



12 June, 1998

STID 1042

Philip Briggs  
Chevron USA Inc.  
P.O. Box 5504  
San Ramon, CA 94583-0804

ENVIRONMENTAL HEALTH SERVICES

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

re: 3530 MacArthur Blvd., Oakland, CA 94619

Dear Philip Briggs:

This office has received and reviewed a Quarterly Groundwater Monitoring Report, dated March 16, 1998, by Gettler-Ryan Inc., with your cover letter dated April 30, 1998, for the above site. The following are comments concerning this report.

1. The high concentrations of MTBE around MW-2 remain, at 2,800 ppb. Your cover letter said that MTBE concentrations declined in this well when the report said that they went back up from the previous quarter.
2. This office is expecting a workplan for further investigation, as you mentioned in your cover letter.

Please call this office with any questions at (510) 567-6782.

Sincerely,

Thomas F. Peacock, Manager  
Environmental Protection Division

c: Deanna Harding, Gettler-Ryan, Inc., 6747 Sierra Ct., Suite  
J, Dublin, CA 94568  
Dick Pantages, Chief - **files**  
LeRoy Griffin, City of Oakland Hazardous Materials



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



April 21, 1998  
STID 1042

Phil Briggs, Tammy Hodge  
Chevron U.S.A., Inc.  
P.O. Box 5004  
San Ramon, CA 94583-0804

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

RE: 3530 Mac Arthur Blvd., Oakland, CA 94619

Dear Mr. Briggs:

This office has received and reviewed a Groundwater Monitoring and Sampling Report by Gettler-Ryan Inc. dated August 20, 1997 for the above site. The following are comments concerning this site:

1. The high levels of MTBE (up to 2,300 ppb) in MW-2 require additional investigation in the downgradient direction. MW-2 is the downgradient well and it does not appear there are any sampling points nearby. The levels going back over a year do not seem to be going down, either.
2. You are directed to submit a workplan for further investigation to this office within 60 days, to investigate the extent of MTBE contamination.

If you have any questions, please contact this office at (510) 567-6782.

Sincerely,

Thomas Peacock, Manager  
Division of Environmental Protection

c: ✓ Dick Pantages, Chief - files

LOP - RECORD CHANGE REQUEST FORM

printed:  
04/21/98

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

Insp: TP

AGENCY # : 10000      SOURCE OF FUNDS: F      SUBSTANCE: 8006619  
 StID : 1042      LOC:  
 SITE NAME: Chevron      DATE REPORTED : 05/02/94  
 ADDRESS : 3530 MacArthur Blvd      DATE CONFIRMED: 05/02/94  
 CITY/ZIP : Oakland      94619      MULTIPLE RPs : N

SITE STATUS

-----  
 CASE TYPE: S      CONTRACT STATUS: 4      PRIOR CODE:2A2      EMERGENCY RESP:  
 RP SEARCH: S      DATE COMPLETED: 05/02/94  
 PRELIMINARY ASMNT:      DATE UNDERWAY:      DATE COMPLETED:  
 REM INVESTIGATION:      DATE UNDERWAY:      DATE COMPLETED:  
 REMEDIAL ACTION: I      DATE UNDERWAY: 05/02/94      DATE COMPLETED: 05/02/94  
 POST REMED ACT MON:      DATE UNDERWAY:      DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1      DATE ENFORCEMENT ACTION TAKEN: 05/02/94  
 LUFT FIELD MANUAL CONSID: 2HSCA  
 CASE CLOSED:      DATE CASE CLOSED:  
 DATE EXCAVATION STARTED : 05/02/94      REMEDIAL ACTIONS TAKEN: ED

RESPONSIBLE PARTY INFORMATION

-----  
 RP#1-CONTACT NAME: Phil Briggs  
 COMPANY NAME: Chevron U.S.A. Inc.  
 ADDRESS: P. O. Box 5004  
 CITY/STATE: San Ramon, C A 94583-0804

INSPECTOR VERIFICATION:

NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

DATA ENTRY INPUT:

Name/Address Changes Only

Case Progress Changes

ANNPGMS \_\_\_\_\_ LOP \_\_\_\_\_ DATE \_\_\_\_\_

LOP \_\_\_\_\_ DATE \_\_\_\_\_



**Chevron**

December 12, 1995

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

Ms. Madhulla Logan  
Alameda Co. Dept. of Environmental Health  
1131 Harbor Bay Pkwy, 2nd Floor  
Alameda, CA 94502-6577

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

Re : Chevron Service Station 9-8341  
3530 Macarthur Blvd., Oakland, California

Dear Ms. Logan :

The following comments were in response to each item listed in your December 7, 1995 letter to this office.

After conferring with a registered hydrogeologist, the hydrogeologist suggested placing wells at distances greater than 50 feet for the same reasons that were mentioned in my earlier letter. The hydrogeologist felt that a distance of 50 feet or less was too close to take in account the topographic variations of the site depending on site conditions.

In regards to moving monitoring well MW-1 closer to the underground storage tanks, the underground storage tanks are not in question. This investigation was initiated because of the line replacement. The tanks are tested each year for leaks. Because the pump islands are located down-gradient of the underground storage tanks and are relatively close, a well placed down-gradient of the pump islands would be more appropriate because it could monitor both areas. The tanks were recently modified to prevent overfills and spills. Monitoring well MW-1 will remain in its present location.

Chevron has no objections in moving MW-2 closer to the pump islands. The exact location of this well may differ from your drawing because of city ordinances and underground utilities. Pacific Environmental Group will send a modified site plan showing the new location of MW-2. An attempt will be made to submit this revised site plan versus a revised work plan within 15 days since there are no other modifications besides the relocation of well MW-2.

Additional assessment(s) maybe necessary depending on the results of this investigation. Again, Chevron generally phases its investigation to minimize the number of nonbeneficial well(s). If you have more questions or comments, please feel free to give me a call at (510) 842-8752 or write.

Sincerely,  
Chevron U.S.A. Products Co.

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

Kenneth Kan  
Engineer

LKAN/98341R02

cc : Ms. Bette Owen, Chevron U.S.A. Products Co.

Mr. Mark Sullivan, Pacific Environmental Group, 2025 Gateway Place, Suite 440, San Jose, CA 95110  
(Note : w/Dec. 7, 1995 Alameda Co. Env. Health Letter)

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577  
(510) 567-6777

December 7, 1995

Mr. Kenneth Kan  
Chevron U.S.A  
P.O Box 5004  
San Ramon, CA - 94583

**Ref: Response to letter dated in November 30, 1995 in regards to workplan submitted for 3530 Macarthur Boulevard, Oakland, CA STID 1042**

Dear Mr. Kan:

I am in receipt of your letter dated November 30, 1995 sent in response to my comments on your February 1995 workplan, submitted by Canonie Environmental for the above referenced property. Given below is this Department's response to your comments:

1. You had mentioned that by locating the wells further apart from each other, a larger potentiometric surface plane will be created and this will provide a better approximation of the direction of groundwater. This may be true in instances where the wells are located less than 40 to 50 feet from each other. However, since the proposed location of the monitoring well, MW-2 is nearly 120 feet from the pump island, this Department had recommended that the well be located within 20 to 25 feet of the pump island and this modification will not bring the wells closer than 50 feet to each other. If the monitoring wells are placed significantly apart from each other, the measured gradient may not be representative of the local conditions and which in some instances differ from the regional groundwater gradient. Also, this Department recommends moving monitoring well, MW-1 to a location closer to the underground storage tank area as this may give indication to any past or existing leaks/spills in this area. I have enclosed a copy of the site map with the recommended location for monitoring wells, MW-1 and MW-2.
2. As I mentioned in my previous letter, in addition to knowing the extent of groundwater plume migration, it is important to determine the contaminant concentrations near the main source of leak/spill. The laboratory results of soil samples collected subsequent to removal of the product piping indicated significant concentrations of gasoline upto 1300 ppm, and benzene upto 1300 ppb near the pump island. As this data indicates the pump island to be the main source of contamination, it is important to determine if the soil contamination in this area has affected the groundwater quality.
3. Please correct your records that this Department is fully aware that the Tri-Regional Valley Guidelines (TRG) is only a recommendation and no mention was made of the TRG being used as a requirement in my letter dated November 11, 1995. However, the

TRG is used by this Department when applicable as one of the available resources for making logical decisions.

