

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



SENT  
08-03-06

August 2, 2006

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

Dear Mr. Thurman:

Subject: Fuel Leak Case RO0000138, Chevron Station 9-0517, 3900 Piedmont Ave.,  
Oakland, CA 94611

Alameda County Environmental Health staff has reviewed the case file for the subject site including the June 23, 2006 Revised Investigation Workplan by Cambria. Cambria was not able to perform the original work plan due to the presence of underground utilities located within Piedmont Ave. and Montell Street. Four borings are proposed (in assumed viable locations) for soil and depth discrete groundwater samples. The work plan is intended to determine the lateral and vertical extent of petroleum contamination and is approved.

**TECHNICAL COMMENTS**

1. Please also include a preferential pathway/sensitive receptor survey in your investigation report. We request that you perform a conduit study that details the potential migration pathways and potential conduits (utilities, storm drains, etc.) that may be present in the vicinity of the site. Provide a map showing the location and depth of all utility lines and trenches including sewers and storm drains within and near the plume area. The study shall also include a detailed well survey of all wells (monitoring and production wells: active, inactive, standby, destroyed (sealed with concrete), abandoned (improperly destroyed); and dewatering, drainage, and cathodic protection wells) within a 1/4 mile radius of the subject site

**TECHNICAL REPORT REQUEST**

- Soil and Groundwater Report- 45 days after completion of site investigation.
- Preferential Pathway/Sensitive Receptor Report- 45 days after completion of site investigation.

**ELECTRONIC SUBMITTAL OF REPORTS**

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Please do not submit reports as attachments to electronic mail. Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the

Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information at ([http://www.swrcb.ca.gov/ust/cleanup/electronic reporting](http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting)).

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

#### PERJURY STATEMENT

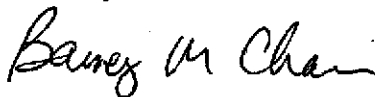
All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or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

#### PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

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

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

C: files, D. Drogos  
Mr. John Bostick, Cambria Environmental, 2000 Opportunity Drive, Suite 110,  
Roseville, CA 95678

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



SENT  
5-25-05

May 24, 2005

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

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

Dear Mr. Thurman:

Subject: Fuel Leak Case RO0000138, Chevron Station 9-0517, 3900 Piedmont Ave.,  
Oakland, CA 94611

Alameda County Environmental Health staff has been informed that Chevron plans to proceed with Cambria Environmental's *Investigation Workplan* dated September 15, 2004 since you have not received agency reply within a sixty (60) day period. Please be advised that should you proceed, you should incorporate the following technical comments.

#### TECHNICAL COMMENTS

- To best respond to the County's April 18, 2003 letter from Mr. Don Hwang, we request that additional borings be added to delineate the lateral and vertical extent of the petroleum release. We suggest an additional boring between proposed MW-5 and SB-2 and another boring approximately 20' south of former boring FMBO-5. In addition, the location of the off-site well should be that of the highest impacted grab groundwater sample.
- Please include ethanol on the list of analytes proposed for chemical analysis.

#### TECHNICAL REPORT REQUEST

- Well Completion Report- 45 days after completion of site investigation.

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

Sincerely,

Barney M. Chan  
Hazardous Materials Specialist

C: files, D. Drogos  
Ms. S. Giorgi, Cambria Environmental, 4111 Citrus Ave., Rocklin, CA 95677

5\_24\_05 3900Piedmont Ave

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



04-21-03

April 18, 2003

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

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

Dear Ms. Streich:

Subject: Fuel Leak Case No. RO0000138, Chevron Service Station #9-0517,  
3900 Piedmont Ave., Oakland, CA

Alameda County Environmental Health staff has reviewed "Well Search/Utility Survey/Risk-Based Corrective Action (RBCA) Evaluation" dated May 3, 2002 and "1<sup>st</sup> Semi-Annual Event of February 11, 2003 Groundwater Monitoring & Sampling Report" dated March 17, 2003, both by Gettler-Ryan, Inc. Contaminant concentrations in monitoring wells MW-1 and MW-2 followed historical trends of nondetectable (ND) concentrations. MW-3's concentrations were within the historical ranges. However, the May 12, 2000 sample was the only one with much higher concentrations than the historical ranges. MW-4's concentrations also were within the historical ranges. Since 2002, each event's contaminant concentrations very closely matched. We request that you address the following technical comments, and send us the technical reports requested below.

