

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

August 7, 2006

Mr. Dana Thurman  
Chevron  
6001 Bollinger Canyon Rd., K2236  
P.O. Box 6012  
San Ramon, CA 94583-2324

Dear Mr. Thurman:

Subject: Fuel Leak Case RO0000368, Chevron Station # 9-8139, 16304 Foothill Blvd.,  
San Leandro, CA 94578

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the subject site including the May 8, 2006 Revised Investigation Workplan by Cambria, which responds to the County's November 23, 2005 letter. The work plan proposes the installation of three Geoprobe borings in the areas of the former USTs and the southern dispenser island and the installation of a groundwater extraction well in the area of the former USTs. The borings will be advanced to approximately 35' bgs to investigate the vertical extent of contamination. Soil and groundwater samples from multiple depths will be collected for chemical analysis. The actual construction of the extraction well will be based upon the results from the proposed borings. The work plan also proposes to perform a surfactant extraction pilot test from the proposed extraction well and from existing well E-2 by multiple applications and extractions from these wells.

#### TECHNICAL COMMENTS

1. We concur with the proposal to determine the vertical extent of contamination in the area of the dispenser islands and former UST pit with the drilling of the three borings.
2. We are concerned with monitoring the effectiveness of the surfactant extraction pilot test by sampling the same treated wells. Nothing is proposed to determine the extent of the application or treatment. We suggest that minimally, E-3 be monitored for the presence of surfactant as well as considering installing a monitoring well immediately down-gradient of the proposed extraction well.
3. Receptor Survey- the receptor survey provided in the March 2004 Site Conceptual Model is insufficient to estimate risk. The wells identified down-gradient of the site are of unknown screen interval and use. Because MTBE is not as bio-degradable and is more mobile than typical petroleum contaminants, a greater understanding of off-site receptors is required. Please provide additional receptor information to assess risk.

#### TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health, according to the following schedule:

- September 8, 2006- Response to technical comment
- 45 days after Soil and Groundwater Investigation- SWI Report

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

#### ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) now request submission of reports in electronic form. The electronic copy is intended to replace the need for a paper copy and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. 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.

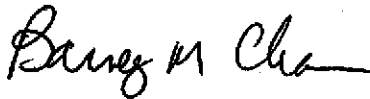
Mr. Dana Thurman  
16304 Foothill Blvd., San Leandro  
Page 3 of 3

UNDERGROUND STORAGE TANK CLEANUP FUND

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

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, 4111 Citrus Ave., Suite 12, Rocklin,  
CA 95677

8\_2\_06 16304Foothill Blvd

ALAMEDA COUNTY  
**HEALTH CARE SERVICES**

AGENCY

DAVID J. KEARS, Agency Director



**ENVIRONMENTAL HEALTH SERVICES**

ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
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(510) 567-6700  
FAX (510) 337-9335

November 23, 2005

Mr. Dana Thurman  
Chevron  
6001 Bollinger Canyon Rd., K2236  
P.O. Box 6012  
San Ramon, CA 94583-2324

Dear Mr. Thurman:

Subject: Fuel Leak Case RO0000368, Chevron Station # 9-8139, 16304 Foothill Blvd.,  
San Leandro, CA 94578

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the subject site including the October 17, 2005 *Investigation Workplan* by Cambria. The work plan proposes the installation of one monitoring well in the area of the former USTs. Although we concur with this proposal, we believe additional information is needed to progress toward case closure. We request you address the following technical comments when performing the proposed work and submit the technical report requested below.

**TECHNICAL COMMENTS**

1. The continued presence of TPHg, MTBE and other oxygenates detected in monitoring/extraction wells indicates a significant residual source exists on-site. It is unclear whether the source is predominantly within the former UST pit and dispenser areas or whether there is additional contribution from the existing USTs. We believe that additional remediation of the residual contamination in groundwater will be needed, therefore, the proposed well within the former tank pit should be enlarged to allow for groundwater extraction. We also request that prior to well installation and construction, the vertical extent of contamination be determined by taking depth discrete soil and groundwater samples. The well should be constructed to target impacted areas detected in your initial sampling. A gravelly sand lens was observed in at least one boring at a depth of 25' bgs, therefore, we recommend your boring be advanced beyond this depth, until the contamination is defined within a competent layer. Please confirm the well's construction design prior to installation. A remediation proposal should be part of your investigation report. If needed, an additional monitoring well of more conventional construction may be proposed down-gradient of the extraction well.
2. Groundwater impacts from the former dispenser areas have not been adequately investigated although elevated MTBE concentrations were detected in soil samples. Therefore, we request that an additional boring be advanced near former dispenser sample P6 for soil and groundwater sampling. Sampling should be based upon what is detected in the samples and the boring/well installation results within the former tank pit.

### TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health, according to the following schedule:

- December 23, 2005- Response and clarification of subsurface investigation.
- 60 days after completion of investigation- Well installation, Soil and groundwater and remediation proposal report.

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

### ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) now request submission of reports in electronic form. The electronic copy is intended to replace the need for a paper copy and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. 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

Mr. Dana Thurman  
16304 Foothill Blvd., San Leandro  
Page 3 of 3

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.