4. Placing a downgradient well more than 100 feet away from the likely source of contamination may not provide enough data to this Department to make decisions regarding closure. As you may know, this Department usually evaluates the groundwater conditions for reasons of closure using at least 4 quarters of groundwater monitoring data. However, without data from a monitoring well located within 30 feet from the main source of contamination, it is difficult to make decisions regarding closure, regardless of the concentrations found in other monitoring wells. Hence, it is to Chevron's benefit to re-locate monitoring wells, MW-1 and MW-2 to obtain data that can be used by this Department to evaluate the risk to public health and groundwater quality due to any contamination present on site.

Hopefully, this response provides clarification to your comments. **Please provide a modified workplan to this Department within 15 days from the receipt of this letter.** If you have any questions, you can reach me at (510) 567-6764.

Sincerely,

A handwritten signature in cursive script that reads "Madhulla Logan".

Madhulla Logan,  
Hazardous Material Specialist

C: Gordon Coleman, Acting Chief/files



**Chevron**

November 30, 1995

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

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

Ms. Madhulla Logan  
Alameda Co. Dept. of Environmental Health  
1131 Harbor Bay Pkwy, 2nd Floor  
Alameda, CA 94502-6577

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

Re : Chevron Service Station 9-8341  
3530 Macarthur Blvd., Oakland, California

Dear Ms. Logan :

In reviewing the work plan prepared by Canonie Environmental dated February 1995, Canonie does not state that they will only analyze soil samples based on photoionization detector (PID) readings. On page 8 where you may have misinterpreted the paragraph titled "Laboratory Analyses", Canonie is stating it will analyze samples every 5 feet till first encountered groundwater. The brass tube that will be selected at the 5 foot interval since there are 3 in an 18 inch split-spoon sampler, will be the one with the highest PID reading.

In regards to the location of monitoring wells MW-1 and MW-2, there were several reasons for locating the wells 40 to 60 feet away from the product piping.

1. By locating the wells further apart from each other, it creates a larger potentiometric surface plane. Having a larger plane will provide a better approximation of the direction of groundwater.
2. Locating wells relatively close to each other will not yield significant information. Often wells located near each other will yield slightly different concentrations. Overall, they remain relatively the same.
3. The Tri-Regional Guidelines does not specifically state that a well has to be constructed near the product piping. Also, the Tri-Regional Guidelines are recommendations or guidelines which are not requirements. The concentrations below the site is dwarfed by the actual product being dispensed or the exhaust fumes from vehicles which pose a greater risk.
4. In regards to having several wells defining the cross-gradient and down-gradient direction, it will depend on the results of the investigation(s). Chevron generally phases its investigation to minimize the number of nonbeneficial well(s). The direction of groundwater has not been determined. Placing several wells prematurely may results in wasted resources if the assumed direction is incorrect.

Hopefully, the above explanation alleviates your concerns. Chevron is willing to work with you in seeking a solution if you still have concerns. If you have more questions or comments, please feel free to give me a call at (510) 842-8752 or write.

Sincerely,  
Chevron U.S.A. Products Co.

Kenneth Kan  
Engineer

LKAN/98341R01

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

November 21, 1995

Mr. Kenneth Kan  
Chevron U.S.A  
P.O Box 5004  
San Ramon, CA - 94583

STID 1042

Ref: Response to Workplan for 3530 Macarthur Blvd, Oakland, CA

Dear Mr. Kan:

This Department has reviewed the workplan submitted by Canonie Environmental for the above referenced site. During the removal of product piping on site, confirmation sample results obtained after overexcavation indicated the presence of up to 1300 ppm of TPHg and up to 6 ppm of benzene.

Based on the information submitted to this Department, the workplan should be modified to address the following concerns:

1. The workplan mentions that soil samples will be collected every 5 feet but based on the photoionization detector (PID) readings, only selected samples will be analyzed for hydrocarbons. Since the workplan has proposed a limited number of borings (3 proposed borings), this Department requires that all soil samples collected every 5 feet, regardless of the PID readings be analyzed for BTEX and TPHg.
2. Based on an assumed groundwater gradient to the southwest, as mentioned in your workplan, and the presence of significant contamination along the former product piping, please give a rationale for the proposed location of monitoring wells, MW-1 and MW-2. Monitoring well, MW-1 is located approximately 30 feet and MW-2 is located approximately 100 feet from the product piping respectively. Based on the Tri-regional Valley Guidelines, atleast 1 monitoring well should be placed within 10 feet from the product piping. In addition to knowing the extent of groundwater plume, it is important to determine the realistic concentrations present around the area of investigation. This would require that atleast 2 monitoring wells be placed at the downgradient/cross gradient direction at a reasonable distance (within 50 feet) from the product piping. Also, this would give information on the extent of soil contamination that has migrated from the area of investigation.

Please submit a letter/workplan to address the above listed concerns within 30 days. If you have any question, you can reach me

at (510) 567-6764.

Sincerely,

A handwritten signature in cursive script that reads "Madhulla Logan". The signature is written in dark ink and is positioned above the typed name.

Madhulla Logan  
Hazardous Material Specialist



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

August 16, 1994

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

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

STID 1042

Re: Required investigations at Chevron Service Station No.  
9-8341, located at 3530 MacArthur Blvd., Oakland, CA

Dear Mr. Kan,

This office has reviewed Touchstone Developments' Waste Oil Tank and Product Line Removal Report, dated June 28, 1994, for the above site. Soil samples collected from beneath the product piping identified up to 1,300 ppm TPHg and 6 ppm benzene from approximately 5-feet below ground surface (bgs). Details from the waste oil tank removal indicated that ground water was located at approximately 6-feet bgs. Therefore, based on the fact that the depth-to-water is nearly equal to the depth of the soil contamination, it appears that ground water may have been impacted.

Guidelines established by the California Regional Water Quality Control Board (RWQCB) require that soil and ground water investigations be conducted when there is evidence to indicate that a release from an UST will impact or may have impacted the ground water.

You are required to conduct a **Preliminary Site Assessment (PSA)** to determine the lateral and vertical extent and severity of soil and ground water contamination resulting from the release at the site. The information gathered by the PSA will be used to determine an appropriate course of action to remediate the site, if deemed necessary. The PSA must be conducted in accordance with the RWQCB's Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks, and be consistent with requirements set forth in Article 11 of Title 23, California Code of Regulations. The major elements of such an investigation are summarized in the attached **Appendix A**. The major elements of the guidelines include, but are not limited to, the following:

- o At least one permanent ground water monitoring well must be installed within 10 feet of the observed soil contamination, oriented in the confirmed downgradient direction relative to groundwater flow. In the absence of neighboring monitoring wells located within 100 feet of the

Mr. Kenneth Kan  
Re: 3530 MacArthur Blvd.  
August 16, 1994  
Page 3 of 3

definition maps for each target component, geologic cross sections, etc.

