

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

F

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

June 28, 2007

Thomas Bauhs
Chevron Environmental Management Company
6001 Bollinger Canyon Road
P.O. Box 6012, Room K2204
San Ramon, CA 94583-2324

Milton and Violet Price Trust
C/o Jeanne R. Price
225 Bush Street
San Francisco, CA 94104-4215

Subject: Fuel Leak Case No. RO0000477 and Geotracker Global ID T0600100341, Chevron #9-1924, 4904 Southfront Road, Livermore, CA 94550

Dear Thomas Bauhs and Jeanne Price:

In correspondence dated January 17, 2007, Alameda County Environmental Health (ACEH) requested that you make reasonable efforts to attempt to locate and decommission four monitoring wells that previously could not be located and were presumed destroyed. As described in recently submitted correspondence dated June 5, 2007, Conestoga-Rovers and Associates (CRA), on behalf of Chevron Management Company, conducted well search activities on March 17, 2007. Well RW-1 was located in a service vault but wells C-1, C-16, and C-18 could not be located visually or with a metal detector. CRA indicates in the June 5, 2007 correspondence that every reasonable effort has been made to locate wells C-1, C-16, and C-18 and the wells will not likely be located without extensive excavation of the roadway and service station. CRA also indicates that wells C-16 and C-18 were apparently destroyed during street construction and well C-1 was destroyed during station upgrades in April 2000.

Based upon the information presented, we concur that reasonable efforts have been made to locate wells C-1, C-16, and C-18 and no further efforts are required to locate these wells. Therefore, please properly destroy well RW-1 and provide documentation of the well decommissioning to this office. A remedial action completion certificate will be issued following receipt of the documentation.

If you have any questions, please call me at (510) 567-6791.

Sincerely,

Jerry Wickham
Hazardous Materials Specialist

Thomas Bauhs
Milton and Violet Price Trust
RO0000477
June 28, 2007
Page 2

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Wyman Hong, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Colleen Winey, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street
Pleasanton, CA 94566

David Herzog, Cambria Environmental Technology, Inc., 2000 Opportunity Drive, Suite 110,
Roseville, CA 95678

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

Re 477

Wickham, Jerry, Env. Health

From: Hong, Wyman [Wyman@zone7water.com]
Sent: Tuesday, June 19, 2007 10:27 AM
To: Wickham, Jerry, Env. Health
Cc: Katen, Matt; Winey, Colleen; Dizon, Cheryl
Subject: RE: Chevron lost wells at 4904 Southfront in Livermore

Jerry,

I looked up some of the history and correspondence for the unlocatable wells at 4904 Southfront Road and I believe Conestoga-Rovers has made every reasonable effort to locate these wells without having to do major excavation of the driveway and roadway. I will note in our database that no further action is required for the location of these wells. Zone 7 will consider them destroyed by street widening activities.

Wyman Hong
Water Resources Technician
Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551
Phone: (925)454-5056
Fax: (925)454-5728

From: Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]
Sent: Friday, June 15, 2007 9:52 AM
To: Hong, Wyman
Subject: Chevron lost wells at 4904 Southfront in Livermore

Hi Wyman,

Last January, we talked about a Chevron site in Livermore where they could not locate three monitoring wells and one remediation well for decommissioning. After our discussion, I asked them to go back out to locate the wells for decommissioning. Attached is their report of the well search. They found the remediation well and but did not find the three monitoring wells. Well C-1 is a 3-inch well screened from 8 to 20 feet bgs, well C-16 is a 3-inch well screened from 5-35 feet bgs, and well C-18 is a 2-inch well screened from 9-29 feet bgs. At this point, I was not going to request excavation in First Street or Southfront and am ready to close the case. Let me know if you think we should do more on this.

Thanks,
Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
510-567-6791 phone
510-337-9335 fax
jerry.wickham@acgov.org

6/19/2007

Wickham, Jerry, Env. Health

To: Hong, Wyman

Subject: Chevron lost wells at 4904 Southfront in Livermore

Hi Wyman,

Last January, we talked about a Chevron site in Livermore where they could not locate three monitoring wells and one remediation well for decommissioning. After our discussion, I asked them to go back out to locate the wells for decommissioning. Attached is their report of the well search. They found the remediation well and but did not find the three monitoring wells. Well C-1 is a 3-inch well screened from 8 to 20 feet bgs, wells C-16 is a 3-inch well screened from 5-35 feet bgs, and well C-18 is a 2-inch well screened from 9-29 feet bgs. At this point, I was not going to request excavation in First Street or Southfront and am ready to close the case. Let me know if you think we should do more on this.

Thanks,

Jerry Wickham

Alameda County Environmental Health

1131 Harbor Bay Parkway

Alameda, CA 94502-6577

510-567-6791 phone

510-337-9335 fax

jerry.wickham@acgov.org

RO477

Wickham, Jerry, Env. Health

From: Herzog, David [dherzog@croworld.com]
Sent: Wednesday, June 06, 2007 2:16 PM
To: Seng, John, Env. Health
Cc: Wickham, Jerry, Env. Health; Gearhart, Leon; Moore, Judi; Eppler, Bruce
Subject: FW: RO477 Site Reconnaissance & Well Search Report Upload

Mr. Seng:

The letter that was submitted to the County's ftp site has no geologic interpretation (see attachment); therefore, does not need a PG signature or stamp.

David W. Herzog, PG
Conestoga-Rovers & Associates (CRA)
 2000 Opportunity Drive, Suite 110
 Roseville, California 95678
 P. (916) 677-3407, x112
 F. (916) 677-3687
 C. (916) 919-0404

Conestoga-Rovers & Associates has acquired the former Cambria Environmental Technology
Visit us at www.croworld.com

From: Moore, Judi
Sent: Wednesday, June 06, 2007 1:49 PM
To: Herzog, David
Subject: FW: RO477 Site Reconnaissance & Well Search Report Upload

I JUST RECEIVED THIS.

From: Seng, John, Env. Health [mailto:john.seng@acgov.org] **On Behalf Of** dehloptoxic, Env. Health
Sent: Wednesday, June 06, 2007 1:43 PM
To: Moore, Judi; dehloptoxic, Env. Health
Cc: Wickham, Jerry, Env. Health
Subject: RE: RO477 Site Reconnaissance & Well Search Report Upload

REJECTED ftp REPORT SUBMITTAL

Case No. RO0000477, 4904 Southfront Road, Livermore, CA.

Ladies and Gentleman:

Alameda County Environmental Health (ACEH) Toxics Programs has rejected your recent report submittal to the County's ftp site. Your submission does not meet the requirements of ACEH for submittal of electronic documents for the reason(s) listed (in **bold and underline**) below. The rejected document has not been entered into the case file and has not been forwarded to your caseworker for review. Rejection of the report may put you at risk of noncompliance. Please make the necessary corrections and resubmit the report as soon as

6/14/2007

possible. Failure to submit the requested report by your due date may result in enforcement actions or the removal of this site from the SWRCB Cleanup Fund.

- **Professional Certification stamp is missing.**
- Document not found.
- Document is damaged.
- A security exists on the document.
- The document is not in .PDF format.
- The report date is wrong.

John Seng
Alameda County Dept. of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 777-2478 Phone
(510) 337-9335 Fax
John.Seng@acgov.org

From: Moore, Judi [mailto:jamoore@croworld.com]
Sent: Wednesday, June 06, 2007 10:05 AM
To: dehloptoxic, Env. Health
Cc: Wickham, Jerry, Env. Health
Subject: RO477 Site Reconnaissance & Well Search Report Upload

Judi Moore
Conestoga-Rovers & Associates (CRA)
2000 Opportunity Dr., Suite 110
Roseville, CA 95678
Phone: 916-677-3407 x100
Fax: 916-677-3687

**Conestoga-Rovers and Associates has acquired the former Cambria Environmental Technology
Visit us at www.croworld.com**

6/14/2007

ALAMEDA COUNTY
HEALTH CARE SERVICES



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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

January 17, 2007

Dana Thurman
Chevron Environmental Management Company
6001 Bollinger Canyon Road
P.O. Box 6012
San Ramon, CA 94583-2324

Milton and Violet Price Trust
C/o Jeanne R. Price
225 Bush Street
San Francisco, CA 94104-4215

Subject: Fuel Leak Case No. RO0000477, Chevron #9-1924, 4904 Southfront Road, Pleasanton, CA

Dear Mr. Thurman:

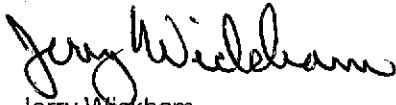
In correspondence dated October 26, 2006, Alameda County Environmental Health (ACEH) requested that the monitoring wells installed at the site and off-site be properly destroyed prior to issuance of a remedial action completion certificate. In response to this request, Chevron Environmental Management Company submitted a report entitled, "Well Destruction Report," dated January 9, 2007. The "Well Destruction Report," which was prepared by Cambria Environmental Technology, describes the pressure grouting of seven monitoring wells on December 11, 2006. A total of 21 monitoring wells and one recovery well have been installed at the site and off-site. As shown on Table A of the Well Destruction Report, four wells could not be located and were presumed destroyed during street construction activities (C-16 and C-18), destruction of a former groundwater treatment system (RW-1), and station upgrades (C-1). The Well Destruction Report does not describe efforts that were taken by Chevron and Cambria to locate these four monitoring wells. We request that you make reasonable efforts to attempt to locate and decommission these wells. If the wells cannot be located or cannot be decommissioned due to unusual site conditions, please provide information to substantiate your efforts to locate and decommission the wells or demonstrate the conditions that prevent well decommissioning.