TECHNICAL COMMENTS

1. Site Characterization - The lateral and vertical extent of your dissolved contaminant plume is undefined beyond the site's property boundaries along Piedmont Ave. and Montell St. Up to 12,000 ug/l Total Petroleum Hydrocarbons-Gasoline (TPH-G), 3,100 ug/l Benzene, and 820 ug/l methyl tertiary-butyl ether (MTBE) have been detected in monitoring well MW-3. Up to 6,050 ug/l TPH-G, 324 ug/l Benzene, and 255 ug/l MTBE were detected in monitoring well MW-4. Indicate your proposal to delineate the plume in the Work Plan requested below.
2. Source Characterization - A source area has not been laterally and/or vertically delineated. Up to 3,400 mg/kg TPH-G was detected in soil collected from boring FNBO-5 and up to 400 mg/kg TPH-G was detected in FNBO-6. These were located near a former gasoline tank location. After additional source areas are identified, they may also need to be delineated. We request that you propose borings to delineate the lateral and vertical extent of soil contamination in the source area. Please include your proposal in the Work Plan requested below.
3. Groundwater Analyses - We request that you include the other fuel oxygenates Tertiary

Ms. Streich  
April 18, 2003  
Page 2 of 2

Amyl Methyl Ether (TAME), Ethyl Tertiary Butyl Ether (ETBE), Di-Isopropyl Ether (DIPE), and Tertiary Butyl Alcohol (TBA), Ethanol by EPA Method 8260 and the lead scavengers, Ethylene Dibromide (EDB), Ethylene Dichloride (EDC) for analyses of grab and monitoring well groundwater samples, and for the lead scavengers, EDB and EDC, also perform analyses on soil samples. If any of the latter compounds are detected, and are determined to be of concern (poses a risk to human health, the environment, or water resources) it is to be incorporated into your regular monitoring plan.

- 4 . Historical Hydraulic Gradients – Please show using a rose diagram with magnitude and direction, which include cumulative groundwater gradients in all future reports submitted for this site.
- 5 . Former Tank Locations – The only document we have received which shows where tanks were formerly located, is a copy of a 1955 Standard Oil map. We were only able to find a 7,500 gal. tank system and a waste oil tank. Please submit a map showing all the former tank systems located at the site.
- 6 . Risk Evaluation – We wish to reserve judgment of the RBCA until characterization and definition of your dissolved contaminant plume and source areas have been completed.
- 7 . Utility Survey - We wish to reserve judgment as to whether any of the utility trenches may act as preferential pathways without additional data.

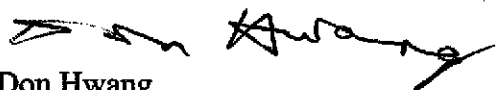
#### TECHNICAL REPORT REQUESTS

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

- June 18, 2003 - Work Plan, Map of Former Tank Systems
- September 30, 2003 – Groundwater Monitoring Report for the 2<sup>nd</sup> Semi-Annual 2003

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

Sincerely,



Don Hwang  
Hazardous Materials Specialist  
Local Oversight Program

C: Geoffrey Risse and David Herzog, Delta Environmental Consultants, Inc., 3164 Gold  
Camp Dr., Suite 200, Rancho Cordova, CA 95670-6021  
Donna Drogos  
File

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

20138

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

December 15, 1999

Brett Hunter, Project Manager  
Chevron USA, Inc.  
Site Assessment & Remediation  
6001 Bollinger Canyon Rd., Bldg. L  
P.O. Box 6004  
San Ramon, CA 94583-0904