- o Recommendations or plans for additional investigative work or remediation.

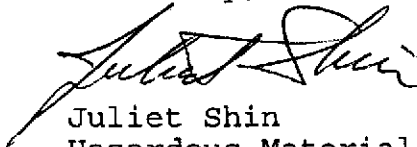
Please be advised that this is a formal request for a work plan pursuant to **Section 2722 (c)(d) of Title 23 California Code of Regulations**. Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or RWQCB.

According to Touchstone's report, excavated soil was hauled to Forward Landfill in Stockton and Redwood Landfill in Novato. Please submit the documentation for this soil disposal and the manifest(s) for the waste oil tank disposal.

Lastly, the figures in the report did not indicate the location of sample P-6. Please resubmit a copy of Figure 2 with the sample location for P-6.

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

Sincerely,



Juliet Shin  
Hazardous Materials Specialist

ATTACHMENT

cc: Jeff Monroe  
Touchstone Developments  
P.O. Box 2554  
Santa Rosa, CA 95405

Edgar Howell

**RANKIN & RANKIN**

9800 HILLVIEW ROAD  
NEWCASTLE, CA 95658  
(916) 823-9523  
FAX (916) 823-9574

June 7, 1994

Alameda County  
Department of Environmental Health  
Hazardous Materials Division  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
Attn.: Medulla Logan

RE: Soil excavation, Chevron Fac #8341, 3530 Mac Arthur Blvd.

Dear Medulla Logan:

This letter is in regard to the excavation which has taken place around an existing canopy footing at the above referenced site. Our company has been retained by Chevron for the design, manufacturing, and installation of the new canopy structure. A key element in the design of the project has been the use of this existing footing as one of the supports for the new structure. During his work, the contractor has correctly terminated his excavation at a point where further soil removal could seriously jeopardize the footing's structural integrity and endanger the footing of shifting significantly or toppling over.

Unfortunately, I am informed that a contamination problem may exist around this footing which is calling for the removal of more soil. Of course, I am not in a position to determine whether this excavation is absolutely required for environmental reasons. Instead, the purpose of this letter is to bring to light the possible consequences of over excavation and request that the contractor not approach this foundation closer than he has already.

If you have any questions, please feel free to call me directly. Thank you for your consideration of this matter.

Sincerely,



Joe Young, P.E.



cc. Belinda Erdelt, Chevron USA

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Division Inspection Form

Site ID# \_\_\_\_\_ Site Name Chevron Today's Date 5/27/94  
 Site Address 3530 MacArthur EPA ID# \_\_\_\_\_  
 City Oakland Zip 94 Phone \_\_\_\_\_

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

Inspection Categories:

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

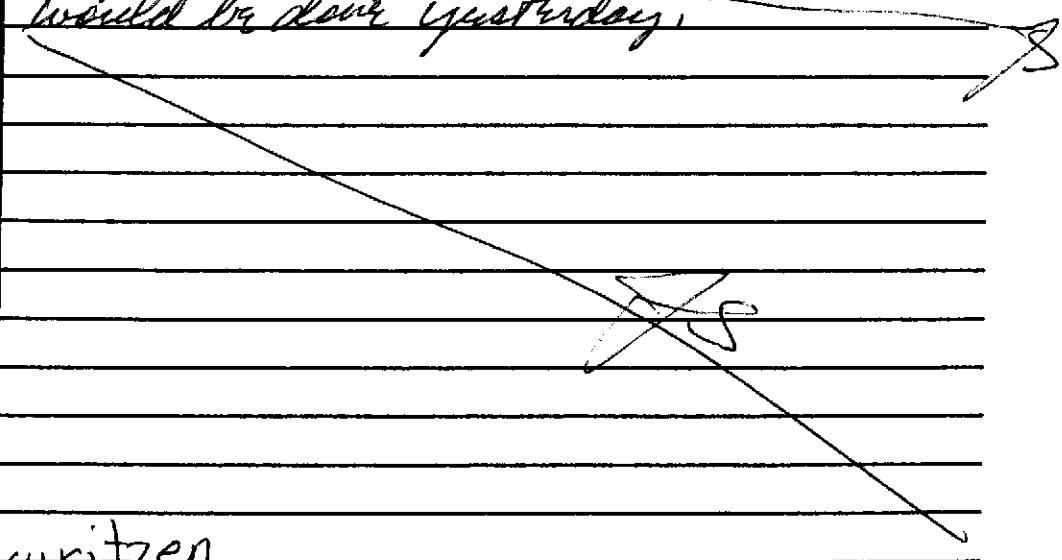
The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

- |                   |  |  |
|-------------------|--|--|
|                   | <input type="checkbox"/> 1. Waste ID                 | * 66471  |
|                   | <input type="checkbox"/> 2. EPA ID                   | 66472  |
|                   | <input type="checkbox"/> 3. > 90 days                | 66508  |
|                   | <input type="checkbox"/> 4. Label dates              | 66508  |
|                   | <input type="checkbox"/> 5. Biennial                 | 66493  |
| Manifest          | <input type="checkbox"/> 6. Records                  | 66492  |
|                   | <input type="checkbox"/> 7. Correct                  | 66484  |
|                   | <input type="checkbox"/> 8. Copy sent                | 66492  |
|                   | <input type="checkbox"/> 9. Exception                | 66484  |
|                   | <input type="checkbox"/> 10. Copies Rec'd            | 66492  |
| Misc.             | <input type="checkbox"/> 11. Treatment               | 66371  |
|                   | <input type="checkbox"/> 12. On-site Disp. (H.S.&C.) | 26189.5  |
|                   | <input type="checkbox"/> 13. Ex Haz. Waste           | 66570  |
| Prevention        | <input type="checkbox"/> 14. Communications          | 67121  |
|                   | <input type="checkbox"/> 15. Aisle Space             | 67124  |
|                   | <input type="checkbox"/> 16. Local Authority         | 67126  |
|                   | <input type="checkbox"/> 17. Maintenance             | 67120  |
|                   | <input type="checkbox"/> 18. Training                | 67105  |
| Conf. Agency      | <input type="checkbox"/> 19. Prepared                | 67140  |
|                   | <input type="checkbox"/> 20. Name List               | 67141  |
|                   | <input type="checkbox"/> 21. Copies                  | 67141  |
|                   | <input type="checkbox"/> 22. Emg. Coord. Trng.       | 67144  |
| Containers, Tanks | <input type="checkbox"/> 23. Condition               | 67241  |
|                   | <input type="checkbox"/> 24. Compatibility           | 67242  |
|                   | <input type="checkbox"/> 25. Maintenance             | 67243  |
|                   | <input type="checkbox"/> 26. Inspection              | 67244  |
|                   | <input type="checkbox"/> 27. Buffer Zone             | 67246  |
|                   | <input type="checkbox"/> 28. Tank Inspection         | 67259  |
|                   | <input type="checkbox"/> 29. Containment             | 67245  |
|                   | <input type="checkbox"/> 30. Safe Storage            | 67261  |
|                   | <input type="checkbox"/> 31. Freeboard               | 67257  |
|                   |  | <input type="checkbox"/> 32. Applic./Insurance |
|                   | <input type="checkbox"/> 33. Comp. Cert./CHP Insp.   | 66448  |
|                   | <input type="checkbox"/> 34. Containers              | 66465  |
| Manifest          | <input type="checkbox"/> 35. Vehicles                | 66465  |
|                   | <input type="checkbox"/> 36. EPA ID #s               | 66531  |
|                   | <input type="checkbox"/> 37. Correct                 | 66541  |
|                   | <input type="checkbox"/> 38. HW Delivery             | 66543  |
|                   | <input type="checkbox"/> 39. Records                 | 66544  |
| Conf's            | <input type="checkbox"/> 40. Name/ Covers            | 66545  |
|                   | <input type="checkbox"/> 41. Recyclables             | 66800  |

Comments:

Came out to site to witness water sampling from pit. The pit was pumped yesterday afternoon, and allowed to recharge. Slight sheen observed on water table. Groundwater sample was collected using a resealable PVC bailer. Sample will be analyzed for TPHs, UPHs, BTEX, Oils, Chlorinated, 8270 constit, and heavy metals. The fill pipe did not appear to be grouted and capped, although Chevron stated that it would be done yesterday.