The destruction methods are unknown for four wells that were reported destroyed during April 2000 station upgrade activities (C-2, C-3, and C-6) and 1985 UST removal activities (C-4). For these four wells, we request that you undertake efforts to locate and confirm that the wells were properly decommissioned. If the wells were not properly decommissioned, please undertake proper decommissioning. If the wells cannot be located or the destruction status remains unknown, please provide information to substantiate your efforts to locate the wells and confirm well decommissioning.

Dana Thurman
Milton and Violet Price
January 17, 2007
Page 2

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Wyman Hong, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Colleen Winey, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street
Pleasanton, CA 94566

David Herzog, Cambria Environmental Technology, Inc., 2000 Opportunity Drive, Suite 110,
Roseville, CA 95678

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



7

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

October 26, 2006

Mr. Dana Thurman
Chevron Environmental Management Company
6001 Bollinger Canyon Road
P.O. Box 6012
San Ramon, CA 94583-2324

Subject: Fuel Leak Case No. ~~99-000007~~, Chevron #9-1924, 4904 Southfront Road, Pleasanton, CA – Request for Well Decommissioning

Dear Mr. Thurman:

Alameda County Environmental Health (ACEH) and California Regional Water Quality Control Board staff have reviewed the fuel leak case file and case closure summary for the above-referenced site and concur that no further action related to the underground storage tank fuel release is required at this time. Prior to issuance of a remedial action completion certificate, the monitoring wells installed at the site and off-site are to be properly destroyed, should the monitoring wells have no further use. Please decommission the monitoring wells and provide documentation of the well decommissioning to this office. A remedial action completion certificate will be issued following receipt of the documentation.

Well destruction permits may be obtained from the Zone 7 Water Agency (www.Zone7water.com). If you have any questions, please call me at (510) 567-6791.

Sincerely,

Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Colleen Winey, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street
Pleasanton, CA 94566

David Herzog, Cambria Environmental Technology, Inc., 2000 Opportunity Drive, Suite 110,
Roseville, CA 95678

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



7

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

September 29, 2006
Revised October 13, 2006

Dana Thurman
Chevron Environmental Management Company
6001 Bollinger Canyon Road
P.O. Box 6012
San Ramon, CA 94583-2324

Revised Address:
Milton and Violet Price Trust
C/o Jeanne R. Price
225 Bush Street
San Francisco, CA 94104-4215

Subject: Fuel Leak Case No. [REDACTED] Chevron #9-1924, 4904 Southfront Road, Pleasanton, CA

Dear Mr. Thurman:

The fuel leak case file for the above-referenced site is under review for case closure by Alameda County Environmental Health (ACEH). If case closure is approved, the fuel leak case will be closed with the following site management requirement:

"Case closure for the fuel leak site is granted for commercial land use only. If a change in land use to residential or other conservative scenario occurs at this property, Alameda County Environmental Health must be notified and the case needs to be re-evaluated."

Please provide the certification requested below in the Landowner Notification Requirements that you have notified all responsible landowners of the request for case closure.

LANDOWNER NOTIFICATION REQUIREMENTS

Pursuant to California Health & Safety Code Section 25297.15, the active or primary responsible party for a fuel leak case must inform all current property owners of the site of cleanup actions or requests for closure. Furthermore, ACEH may not consider any cleanup proposals or requests for case closure without assurance that this notification requirement has been met. Additionally, the active or primary responsible party is required to forward to ACEH a complete mailing list of all record fee title holders to the site.

For you to meet these requirements when submitting cleanup proposals or requests for case closure, ACEH requires that you:

1. Notify all current record owners of fee title to the site of any cleanup proposals or requests for case closure;

2. Submit a letter to ACEH which certifies that the notification requirement in 25297.15(a) of the Health and Safety Code has been met;
3. Forward to ACEH a copy of your complete mailing list of all record fee title holders to the site; and
4. Update your mailing list of all record fee title holders, and repeat the process outlined above prior to submittal of any additional *Corrective Action Plan* or your *Request for Case Closure*.

Your written certification to ACEH (Item 2 above) must state, at a minimum, the following:

A. *In accordance with Section 25297.15(a) 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)*
- request for case closure*
- local agency intention to make a determination that no further action is required*
- local agency intention to issue a closure letter*

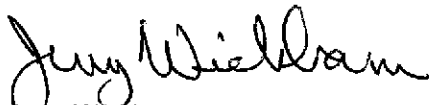
- OR -

B. *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.*

(Note: Complete item A if there are multiple site landowners. If you are the sole site landowner, skip item A and complete item B.)

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Colleen Winey, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street
Pleasanton, CA 94566

David Herzog, Cambria Environmental Technology, Inc., 2000 Opportunity Drive, Suite 110,
Roseville, CA 95678

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

R0477

Wickham, Jerry, Env. Health

From: Drogos, Donna, Env. Health
Sent: Wednesday, August 09, 2006 5:20 PM
To: Wickham, Jerry, Env. Health
Subject: FW: Chevron 9-1924, Livermore
Attachments: 9-1924 Site Plan with proposed boring locations.pdf

FYI - I have not responded to him.

From: Thurman, Dana (DThurman) [mailto:DThurman@chevron.com]
Sent: Wednesday, August 02, 2006 11:13 AM
To: Drogos, Donna, Env. Health
Cc: Herzog, David
Subject: FW: Chevron 9-1924, Livermore

Donna, please note the email below from Cambria regarding Chevron SS#9-1924, 4904 South Front Street, Livermore, CA. In our meeting, you indicated that you are reviewing the closure request from Cambria for this site. In light of Cambria's scheduled work for this location next week is there any additional data that you would require to aid in your closure decision that Cambria could obtain during their on site work next week. Please advise if you require any additional data. Thank you for your help.

Dana Thurman

Property Specialist

Chevron Environmental Management Company

6001 Bollinger Canyon Rd., Room K2236

San Ramon, CA 94583

Tel 925 842 9559

Fax 925 842 8370

Mobile 925 997 1492

dthurman@chevron.com

From: Herzog, David [mailto:dherzog@cambria-env.com]
Sent: Wednesday, August 02, 2006 10:46 AM
To: Thurman, Dana
Cc: Eppler, Bruce
Subject: Chevron 9-1924, Livermore

Dear Ms. Drogos and Mr. Wickham

On behalf of Chevron, Cambria will be performing a baseline assessment at Chevron site 9-1924, 4904 South Front Street, Livermore, on August 8 and 9, 2006. A copy of the site map showing the location of the six proposed soil borings is attached. The baseline work will involve advancing soil borings to groundwater at the six locations, and collecting soil and grab-groundwater samples for analysis. We understand that you have concerns regarding our request for closure of this site. Is there additional soil or groundwater data that you require to facilitate site closure that we can collect during the upcoming baseline assessment? Please let us know as soon as possible. Thank you.

9/29/2006

STATE OF CALIFORNIA - THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

ARNOLD SCHWARZENEGGER, Governor

CENTRAL DISTRICT
3251 S Street
Sacramento, CA 95816
(916) 227-7632
(916) 227-7800(Fax)

NORTHERN DISTRICT
2440 Main Street
Red Bluff, CA 96080
(530) 529-7300
(530) 529-7322 (Fax)

SAN JOAQUIN DISTRICT
3374 East Shields Avenue
Fresno, CA 93726
(559) 230-3300
(559) 230-3301 (Fax)

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

WELL COMPLETION REPORT RELEASE AGREEMENT--AGENCY
(Government and Regulatory Agencies and their Authorized Agents)

Project/Contract No. Chevron 9-1924, 4904 Southfront Road, County
Livermore, Alameda

Township, Range, and Section _____ Radius _____

(Must include entire study area and a map that shows the area of interest.)

Under California Water Code Section 13752, the agency named below requests permission from Department of Water Resources to inspect or copy, or for our authorized agent named below to inspect or copy, Well Completion Reports filed pursuant to Section 13751 to (check one):

Make a study, or,

Perform an environmental cleanup study associated with an unauthorized release of a contaminant within a distance of 2 miles.

In accordance with Section 13752, information obtained from these reports shall be kept confidential and shall not be disseminated, published, or made available for inspection by the public without written authorization from the owner(s) of the well(s). The information shall be used only for the purpose of conducting the study. Copies obtained shall be stamped CONFIDENTIAL and shall be kept in a restricted file accessible only to agency staff or the authorized agent.

Cambria Environmental Technology, Inc.
Authorized Agent

2000 Opportunity Drive, Suite 110
Address

Roseville, CA 95678
City, State, and Zip Code

Signature

Title Senior Project Geologist

Telephone (916) 677-3407 ext 112

Fax (916) 677-3687

Date March 22, 2006

E-mail dherzog@cambria-env.com

Alameda County Environmental Health
Government or Regulatory Agency

1131 Harbor Bay Parkway
Address

Alameda, CA 94502
City, State, and Zip Code

Signature

Title Hazardous Materials Specialist

Telephone (510) 567-6791

Fax (510) 337-9335

Date 3/23/06

E-mail jerry.wickham@acgov.org

6 June 2001

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



7

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

January 10, 2006

Mr. Dana Thurman
Chevron Environmental Management Company
6001 Bollinger Canyon Road
P.O. Box 6012
San Ramon, CA 94583-2324

Subject: Fuel Leak Case [REDACTED] 477, Chevron #9-1924, 4904 Southfront Road, Pleasanton, CA

Dear Mr. Thurman:

Alameda County Environmental Health (ACEH) staff have reviewed the fuel leak case file for the above-referenced site and the document entitled, "Response to Comments," dated November 23, 2005. The document was received by ACEH on December 1, 2005, beyond the scheduled submittal date of November 15, 2005. In previous correspondence, Chevron Environmental Management Company has requested site closure based upon review of site conditions and comparison to the low-risk fuel site criteria described in the January 5, 1996 Regional Water Quality Control Board memorandum, "Interim guidance on Required Cleanup at Low-Risk Fuel Sites." ACEH requested additional information prior to making a determination regarding case closure. The "Response to Comments," provides additional information to partially address the technical comments contained in ACEH correspondence dated September 27, 2005. However, the "Response to Comments," does not provide additional information to fully address the technical comments that affect consideration of case closure. We have expanded the technical comments below to identify the items that have not been addressed. In order to facilitate review of case closure, we request that you supplement your response to comments with site-specific information as requested in the technical comments below.