Re: Former Chevron Service Station #9-0517, 3900 Piedmont Ave.,  
Oakland, CA; STID 6241

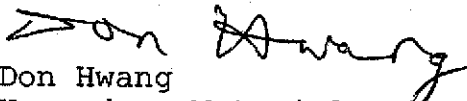
Dear Mr. Hunter:

This office has reviewed the 3rd quarter 1999 groundwater monitoring report dated October 14, 1999 by Blaine Tech Services, Inc., for the above noted facility. The August 23, 1999 sample from MW-3 contained 3970 PPB total petroleum hydrocarbons as gasoline (TPH-G), 155 PPB benzene, 24 PPB toluene, 88.8 PPB ethyl benzene, 39.8 PPB xylene (BTEX), and 185 PPB methyl tertiary-butyl ether (MTBE). The August 23, 1999 sample from MW-4 contained 3930 PPB total petroleum hydrocarbons as gasoline (TPH-G), 203 PPB benzene, 37.6 PPB toluene, 58.6 PPB ethyl benzene, 42.2 PPB xylene (BTEX), and 255 PPB MTBE. The results were within the range of previous samples from these wells.

You indicated that you did not plan to use ORC and instead would submit an alternative proposal. A Corrective Action Plan, which includes an assessment of impacts, a feasibility study, and applicable cleanup levels, is required. Submit a Corrective Action Plan, which incorporates your findings within 30 days.

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

Sincerely,

  
Don Hwang  
Hazardous Materials Specialist

C: file  
C.S.

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R0138

ENVIRONMENTAL HEALTH SERVICES

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

September 30, 1999

Brett Hunter  
Chevron USA Inc.  
Site Assessment & Remediation  
Bldg. L, Rm. 1110  
P.O. Box 6004  
San Ramon, CA 94583-0904

Re: Former Chevron Service Station #9-0517, 3900 Piedmont Ave., Oakland, CA,  
StId 6241

Dear Mr. Hunter:

The Second Quarter Groundwater Monitoring Report for 1999 was reviewed. Please continue to monitor the site quarterly.

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

Sincerely,

Don Hwang  
Hazardous Materials Specialist

L.S.  
C: file



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

September 22, 1999

Brett Hunter  
Chevron USA Inc.  
Site Assessment & Remediation  
Bldg. L, Rm. 1110  
P.O. Box 6004  
San Ramon, CA 94583-0904

Re: former Chevron Service Station #9-0517, 3900 Piedmont Ave., Oakland, CA 94611, StId 6241;  
Ken Betts Redwood Chevron Service Station #9-2142, 4150 Redwood Rd., Oakland, CA 94619, StId 1164;  
Chevron Service Station #9-3415, 4500 Park Blvd., Oakland, CA 94602, StId 145

#### LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

Dear Mr. Hunter:

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

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

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



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



P0138  
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P0512

ENVIRONMENTAL HEALTH SERVICES

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

September 22, 1999

Brett Hunter  
Chevron USA Inc.  
Site Assessment & Remediation  
Bldg. L, Rm. 1110  
P.O. Box 6004  
San Ramon, CA 94583-0904

Re: former Chevron Service Station #9-0517, 3900 Piedmont Ave., Oakland, CA 94611, StId 6241;  
Ken Betts Redwood Chevron Service Station #9-2142, 4150 Redwood Rd., Oakland, CA 94619, StId 1164;  
Chevron Service Station #9-3415, 4500 Park Blvd., Oakland, CA 94602, StId 145

LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

Dear Mr. Hunter:

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

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

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

**SAMPLE LETTER (2): LIST OF LANDOWNERS FORM**

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Name of local agency  
Street address  
City

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

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

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

Sincerely,

Signature of primary responsible party

Name of primary responsible party

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

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Name of local agency  
Street address  
City

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

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

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

Sincerely,

Signature of primary responsible party

Name of primary responsible party

cc: Names and addresses of all record fee title owners