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

Mr. David Herzog, Cambria Environmental, 4111 Citrus Ave., Suite 12, Rocklin,  
CA 95677

11\_23\_05 16304Foothill Blvd

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



SENT  
9-13-05

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

September 13, 2005

Mr. Dana Thurman  
Chevron Environmental Management Co.  
P.O. Box 6012, K2236  
San Ramon, CA 94583

Dear Mr. Thurman:

Subject: Fuel Leak Case No. RO0000368, Chevron #9-8139, 16304 Foothill  
Blvd., San Leandro, CA 94518

Alameda County Environmental Health (ACEH) staff has recently reviewed the case file and the *Sampling Schedule Modification Request, dated March 29, 2005*, prepared by Cambria Environmental. We request that you address the following technical comments.

TECHNICAL COMMENTS

1. We approve of the proposed monitoring and sampling schedule changes with the following conditions. Please also test for TAME when ~~this~~ monitoring MW-12 is done. It appears that when MTBE is detected in EW-3, TAME is detected as well, therefore, should MTBE be detected in EW-3, TAME analysis must be reinstated.
2. Releases of MTBE have occurred in the past and appear to have migrated off-site. Monitoring of these releases appear as elevated results, which then decrease in specific wells. This should not be misinterpreted as a stable or decreasing plume, rather a pulse of high strength contamination migrating beyond a monitoring point.
3. The northern extent of the plume has not been determined. MW-3 was decommissioned to allow the installation of the new tanks. At that time, elevated petroleum contamination was being detected in this well. After shutting down the remediation system, no confirmation sampling was done in this area. We recommend additional groundwater sampling be done via either a temporary or permanent groundwater sampling point. Please provide your response as requested below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health, according to the following schedule:

- October 13, 2005- Response to request for groundwater delineation.

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline

Mr. Dana Thurman

September 13, 2005

Page 2 of 3

the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

#### ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) now request submission of reports in electronic form. The electronic copy is intended to replace the need for a paper copy and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). Please visit the State Water Resources Control Board for more information on these requirements ([http://www.swrcb.ca.gov/ust/cleanup/electronic reporting](http://www.swrcb.ca.gov/ust/cleanup/electronic%20reporting)).

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#### PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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



Mr. Dana Thurman  
September 13, 2005  
Page 3 of 3

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

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

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: files, D. Drogos  
Ms. Sara Giorgi, Cambria Environmental, 4111 Citrus Ave., Rocklin, CA 95677  
9\_13\_05 16304Foothill Blvd

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



06-52-03  
ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

RO0000368

June 2, 2003

Ms. Karen Streich  
ChevronTexaco  
P.O. Box 6004  
San Ramon, CA 94583

RE: Chevron Station 9-8139 at 16304 Foothill Blvd, San Leandro, CA

Dear Ms. Streich:

I have completed review of the case file for the above referenced site. Currently, 18,000 ppb and 4,500 ppb MTBE is detected in offsite wells MW-8 and MW-14, respectively. Before I make a determination that additional groundwater monitoring wells are required to delineate the horizontal and vertical extent the MTBE plume, please provide a site conceptual model for the site. At a minimum, include geologic cross-sections (with concentration contours), isoconcentration maps, expanded site plan across Foothill Blvd., and potential sensitive receptors (water supply wells, surface waters, etc) within 2000 feet of the site.

The site conceptual model is due within 45 days of the date of this letter, or by July 21, 2003. If you have any questions, I can be reached at (510) 567-6762 or by email at [echu@co.alameda.ca.us](mailto:echu@co.alameda.ca.us).

eva chu  
Hazardous Materials Specialist

c: Donna Drogos

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



10-23-02

October 22, 2002

RO 368

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

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

RE: Chevron Station # 9-8139, 16304 Foothill Boulevard, San Leandro - Request for Total Fuel  
Oxygenate Analyses

Dear Ms. Streich:

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

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

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

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

Sincerely,

Scott O. Seery, CHMM  
Hazardous Materials Specialist

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

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



01-24-01

20368

January 23, 2001

STID 1801

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

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

RE: Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro

Dear Mr. Bauhs:

I have reviewed the preliminary sampling data for the October 2000 sampling and monitoring event that was conducted at the subject site. This work included the collection of samples from the new off-site wells (MW-12, -13, and -14) constructed during August 2000, as well as the remaining active wells associated with this investigation.

These recent sampling data continue to demonstrate wide fluctuations of methyl tert-butyl ether (MtBE) concentrations detected in ground water samples collected from several of the wells. The source of this MtBE has not been identified. The former tank system was replaced with a modern, secondarily-contained system in August 1999 in a new location.

Some examples of the unexplained MtBE concentration variations follow:

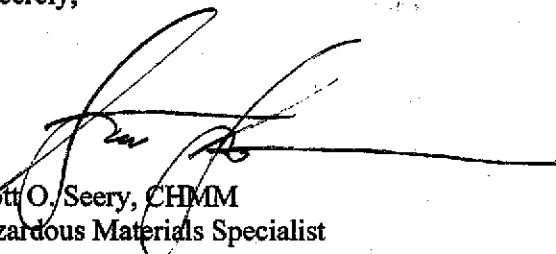
- MtBE concentrations noted in off-site well MW-8 were reported to be 39,000 micrograms per liter (ug/l) in October 1999, while in April 2000 they dropped to 2500 ug/l. Concentrations then rose to 19,500 ug/l liter in October 2000. Oxygen Releasing Compounds (ORC) are reported to have been in place in this well since July 1999.
- MtBE concentrations noted in off-site well MW-9 were reported to be <2.5 ug/l between October 1996 and April 1998, rising to 1900 ug/l in October 1998 and 4400 ug/l in April 1999. In October 1999, concentrations were reported to be only 530 ug/l. Concentrations then rose dramatically to 27,000 ug/l in April 2000. In October 2000, concentrations then dropped two orders-of-magnitude to only 322 ug/l. ORC are reported to have been in place in this well since July 1999.
- MtBE concentrations noted in on-site well EW-2 were reported to be 3800 ug/l in April 1999. In October 1999, concentrations climbed to 13,300 ug/l, then dropped to 6800 ug/l in April 2000. In October 2000, concentrations again rose to 15,700 ug/l.