We concur that the concentrations of dissolved fuel hydrocarbons in shallow groundwater are decreasing and that the shallow plume appears to be shrinking. Therefore, continued groundwater monitoring of the existing wells is not necessary to make a determination regarding site closure. Quarterly groundwater monitoring may be suspended at this time.

We request that you prepare a revised Response to Comments to address the technical comments below and provide the requested information **by March 9, 2006**. Case closure will be considered following submittal of the information requested in the technical comments below.

TECHNICAL COMMENTS

1. **Water Wells near the Site.** We requested that you also obtain well information from the Zone 7 Water Agency to confirm that no other water supply wells exist within 2,000 feet of the site and to confirm that irrigation and domestic wells identified by previous well surveys were destroyed. The location of a Zone 7 water-producing well approximately 1.5 miles

south of the site as shown on a generalized map was discussed but no further information on the construction of known wells or confirmation that no other wells exist in the local area was provided. The purpose of this information is to help assess potential risks if the plume extends deeper than currently presumed. Please see the discussion in comment 3 regarding the vertical extent of contamination.

2. **Horizontal Extent of Plume in Shallow Groundwater.** We concur that TPHg and MTBE concentrations in shallow groundwater are decreasing over time and that the shallow groundwater plumes at the site appear to be shrinking. However, the approximate extents of the TPHg and MTBE plumes shown on Figure 2 most likely underestimate the extent of the shallow groundwater contamination. Historical potentiometric surface maps constructed using data collected jointly from monitoring wells at the Unocal station at 4700 First Street, Chevron station at 4904 Front Street, and the ARCO station on the west side of Southfront Road indicate that the Unocal station at 4700 First Street is downgradient of the Chevron Station at 4904 Southfront Road. Monitoring well MW-4, which is on the southeast boundary of the Unocal station property, is upgradient from sources at the Unocal station but is downgradient from the Chevron station. Dissolved fuel hydrocarbons have consistently been detected in this well since monitoring began in 1989. During the most recently reported groundwater monitoring event, TPHg was detected at a concentration of 69 micrograms per liter ($\mu\text{g/L}$) and MTBE was detected at 0.6 $\mu\text{g/L}$. Therefore, the extent of the TPHg and MTBE plume from the Chevron site is larger than shown on Figure 2. Please revise Figure 2 accordingly.
3. **Impact to Lower Water-Bearing Zones.** Due to the fact that no soil or groundwater samples have been collected below 30 feet bgs at the site, we requested that the potential for impact to lower water-bearing zones be discussed using, but not limited to, additional information on the stratigraphy, depth to water-bearing zones, likely vertical gradients, history of fuel releases, and historic water level fluctuations. We also suggested that a nearby Zone 7 monitoring well located in close proximity to the site may be a source of useful information to help address the above items, particularly historic groundwater fluctuations. Broad regional information was discussed but no site-specific information, local data on the depth to water-bearing zones, likely vertical gradients, history of releases at the site, or historic water level fluctuations was presented in the November 23, 2005 "Response to Comments." The response concludes by assuming that the plume is shrinking and is of limited extent; therefore, potential impact to lower water-bearing zones is unlikely.

One of the reasons that we requested local information on the depth to water-bearing zones, likely vertical gradients, history of releases at the site, and historic water level fluctuations is to assess whether the observed decreases in concentrations are related to natural attenuation within shallow groundwater or whether the decreases are due to downward migration of fuel hydrocarbons below the depth of the existing monitoring wells. The potential for vertical gradients and downward migration of contaminants is not addressed or considered in the Response to Comments. Information on historic releases and historic groundwater fluctuations was requested in order to assess whether releases at the site may have occurred during periods of lower groundwater levels. In such cases, fuel hydrocarbons would migrate below current groundwater levels and below the zone of current groundwater monitoring to lower water-bearing zones. The potential for releases to have occurred during periods of lower water level and to have impacted lower water-bearing zones is also not considered in the Response to Comments. Therefore, we request that you evaluate potential

impacts to lower water-bearing zones by considering factors beyond presumptions that are based solely on concentration trends in the existing monitoring wells.

4. **Lead Scavengers.** The historic water quality data provided for ethylene dibromide are sufficient to address our previous comment on lead scavengers.

TECHNICAL REPORT REQUEST

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

- **March 9, 2006** – Revised Response to Comments

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

ELECTRONIC SUBMITTAL OF REPORTS

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

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

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 jerry.wickham@acgov.org.

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following:

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

Dana Thurman
January 10, 2006
Page 5

cc: Matt Katen, QIC 80201
Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani
Livermore-Pleasanton Fire Department
3560 Nevada Street
Pleasanton, CA 94566

David Herzog
Cambria Environmental Technology, Inc.
4111 Citrus Avenue, Suite 12
Rocklin, CA 95667

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



7

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

September 27, 2005

Mr. Dana Thurman
Chevron Environmental Management Company
6001 Bollinger Canyon Road
P.O. Box 6012
San Ramon, CA 94583-2324

Subject: Fuel Leak Case No. [REDACTED], Chevron #9-1924, 4904 Southfront Road, Pleasanton, CA

Dear Mr. Thurman:

I have been assigned as case worker for the above referenced site. Please send future correspondence for this site to my attention. Alameda County Environmental Health (ACEH) staff have reviewed the fuel leak case file for the above-referenced site and the documents entitled, "Request for Closure," dated February 21, 2005, "Closure Request," dated May 27, 2004, and "Site Conceptual Model," dated December 8, 2002. Chevron Environmental Management Company has requested site closure based upon review of site conditions and comparison to the low-risk fuel site criteria described in the January 5, 1996 Regional Water Quality Control Board memorandum, "Interim guidance on Required Cleanup at Low-Risk Fuel Sites." Residual fuel hydrocarbons are present in soil and groundwater at the site and extend off-site beneath Southfront Lane and a BP service station on the opposite side of Southfront Lane.

Based upon our review of the case file and the above cited documents, we request additional information prior to making a determination regarding case closure. We request that you address the technical comments below and provide the requested information in a response to comments by **November 15, 2005**. Case closure will be considered following submittal of the information requested in the technical comments below.

TECHNICAL COMMENTS

1. **Water Wells near the Site.** The "Site Conceptual Model," (SCM) dated December 8, 2002 describes the results of a California Department of Water Resources (DWR) well search that identified five irrigation wells and one domestic well within 2,000 feet of the site (Table 4). The SCM also indicates that the five irrigation wells and one domestic well were destroyed. No information on the total depth of the wells or well construction is presented. We request that you also obtain well information from Zone 7 Water Agency to confirm that no other water supply wells exist within 2,000 feet of the site and to confirm that the irrigation and domestic wells were destroyed. In addition, we request that well construction information, particularly the depth at which the water supply wells in the area were screened, be presented in order to help assess potential future impacts on groundwater use near the site. Please present this information using maps and tables as necessary in the Response to Comments requested below.

2. **Impact to Lower Water-Bearing Zones.** The Closure Report states that deeper drinking water aquifers are not likely to be impacted by dissolved hydrocarbons at the site. However, no soil or groundwater samples have been collected below 30 feet bgs at the site to confirm that soil and groundwater has not been impacted at greater depths. Please expand upon the discussion of potential impact to lower water-bearing zones using, but not limited to, additional information on the stratigraphy, depth to water-bearing zones, likely vertical gradients, and historic water level fluctuations. Please present regional and site-specific information as necessary to support your discussion. The DWR well search in the May 27, 2004 SCM indicates that a Zone 7 monitoring well is located in close proximity to the site. The Zone 7 monitoring well may be a source of useful information to help address the above items. Please incorporate this information as appropriate in the Response to Comments requested below.
3. **Groundwater Monitoring.** Since a fuel leak was reported at the site in 1984, there is a potential for lead scavengers to be contaminants of concern. The lead scavenger 1,2-dichlorethane has been detected in groundwater at concentrations up to 30 µg/L. However, no analyses appear to have been conducted for ethylene dibromide. Please provide historic groundwater data for ethylene dibromide, obtain data for ethylene dibromide during the next groundwater monitoring event, or provide the rationale as to why analyses for ethylene dibromide are not needed.

TECHNICAL REPORT REQUEST

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

- **November 15, 2005** – Response to Comments
- **February 15, 2006** - Quarterly Report for the Fourth Quarter 2005

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

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) now request submission of reports in electronic form. The electronic copy is intended to replace the need for a paper copy and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage

tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). Please visit the State Water Resources Control Board for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

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PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

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.

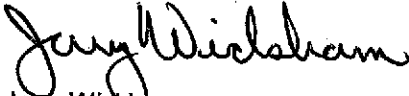
AGENCY OVERSIGHT

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.

Dana Thurman
September 27, 2005
Page 4

If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Colleen Winey, QIC 80201
Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani
Livermore-Pleasanton Fire Department
3560 Nevada Street
Pleasanton, CA 94566

Bruce Eppler
Cambria Environmental Technology, Inc.
4111 Citrus Avenue, Suite 12
Rocklin, CA 95667

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

**Chevron Environmental
Management Company**
Retail Business Unit
6001 Bollinger Canyon Rd. Bldg. K
Room 2236 P.O. Box 6012
San Ramon, CA 94583-2324
Tel 925 842-9559
Fax 925 842-8370

Dana R. Thurman
Property Specialist

RO-477

ChevronTexaco

Alameda County
FEB 25 2005
Environmental Health

February 21, 2005

Robert Schultz
Alameda County Health Care Services Agency (ACHCSA)
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: Formal Request for Site Closure
Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

Dear Mr. Schultz:

On behalf of Chevron Environmental Management Company (ChevronTexaco), Cambria Environmental Technology, Inc. (Cambria) submitted a Closure Request, dated May 27, 2004 for the above referenced location. ChevronTexaco concurs with this site closure request for Chevron SS#9-1924 located at 4904 Southfront Road, Livermore, California.