Rev 6/88

Contact: Robert Lauritzen  
 Title: Project Geologist  
 Signature: Robert Lauritzen

Inspector: Judith Shinn  
 Signature: Judith Shinn

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Division Inspection Form

Page 2

Site ID# \_\_\_\_\_ Site Name \_\_\_\_\_ Today's Date 5/19/94  
 Site Address 3530 MacArthur Blvd. EPA ID# \_\_\_\_\_  
 City Oakland Zip 94 Phone \_\_\_\_\_

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

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

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

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

**Comments:**  
 Arrived on site to oversee removal of 1,000-gallon waste oil UST. Vent line going north/south from tank and remote fill in east forest direction. UST was located behind building and was oriented north/south. Water was noted in pit. Tank is fiberglass. The remaining remote fill pipe, leads into the building, and will be removed, grouted, and capped. O<sub>2</sub> = 1.7 % and LEL = 0 %. Fire Department was not at site, possibly due to miscommunication (50 lbs of dry ice placed in tank). The tank was removed & there were no apparent holes in tank. There was a foamy looking substance (possibly steam, or the water?) or water. A water sample will be collected on the same day as when they get a vacuum truck out, for capping off the remote fill line. (Could be due to percolation).  
 \* Steam noted on groundwater. The pit was ~6' bgs. Odors from pit. Soil sample collected from soil/water interface at ~6' bgs, from below the fill pipe (on west wall). Soil was green and clay.

Manifest # 93239369

- I.B TRANSPORTER (Title 22)**
- 32. Applic./Insurance 66428
  - 33. Comp. Cert./CHP Insp. 66448
  - 34. Containers 66465
- 
- Manifest**
- 35. Vehicles 66465
  - 36. EPA ID #s 66531
  - 37. Correct 66541
  - 38. HW Delivery 66543
  - 39. Records 66544
- 
- Cont's**
- 40. Name/ Covers 66545
  - 41. Recyclables 66800

Rev 6/88

Contact: Mike Tamborini, Touchstone  
 Title: Proj mgr. Inspector: Juliet Shiny  
 Signature: [Signature] Signature: \_\_\_\_\_

Pg 2 of 2

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Division Inspection Form

Site ID# Site Name Today's Date 5/19/94
Site Address 3530 MacArthur EPA ID#
City Oakland Zip 94 Phone

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

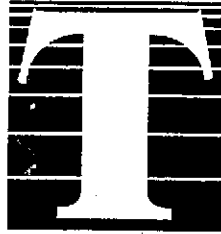
- Inspection Categories:
I. Haz. Mat/Waste GENERATOR/TRANSPORTER
II. Business Plans, Acute Hazardous Materials
III. Underground Tanks

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

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

Comments:
Soil sample collected from soil/water interface at south wall. Green coloring and sandy clay. St Green color appears to be staining due to fact that immediately beneath green soil is brick / rust colored soil. One composite soil sample will be collected from gravel and soil backfill. (Soil piles will be covered)
(Two samples per pile (4 piles) to each be composited)

Mike Tambroni



Touchstone Developments Environmental Management

P.O. Box 2554 Santa Rosa, CA 95405 Office: (707) 538-8818 SF Office/Fax: (415) 386-8791 Mobile: (707) 484-6557

Rev 6/88

Contact: Mike Tambroni, Touchstone
Title: Proj Mgr
Signature: [Signature]
Inspector: Juliet Skins
Signature: [Signature]

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

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY <b>HAZMAT</b> I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM. <i>9/11/94 11:243</i>	
REPORT DATE <i>05/02/94</i>		CASE #		SIGNED _____ DATE _____	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT <i>KENNETH KAN</i>		PHONE <i>(510) 842-8752</i>	SIGNATURE <i>Kenneth Kan</i>	
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME <i>CHEVRON U.S.A. PRODUCTS Co.</i>		
ADDRESS <i>2410 Camino Ramon</i> STREET <i>SAN RAMON</i> CITY <i>CALIFORNIA</i> STATE <i>94583</i> ZIP					
RESPONSIBLE PARTY	NAME <i>CHEVRON U.S.A. PRODUCTS Co.</i> <input type="checkbox"/> UNKNOWN		CONTACT PERSON <i>KENNETH KAN</i>	PHONE <i>(510) 842-8752</i>	
	ADDRESS <i>2410 Camino Ramon</i> STREET <i>SAN RAMON</i> CITY <i>CALIFORNIA</i> STATE <i>94583</i> ZIP				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) <i>CHEVRON STATION 9-8341</i>		OPERATOR <i>JAMES MARSHALL</i>	PHONE <i>(510) 531-9895</i>	
	ADDRESS <i>3530 MacArthur Blvd</i> STREET <i>OAKLAND</i> CITY <i>ALAMEDA</i> COUNTY <i>94619</i> ZIP				
	CROSS STREET <i>MAGEE STR.</i>				
IMPLEMENTING AGENCIES	LOCAL AGENCY <i>ALAMEDA Co. DEPT. ENV. HEALTH</i>		AGENCY NAME		CONTACT PERSON <i>JULIET SHAIN</i>
	REGIONAL BOARD <i>RWQCB - S.F. BAY REGION</i>				PHONE <i>(510) 271-4530</i>
SUBSTANCES INVOLVED	(1) NAME <i>UNLEADED GASOLINE</i>			QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN	
	(2) _____ <input type="checkbox"/> UNKNOWN				
DISCOVERY/ABATEMENT	DATE DISCOVERED <i>05/02/94</i>		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER <i>RE CONSTRUCTION</i>		
	DATE DISCHARGE BEGAN ____/____/____ <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> OTHER <i>REMOVE PIPING</i>		
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE <i>04/26/94</i>				
SOURCE/ CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER		
	CASE TYPE CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input checked="" type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input checked="" type="checkbox"/> CLEANUP UNDERWAY				
	REMEDIAL ACTION CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> OTHER (OT) _____				
COMMENTS					



FACSIMILE COVER SHEET  
CHEVRON U.S.A. PRODUCTS COMPANY  
NORTHWEST MARKETING REGION



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

Date : 5-2-94

From : Kenneth Kan  
Site Assessment & Remediation Group

Phone Number : (510) 842-8752  
Facsimile Number : (510) 842-8252

To : JULIET SHIN - ALAMEDA CO. DEPT. OF ENV. HEALTH  
Facsimile Number : 510 569-4757

Subject : CHEVRON STATION 9-8341 : 3530 MACARTHUR  
BLVD. OAKLAND

Comments : ATTACHED IS THE UNDERGROUND STORAGE TANK  
UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE  
REPORT.