Mr. Thomas Bauhs  
Re: 16304 Foothill Blvd., San Leandro  
January 23, 2001  
Page 2 of 2

At this time, Chevron is directed to reinstate quarterly sampling, monitoring, and reporting at this site. This revised schedule is to be implemented during the 1st quarter 2001 and continued until notified otherwise.

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

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

c: Chuck Headlee, RWQCB  
Robert Weston, ACDEH  
Harv Dhaliwal, G&S Associates, Inc., 4430 Deerfield Way, Danville, CA 94506  
Stephen Carter, Gettler-Ryan, Inc., 6747 Sierra Ct., Ste. G, Dublin, CA 94568  
Jim Brownell, Delta Environmental Consultants, Inc., 3164 Gold Camp Drive, Ste. 200  
Rancho Cordova, CA 95670-6021

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



SENT 4-27-2000  
med cc's

R0368

April 25, 2000

STID 1801

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

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

RE: Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro

Dear Mr. Bauhs:

I am in receipt of the March 17, 1999 Gettler-Ryan Inc. (GRI) workplan for the proposed installation of additional monitoring wells on the west side of Foothill Boulevard. This workplan was submitted under GRI cover of the same date. The proposed wells are intended to track the extent of the MtBE plume from the subject site. This workplan supersedes a previous GRI workplan dated January 6, 2000 which proposed the installation of a new monitoring well near (now destroyed) well MW-3 intended to assess the extent of impacts on the southern margin of the site.

The March 17, 2000 GRI workplan is accepted for this phase of work at this site with the following changes:

- Three (3) wells, rather than the two proposed, shall be installed. These wells shall be completed on 60' centers, beginning at well MW-11, along the same alignment as originally proposed. This well density will provide 180' of coverage from four points.
- Well sampling shall not occur sooner than 24, but preferably 72, hours following well development.

This work is to be completed within 60 days of the date of this letter.

For your information, Senate Bill (SB) 989 was signed into law by Governor Davis on October 8, 1999. SB 989 directs the State Water Resources Control Board (SWRCB) to identify areas most vulnerable to releases of MtBE, prioritize resources, and develop investigation and cleanup guidelines. The SWRCB MtBE cleanup guidelines have now been drafted, and prescribe the step-wise process in development of a *Site Conceptual Model* (SCM). A SCM, now required for all MtBE release sites, is the progressive assemblage of information regarding the distribution of chemicals at a site, its hydrologic setting, geology, surrounding land use, well locations, and existing and projected water use patterns. The SCM functions as the framework for the investigation, remediation, and ultimately the closure of the site. Each phase of an investigation should seek to fill any data gaps that may remain from previous phases. Once the source area and receptor pathways have been adequately characterized, an appropriate remedial alternative can be selected and implemented.

Attached to this letter you will find a copy of Appendix C, derived from the referenced SWRCB MtBE guidance. Appendix C provides a format for your consultant to follow when putting together the SCM for this site. You are requested to ensure that your consultant adheres to this format when submitting the report documenting this phase, and subsequent phases, of work at your site.

Mr. Thomas Bauhs  
Re: 16304 Foothill Blvd., San Leandro  
April 25, 2000  
Page 2 of 2

In addition, Chevron was advised in correspondence from this office dated October 15, 1998, and again June 28, 1999, that a *Risk Based Corrective Action* (RBCA) evaluation need be completed for this project. Approval to remove the remediation system from the site, which facilitated the redevelopment of the property into the retail fuel facility that operates there today, was conditioned on the completion of this evaluation. To date, this request has not been fulfilled. Chevron must now complete this task. I request that we arrange to meet in the next month to discuss how this task should best be completed.

Please call me at (510) 567-6783 should you have any questions, and to inform me when field work has been scheduled.

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

Attachment - Appendix C

c: Chuck Headlee, RWQCB  
Robert Weston, ACDEH  
Harv Dhaliwal, G&S Associates, Inc., 4430 Deerfield Way, Danville, CA 94506  
Barbara Sieminski, Gettler-Ryan, Inc., 6747 Sierra Ct., Ste. G, Dublin, CA 94568 (w/attmnt.)