Thank you for your assistance in this matter, please do not hesitate to contact me at (925) 842-9559 if you questions or comments.

Very truly yours,



Dana R. Thurman

cc: Mr. Bruce Eppler, Cambria, 4111 Citrus Ave., Suite 12, Rocklin, CA 95667

Chu, Eva, Env. Health

From: tdelfrate@deltaenv.com[SMTP:tdelfrate@deltaenv.com]
Sent: August 24, 2001 11:13 AM
To: echu@co.alameda.ca.us
Cc: tkba@chevron.com; jbrownell@deltaenv.com; bbardsley@deltaenv.com; deanna@grinc.com; bherron@grinc.com; ggurss@grinc.com
Subject: Well Destruction at Chevron 9-1924

Hello Eva, FYI: Delta has scheduled Cascade Drilling to destroy wells C-1, C-5, C-8, C-10, C-14, C-16 through C-19, and RW-1 on September 19, 2001, at the above referenced site. Wells C-16, C-18, and C-21 apparently have been covered by past reconstruction activities. Delta will attempt to locate and uncover these wells. However, as I understand it wells C-16 and C-18 located in Southfront Road were shaved off during reconstruction of the road bed. Attempts in the past have been made to locate these wells but were unsuccessful. Survey data for these wells has not been found to date. During well destruction activities, Delta will make an effort to locate these wells with a metal detector. However, if the well boxes and upper portion of well casing have been sheared off, then our chances of locating without survey data is unlikely. I understand well C-21 can be located. If those cc'd has any information or can clarify the disposition of the covered wells, I would appreciate your input.

Todd Del Frate
Project Manager
Delta Environmental Consultants, Inc.
Phone: 916-536-2612 Fax: 916-854-8385
email: tdelfrate@deltaenv.com

Schultz, Robert, Env. Health

NO DAK 9-14-05
eoa

To: Karen Streich (E-mail)
Cc: bepler@cambria-env.com
Subject: [REDACTED]: Southfront Rd., Livermore

Karen:
Your request for monitoring and sampling reduction for the above-referenced site is approved.
Sincerely,
Bob Schultz

Robert W. Schultz, R.G.
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
510-567-6719 (direct)
510-337-9335 (facsimile)



Delta
Environmental
Consultants, Inc.

July 13, 2000
2001

JUL 24 2001

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

Ms. Eva Chu
Alameda County Health Care Services
Division of Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject: *Recommended Change to the Groundwater Monitoring and Sampling Program, and Recommended Well Destruction*
Chevron Station #9-1924
4904 Southfront Road, Livermore, California.

Ms. Chu,

On behalf of Chevron Products Company (Chevron), Delta Environmental Consultants, Inc. (Delta) has prepared this letter recommending changes to the groundwater monitoring and sampling program, and recommendation of additional well destruction at the above referenced site. These recommendations are being proposed by Chevron/Delta following a meeting with Alameda County Health Care Services (ACHCS) concerning potential closure of the subject site.

According to ACHCS, closure of the site would be considered if Chevron could demonstrate that methyl tert butyl ether (MTBE) concentrations detected in groundwater have continued over the last four quarters. Delta analyzed the groundwater data and concluded that sufficient data does not exist. Although concentrations have been below 1,500 µg/L in all site monitoring wells sampled over the last four quarters, some wells have only been sampled annually. As a result, four consecutive quarters of data do not exist for some areas of the site.

decrease?

To further evaluate the site for closure, Delta recommends quarterly groundwater monitoring of wells C-7, C-9, C-11, C-12, C-13, C-20, and C-21. Well locations are shown on Figure 2 (attached). These wells were chosen due to their locations relative to the hydrocarbon plume. These wells will cover upgradient, source area, crossgradient, and downgradient points of the plume. Quarterly data from these points should produce the best results for evaluation of the MTBE plume and potential site closure.

On April 19, 2001, Delta submitted a *Workplan For Monitoring Well Destruction* to ACHCS. The workplan proposed the destruction of wells C-1, C-5, C-10, and C-14. In addition, the workplan proposed to locate and uncover wells C-16, C-18, and C-21. Alameda County approved it on April 12, 2001. In addition to the proposed destruction of the above mentioned wells, Delta recommends destruction of groundwater monitoring wells C-8, C-16 through C-19, and RW-1. If ACHCS approves of these changes to the monitoring and sampling program, and additional well destruction, please notify Mr. Tom Bauhs of Chevron Products Company and Mr. Jim Brownell of Delta. If you have any questions please call me at (916) 536-2612.

where is RW-1?

Sincerely,
Delta Environmental Consultants, Inc.

Todd A. Del Frate
Project Manager

Cc: Mr. Tom Bauhs, Chevron Products Company
Mr. Jim Brownell, Delta Environmental Consultants, Inc.

Chu, Eva, Env. Health

From: wspeth@deltaenv.com[SMTP:wspeth@deltaenv.com]
Sent: April 20, 2001 1:37 PM
To: echu@co.alameda.ca.us
Subject: 9-1924, 4904 Southfront Road, Livermore

Ms. Chu,

My name is Todd Del Frate, and I am the new project manager with Delta Env. working on Chevron retail gasoline sites. I have replaced Will Speth, whom has taken a new career path. I will be your contact at Delta for the above referenced station. If you have any questions do not hesitate to call my direct line at (916) 536-2612.

I have begun permitting the approved destruction of wells C-1, C-5, C-10, and C-14. Well destruction permits and an encroachment permit will likely be submitted early next week to the appropriate agencies. I have reviewed several email correspondence concerning well C-14 and a possible blockage of the well casing. Do you know if the well is in fact blocked? Our records indicate that the well was drilled to a total depth of 35-feet bsg, and backfilled to a depth of 22-feet bsg. If this is the case, will you approve an overdrill to a depth of 22 or 23-feet bsg? I appreciate your input.

Sincerely,
Todd A. Del Frate
Project Manager
Delta Environmental
(916) 536-2612

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

RO-0000477

April 10, 2001

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

**RE: Well Decommission at Chevron Station No. 9-1924 at 4904 Southfront Rd.,
Livermore, CA**

Dear Mr. Bauhs:

I have completed review of Delta Environmental Consultants, Inc's April 2001 *Workplan for Monitoring Well Destruction* prepared for the above referenced site. The proposal to decommission groundwater monitoring wells C-1, C-10 and C-14 is acceptable. In addition, well C-5, believed to be paved over, will be located and also properly destroyed.

Once these wells are destroyed, semi-annual monitoring of wells C-7, C-9, C-11, and C-18 should be conducted in the first and third quarters of each year. If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

email: James Brownell
Will Speth

Chu, Eva, Public Health, EHS

From: wspeth@deltaenv.com[SMTP:wspeth@deltaenv.com]
Sent: February 26, 2001 11:32 AM
To: EChu@co.alameda.ca.us; TKBA@chevron.com; jbrownell@deltaenv.com
Subject: Chevron, 4904 South Front Road, Livermore, CA

Eva:

After discussing the project with Jim and Tom, we have decided to destroy several wells along with C-14. Wells C-5, C-7, C-9, C-11, C-17, and C-18 be monitored/sampled on a semi-annual basis in the first and third quarters.

This is a change from the February 6, 2001 cover letter proposing semi-annual monitoring/sampling of wells C-5, C-7 through C-9, C-11 through C-14, C-16, and C-19 through C-21 (second and fourth quarters); annual monitoring of wells C-17 and C-18; and discontinue sampling of wells C-1 and C-10.

I will prepare a workplan proposing the destruction of the wells and submit to your attention.

Will

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

From: Chu, Eva, Public Health, EHS [mailto:EChu@co.alameda.ca.us]
Sent: February 16, 2001 10:03 AM
To: 'Speth, Will'; 'Bauhs, Tom'
Subject: Chevron, 4904 South Front Road, Livermore, CA

Hi Will and Tom,

I received Delta's February 2001 Revised Monitoring and Sampling request for the above referenced site. You proposed to conduct semi-annual monitoring/sampling of wells C-5, C-7 through C-9, C-11 through C-14, C-16, and C-19 through C-21; annual monitoring of wells C-17 and C-18; and discontinue sampling of wells C-1 and C-10.

I would recommend that only wells C-7, C-9, C-11, C-14, and C-18 be monitored/sampled on a semi-annual basis in the first and third quarters. Groundwater sampling of the other wells is not warranted at this time. Be advised that well C-14 has debris in it and must be removed before the next sampling event. If my recommendations are acceptable, please let me know. Otherwise, you may stick to your proposed sampling program.

evachu

Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
(510) 567-6762
(510) 337-9335 fax

Chu, Eva, Public Health, EHS

From: Chu, Eva, Public Health, EHS
Sent: February 16, 2001 10:02 AM
To: 'Speth, Will'; 'Bauhs, Tom'
Subject: Chevron, 4904 South Front Road, Livermore, CA

Hi Will and Tom,

I received Delta's February 2001 *Revised Monitoring and Sampling* request for the above referenced site. You proposed to conduct semi-annual monitoring/sampling of wells C-5, C-7 through C-9, C-11 through C-14, C-16, and C-19 through C-21; annual monitoring of wells C-17 and C-18; and discontinue sampling of wells C-1 and C-10.