Number of Pages Including Cover Sheet : 2



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

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM. SIGNED: _____ DATE: _____		
REPORT DATE 05/02/94		CASE #				
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Kenneth Kan		PHONE (510) 842-8752	SIGNATURE <i>Kenneth Kan</i>		
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME Chevron U.S.A. Products Co.			
ADDRESS 2410 Camino Ramon Street San Ramon City California State 94583						
RESPONSIBLE PARTY	NAME Chevron U.S.A. Products Co. <input type="checkbox"/> UNKNOWN		CONTACT PERSON Kenneth Kan	PHONE (510) 842-8752		
	ADDRESS 2410 Camino Ramon Street San Ramon City California State 94583					
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Chevron Station 9-2341		OPERATOR James Marshall	PHONE (510) 531-9895		
	ADDRESS 3530 MacArthur Blvd Street Oakland City Alameda County 94619					
	CROSS STREET MAGEE ST.					
IMPLEMENTING AGENCIES	LOCAL AGENCY Alameda Co. Dept. Env. Health		CONTACT PERSON Juliet Shaw	PHONE (510) 271-4530		
	REGIONAL BOARD RWQCB - S.F. Bay Region		CONTACT PERSON Richard Hiatt	PHONE (510) 288-4359		
SUBSTANCE INVOLVED	(1) NAME UNLEADED GASOLINE				QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN	
	(2)				<input type="checkbox"/> UNKNOWN	
DISCOVERY/ABATEMENT	DATE DISCOVERED 05/02/94		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS	<input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER RE CONSTRUCTION		
	DATE DISCHARGE BEGAN UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)			
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 04/26/94		<input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> OTHER REMOVE PIPING			
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER			
	CASE TYPE <input type="checkbox"/> UNDETERMINED <input checked="" type="checkbox"/> SOL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)					
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input checked="" type="checkbox"/> CLEANUP UNDERWAY					
	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CS) <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (BT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> OTHER (OT)					
COMMENTS						

Page 2

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Division Inspection Form

Site ID# 1042 Site Name Chevron Today's Date 5/2/94
Site Address 3530 MacArthur EPA ID#
City Oakland Zip 94619 Phone

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

Inspection Categories:

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

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

I.A GENERATOR (Title 22)

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

Comments:

Came out to site to witness overexcavation sampling of gas product piping trench. Strong odor was observed to be emanating from area of overexcavation (which was at the south end of the western most former piping trench, which layed parallel to MacArthur). Kenneth Kan determined that the fiberglass product piping was nonhazardous, since they were rinsed, and they will be hauled to Vasco Rd (B-F-I) as nonhazardous, under manifest. All excavated soil will be characterized and off-hauled. The waste oil tank will be removed after new piping is placed at site and soil is off-hauled (consistly in ~ 3 weeks). Sample P-1, collected from overexcavated area around former P-1, was black silty clay, w/ slight odor. Sample P-2 consisted of same soil as P-1, w/ slight odor. P-3 was sandier & wet w/ no odor. P-4 had slight odor, wet, sandy clay. P-5 was greenish clay w/ out odor. Refer to sketch for sample depths. Minimal excavation will be conducted in area along other dispenser where 14 ppm was identified.

I.B TRANSPORTER (Title 22)

- 32. Applic./Insurance 66428
33. Comp. Cert./CHP Insp. 66448
34. Containers 66465
35. Vehicles 66465
36. EPA ID #s 66531
37. Correct 66541
38. HW Delivery 66543
39. Records 66544
40. Name/ Covers 66545
41. Recyclables 66800

Rev 6/88

Contact: Kenneth Kan Inspector: Juliet Shim
Title: Site Assessment/Remediation Inspector Signature: Juliet Shim
Signature: Kenneth Kan Signature: Juliet Shim

Pg 2 of 2

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

## Hazardous Materials Division Inspection Form

Site ID# \_\_\_\_\_ Site Name \_\_\_\_\_ Today's Date 5/2/94

Site Address \_\_\_\_\_ EPA ID# \_\_\_\_\_

City \_\_\_\_\_ Zip 94 Phone \_\_\_\_\_

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

**Inspection Categories:**

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

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

**I.A. GENERATOR (Title 22)**

- |       |                             |         |
|-------|-----------------------------|---------|
| _____ | 1. Waste ID                 | * 66471 |
| _____ | 2. EPA ID                   | 66472   |
| _____ | 3. > 90 days                | 66508   |
| _____ | 4. Label dates              | 66508   |
| _____ | 5. Biennial                 | 66493   |
| <hr/> |                             |         |
| _____ | 6. Records                  | 66492   |
| _____ | 7. Correct                  | 66484   |
| _____ | 8. Copy sent                | 66492   |
| _____ | 9. Exception                | 66484   |
| _____ | 10. Copies Rec'd            | 66492   |
| <hr/> |                             |         |
| _____ | 11. Treatment               | 66371   |
| _____ | 12. On-site Disp. (H.S.&C.) | 26189.5 |
| _____ | 13. Ex Haz. Waste           | 66570   |
| <hr/> |                             |         |
| _____ | 14. Communications          | 67121   |
| _____ | 15. Aisle Space             | 67124   |
| _____ | 16. Local Authority         | 67126   |
| _____ | 17. Maintenance             | 67120   |
| _____ | 18. Training                | 67108   |
| <hr/> |                             |         |
| _____ | 19. Prepared                | 67140   |
| _____ | 20. Name List               | 67141   |
| _____ | 21. Copies                  | 67141   |
| _____ | 22. Emg. Coord. Trng.       | 67144   |
| <hr/> |                             |         |
| _____ | 23. Condition               | 67241   |
| _____ | 24. Compatibility           | 67242   |
| _____ | 25. Maintenance             | 67243   |
| _____ | 26. Inspection              | 67244   |
| _____ | 27. Buffer Zone             | 67246   |
| _____ | 28. Tank Inspection         | 67259   |
| _____ | 29. Containment             | 67245   |
| _____ | 30. Safe Storage            | 67261   |
| _____ | 31. Freeboard               | 67257   |

**Comments:**

*Area of sample P-1 was overexcavated (where 59 ppm found)*

*Former Disposal*

*Former Disposal*

*Mac Arthur*

*pipings trench*

*to tanks*

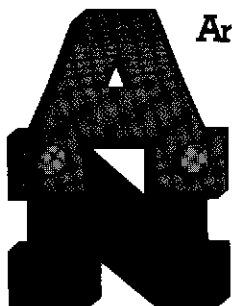
*pipings trench*

*overexcavated area*

*P-1 samples = samples where 120 ppm initially identified*

**I.B. TRANSPORTER (Title 22)**

- |       |                           |       |
|-------|---------------------------|-------|
| _____ | 32. Applic./Insurance     | 66428 |
| _____ | 33. Comp. Cert./CHP Insp. | 66448 |
| _____ | 34. Containers            | 66465 |
| <hr/> |                           |       |
| _____ | 35. Vehicles              | 66465 |
| _____ | 36. EPA ID #s             | 66531 |
| _____ | 37. Correct               | 66541 |



**Armer/Norman & Associates**

1561 Third Avenue  
Walnut Creek, CA 94596  
(510) 937-8501  
Fax: (510) 937-1938

General and Engineering  
Contractors

W. A. Armer

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

Signature: \_\_\_\_\_

*Juliet Shun*

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Division Inspection Form

Site ID# 1042 Site Name Chevron Today's Date 7/28/94  
 Site Address 3530 MacArthur EPA ID#   
 City Oakland Zip 94619 Phone

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

Inspection Categories:

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

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

I.A GENERATOR (Title 22)

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

Comments:

Came out to site to observe the sampling beneath some old product piping that was discovered lying adjacent to the two former piping going from the dispensers to tanks (SECTION). These older pieces of piping were laying immediately west of the other piping (NOT EXTENDING TO THE TANK) at about the same depth, according to contractor. The piping had already been removed by the time I came out to site. They suggest the piping supposedly extended ~ 15 feet south of the other adjacent piping. A soil sample was collected near the southern end of the piping. The sample was black clayey soil w/ strong odor.