## Appendix C

### Site Conceptual Model Reports

The Site Conceptual Model (SCM) is a written or graphical representation of the release scenario, site characteristics (geology, hydrogeology, etc.) and the likely distribution of chemicals at the site. It links potential sources to potential receptors through transport of chemicals in air, soil, and water. It also provides a framework for the entire project and a communication tool for regulators, responsible parties, and other stakeholders. The goals of the conceptual model are listed below:

- Identify how the distribution of chemicals is changing in space and time
- Identify potential current and future receptors
- Identify environmental issues that need to be addressed

#### *Reporting*

Reports submitted to regulatory agencies are by necessity specific to the type of information they are presenting. They may contain a summary of activities, backup data to support conclusions, etc. A report that attempts to convey a representation of a SCM needs to meet the goals listed above. To meet these goals, investigation reports usually, at a minimum, contain the following elements:

#### Text

1. Site Description, Land Use, and Water Use
2. Chronology of Events
3. Site Stratigraphy and Hydrogeology
4. Well and Conduit Study
5. Estimation of Release Mass (if available)
6. Source Removal Activities
7. Remediation Activities

#### Figures

1. Site Location Map
2. Site Vicinity Map with Receptor Wells
3. Site Map with Groundwater Gradients, Cross Section Lines, and any known preferential pathways
4. Site Map with Isoconcentration Contours
5. Cross Section - long axis of plume
6. Cross Section - short axis of plume
7. Cross Section of Regional Geology (optional)
8. Concentration vs. Time Plots for Each Well
9. Concentration vs. Distance (optional)

#### Tables

1. Groundwater Elevation Data
2. Groundwater Analytical Data
3. Soil Analytical Data



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



Sent 1/25/00  
Including cc's

20368

January 25, 2000

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

STID 1801

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

RE: Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro

Dear Mr. Hunter:

I am in receipt of the December 27, 1999 Blaine Tech Services, Inc. quarterly report submitted under Chevron cover of the same date. This report documents sampling and monitoring activities that occurred on October 26, 1999.

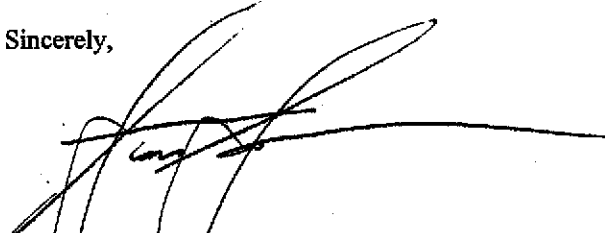
The sampling data presented in the cited report indicate a "recent" release of gasoline has occurred at this site, as is particularly evidenced by a marked increase in dissolved concentrations of methyl tert-butyl ether (MtBE) in groundwater sampled from wells EW-2 and MW-8 during that October event. Up to 39,000 ug/l of MtBE was identified in water sampled from well MW-8, located approximately 80' off-site and downgradient of the facility. Further investigation of the extent of this release is required.

Please have your consultant submit, within 45 days, a soil and water investigation (SWI) work plan for the installation of 2 - 3 additional downgradient monitoring wells. I suggest that these wells be proposed for installation within the dirt sidewalk that borders the west-side of Foothill Boulevard.

In addition, I have been in contact with Barbara Sieminski of Gettler-Ryan Inc. regarding the pending well installation in the southern portion of the site. We discussed the use of a limited-access rig to facilitate the installation of this well within the planter located between the new mini-mart building and trash enclosure. Placement of this well in the planter, nearer to the property boundary and some 25' from where it has been proposed, would be both closer to where it was originally envisioned and would better address the fundamental questions it was intended to answer.

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

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

c: Chuck Headlee, RWQCB  
Robert Weston, ACDEH  
Harv Dhaliwal, G&S Associates, Inc., 4430 Deerfield Way, Danville, CA 94506  
Barbara Sieminski, Gettler-Ryan, Inc., 6747 Sierra Ct., Ste. G, Dublin, CA 94568

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

PO 368

June 28, 1999

ENVIRONMENTAL HEALTH SERVICES .

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

STID 1801

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

RE: Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro

Dear Mr. Briggs:

I am in receipt of your June 22, 1999 cover to the June 4, 1999 Blaine Tech Services 2<sup>nd</sup> quarter 1999 sampling and monitoring report for the subject former Chevron site. I understand from your letter that Chevron intends to install oxygen-releasing compounds (ORC) in wells EW-3, MW-8, and MW-9 in an attempt to stimulate aerobic bioattenuation in the areas surrounding these particular wells, located some distance from the former underground storage tank (UST) cluster.

Your attention is directed to the October 15, 1998 correspondence from this office (attached) in which Chevron was advised of the requirement to install an additional sample point, i.e., monitoring well, along the southern property boundary approximately 40-60 feet northeast of well EW-3. Data derived from this sample point in concert with historic sampling data derived from locations elsewhere at the site are to be used to complete a *Risk Based Corrective Action* (RBCA) evaluation. Approval to remove the remediation system from the site was conditioned on completion of these tasks.

Installation of this additional sampling point and completion of the RBCA evaluation are ever more important as the site is presently slated for redevelopment into a mini-market/gas station facility. I understand that this office has already approved the UST installation plans. I do not know the current status of review of the other county agencies involved in this process. Failure to complete the environmental work in a timely fashion will likely impact redevelopment of the site.

Please contact me at (510) 567-6783 so we can schedule a meeting to discuss these remaining tasks.