I would recommend that only wells C-7, C-9, C-11, C-14, and C-18 be monitored/sampled on a semi-annual basis in the first and third quarters. Groundwater sampling of the other wells is not warranted at this time. Be advised that well C-14 has debris in it and must be removed before the next sampling event. If my recommendations are acceptable, please let me know. Otherwise, you may stick to your proposed sampling program.

evachu

Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
(510) 567-6762
(510) 337-9335 fax



Chevron

June 30, 1999

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

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

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

Re: Chevron Service Station #9-1924
4904 Southfront Road
Livermore, California

Dear Ms. Chu:

This is to confirm your verbal approval of June 29, 1999, to change the sampling frequency to **annual** for all wells presently being sampled at the above noted site. This includes wells C-2, C-5, C-6; C-9, C-11, C-14, C-17, C-19 and C-20. The annual sampling for these wells will occur in the 1st Quarter, 2000.

This is also to confirm that an isoconcentration map for MtBE will be added to the groundwater monitoring report.

If you have any questions, call me at (925) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

A handwritten signature in black ink, appearing to read "Philip R. Briggs".

Philip R. Briggs
Site Assessment and Remediation Project Manager

June 30, 1999
Ms. Eva Chu
Chevron Service Station #9-1924
Page 2

CC. Mr. Dana Thurman, Chevron

Mr. Scott Hooton
BP Oil Company
295 SW 41st Street
Renton, WA 98055-4931

Mr. Gary Stumpf
Mobil Oil
3225 Gallows Road, Rm. 6W116
Fairfax, Virginia 22037

Mr. David DeWitt
Tosco
2000 Crow Canyon Place, Suite 400
San Ramon, CA 94583

Mr. Chuck Headlee
RWQCB-San Francisco Area
1550 Clay Street, Suite 1400
Oakland, CA 94612

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9336

StID 2335

January 6, 1997

Ms. Tammy Hodge
Chevron
P.O. Box 6004
San Ramon, CA 94583-0904

RE: Reduced Sampling Frequency at Chevron Station #9-1924,
4904 South Front St, Livermore, CA

Dear Ms. Hodge:

I have completed review of four groundwater monitoring reports dated March 29, June 4, August 20, and November 1996 for the above referenced site. At this time groundwater sampling frequency may be reduced as follows:

1. sample wells C6, C9, C11, C14 and C17 on a semi-annual basis, in April and October of each year;
2. sample wells C2, C5, C19, C20 on an annual basis, in April; and,
3. discontinue sampling of wells C1, C3, C7, C8, C10, C12, C13, C15, C16, and C18.

Groundwater should be analyzed for TPHg, BTEX, and MTBE. In addition, wells C9 and C14 should be sampled annually, in April, and analyzed for chlorinated hydrocarbons.

And you may discontinue coordinated gaging events with UNOCAL.
If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist



Chevron

Reduce sampling freq to
Apr/oct → semi-annual for: C1, C2, C3
C6, C7, C9, C11, C14, C17
Apr → Annual for C10, C19, 20, C2, C5
C17
Apr → Annual sampling for 8010 + VC
C-9, C14, C15, C16
→ Discontinue C1, C7, C8, C10, C12,
C13, C15, C16, C18

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

January 2, 1997

Ms. Eva Chu
 Alameda County Environmental Health
 1131 Harbor Bay Parkway, 2nd Floor
 Alameda, CA 94502

Re: Chevron Station # 9-1924, 4904 Southfront Rd., Livermore, CA
 Attached Groundwater Monitoring Reports (Blaine Tech; 3/29/96, 6/4/96, 8/20/96, 11/14/96)

Dear Ms. Chu:

Please find attached four groundwater monitoring reports dated March 29, June 4, August 20, and November 14, 1996 that were prepared by Chevron's consultant, Blaine Tech Services, Inc. (Blaine Tech), to describe the results of groundwater monitoring at the subject site during all four quarters in 1996. The reported results indicate the presence of MTBE in groundwater however, the concentrations of dissolved gasoline and gasoline constituents have essentially remained unchanged from previous quarter's measurements. These findings suggest that the unquantified release which was reported in April, 1996 was not of any significant volume.

Effective immediately, all environmental matters related to the subject site will be handled by Ms. Tammy Hodge. All further correspondence should be directed to her attention at the above address or you can contact her directly at (510) 842-9449. For your information, I can be reached at (510) 842-8695.

Sincerely,

Brett L. Hunter
 Environmental Engineer
 Site Assessment and Remediation

ENVIRONMENTAL PROTECTION
 97 JAN -2 PM 2:14

Attachments

- cc: Robert Merriken, Mobil Oil, 3225 Gallows Rd., Rm. 2M111, Fairfax, Virginia 22037
 Scott Hooten, BP Oil, Northwest Division, 295 Southwest 41st Street, Renton, WA 98055
 Larry Silva, Tosco NW, 601 Union Street, Suite 2500, Seattle, WA 98101
 San Francisco Bay RWQCB, Oakland, CA (w/o attachment)
 Fran Thie, Blaine Tech Services, Inc., 1680 Rogers Ave., San Jose, CA 95112 (w/o attach.)

1125

ENVIRONMENTAL
PROTECTION

97 JAN -2 PM 2:14



Chevron

December 31, 1996

Chevron Products Company

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

Ms. Eva Chu
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Marketing - Sales West
Phone 510 842-9500

Re: Chevron Station # 9-1924, 4904 Southfront Rd., Livermore, CA
Attached Intrinsic Bioremediation Evaluation Memorandum (CRTC, 4/16/96)

Dear Ms. Chu:

Attached you will find an internal memorandum dated April 16, 1996 that was prepared by Chevron Research and Technology Company (CRTC), which summarizes environmental activities at the subject site and evaluates the effects of intrinsic bioremediation on the dissolved hydrocarbon plume.

In their evaluation of intrinsic bioremediation activity, CRTC compared the distribution of dissolved oxygen and several ions to the distribution of dissolved hydrocarbons in groundwater. Based on this evaluation CRTC found that **biodegradation of dissolved hydrocarbons is occurring by aerobic and anaerobic processes**. In addition, CRTC has identified the dissolved hydrocarbon plume as stable (not migrating) and cites intrinsic bioremediation as evidence for this. Furthermore, a recommendation is made that no further active remediation be taken and that a groundwater monitoring plan be employed to manage the residual hydrocarbon plume. The following plan is recommended:

gauge and sample wells C-5, C-8, C-9, C-10, C-17, C-19, C-20, and C-21 semi-annually
(during 1st and 3rd qtrs.)

*see modified
sampling sched
w/1/6/97 letter*

analyze all samples for TPHGas, BTEX constituents, and MTBE

and et-HC in 2 wells

report results annually (including: semi-annual potent. surface maps; benzene and MTBE
isoconcentration maps)

discontinue coordinated gauging events with Unocal

OK

With your concurrence, the recommended monitoring plan will be implemented during the first quarter, 1997. If you have any questions or comments, I can be reached at (510) 842-8695.

Sincerely,

Brett L. Hunter
Environmental Engineer
Site Assessment and Remediation

Attachment

cc: Robert Merriken, Mobil Oil, 3225 Gallows Rd., Rm. 2M111, Fairfax, Virginia 22037
Scott Hooten, BP Oil, Northwest Division, 295 Southwest 41st Street, Renton, WA 98055
Larry Silva, Tosco NW, 601 Union Street, Suite 2500, Seattle, WA 98101
San Francisco Bay RWQCB, Oakland, CA (w/o attachment)
Fran Thie, Blaine Tech Services, Inc., 1680 Rogers Ave., San Jose, CA 95112 (w/o attach.)

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 checked="" 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.		
REPORT DATE 01/04/96		CASE #		SIGNED _____ DATE _____		
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT BRETT HUNTER		PHONE (510) 842-8695		SIGNATURE Brett L. Hunter	
	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 PRODUCTS COMPANY			
ADDRESS P.O. Box 5004 SAN RAMON, CA 94583-0804						
RESPONSIBLE PARTY	NAME CHEVRON PRODUCTS COMPANY <input type="checkbox"/> UNKNOWN		CONTACT PERSON BRETT L. HUNTER		PHONE (510) 842-8695	
	ADDRESS P.O. Box 5004 SAN RAMON CA 94583-0804					
SITE LOCATION	FACILITY NAME (IF APPLICABLE) CHEVRON SERVICE STATION # 9-1924		OPERATOR WILLIAM HEINZ		PHONE (510) 443-5181	
	ADDRESS 4904 SOUTHFRONT ST. LIVERMORE ALAMEDA 94550					
	CROSS STREET HWY 84					
IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME ALAMEDA COUNTY DIV. ENV. HEALTH		CONTACT PERSON EVA CHU		PHONE (510) 567-6762	
	REGIONAL BOARD SAN FRANCISCO BAY RWQCB		CONTACT PERSON RICH HIETT		PHONE (510) 286-1255	
SUBSTANCES INVOLVED	(1) NAME UNLEADED GASOLINE				QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN	
	(2) _____ <input type="checkbox"/> UNKNOWN					
DISCOVERY/ABATEMENT	DATE DISCOVERED 01/02/96		HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER BAARMD INSPECTION			
	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 REPAIR DRIP UNDER DISPENSER			
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 01/02/96					
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input checked="" type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> OTHER LOOSE FITTING			
	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" 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 checked="" 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 type="checkbox"/> CLEANUP UNDERWAY					
	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input checked="" type="checkbox"/> ENHANCED BIO DEGRADATION (BT) <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 checked="" type="checkbox"/> OTHER (OT) GROUNDWATER MONITORING TO ASSESS REM. ACTION EFFECTS.					
COMMENTS	GROUNDWATER MONITORING/MANAGEMENT PLAN ALREADY IN PLACE AND ONGOING.					