I.B TRANSPORTER (Title 22)

- |          |  |       |
|----------|--|-------|
|          | <input type="checkbox"/> 32. Applic./Insurance     | 66428 |
|          | <input type="checkbox"/> 33. Comp. Cert./CHP Insp. | 66448 |
|          | <input type="checkbox"/> 34. Containers            | 66465 |
| Manifest | <input type="checkbox"/> 35. Vehicles              | 66465 |
|          | <input type="checkbox"/> 36. EPA ID #s             | 66531 |
|          | <input type="checkbox"/> 37. Correct               | 66541 |
|          | <input type="checkbox"/> 38. HW Delivery           | 66543 |
|          | <input type="checkbox"/> 39. Records               | 66544 |
| Cont'rs  | <input type="checkbox"/> 40. Name/ Covers          | 66545 |
|          | <input type="checkbox"/> 41. Recyclables           | 66800 |

Rev 6/88

Contact: Kenneth Kon  
 Title: Site Assessment & Remediation Inspector  
 Signature: Kenneth Kon ENGR. Signature: Juliet Siles

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Division Inspection Form

Site ID# 1042 Site Name Chevron Today's Date 9/26/94  
 Site Address 3530 MacArthur EPA ID# \_\_\_\_\_  
 City Oakland Zip 94619 Phone \_\_\_\_\_

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

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

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

<b>LA GENERATOR (Title 22)</b>	
___ 1. Waste ID	* 66471
___ 2. EPA ID	66472
___ 3. > 90 days	66508
___ 4. Label dates	66508
___ 5. Biennial	66493
<b>Manifest</b>	
___ 6. Records	66492
___ 7. Correct	66484
___ 8. Copy sent	66492
___ 9. Exception	66484
___ 10. Copies Rec'd	66492
<b>Misc.</b>	
___ 11. Treatment	66371
___ 12. On-site Disp. (H.S.&C.)	26189.5
___ 13. Ex Haz. Waste	66570
<b>Prevention</b>	
___ 14. Communications	67121
___ 15. Aisle Space	67124
___ 16. Local Authority	67126
___ 17. Maintenance	67120
___ 18. Training	67105
<b>Cont'n. gency</b>	
___ 19. Prepared	67140
___ 20. Name List	67141
___ 21. Copies	67141
___ 22. Emg. Coord. Trng.	67144
<b>Containers, Tanks</b>	
___ 23. Condition	67241
___ 24. Compatibility	67242
___ 25. Maintenance	67243
___ 26. Inspection	67244
___ 27. Buffer Zone	67246
___ 28. Tank Inspection	67259
___ 29. Containment	67245
___ 30. Safe Storage	67251
___ 31. Freeboard	67257
<b>LB TRANSPORTER (Title 22)</b>	
___ 32. Applic./Insurance	66428
___ 33. Comp. Cert./CHP Insp.	66448
___ 34. Containers	66465
<b>Manifest</b>	
___ 35. Vehicles	66445
___ 36. EPA ID #s	66531
___ 37. Correct	66541
___ 38. HW Delivery	66543
___ 39. Records	66544
<b>Cont'n's</b>	
___ 40. Name/ Covers	66545
___ 41. Recyclables	66800

**Comments:**  
 waste oil tank not being removed today.  
 Came out to site to oversee removal of gas product piping and one 1000-gallon waste oil OST. The Fire Prevention Bureau was apparently not notified about coming out to the site. Per my conversation w/ Gloria, Fire Prevention Bureau, the a Fire Marshall should've been required to be out at site, but due to late notice, they couldn't send anyone out. The gas product piping was raised on last Friday and a week prior to that w/ water, according to Kenneth Kan, Chevron. Piping had already been exposed and broken up in the trenches. Because all four lines of product piping were all lying in trench alongside one another I am only requiring one sample per every 20 feet of trench rather than for every 20 feet of piping. There was approximately 70 feet of trench so it was decided that four samples would be collected from beneath piping in trench.

Rev 6/88  
 Contact: Kenneth Kan  
 Title: Site Supervisor - Remediation Eng. Inspector: Juliet Shyn  
 Signature: [Signature] Signature: [Signature]

Pg 2 of 2

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Division Inspection Form

Site ID# 1042 Site Name Chevron Today's Date 4/26/94
Site Address 3530 MacArthur EPA ID#
City Oakland Zip 94619 Phone

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

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

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

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

Comments:
Staining & strong odor was noted in 1st foot of soil beneath the 1st sample. Since it consisted primarily of backfill, we went one foot deeper & collected a sample from black clayey soil, that may have been naturally occurring organic zone. The #2 sample, collected from beneath the first elbow, was stained w/ strong odor. Soil was clayey w/ some gravel, & sample collected from ~1.5' bgs (or ~0.5' beneath former piping). The piping at sample #3 location was located at ~3.5' bgs. Product was noted in native sand at ~1 foot beneath piping in this location. However, sample collected immediately beneath this product did not have an odor & was a different color. I requested that any all backfill be excavated prior to the installation of the new piping, due to the odor & staining left in field. Sample #4 collected w/ no odor. Sample #5 was collected from beneath piping near dispenser. Soil was very clayey. Although backfill had odor, clay did not.

- IB TRANSPORTER (Title 22)
32. Applic./Insurance 66428
33. Comp. Cert./CHP Insp. 66448
34. Containers 66465
35. Vehicles 66465
36. EPA ID #s 66531
37. Correct 66541
38. HW Delivery 66543
39. Records 66544
40. Name/ Covers 66545
41. Recyclables 66800

Rev 6/88

Contact: Kenneth Kan
Title: Site Supervisor - Remediation Eng.
Signature: Kenneth Kan
Inspector: Juliet Shon
Signature: Juliet Shon

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

## Hazardous Materials Division Inspection Form

Site ID# \_\_\_\_\_ Site Name \_\_\_\_\_ Today's Date \_\_\_\_/\_\_\_\_/\_\_\_\_

Site Address \_\_\_\_\_ EPA ID# \_\_\_\_\_

City \_\_\_\_\_ Zip 94 Phone \_\_\_\_\_

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

**Inspection Categories:**

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

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

**LA GENERATOR (Title 22)**

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

**Comments:**

Hand-drawn site diagram with handwritten notes and lines indicating violations. Annotations include: '25 lbs', '15 lbs', '2.5 lbs', '4.5 lbs', '15 lbs', '2.5 lbs', '10-20', 'Tank', 'Disposal (Power)', '2251', and 'More Action'. The diagram shows various storage areas and disposal points with lines connecting them to the corresponding checklist items.