Sincerely,

Scott O. Seery, CHMM  
Hazardous Materials Specialist

Mr. Phil Briggs

RE: Chevron Station #9-8139, 16304 Foothill Blvd., San Leandro

June 28, 1999

Page 2 of 2

Attachment

c: Chuck Headlee, RWQCB (w/o)  
Robert Weston, ACDEH (w/o)  
Ronald Gee, Alameda County Planning Department (w/attachment)  
Harv Dhaliwal, G&S Associates, Inc. (w/attachment)  
4430 Deerfield Way, Danville, CA 94506

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R0368

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

May 4, 1999

STID 1801

Mr. Phil Briggs  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583-0804

RE: (Former) Chevron Service Station #9-8139, 16304 Foothill Blvd., San Leandro

**LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS**

Dear Mr. Briggs:

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

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

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

LANDOWNER NOTIFICATION  
Re: 16304 Foothill Blvd., San Leandro  
May 4, 1999  
Page 2 of 2

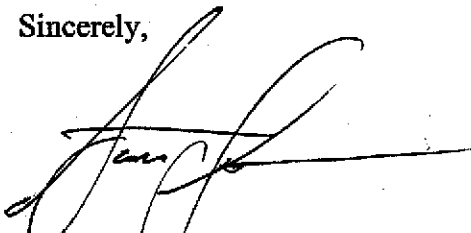
In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

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

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

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

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

Attachments

cc: Chuck Headlee, RWQCB

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

RO# 368

March 10, 1999

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

STID 1801

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

RE: Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro

Dear Mr. Briggs:

The January 19, 1999 Touchstone Developments underground storage tank (UST) closure report has been reviewed. Missing from this report are copies of the completed and signed manifests that were to accompany the USTs and associated piping to their ultimate disposal destination. Also missing are documents confirming the reported disposal of both groundwater and soil removed from the site during and subsequent to the UST closure activities.

Please submit these missing documents, and call me at (510) 567-6783 should you have any questions.

Sincerely,

Scott O. Seery, CHMM  
Hazardous Materials Specialist

c: Robert Weston, ACDEH  
Chuck Headlee, RWQCB  
Jeff Monroe, Touchstone Developments, P.O. Box 2554, Santa Rosa, CA 95405

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

20368

October 15, 1998

STID 1801

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

ENVIRONMENTAL HEALTH SERVICES

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

RE: Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro

Dear Mr. Briggs:

I have considered your September 11, 1998 request for approval to remove the remediation system, including extraction wells and the underground lines which serve the system, from the subject site. This request will be granted with the following conditions:

1. Extraction wells EW-2 (MW-5) and EW-3 (MW-4) shall be retained for future use as sampling/monitoring wells. These two wells may be reconfigured if necessary to facilitate their continued use for these purposes. Well EW-1 may be permanently removed.
2. The remediation system may be removed, including all ancillary piping that served the system.
3. A *Risk-Based Corrective Action (RBCA)* evaluation shall be performed to determine potential exposure risks to current and future receptor populations located both on- and off-site. This evaluation will require the installation of at least one additional sample point along the southern site boundary, 40-60 feet northeast of well EW-3.

Please contact me at (510) 567-6783 should you have any questions about the content of this letter. I will otherwise contact you to arrange a meeting where we can discuss and scope the RBCA evaluation and associated tasks.

Sincerely,

  
Scott O. Seery, CHMM  
Hazardous Materials Specialist

c: Mee Ling Tung, Director, Environmental Health  
Chuck Headlee, RWQCB

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RO# 368

October 15, 1998

STID 1801

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

ENVIRONMENTAL HEALTH SERVICES

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

RE: Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro

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Sincerely,

  
Scott O. Seery, CHMM  
Hazardous Materials Specialist

c: Mee Ling Tung, Director, Environmental Health  
Chuck Headlee, RWQCB



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0# 368

October 15, 1998

STID 1801

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

ENVIRONMENTAL HEALTH SERVICES

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

RE: Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro

Dear Mr. Briggs:

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Please contact me at (510) 567-6783 should you have any questions about the content of this letter. I will otherwise contact you to arrange a meeting where we can discuss and scope the RBCA evaluation and associated tasks.

Sincerely,

  
Scott O. Seery, CHMM  
Hazardous Materials Specialist

c: Mee Ling Tung, Director, Environmental Health  
Chuck Headlee, RWQCB

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0# 368

October 15, 1998

STID 1801

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

ENVIRONMENTAL HEALTH SERVICES

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

RE: Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro

Dear Mr. Briggs:

I have considered your September 11, 1998 request for approval to remove the remediation system, including extraction wells and the underground lines which serve the system, from the subject site. This request will be granted with the following conditions:

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Sincerely,

  
Scott O. Seery, CHMM  
Hazardous Materials Specialist

c: Mee Ling Tung, Director, Environmental Health  
Chuck Headlee, RWQCB

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

R0368

RAFAT A. SHAHID, Assistant Agency Director

STID 1801

December 8, 1994

Mr. Kenneth Kan  
Chevron U.S.A. Products Company  
2410 Camino Ramon  
P.O. Box 5004  
San Ramon, CA 94583-0804

ALAMEDA COUNTY CC4580  
DEPT. OF ENVIRONMENTAL HEALTH  
ENVIRONMENTAL PROTECTION DIVISION  
1131 HARBOR BAY PKWY., #250  
ALAMEDA CA 94502-6577

RE: CHEVRON STATION #9-8139, 16304 FOOTHILL ROAD, SAN LEANDRO

Dear Mr. Kan:

I have been tracking the status of this case since issuance of the June 2, 1994 correspondence allowing the cessation of remediation system operation. A condition of this system shut down was that all wells in the network, including extraction wells, were to be sampled on a quarterly basis to closely gauge whether or not hydrocarbon concentrations were increasing down gradient of the tank cluster during the period when active pumping had stopped. Two of the three extraction wells, EW-2 (MW-5) and EW-3 (MW-4), are the most down gradient on-site wells.