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 checked="" 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: <u>W. Hunter</u> #15/96 DATE:
REPORT DATE: 01/15/96	CASE #: 01/15/96	

REPORTED BY	NAME OF INDIVIDUAL FILING REPORT BRETT HUNTER	PHONE (510) 842-8695	SIGNATURE Brett L. Hunter
	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 PRODUCTS COMPANY	
	ADDRESS P.O. Box 5004 SAN RAMON, CA 94583-0804		

RESPONSIBLE PARTY	NAME CHEVRON PRODUCTS COMPANY <input type="checkbox"/> UNKNOWN	CONTACT PERSON BRETT L. HUNTER	PHONE (510) 842-8695
	ADDRESS P.O. Box 5004 SAN RAMON CA 94583-0804		

SITE LOCATION	FACILITY NAME (IF APPLICABLE) CHEVRON SERVICE STATION #9-1924	OPERATOR WILLIAM HEINZ	PHONE (510) 443-5181	
	ADDRESS 4904 SOUTHFRONT ST. LIVERMORE ALAMEDA 94550			
	CROSS STREET HWY 84			

IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME ALAMEDA COUNTY DIV. ENV. HEALTH	CONTACT PERSON EVA CHU	PHONE (510) 567-6762
	REGIONAL BOARD SAN FRANCISCO BAY RWQCS RICH HIETT (510) 286-1255		

SUBSTANCES INVOLVED	(1) NAME UNLEADED GASOLINE	QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
	(2) <input type="checkbox"/> UNKNOWN	

DISCOVERY/ABATEMENT	DATE DISCOVERED 01/15/96	HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER BAADMD INSPECTION		
	DATE DISCHARGE BEGAN 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 REPAIR DRIP UNDER DISPENSER	
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 01/15/96			

SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input checked="" type="checkbox"/> OTHER	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> OTHER LOOSE FITTING		
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CASE TYPE	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)			
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CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input checked="" 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 type="checkbox"/> CLEANUP UNDERWAY		
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REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input checked="" 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 checked="" type="checkbox"/> OTHER (OT) GROUNDWATER MONITORING TO ASSESS REM. ACTION EFFECTS.			
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COMMENTS
 GROUNDWATER MONITORING/MANAGEMENT PLAN ALREADY IN PLACE AND ONGOING.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

StID 2335

September 15, 1994

Mr. Brett Hunter
Chevron USA
P.O. Box 5004
San Ramon, CA 94583-0804

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

RE: Revised Sampling Frequency at Chevron Station #9-1924,
4904 South Front St, Livermore 94550

Dear Mr. Hunter:

I have just received and completed review of Groundwater Technology's May and August Quarterly Monitoring and Sampling Activities reports for the above referenced site. The revised sampling frequency schedule as follows may be implemented as soon as possible:

1. Sampling of wells C-3, C-12, C-13, and C-15 may be discontinued,
2. Sample wells C-8, C-10, and C-19 on a semi-annual basis, and
3. The remaining wells should be sampled quarterly.

Also, continue to analyze for total soluble lead in well C-14.

If you have any questions, please contact me at (510) 567-6762.

eva chu
Hazardous Materials Specialist

cc: files*

Attachments

cc: Eddie So, San Francisco Bay RWQCB, Oakland, CA
Jeanne Price, 213 Del Mesa Carmel, Carmel, CA 93921
Robert Merriken, Mobil Oil, 3225 Gallows Rd., Rm. 2M111, Fairfax, Virginia, 22037
Scott Hooton, BP Oil, Northwest Division, 295 Southwest 41st Street, Renton,
Washington, 98055



Chevron

September 3, 1994

Ms. Eva Chu
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

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

Marketing - Northwest Region
Phone 510 842 9500

Re: Chevron Station # 9-1924, 4904 South Front Street, Livermore, CA
Attached groundwater monitoring reports (GTI; 5/27/94, 8/15/94)

Dear Ms. Chu:

Please find attached reports dated May 27, 1994 and August 15, 1994, which were prepared by Chevron's consultant, Groundwater Technology, Inc. (GTI), to describe the results of groundwater monitoring performed on April 21, 1994 and July 21-22, 1994.

The measured direction of groundwater flow during GTI's April site visit was generally toward the west-northwest. Seventeen of the eighteen site-related wells were sampled and analyzed for the presence of TPHGas and BTEX constituents. Monitoring well C-18 has been paved over and is inaccessible. The measured levels of dissolved hydrocarbons were consistent with data collected during previous site monitoring events.

During the July site monitoring event the measured direction of groundwater flow was again, west-northwesterly. Seventeen of the eighteen wells were sampled and analyzed for TPHGas, BTEX constituents, and total lead. The detected concentrations of dissolved hydrocarbons remained consistent to those detected during previous measurements. Detectable concentrations of total lead were measured at four wells. Except for well C-14, all detections were below the primary MCL for dissolved lead. Figures 2 and 3 in GTI's report are isoconcentration maps depicting the extent of TPHGas and benzene in groundwater. The extent of groundwater contamination is defined except in the vicinity southeast of well C-17. A workplan has been submitted for this reason. Chevron is currently pursuing access to the BP property. Once access has been secured, field work will begin immediately.

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

Sincerely,

Brett L. Hunter
Environmental Engineer
Site Assessment and Remediation

54 SEP -7 PM 4:00
ALCO
HAZMAT

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

StID 2335

May 13, 1994

Mr. Brett Hunter
Chevron USA
P.O. Box 5004
San Ramon, CA 94583-0804

**Subject: Workplan Approval for Chevron Station #9-1924,
4904 S. Front St, Livermore**

Dear Mr. Hunter:

I have completed review of Groundwater Technology, Inc's May 1994 Work Plan for Additional Assessment for the above referenced site. The proposal to install two additional downgradient monitoring wells on the southeast portion of the BP service station is acceptable. Information gathered from this phase of the investigation should be used to develop a Corrective Action Plan to remediate the site, if deemed necessary. Field activities should commence **within 45 days of the date of this letter**. Please notify this office at least 72 hours prior to the start of field work.

Be advised that this office does not issue well permits. Please contact Alameda County Flood Control & Water Conservation, Zone 7, at (510) 484-2600 for more information.

If you have any questions, I can be reached at (510) 271-4530.

Sincerely,

A handwritten signature in cursive script, appearing to read "Eva Chu".

eva chu
Hazardous Materials Specialist

cc: files

chvron1.3

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

StID 2335

May 9, 1994

Mr. Brett Hunter
Chevron USA
P.O. Box 5004
San Ramon, CA 94583-0804

**Subject: Workplan for Monitoring Wells at Chevron Station #9-1924
4904 S. Front St., Livermore**

Dear Mr. Hunter:

I have completed review of Groundwater Technology, Inc's March 1994 Quarter Monitoring Report for the above referenced site. This sampling episode did not include the analysis for total soluble lead, as I had requested in previous correspondence. Please include the analysis for soluble lead in the next sampling event.

In addition, I have not received a workplan for the installation of additional monitoring wells in the vicinity of well C-17 which was due April 29, 1994. Please submit the workplan for this phase of the investigation by **May 26, 1994**.

If you have any question, I can be reached at (510) 271-4530.

Sincerely,

eva chu
Hazardous Materials Specialist

cc: files

chvron1.2

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

StID 2335

May 9, 1994

Mr. Brett Hunter
Chevron USA
P.O. Box 5004
San Ramon, CA 94583-0804

**Subject: Additional Investigation at Chevron Station #9-1924,
4904 South Front St., Livermore, CA 94550**

Dear Mr. Hunter:

I have completed review of the case file, including the recently submitted reports, Recovery System Report-December 1985, Project Update Report-April 1986, Kleinfelder's March 1985 Monitoring Well Installation Report, among others, for the above referenced site. The following concerns and recommendations should be considered in future reports:

1. The latest quarterly monitoring report, QMR, we have is of the sampling event in April 1993. Please submit QMRs for July and October 1993, and January 1994 **within 15 days of the date of this letter**. Future QMRs should be submitted within 45 days of field activities.
2. Include dissolved product isoconcentration maps in future reports.
3. Kleinfelder's March 1985 report was missing figures 2 and 3 of well/boring log K-12.
4. Boring logs show that soil samples were collected every 5', but laboratory analysis of soil samples are missing.
5. Cross sections may help to identify preferential pathways for the transport of contaminants.
6. Soluble lead has not been analyzed in groundwater. The next sampling episode should include analysis for lead.

Also, the contaminant plume south and west of well C-17 has not been fully characterized. Please submit a workplan for this investigation within 45 days of the date of this letter, or by **April 29, 1994**.

If you have any questions, I can be reached at (510) 271-4530.

eva chu
Hazardous Materials Specialist

cc: files (chvron1.1)

StID 2335

May 9, 1994

Mr. Brett Hunter
Chevron USA
P.O. Box 5004
San Ramon, CA 94583-0804

**Subject: Workplan for Monitoring Wells at Chevron Station #9-1924
4904 S. Front St., Livermore**

Dear Mr. Hunter:

I have completed review of Groundwater Technology, Inc's March 1994 Quarter Monitoring Report for the above referenced site. This sampling episode did not include the analysis for total soluble lead, as I had requested in previous correspondence. Please include the analysis for soluble lead in the next sampling event.

In addition, I have not received a workplan for the installation of additional monitoring wells in the vicinity of well C-17 which was due April 29, 1994. Please submit the workplan for this phase of the investigation by **May 26, 1994**.

If you have any question, I can be reached at (510) 271-4530.

Sincerely,

eva chu
Hazardous Materials Specialist

cc: files

chvron1.2

COM No.	REMOTE STATION	START TIME	DURATION	PAGES	RESULT	USER ID	REMARKS
255		09-30 19:32	00'43	01/01	OK		

7480212052

TO: ~~Cathy~~ Gates
Fr: Melame

Cathi - THANK YOU for typing it.
Black

CATHY G.