**I.B TRANSPORTER (Title 22)**

- |       |                           |       |
|-------|---------------------------|-------|
| ___   | 32. Applic./Insurance     | 66428 |
| ___   | 33. Comp. Cert./CHP Insp. | 66448 |
| ___   | 34. Containers            | 66465 |
| <hr/> |                           |       |
| ___   | 35. Vehicles              | 66465 |
| ___   | 36. EPA ID #s             | 66531 |
| ___   | 37. Correct               | 66541 |
| ___   | 38. HW Delivery           | 66543 |
| ___   | 39. Records               | 66544 |
| <hr/> |                           |       |
| ___   | 40. Name/ Covers          | 66545 |
| ___   | 41. Recyclables           | 66800 |



**Chevron U.S.A. Inc.**  
2410 Camino Ramon, San Ramon, California  
Mail P.O. Box 5004, San Ramon, CA 94583-0804  
Phone (510) 842-8752

Rev 6/88

Contact: \_\_\_\_\_

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

Signature: \_\_\_\_\_

Il  
Sig

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

OK 4/22/94  
 Bllw

Joliet Shin

Check pkg info sent to Madhulle for:  
 ✓ (1) H22 Mat Certificate  
 ✓ (2) Certificate of Insurance  
 (3) Signed by S.  
 Tentatively scheduled <sup>piping splicing</sup> ~~full~~ for Monday 4/25/1994 @ 10:00  
 ✓ (4) H+S plan contact S. Wilson - 707-765-1660

UNDERGROUND TANK CLOSURE PLAN  
 \* \* \* Complete according to attached instructions \* \* \*

- Business Name James Marshall Chevron  
 Business Owner Chevron USA Products Co.
  - Site Address 3530 MacArthur Blvd.  
 city Oakland zip 94619 Phone (510) 531-9895
  - Mailing Address 3530 MacArthur Blvd.  
 city Oakland zip 94619 Phone (510) 531-9895
  - Land Owner Chevron USA Products Co.  
 Address 2410 Camino Ramon <sup>San Ramon</sup> City, State CA zip 94583
  - Generator name under which tank will be manifested \_\_\_\_\_  
Chevron USA Products Co.
- EPA I.D. No. under which tank will be manifested CAD 009466392

rev 3/92

ACCEPTED  
 DEPARTMENT OF ENVIRONMENTAL HEALTH  
 479 27th Street, Third Floor  
 Oakland, CA 94612  
 Telephone: (415) 874-7237

This plan has been reviewed and found to be acceptable. It meets the requirements of state and local laws. Changes to your plans indicated by this department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction. A copy of these accepted plans must be on the job and made available to all contractors and craftsmen involved with the removal.  
 Any change or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspection Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:  
 \_\_\_\_\_ Removal of Tank and Piping  
 \_\_\_\_\_ Sampling  
 \_\_\_\_\_ Final Inspection  
 Issuance of a permit to operate is dependent upon compliance with accepted plans and all applicable laws and regulations.  
 THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.



6. Contractor Erickson Armour Norman Assoc  
Address 255 Par Blvd. 1516 3rd Ave ~~(510) 937-8501~~ 94596  
City Richmond Walnut Creek Phone ~~(510) 235-1393~~  
License Type A-168067 ID# EPA# CAD 009466392

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

7. Consultant Robert H Lee & Assoc  
Address 1137 N. M'Dowell Blvd  
City Petaluma Phone (707) 765 1660

8. Contact Person for Investigation  
Name Rox Sorenson Title Job Captain  
Phone (916) 646 4003

9. Number of tanks being closed under this plan 1  
Length of piping being removed under this plan 570 feet  
Total number of tanks at facility 4

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

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

a) Product/Residual Sludge/Rinsate Transporter

Name Erickson EPA I.D. No. CAD 009466392  
Hauler License No. A-168067 License Exp. Date 7/94  
Address 255 Par Blvd.  
City Richmond State CA Zip 94801

b) Product/Residual Sludge/Rinsate Disposal Site

Name Erickson EPA I.D. No. CAD 009466392  
Address 255 Par Blvd  
City Richmond State CA Zip 94801

c) Tank and Piping Transporter

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

d) Tank and Piping Disposal Site

Name Same as 10a EPA I.D. No. \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

11. Experienced Sample Collector

Name Mike Tambroni  
Company Torchstone Development  
Address P.O. Box 2554  
City Santa Rosa state CA zip 95405 Phone (415) 886-8791

12. Laboratory

Name Superior Labs  
Address 1555 Burke Street Unit I  
City San Francisco State CA zip 94124  
State Certification No. 1332

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

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

14. Describe methods to be used for rendering tank inert

Pump out waste oil insert 25 lbs of Dry Ice

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

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

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
1000 gal used oil	installed ±1984 still in use	soil	Max 2'-0" Below
(570 feet of piping will be removed - connected to 3 unleaded gas USTs).			

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

**Excavated/Stockpiled Soil**

Stockpiled Soil Volume (Estimated) <b>4 CUBIC YARDS</b>	Sampling Plan One composite sample, consisting of four individual brass sampling cylinders will be analyzed for every 50 cubic yards of soil. Samples will be analyzed for TPHG and BTXE. If detectable amounts of petroleum hydrocarbons are found, samples will be tested for lead.
---	--

*(see below)*

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

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

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

*For p.pins run*

Containment Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
<del>PRODUCT TANK</del> W.O. TANK			SOIL WATER 1.0 50.0
TPH G & BTX&E	GCFID 5030, WATER GCFID 5030, 3810, SOIL:	MOD. 8015, 8020, OR 8240, SOIL 602 OR 624, WATER	0.0005 0.5
W.O. TANK			
TPH D	GCFID 5030, WATER GCFID 5030, 3810, SOIL	GCFID 3550, SOIL GCFID 3510, WATER	1.0 50.0
TOG	413.1	SM 5520 D&E, SOIL SM 5520 A&E, WATER	50.0 5,000.0
CL HC		8010, 8240, SOIL 601 OR 624, WATER	
IF ANY OF THE FOLLOWING:	IF ABOVE IS DETECTED	D, TESTS WILL BE	RUN FOR THE
METALS: Cd, Cr, Pb, Zn	7130, 7197, 7421, 7950	ICAP OR AA	
PCP, PCB, PNA&CREOSITE	8080	8270	

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

P.14

PAPER 22 '94 11:26 ARMER-NORMAN & ASSOC. 510-9371938

STATE OF CALIFORNIA  
STATE AND CONSUMER SERVICES AGENCY CONTRACTORS STATE LICENSE BOARD



*Building Quality*



# HAZARDOUS SUBSTANCES REMOVAL AND REMEDIAL ACTIONS CERTIFICATION

Pursuant to the provisions of Section 7058.7 of the Business and Professions Code, the Registrar of Contractors does hereby certify that the following qualifying person has successfully completed the hazardous substances removal and remedial actions examination.



Qualifier: WILLIAM ALLEN ARMER  
License No.: 256896  
Namestyle: ARMER/NORMAN & ASSOCIATES

WITNESS my hand and official seal this  
25TH day of MARCH, 1991  
*David R. Peltier*  
Registrar of Contractors

13L-96 (7/89)

This certification is the property of the Registrar of Contractors. It is not transferable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason.

