

Chan, Barney, Env. Health

To: Karen Streich (E-mail)
Cc: Drogos, Donna, Env. Health
Subject: Work plan for 609 Oak St., Oakland 94607, RO0000038

Dear Ms. Streich:

I have received and reviewed your October 23, 2003 fax memorializing our conference call of this morning. The specified changes to the original work plan ie adding two additional boring locations, one near former location of DVSP-5 and one near former boring HA-4, analyzing soil and groundwater from each of the 4 borings, analyzing a sample from ~11' in DVSP-5 instead of 10', and evaluating utility potential for preferential pathways based upon the historical high and low groundwater elevations, are acceptable. You may proceed with this investigation. Please keep our office informed as to when the work will be performed.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist
Alameda County Environmental Health
510-567-6765

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

February 26, 2004

Ms. Karen Streich
Chevron-Texaco
P.O. Box 6012
San Ramon, CA 94583-2324

Dear Ms. Streich:

Subject: Fuel Leak Case RO0000038, Chevron #9-4587, 609 Oak St., Oakland, CA 94607

Alameda County Environmental Health (ACEH) has received concurrence with the closure request for the subject site from the SFRWQCB. Prior to issuing a closure letter, we request that the remaining eight (8) wells at this site be properly decommissioned. Once our office receives your well decommission report, we can issue a closure letter.

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C. B. Chan, D. Drogos

Mr. Aldo Guidotti, #1 Bates Blvd., Orinda, CA 94563

Ms. Victoria Debenedetti, 8520 Pardee Dr., Oakland, CA 94621

Mr. Scott MacLeod, Cambria Environmental, 5900 Hollis St., Suite A, Emeryville, CA 94608

W1clrq609OakSt

Environmental Management
Company
6001 Bollinger Canyon Rd, L4050
P.O. Box 6012
San Ramon, CA 94583-2324
Tel 925-842-1589
Fax 925-842-8370

Karen Streich
Project Manager

October 23, 2003

ChevronTexaco

Mr. Barney Chan
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Former Chevron Service Station 9-4587
609 Oak St, Oakland
Fuel Leak Case RO0000038

Dear Barney,

Thanks to you and Donna Drogos for taking the time to talk to Bob Foss of Cambria and me this morning about the October 8, 2003 work plan we sent to you in response to your letter of September 4, 2003. We appreciated the opportunity to make sure that this last field effort will address all outstanding concerns you have prior to site closure.

As we discussed, this letter will outline the changes in the work plan and the work plan itself will not be revised. We will implement the following changes to the work plan:

- In addition to the two sample locations proposed, we will add two additional sample locations: one near former sample location DVSP-5 and one near former sample location HA-4. Attached is a revised site map showing all four proposed sample locations.
- Soil sample depths will remain 3, 6, and 10 ft for all sample locations except the location near DVSP-5. At the DVSP-5 location, soil samples will be collected at 3, 6, and 11 ft below ground surface. Soil samples will be collected even if the water table is higher than 10 ft.
- Grab groundwater samples will be collected at all four sample locations.
- Soil and groundwater samples will be analyzed for TPHg by modified EPA Method 8015 and benzene, toluene, ethylbenzene, xylenes, and MTBE by EPA Method 8260B, the same analytical suite proposed in the original work plan.
- We will use a Geoprobe to collect the samples rather than hand augering because of the additional locations and the addition of the groundwater samples.
- The utility investigation will evaluate historical high and low groundwater elevations, not just average groundwater depth.

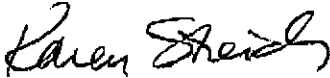
Please provide me with email or a fax to approve our proceeding with this work. Since you said you would be able to approve very quickly, we will begin calling contractors today and try to schedule equipment for this work as soon as possible.

October 23, 2003

Page 2

Thank you again for your attention to this site. Please call me if you have any questions at 925-842-1589.

Sincerely,



Karen Streich
Project Manager

Copy to:

Bob Foss, Cambria Environmental, 5900 Hollis St, Suite A, Emeryville, CA 94608
Mr. Aldo Guidotti, #1 Bates Blvd, Orinda, CA 94563
Ms. Victoria Debenedetti, 8520 Pardee Dr, Oakland, CA 94621

Environmental Management
Company
6001 Bollinger Canyon Rd, L4050
P.O. Box 6012
San Ramon, CA 94583-2324
Tel 925-842-1589
Fax 925-842-8370

Karen Streich
Project Manager

Re: closed note

October 23, 2003

ChevronTexaco

Mr. Barney Chan
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Alameda County

OCT 27 2003

Environmental Health

Re: Former Chevron Service Station 9-4587
609 Oak St, Oakland
Fuel Leak Case RO0000038

Dear Barney,

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October 23, 2003

Page 2

Thank you again for your attention to this site. Please call me if you have any questions at 925-842-1589.