**LICENSE AGREEMENT BETWEEN
ALAMEDA COUNTY AND
STANISLAUS COUNTY**

This Agreement is made and entered into this _____ day of _____, 199____, by and between Department of Environmental Resources, Stanislaus County, (hereinafter referred to as DER Stanislaus County"), and Department of Environmental Health, Alameda County (hereinafter referred to as "Licensee").

RECITALS

WHEREAS, Licensee desires to contract with DER Stanislaus County to obtain a nonexclusive license to the Software and DER Stanislaus County desires to provide said license to Licensee on the terms and conditions set forth herein.

NOW THEREFORE, in consideration of the mutual covenants, promises and undertakings contained herein, the parties hereto agree as follows:

1. DEFINITION OF TERMS The following definitions of the terms set forth in this section shall apply to this Agreement:

1.1 "Software" means the Department of Environmental Resources Billing and Collection system designed for the Department of Environmental Resources, provided on an "as is" basis. The Software includes machine-readable object code and code, manuals, and...



Chevron

July 20, 1993

Inspector Randy Griffith
City of Livermore Fire Department
4550 East Avenue
Livermore, CA 94550

Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, CA 94583

Marketing Department
Phone 510 842 9500

Re: Chevron Station # 9-1924, 4904 South Front Street, Livermore, CA

Dear Inspector Griffith:

This is to inform you that Chevron has completely removed the groundwater extraction system and air stripping unit that was previously located at PJ BP service station, 4707 First Street, Livermore, CA. On Friday July 16, 1993, Chevron's consultant, Touchstone Developments, removed the downhole pumping system from well RW-1 and the associated air stripping water treatment unit. On Monday, July 19, 1993 Touchstone Developments cemented in place the underground conduit which connected RW-1 to the treatment unit and removed the enclosure fence. All salvageable equipment has been transported to Geraghty & Miller's warehouse in Richmond, CA.

As a result of removing the groundwater treatment system, Chevron will allow the current operating permit issued by the Bay Area Air Quality Management District to expire (8/1/93).

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

Sincerely,

Brett L. Hunter
Environmental Engineer
Site Assessment and Remediation

cc: Scott Seery, Alameda County Environmental Health, Oakland, CA 94621
Eddie So, San Francisco Bay RWQCB, Oakland, CA
Bay Area AQMD, 939 Ellis St., San Francisco, CA 94109 (re: Plant # 4211)
Pyung Jung, PJ BP, 4707 First St., Livermore, CA 94550
Jeanne Price, 213 Del Mesa Carmel, Carmel, CA 93921
Dave Baker, Mobil Oil, 3225 Gallows Rd., Rm. 1W109, Fairfax, Virginia, 22037
Peter DeSantis, BP Oil, Northwest Division, Southcenter Place Bldg., 16400 Southcenter Parkway, Suite 301, Tukwila, Washington, 98188
Bruce Eppler, GTI, West Sacramento, CA
Gary Keyes, Geraghty & Miller, 1050 Marina Way South, Richmond, CA 94804

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

STID 2335

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

December 29, 1992

Mr. Brett Hunter
Chevron U.S.A. Products Company
P.O. Box 5004
San Ramon, CA 94583-0804

RE: CHEVRON STATION #9-1924, 4904 SOUTH FRONT STREET, LIVERMORE

Dear Mr. Hunter:

As we discussed during our telephone conversation today, the Department has reviewed the information submitted under cover dated May 13, 1992 from Mr. Clint Rogers of your office. Mr. Rogers' letter was a timely response to a May 8, 1992 request from this office for supplemental information regarding the operation of the ground water treatment system, among other elements. However, as I explained during our earlier conversation, other questions arose during review of these data.

Review of the February 26, 1991 Burlington Environmental, Inc. ground water pump and treat system performance summary revealed that this system operated for less than 9 months, from March 26 until December 6, 1990, at which point the system was shut down for evaluation. The system was never restarted. Since this time, the treatment system's carbon canisters have been taken for use at another Chevron site.

The ground water treatment system influent vs. first carbon effluent analytic results presented in the referenced report do suggest that, after treatment of the initial contaminant spikes, influent contaminant concentrations remained relatively low for the last 4 months of system operation. These data suggest that comparatively "clean" downgradient water, in addition to contaminated upgradient water, was extracted and introduced into the treatment system.

The apparent sole extraction well is located on the BP Station property downgradient of the subject site. Theoretically, extracting ground water from this well point could exasperate the extent of the problem by "pulling" contaminants away from the Chevron station and towards the BP station. However, in the absence of any performance data for the extraction system itself (e.g., sustainable flow rates, capture zone, etc.), and having been provided no data regarding the extraction well's design, depth, screened interval, among other design parameters, in addition to any information regarding the geologic nature of the affected aquifer, it is difficult to fully understand the site and scope of the work performed to date.

Mr. Brett Hunter
RE: 4904 So. Front Street, Livermore
December 29, 1992
Page 2 of 3

What is clear, however, is the need for Chevron to control the further migration of its plume from the site, at a minimum. Chevron must engineer and install a system capable of meeting this goal. Passive monitoring of contaminant levels is not appropriate for this site as the plume has already migrated off-site, affecting other properties, both private and public.

Further, review of historical ground water gradient data presented since June 1989 reveals south and southwesterly components to the gradient which have not been fully evaluated. As we discussed, such gradient data would strongly suggest the need for additional monitoring points southeast, south and west of well C-17 to fully evaluate the extent of the plume from the Chevron site.

As we also discussed today, latent soil contamination associated with and adjacent to the former underground storage tank (UST) pit may be affecting dissolved contaminant levels monitored in the wells. This is suggested by the "recent" fluctuation of contaminant levels discovered in ground water, particularly in wells C-6, -7 and -14. This is difficult to confirm on this end as we have not been in receipt of any well boring logs, soil sample results from these borings, or the analytical results from samples collected at the time of UST closure in 1985 (?).

As a result of the data gaps outlined in this letter, please submit the following information:

- 1) Reports documenting the installations of wells C-1 through -19, and extraction well(s), including boring logs, well construction diagrams, soil sample results (incl. copies of original lab reports, chain-of-custody forms, etc.), among other numerous elements.
- 2) Free product (FP) removal reports, including total gallons of product recovered, extent of FP plume observed at the time of recovery, etc., etc.
- 3) UST closure report(s), including results of soil/water sample analyses, copies of original lab reports, chain-of-custody forms, etc.
- 4) Copies of aquifer tests and system performance evaluations compiled during the design and operation of the current pump and treat system.

Mr. Brett Hunter
RE: 4904 So. Front Street, Livermore
December 29, 1992
Page 3 of 3

Please submit the requested information in a timely fashion. Upon receipt and review of these data we can discuss an appropriate schedule for the installation of additional wells and the conceptual design of any soil and ground water remediation designs.

Please call me at 510/271-4530 should you have any questions, or to discuss the case.

Sincerely,



Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director
Eddy So, RWQCB
Danielle Stefani, City of Livermore
Gil Jensen, Alameda County District Attorney's Office
Peter Desantis, BP Oil
Ed Howell - files



Chevron U.S.A. Products Company

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

SEP 12 1992

September 11, 1992

Mr. Scott Seery
Alameda County Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Re: Chevron Station # 9-1924, 4904 South Front Street, Livermore, CA

Dear Mr. Seery:

The intent of this letter is to notify you that, effective immediately, I will be assuming all responsibility for the above mentioned project previously held by Mr. Clint B. Rogers.

Until further notice, all future correspondence regarding this project should be directed to:

B. L. (Brett) Hunter
Engineer - Environmental Projects
Chevron U.S.A. Products Company
2410 Camino Ramon, San Ramon, CA
Mail: PO Box 5004 San Ramon, CA 94583-0804
Phone: (510) 842-8695 FAX: (510) 842-9591

I will look forward to meeting you soon.

Respectfully,

Brett L. Hunter

cc: Eddie So, San Francisco Bay RWQCB, Oakland, CA
Jeanne Price, 213 Del Mesa Carmel, Carmel, CA 93921
Jim Grasty, GTI, W. Sacramento, CA
Ed Hoepker, Mobil Oil, 836-B Southampton, Suite 300, Benicia, CA 94510
Peter DeSantis, BP Oil, 2868 Prospect Park Dr., Suite 360, Rancho Cordova, CA 95670



ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

STID 2335

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

May 8, 1992

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

RE: CHEVRON STATION #9-1924, 4904 SOUTH FRONT STREET, LIVERMORE

Dear Mr. Rogers:

The Department has completed review of all documents submitted by Chevron to date which address the environmental investigation at the referenced site. The cited reports span a segment of time from August 1989 to October 1991.

Our review uncovered several fundamental problems regarding the manner in which Chevron has conducted the investigation and reported its results. Please bear in mind that our view is from the perspective of the local implementing agency (LIA) with authority granted to us by the State of California to enforce the statutory and regulatory requirements set forth in the California Health and Safety Code, and Division 3, Chapter 16 of Title 23, California Code of Regulations (CCR). Our authority further embraces that granted the San Francisco Bay Regional Water Quality Control Board (RWQCB) in enforcement of the water quality control plan and policies in effect for this region.

The frequency and duration of ground water monitoring are determined by the RWQCB [LUFT Field Manual]. A reduction in ground water monitoring frequencies must be established with concurrence from the RWQCB [10 AUG 1990, "Tri-Regional Staff Recommendations"]. Quarterly monitoring is typically the maximum sampling interval allowed when ground water contamination is present unless other arrangements are made with the RWQCB ["Tri-Regional Staff Recommendations"]. Chevron has seen fit to institute a reduction in well sampling frequencies from quarterly, to annually and semiannually. Such reduction in frequencies was without benefit of LIA or RWQCB concurrence.