A3792

Post-It™ brand fax transmittal memo 7571		# of pages >
To: Barney Chan	From:	
Co. Armed Health	Co. Armer/Norman & Associates 1861 Third Ave. Walnut Creek, CA. 94598	
Phone: 271-4530	Phone:	
Fax #: 569-4757	Fax #:	

**ACORD****CERTIFICATE OF INSURANCE**

DATE (MM/DD/YY)

3/24/94

PRODUCER

Pettit-Morry Co. of Calif.  
12242 Business Park Drive  
Suite 15  
Truckee, CA 96161  
916-582-3636

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

**COMPANIES AFFORDING COVERAGE**COMPANY LETTER **A**

Republic Indemnity Co of Amer

COMPANY LETTER **B**COMPANY LETTER **C**COMPANY LETTER **D**COMPANY LETTER **E**

INSURED

Armer/Norman & Associates  
1561 - 3rd Ave.  
Walnut Creek

CA

94596

**COVERAGES**

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

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
	<b>GENERAL LIABILITY</b> <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR <input type="checkbox"/> OWNER'S & CONTRACTOR'S PROT				GENERAL AGGREGATE	
					PRODUCTS-COMP/OP AGG.	
					PERSONAL & ADV. INJURY	
					EACH OCCURRENCE	
					FIRE DAMAGE (Any one fire)	
					MED. EXPENSE (Any one person)	
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input type="checkbox"/> GARAGE LIABILITY				COMBINED SINGLE LIMIT	
					BODILY INJURY (Per person)	
					BODILY INJURY (Per accident)	
					PROPERTY DAMAGE	
	<b>EXCESS LIABILITY</b> <input type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM				EACH OCCURRENCE	
					AGGREGATE	
					<input checked="" type="checkbox"/> STATUTORY LIMIT	
<b>A</b>	<b>WORKER'S COMPENSATION AND EMPLOYER'S LIABILITY</b>	PC948947	4/01/94	4/01/95	EACH ACCIDENT	1,000,000
					DISEASE-POLICY LIMIT	1,000,000
					DISEASE-EACH EMPLOYEE	1,000,000
	OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

CERTIFICATE HOLDER

Alameda County Health Care Age  
Dept. of Environmental Health  
Hazardous Material Division  
80 Swan Way, Room 200  
Oakland, CA 94621

**CANCELLATION**

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

AUTHORIZED REPRESENTATIVE

*Lina Stephens*

026923000

© ACORD CORPORATION 1990

Name of Insurer \_\_\_\_\_

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

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

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

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

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

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

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

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

Signature of Contractor

Alan P. Edwards

Name (please type) \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

4/20/94

Signature of Site Owner or Operator

Alan P Edwards

Name (please type) \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

4/22/94

FOR CHEVRON, USA

Post-It brand fax transmittal memo 7671

# of pages 1

To: <u>Barney Chan</u>	From
Co: <u>Alameda Health</u>	Co: <u>Armer/Norman &amp; Associates</u>
Ph: <u>271-4530</u>	Ph: <u>1581 Third Ave.</u>
Fax: <u>569-4757</u>	Ph: <u>Walnut Creek, CA 94596</u>
	Fax #

rev 3/92



# ROBERT H. LEE & ASSOCIATES, INC.

ARCHITECTURE

PLANNING

ENGINEERING

1337 HOWE AVENUE

SUITE 211

SACRAMENTO, CALIFORNIA 95825

(916) 646-4003

AN EBP COMPANY

FAX (916) 646-4679

BRIAN F. ZITA  
Architect

JOHN W. JOHNSON  
Architect

JAMES H. RAY  
Civil Engineer

March 1, 1994

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

RE: Waste oil tank removal and installation &  
product piping modifications  
Chevron  
3530 MacArthur Blvd.  
Oakland, CA 94619

To Whom It May Concern;

*Juliet Shin*  
*Ron Owcarz*

Enclosed are three complete sets of plans and a fee deposit of \$483 for the above referenced service station.

The scope of work includes the removal of a 1000 gallon waste oil tank and vent pipes and abandonment of any remote fill pipes and oil/water separators. A new 1000 gallon waste oil tank will be installed in a new location with a new vent riser secured to the building wall - terminating one foot below the building soffit. Also include as a part of this application is the removal of the existing gasoline dispensers and related piping. New turbine pumps, spill containment and monitoring systems will be installed along with new Multi-Product Dispensers and all related piping.

The General Contractor is Armer-Norman Associates as indicated on the installation application. They will be responsible for completing the application and the payment of any additional fees. If additional information or clarification is required for the plans or specifications, please contact me at (916) 646-4003.

Sincerely,

ROBERT H. LEE & ASSOCIATES

*Ron Sorenson*  
Ron Sorenson

encl.



**ROBERT H. LEE & ASSOCIATES**  
ARCHITECTURE • ENGINEERING • ENVIRONMENTAL SERVICES  
1337 HOWE AVENUE SUITE 211 • SACRAMENTO, CA 95825

RON SORENSON  
JOB CAPTAIN

(916) 646-4003

Fax (916) 646-4679

MARIETTA, GA    PETALUMA, CA    BELLEVUE, WA    LA HABRA, CA



\* 2/27/92

Property Owner: Union Oil Co. of California

Unocal  
2145 No. California Blvd #650  
Berkeley CA 94706  
Unocal Corporation  
2009 Crow Canyon Place  
Suite 400  
San Ramon, CA 94583  
Attn: Rick Sisk

DATE: 2/25/92  
TO : Local Oversight Program  
FROM: Juliet Shin  
SUBJ: Transfer of Eligible Oversight Case

Site name: Unocal Station # 3135  
Address: 845 66th Avenue city Oakland zip 94621  
Closure plan attached?  Y  N DepRef remaining \$ 172,900  
DepRef Project # 86 STID #(if any) 3693  
Number of Tanks: 2 <sup>waste oil tank</sup> removed?  Y  N <sup>gasoline tank</sup> Date of removal 11/29/1989  
Leak Report filed?  Y  N Date of Discovery 11/29/89  
Samples received?  Y  N Contamination: Soil + G.W  
Petroleum  Y  N Types: Avgas Jet leaded unleaded Diesel  
fuel oil waste oil kerosene solvents

Monitoring wells on site 6 Monitoring schedule?  Y  N  
Briefly describe the following:  
Preliminary Assessment Soil + G.W. investigations + Otrly G.W. Monitoring  
Remedial Action NA  
Post Remedial Action Monitoring NA  
Enforcement Action NA

Comments: In 11/29/89 the two tanks were excavated and hauled off site. Six fuel tank soil samples (sidewall) were collected and three waste oil tank soil samples were collected (2 sidewalls and 1 beneath the tank). The soil sample collected from beneath the tank identified 1.6 ppm hydrocarbons + no BTEX. Soil samples from sidewalls identified up to 32 ppm hydrocarbons and 1.2 ppm benzene. Soil samples were also collected from the dispenser areas. Up to 7.4 ppm hydrocarbons and 0.14 ppm benzene was detected from these samples. Additionally, soil samples were taken from pipetouch and one sample identified 3,800 ppm hydrocarbons.  
Water was measured in the fuel tank pit at ~10.5' below ground surface. A sample of this water indicated 7,900 ppb TPH as gasoline, 9850 ppb benzene. On April 26+27, 1990, three 2" diam. monitoring wells were installed at the site. Samples collected from MW1 + MW2 indicated levels of TPH as gasoline ranging from 22,000 to 65,000 ppb. Benzene was detected from these samples as high as 3,300 ppb. On 8/14/90, three additional wells were installed at the site. Concentrations of TPH as gasoline detected from groundwater samples from these new wells, ranged from 1,700 ppb to 62,000 ppb. Benzene was identified in these samples as high as 2,600 ppb. Otrly monitoring began in about Jan 21, 1991, and since it began, three reports have been submitted (according to files), the last one being dated Sept 11, 1991. Consultants proposed to install three additional wells in April 1991, 1 well on site and 2 wells off site. It appears that they have not yet proceeded w/ this plan.