Review of the November 21, 1994 Sierra Environmental Services monitoring report, submitted under Chevron cover dated December 5, 1994 and documenting site activities occurring October 25, 1994, indicates that, although two of the three extraction wells (EW-2 and -3) were monitored for depth to water, none of the three were sampled. Additionally, ground water encountered in well MW-9, located approximately 75 feet off-site and down gradient of EW-2, exhibited an immediate and marked increase in hydrocarbon concentrations since system shut down.

Please be aware that, although influent concentrations may have been at levels below laboratory detection limits for some while prior to shut down, system operation appears necessary to provide continued plume control. Please contact me at 510/567-6783 to discuss this issue.

Sincerely,

  
Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Agency Director  
Gil Jensen, Alameda County District Attorney's Office  
Ed Laudani, Alameda County Fire Department  
Amir Gholami, ACDEH

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R0368

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

STID 1801

June 2, 1994

Mr. Kenneth Kan  
Chevron U.S.A. Products Company  
2410 Camino Ramon  
P.O. Box 5004  
San Ramon, CA 94583-0804

RE: CHEVRON STATION #9-8139, 16304 FOOTHILL ROAD, SAN LEANDRO

Dear Mr. Kan:

I have reviewed the May 10, 1994 Weiss Associates monthly ground water treatment system compliance report and May 25, 1994 Sierra Environmental Services quarterly monitoring report, as submitted under Chevron cover dated May 26, 1994. Your cover letter requests cessation of remediation system operation because of negligible levels of hydrocarbons in influent water for the last several quarters. In fact, the last time influent hydrocarbon concentrations were found to be at detectable levels was during the July 1993 sampling event.

At this time Chevron may temporarily cease operation of the remediation system. Please continue to sample and monitor each well in the network, including the three extraction wells, on a quarterly schedule. Should hydrocarbon concentrations down-gradient of the tank cluster appear to appreciably rise, system restart will be considered. Please maintain the remediation system in working order during the interim.

Please call me at 510/271-4530 should you have any questions.

Sincerely,

  
Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director  
Gil Jensen, Alameda County District Attorney's Office  
Ed Laudani, Alameda County Fire Department  
Michael Cooke, Weiss Associates

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R0368

RAFAT A. SHAHID, Assistant Agency Director

January 14, 1994

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

Ms. Kathy Norris  
Chevron USA Products Company  
P.O. Box 5004  
San Ramon, CA 94583

**Subject: Foothill Chevron, #8139, 16304 Foothill Boulevard,  
San Leandro, CA 94578**

Dear Ms. Norris:

Enclosed is the five-year permit to operate four underground storage tanks at the subject facility. The permit is valid until August 17, 1998. For the permit to remain valid, you are required to comply with conditions as described in the California Code of Regulations, Title 23, Subchapter 16, Section 2712. Listed below are the monitoring methods currently in use at the facility:

Tanks: Single wall  
a. Annual tank integrity tests  
b. Monthly inventory reconciliation using SIR for fuel tanks  
c. Weekly gauging for waste oil tank

Piping: Suction  
a. Tri-annual pipeline tightness test  
b. Daily monitoring for the presence of air in the pipelines

If there are any changes made in the monitoring methods, equipment types, and/or procedures used to monitor the tanks and piping at this facility, you must:

- a. Ensure the new procedures will meet the requirements of CCR, Title 23, Article 4.
- b. Send written notification of the changes to this office.

Contact me if you have any questions regarding the content of this letter at (510) 271-4320.

Sincerely,

  
Robert Weston  
Hazardous Materials Specialist

enclosures

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R0368

RAFAT A. SHAHID, Assistant Agency Director

November 8, 1993

Marge Farrar  
Chevron USA Products  
P.O. Box 5004  
San Ramon, CA 94583

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

Re: **FIVE-YEAR PERMITS FOR OPERATION OF FOUR  
UNDERGROUND STORAGE TANKS (USTs) AT  
16304 Foothill Blvd., San Leandro  
Station #8139**

According to our records the subject facility has not received a five-year permit to operate USTs. Please complete the following items marked below and return them to me within 30 days. The example plans enclosed should be used only as guidelines and may not meet your specific requirements under Title 23.

- 1. Completed UST PERMIT FORM A - one per facility. (enclosed)
- 2. Completed UST PERMIT FORM B - one per tank. (enclosed)
- 3. Completed UST PERMIT FORM C - one per tank. (enclosed)
- X- 4. Written tank monitoring plan. (sample enclosed)
- 5. Results of precision tank test(s) (initial/annual).
- 6. Results of precision pipeline leak detector tests (initial/annual).
- X- 7. An accurate and complete plot plan. (sample enclosed)
- X- 8. Written spill response plan. (sample enclosed)

**Title 23 of the California Code of Regulations prohibits the operation of ANY UST without a permit.** Please feel free to contact me at 510/271-4320 if you have any questions which may arise during the process of completing the five-year permit.