Section 2652(d), 23CCR, requires that, until investigation and cleanup are complete, the owner or operator shall submit reports to the local agency or regional board, whichever is overseeing the cleanup, every 3 months or at more frequent intervals, as specified by the LIA or RWQCB. Chevron has implemented a schedule of semiannual reporting, beginning with reports issued after March 1991, in direct violation of Section 2652(d).

Mr. Clint Rogers

RE: Chevron #9-1924, 4904 So. Front St., Livermore

May 8, 1992

Page 2 of 3

The Department understands that a ground water remediation system has been in place and operating since approximately mid 1990. No treatment system plan is on file. We do not know what kind of system it is. We know of this system only through one or two sentence references to such a system contained in Chevron letters attached to monitoring reports submitted during March, May, and June 1990. The only other evidence is a depiction of a "water treatment system" on Chevron monitoring report maps, showing the system's location at a neighboring BP Oil station.

Since that time, no further reference has been made regarding this treatment system, nor have any of the monitoring reports submitted to date discussed any aspect of its performance or the effect such an extraction system may have on local gradients, distribution of contaminants, etc. Further, we have yet to receive any performance data regarding any beneficial effect of its operation, zone of influence and capture, rate of extraction, gallons treated, etc., etc.

At this time, you are directed to complete the following tasks:

- 1) Wells are to be monitored / sampled **quarterly** until further notice;
- 2) Reports are to be submitted **quarterly** until this case qualifies for closure;
- 3) Submit a treatment ~~system plot plan, mechanical drawings,~~ description of treatment principles, etc. Further, provide ~~system performance data~~ supporting this system's positive effect on the cleanup of contaminated ground water, a schedule for monitoring its performance, and its ability to prevent further migration of contaminants from the Chevron site.

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.

Mr. Clint Rogers
RE: Chevron #9-1924, 4904 So. Front St., Livermore
May 8, 1992
Page 3 of 3

Should you have any questions about the content of this letter,
please call me 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
Eddie So, RWQCB
Howard Hatayama, DTSC
Danielle Stefani, Livermore Fire Department

file

ALAMEDA COUNTY
 WATER RESOURCES CONTROL BOARD
 DIVISION OF WATER QUALITY
 UST CLEANUP PROGRAM
 SITE SPECIFIC QUARTERLY REPORT
 FOR (1 Oct - 31 Dec 91)

CONTRACTOR NO 10000
 SITE NO: 2335
 SITE NAME: Former Chevron # 9-1924
 ADDRESS: 4904 So 4th Front St
 CITY/ZIP: Livermore, CA 94550

SOURCE OF FUNDS (S/F)

SUBSTANCE 8006619
 DATE REPORTED 3/15/88
 DATE CONFIRMED 3/15/88
 MULTIPLE RPs (Y/N)

SITE STATUS

CASE TYPE (U/S/G/D) <u> </u>	CONTRACT STATUS <u> </u>	EMERGENCY RESPONSE <u> </u>
RP SEARCH (S/I/R/) <u> </u>	DATE UNDERWAY <u>10/4/91</u>	DATE COMPLETED <u>12/31/91</u>
PRELIMINARY ASSESSMENT (U/C/) <u> </u>	DATE UNDERWAY <u> </u>	DATE COMPLETED <u> </u>
REMEDIAL INVESTIGATION (U/C/) <u> </u>	DATE UNDERWAY <u> </u>	DATE COMPLETED <u> </u>
REMEDIAL ACTION (U/C/I/) <u> </u>	DATE UNDERWAY <u> </u>	DATE COMPLETED <u> </u>
POST REMEDIAL ACTION MONITORING (Y/N/U/C/) <u> </u>	DATE UNDERWAY <u> </u>	DATE COMPLETED <u> </u>
ENFORCEMENT ACTION TAKEN () <u> </u>	TYPE (1/2/3/4/5/6) <u>(1)</u>	DATE TAKEN <u>12/31/91</u>
LUFT FIELD MANUAL CONSIDERATION (CATEGORY 1, 2, 3 PLUS H, (S) (C) (A) (R) (W) (G) OR 0 AS APPLICABLE)		
CASE CLOSED (Y/R/C/L) <u> </u>	DATE CLOSED <u> </u>	
DATE EXCAVATION STARTED <u> </u>	REMEDIAL ACTIONS TAKEN <u>NT</u>	

RESPONSIBLE PARTY INFORMATION

- | | |
|--|---------------------------------|
| 1. CONTACT NAME <u>Milton H. & Violet G. Fritz</u> | 6. CONTACT NAME <u> </u> |
| COMPANY NAME <u> </u> | COMPANY NAME <u> </u> |
| ADDRESS <u>P.O. Box 7611</u> | ADDRESS <u> </u> |
| CITY/STATE <u>San Francisco, CA 94120</u> | CITY/STATE <u> </u> |
| 2. CONTACT NAME <u>Clint B. Rogers</u> | 7. CONTACT NAME <u> </u> |
| COMPANY NAME <u>Chevron U.S.A. Inc.</u> | COMPANY NAME <u> </u> |
| ADDRESS <u>2410 Camino Ramon</u> | ADDRESS <u> </u> |
| CITY/STATE <u>San Ramon, CA 94583-0804</u> | CITY/STATE <u> </u> |
| 3. CONTACT NAME <u> </u> | 8. CONTACT NAME <u> </u> |
| COMPANY NAME <u> </u> | COMPANY NAME <u> </u> |
| ADDRESS <u> </u> | ADDRESS <u> </u> |
| CITY/STATE <u> </u> | CITY/STATE <u> </u> |
| 4. CONTACT NAME <u> </u> | 9. CONTACT NAME <u> </u> |
| COMPANY NAME <u> </u> | COMPANY NAME <u> </u> |
| ADDRESS <u> </u> | ADDRESS <u> </u> |
| CITY/STATE <u> </u> | CITY/STATE <u> </u> |
| 5. CONTACT NAME <u> </u> | |
| COMPANY NAME <u> </u> | |
| ADDRESS <u> </u> | |
| CITY/STATE <u> </u> | |



Chevron U.S.A. Inc.

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

7/20/89

Marketing Operations

D. Moller
Manager, Operations
S. L. Patterson
Area Manager, Operations
C. G. Trimbach
Manager, Engineering

July 13, 1989

Bay Area Regional Water Quality Control Board
Attn: Ms. Dyan Whyte
1111 Jackson Street
Room 6040
Oakland, CA 94607

RE: CHEVRON QUARTERLY SUMMARY REPORTS

Dear Ms. Whyte:

Attached are Chevron's quarterly summary reports for the second quarter of 1989. If you have any questions on the specific sites, please call the engineer listed on the summary report. Attachment A is a phone list for our underground fuel leak contacts.

The status of the investigation and remediation in the attached quarterly summary reports is a judgement based on the data available at the time of report preparation and is true to the best of our knowledge.

I declare under penalty of perjury that the information contained in the attached reports is true and correct and that any recommended actions are appropriate under the circumstances, to the best of my knowledge.

Very truly yours,


C.G. Trimbach

HCH:jmX468
Attachments

c: Attached list of local implementing agencies

County: ALAMEDA
Engineer: G.J.DAVITT

Chevron facility # 91924 4904 SO FRONT ST
LIVERMORE, CA

Investigation status

Soil status: DEFINITION COMPLETE
Free hydrocarbon status: DEFINITION COMPLETE
Dissolved hydrocarbon status: DEFINITION COMPLETE
Investigation released: 06/01/88
Next consultant report due: *Latest consultant report received: 02/21/89
Last report submitted to agency:
Investigation complete:

Remediation status

Soil status: NOT APPLICABLE
Free hydrocarbon status: DESIGN/PERMITTING
Dissolved hydrocarbon status: DESIGN/PERMITTING
Type of recovery system: PMP & TRT
Remedial action plan due from consultant: 02/15/89 *
Construction of clean-up system started:
Clean-up system start-up:

Groundwater monitoring

Monitoring frequency: QUARTERLY
Next report due from consultant: 06/01/89 *
Latest report received from consultant:
Last report submitted to agency:

Next action: WAITING FOR AIR PERMIT TO START RECOVERY SYSTEM -

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

report name: ERPTQUAL

County: ALAMEDA
Engineer: G.J.DAVITT

7/20/89

Chevron facility # 91924

4904 SO FRONT ST
LIVERMORE CA

Investigation status

Soil status:DEFINITION COMPLETE
Free hydrocarbon status:DEFINITION COMPLETE
Dissolved hydrocarbon status:DEFINITION COMPLETE
Investigation released:06/01/88
Next consultant report due: *
Latest consultant report received:02/21/89
Last report submitted to agency:
Investigation complete:

Remediation status

Soil status:NOT APPLICABLE
Free hydrocarbon status:DESIGN/PERMITTING
Dissolved hydrocarbon status:DESIGN/PERMITTING
Type of recovery system:PMP & TRT
Remedial action plan due from consultant: 02/15/89 *
Construction of clean-up system started:
Clean-up system start-up:

Groundwater monitoring

Monitoring frequency:QUARTERLY
Next report due from consultant:09/01/89 *
Latest report received from consultant:05/02/89
Last report submitted to agency:

Next action: WAITING FOR AIR PERMIT TO START RECOVERY SYSTEM -

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

report name: ERPTQUAL

4904 FRONT

1. Deposit Refund
2. @ Onyxue (losses by — to unsteel treatment system

3.

Clint Rogers 842-8658 (Cherem pay mgr.)

BP site is where current treatment system is ~~located~~ located. This will have to be moved because BP will be undergoing site reconstruction. Clint Rogers in negotiation w/ BP - more info needs to be sent.