Sincerely,

A handwritten signature in cursive script that reads "Karen Streich".

Karen Streich
Project Manager

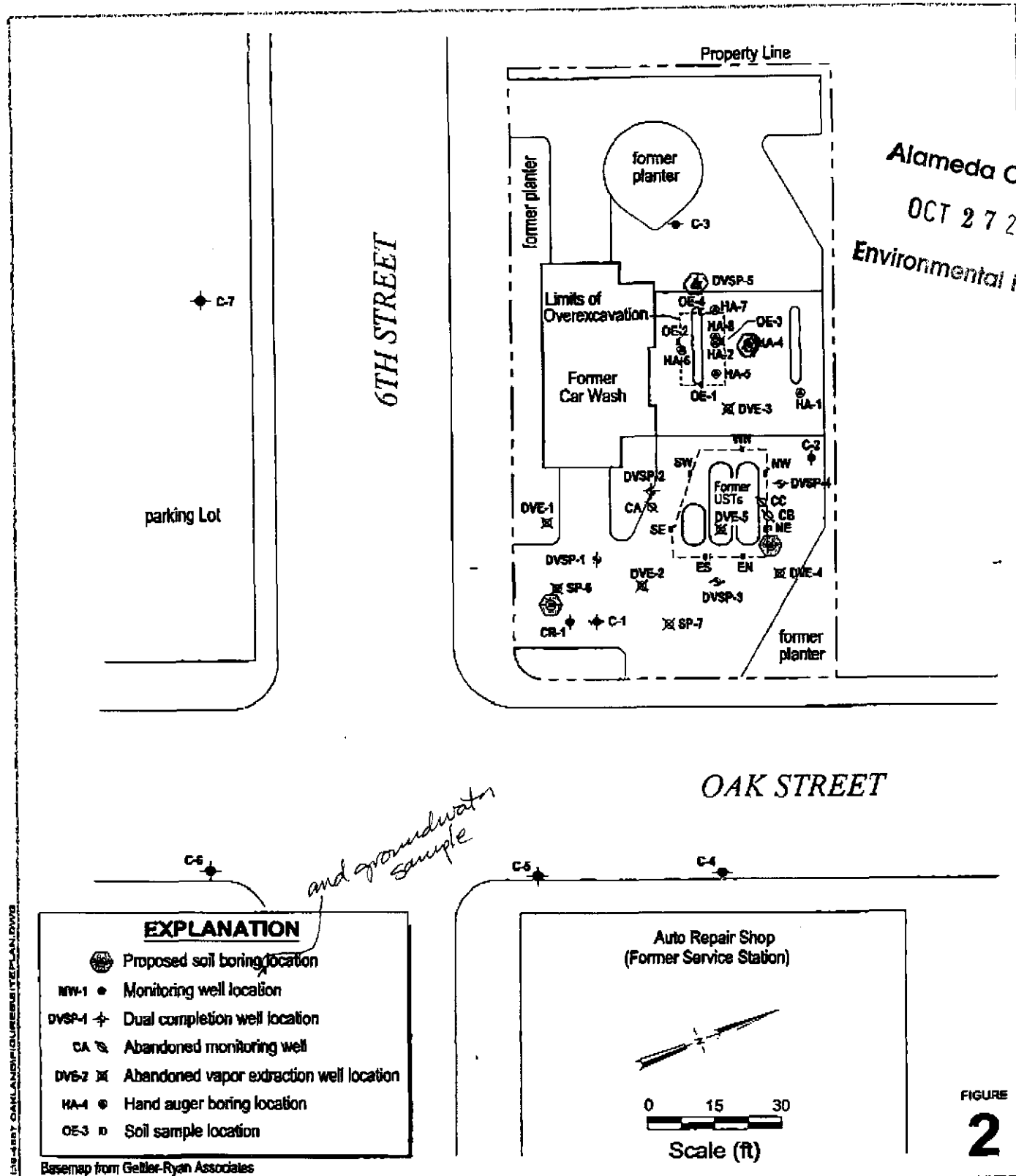
Copy to:

Bob Foss, Cambria Environmental, 5900 Hollis St, Suite A, Emeryville, CA 94608

Mr. Aldo Guidotti, #1 Bates Blvd, Orinda, CA 94563

Ms. Victoria Debenedetti, 8520 Pardee Dr, Oakland, CA 94621

10/21/03



Alameda County
 OCT 27 2003
 Environmental Health

Former Chevron Station 9-4587

609 Oak Street
Oakland, California



C A M B R I A

Site Plan with Proposed
Soil Boring Locations

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

September 4, 2003

Ms. Karen Streich
Chevron-Texaco
6001 Bollinger Canyon Rd., Bld L 4050
P.O. Box 6012
San Ramon, CA 94583-2324

Dear Ms. Streich:

Subject: Fuel Leak Case RO0000038, Former Chevron Station #9-4587, 609 Oak St.,
Oakland, CA 94607

Alameda County Environmental Health, Local Oversight Program (LOP) staff, has reviewed the case for the subject site and has determined that additional information is necessary to progress to case closure. Please address the following technical comments and submit the technical report requested below.