Sincerely,

Robert Weston  
Hazardous Materials Specialist

cc: Harry Kenney, Operator

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0368

RAFAT A. SHAHID, Assistant Agency Director

February 10, 1992

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

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

RE: CHEVRON SERVICE STATION #9-8139, 16304 FOOTHILL ROAD, SAN  
LEANDRO

Dear Mr. Kan:

Thank you for your timely response to the Department's request for a proposal outlining plans for the installation of additional off-site wells associated with the ground water investigation at the referenced site. The January 20, 1992 Burlington Environmental Inc. work plan, as submitted under Chevron cover dated January 24, 1992, has been accepted.

Please notify this office when field activities associated with this phase of the investigation are slated to begin. I may be reached at 510/271-4320.

Sincerely,

  
Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health  
Edgar Howell, Chief, Hazardous Materials Division  
Gil Jensen, Alameda County District Attorney's Office  
Lester Feldman, RWQCB  
Howard Hatayama, DHS  
Jim Ferdinand, Eden Consolidated Fire District  
Kyle S. Flory, Burlington Environmental, Inc.

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0368

December 26, 1991

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

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

RE: CAL-EPA REGIONAL HYDROGEOLOGY AND CONTAMINATION STUDY, CENTRAL  
SAN LEANDRO

Dear Ms. Vukelich:

The California Environmental Protection Agency (Cal-EPA), Department of Toxic Substance Control (DTSC), has been investigating the presence of several priority pollutants, primarily volatile organic compounds (VOC), heavy metals, and nitrates, in soil and ground water occurring in the central San Leandro area since approximately 1986. Currently, six sites are being investigated with Cal-EPA lead or oversight, as follows:

- o 139th Avenue site (Cal-EPA lead)
- o Factor Avenue site (Cal-EPA lead)
- o Singer-Friden site (Cal-EPA lead)
- o Caterpillar site (Cal-EPA oversight)
- o Hudson ICS (Cal-EPA oversight)
- o Staefa Control System Inc./2481 Washington Avenue (Cal-EPA oversight)

Because of similar contamination found at these sites, DTSC suspects that a larger, regional contamination problem exists that requires further investigation. Presently, DTSC is conducting a Regional Hydrology and Contamination Study in Central San Leandro. The purposes of this study include, among other elements:

- o defining as far as possible the known vertical and horizontal extent of contamination in the area;
- o identifying existing public and/or private wells that can be used by DTSC for monitoring purposes;
- o instituting coordinated sampling; and,
- o defining the hydrogeology of the area.



Ms Vukelich  
 RE: Cal-EPA VOC Study  
 December 26, 1991  
 Page 2 of 3

The intent of the DTSC study is to develop the best possible data on the extent of contamination while realizing no unnecessary expenditure of public funds. Following the presentation of the study's final report, DTSC will develop a work plan for conducting further study, targeting potential source areas and "hot spots" identified during the course of this phase of the investigation.

The DTSC has requested Alameda County's assistance in developing this study and report by coordinating ground water sampling efforts for those sites under county lead. To meet this goal, you are requested, on a volunteer basis, to supplement the sampling slated to occur at your site(s), listed below, during January - March 1992, in addition to those sampling/monitoring activities already required, as follows:

- 1) Collect and analyze ground water samples from at least one well for VOCs (EPA Method 624, or 601/602). The well sampled for this task is to be chosen based upon its potential for detection of VOCs relative to other wells on-site, i.e., its proximity downgradient of a former waste oil or solvent underground storage tank, VOCs identified in prior analyses, etc.
- 2) Present this data, along with other requisite sampling/monitoring data, in the 1992 first quarter report. Submit a copy of this report directly to the DTSC, at the following address:

California Environmental Protection Agency  
 Department of Toxic Substance Control  
 700 Heinz Avenue, Suite 200  
 Berkeley, CA 94710  
 Attn: Eileen Hughes

The sites affected by this request are as follow:

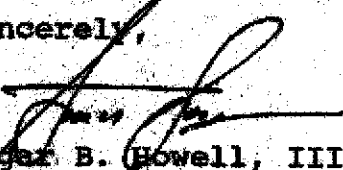
(R0368) ○

(R0950) ○

Ms. Vukelich  
RE: Cal-EPA VOC study  
December 26, 1991  
Page 3 of 3

Thank you in advance for your cooperation in this matter. Please feel free to contact Mr. Scott Seery of this Division at 510/271-4320, or Ms. Eileen Hughes of DTSC at 510/540-3848, should you have any questions.

Sincerely,



Edgar B. Howell, III  
Chief, Hazardous Materials Division

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health  
Gil Jensen, Alameda County District Attorney's Office  
Lester Feldman, RWQCB  
Eileen Hughes, DTSC  
Mike Bakaldin, San Leandro Fire Department  
Jim Ferdinand, Eden Consolidated Fire District

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0368

December 13, 1991

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

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

RE: CHEVRON SERVICE STATION #9-8139, 16304 FOOTHILL ROAD, SAN  
LEANDRO, ALAMEDA COUNTY

Dear Mr. Posluszny:

This office is in receipt and has completed review of the July, September 23, and October 1991 Burlington Environmental Inc. (BEI) reports, as submitted under Chevron cover dated August 19, October 8, and October 28, 1991, respectively, which document BEI activities at the referenced Chevron facility. The cited July and October 1991 reports document well sampling/monitoring activities and results for the 2nd and 3rd quarters of 1991, respectively. The cited September 23, 1991 report documents: the installation of an additional off-site ground water monitoring well (MW-9); the analyses of soil and water samples collected from MW-9; the conversion of former monitoring wells MW-4 and -5 into extraction wells E-3 and -2, respectively; and, the analyses of ground water samples from E-2 and -3.

Review of these reports indicate that there are now three (3) extraction wells located at the southern corner of the site, approximately 40-60 feet southeast of the underground storage tank (UST) complex. The BEI reports further indicate that the on-site monitoring wells MW-1, -2, -6, and -7, north and east of the UST complex, have not been significantly impacted by fuel hydrocarbons. Well MW-8, located in the median strip of Foothill Boulevard, approximately 120 feet southeast of the UST complex, also appears not to have been significantly impacted, aside from the May 22, 1991 sampling event which identified the presence of benzene and xylene isomers at concentrations of 0.6 and 1.0 ppb, respectively.

However, wells MW-3, located along the southern edge of the UST complex, and the newly-installed MW-9, located in the Foothill Boulevard median strip, approximately 20 feet southeast of MW-8, are significantly impacted by fuel hydrocarbons. Well MW-9, for example, located approximately 120 feet from the UST complex and 80 feet off-site, exhibited concentrations of benzene and total petroleum hydrocarbons as gasoline (TPH-G) at 46 and 9600 ppb, respectively, during the August 1991 sampling event. Isoconcentration contour lines for these two target compounds (Figures 4 and 5, October 1991 BEI report) strongly suggest that the contaminant plume extends off-site to the south and east. Its limit has not been determined.

Mr. Walter Posluszny, Jr.  
RE: Chevron Station #9-8139, 16304 Foothill Blvd.  
December 13, 1991  
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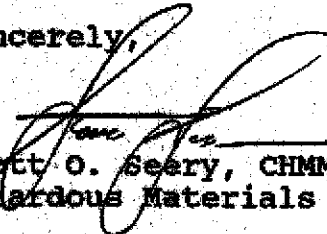
Following review of the cited BEI reports, this Department and RWQCB have concurred that additional work must be performed to define the vertical and lateral extent of both soil and ground water contamination associated with this site. A contaminant "zero line" must be determined. In pursuit of this goal, the following task must be performed:

- o Submit a work plan for the installation of additional off-site monitoring wells. Such wells are to be in sufficient number and appropriately located to define the extent of both soil and ground water contamination.

The noted work plan must adhere to the technical requirements outlined in the RWQCB Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks and the SWRCB LUFT manual. This work plan is due within 45 days of the date of this letter, or by January 27, 1992. All reports and proposals must be submitted under seal of an appropriate California-registered professional.

Please be advised that this is a formal request for technical reports pursuant to California Water Code Section 13267 (b). Failure to respond or a late response could result in the referral of this case to the RWQCB for enforcement, possibly subjecting the responsible party to civil penalties to a maximum of \$1,000 per day. Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or the RWQCB.

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

Sincerely,  
  
Scott O. Seary, CHMM  
Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health  
Gil Jensen, Alameda County District Attorney's Office  
Lester Feldman, RWQCB  
Howard Hatayama, TSCD  
Jim Ferdinand, Eden Consolidated Fire District  
Kyle Flory, Burlington Environmental, Inc.  
files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R0368

September 19, 1990

Merle L. Seigal  
Seigal's Foothill Chevron  
16304 Foothill Blvd.  
San Leandro, CA 94578

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

**Re: Waste Minimization Assessment**

Dear Merle L. Seigal:

Your business has been selected to receive a hazardous waste minimization assessment. As you are probably aware, hazardous waste reduction has become a statewide, if not a national, issue. To address this issue at a county level, Alameda County is establishing its own Hazardous Waste Minimization Program and is planning to conduct waste minimization assessments for all hazardous waste generating facilities in the County.

We have chosen businesses in the auto repair industry to receive the first round of waste minimization assessments. It is our hope that these assessments will assist participating businesses in minimizing their hazardous wastes - and will give us further information on the best way to structure our minimization program.

One of our Hazardous Materials Specialists will be contacting you during the week of September 24 to arrange a meeting with you for an assessment of your business. During this meeting and assessment, the Specialist will work with you in examining your business's hazardous waste generating practices. The Specialist will then provide you with materials on waste reduction technology and assist you in setting up appropriate hazardous waste minimization practices.

We look forward to working with you in reducing the amount of hazardous waste your business generates. Of course, your comments and suggestions are encouraged; we need your input in order to best serve you! Please direct any comments and questions to Katherine Chesick at 415/271-4320.

Sincerely,

Edgar B. Howell, Chief,  
Alameda County Hazardous Materials Division

EBH:kac

cc: Fire Department  
Files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0368

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

November 22, 1989

Mr. Michael R. Brown  
Chevron U.S.A., Inc.  
P.O. Box 5004  
San Ramon, CA 94583-0804

RE: Chevron Station, 16304 Foothill Blvd., San Leandro, CA

Dear Mr. Brown:

I have reviewed your proposed work plan for preliminary soil and groundwater characterization at the above site dated November 9, 1989, that was prepared by Chempro. It has been accepted.

If you have any questions, please contact me at 271-4320.

Sincerely,

  
Larry Seto, Senior  
Hazardous Materials Specialist

LS:ph:mnc

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health  
San Leandro Fire Dept.  
RWQCB  
Doug Krause, DOHS  
Files