Technical Comments

1. Post remediation soil sampling has not been performed at all potential residual spots exceeding either proposed or listed risk based or environmental screening levels. You should evaluate all pre-remediation soil sample results to determine the specific depth and location of confirmation samples.
2. Our office does not concur with the evaluation of the potential preferential pathways through utilities provided in the Delta Environmental August 25, 2003 response letter. First, the locations and depths of utilities down-gradient of the site were never identified. Second, the lack of liquid phase or dissolved phase hydrocarbons in off-site wells could mean that contamination is localized and has been remediated or that the monitoring network is flawed. In any event, should soil sampling confirm that residual contamination is below screening levels, these questions may be considered mute and you may recommend site closure.

Technical Report Request

Please submit the technical report according to the following schedule.

- October 3, 2003- Work plan for confirmation soil sampling and analysis in areas of potential exceed of environmental screening levels.

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, D. Drogos

Mr. Aldo Guidotti, #1 Bates Blvd., Orinda, CA 94563

Ms. Victoria Debenedetti, 8520 Pardee Dr., Oakland, CA 94621

Mr. J. Brownell, Delta Environmental, 3164 Gold Camp Dr., Suite 200, Rancho Cordova, CA 95679

SSwp 609 Oak St

Alameda County

JUN 11 2003

Environmental Health

R038



Solving environment-related business problems worldwide
www.deltaenv.com

3164 Gold Camp Drive • Suite 200
Rancho Cordova, California 95679 USA
916.638.2085 800.477.7411
Fax 916.638.8385

June 4, 2003

Mr. Barney Chan
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-9335

Subject: *Response to Email Regarding Closure Questions,*
Dated May 8, 2003
Former Chevron Service Station No. 9-4587
609 Oak Street, Oakland, California 94607
Delta Project No. DG94-587

Dear Mr. Chan:

Delta Environmental Consultants, Inc. (Delta) has been authorized by Chevron Products Company (Chevron) to prepare a response to your questions expressed in your May 8, 2003 e-mail, included in Enclosure A. We have addressed each of your three questions below.

- 1) Notification of an unauthorized release was filed on March 8, 1987. The Spill/Leak Reporting Form, dated March 8, 1987, is presented in Enclosure B.
- 2) We have not located a report documenting a conduit study for the subject site. However, the results of long-term, off-site groundwater monitoring and sampling show it is unlikely that offsite migration of liquid-phase petroleum hydrocarbons have occurred. Furthermore, these results show that offsite migration of dissolved-phase petroleum hydrocarbons have not been significant. The four off-site groundwater monitoring wells C4 through C7 (Attachment C, Figure 1) were installed in 1989 (C4 through C6) and 1991 (C7). All are located down-gradient, two placed strategically in the right-of-way for both Oak Street and two in the right-of-way for 6th Street. **Any migration of LPH in conduits would have been toward one or both of these streets.** Furthermore, such migration would likely have been a source for dissolved-phase impacts approaching concentrations similar to the onsite wells. No such impacts occurred in the strategically configured off-site groundwater monitoring well network. The groundwater monitoring measurements and sample laboratory analyses results compiled by Gettler-Ryan Inc. are presented in Enclosure D.

A member of:



Mr. Barney Chan
Alameda County Health Care Services
June 4, 2003

- 3) The residual concentrations of benzene in soil has been compared to the Site-Specific Target Level (SSTL) developed by TERRA VAC in their report titled *Risk Assessment & Threshold Limits*, dated August 20, 1997. The SSTL for benzene was established at 4.1 milligrams per kilogram (mg/kg). In follow-up conversations with Alameda County, we discussed the need to tabulate laboratory chemical analyses results on historic soil samples collected at the site. Delta compiled two tables presented in Enclosure E. Table 1 presents the soil sample analyses results on samples collected before active in-situ remediation was performed at the site. Table 2 presents the results of samples collected after active in-situ remediation.

The results exceeding the benzene SSTL prior to active in-situ remediation are plotted on Figure 2, presented in Enclosure C. The figure shows that concentrations of benzene over 4.1 mg/kg were detected beneath the former south fuel dispenser, the northeast corner of the former underground fuel tank pit, and in the groundwater "smear zone" at the southeast portion of the site. As can be seen in the figure, the vapor extraction wells, groundwater extraction well, dual completion wells, and air sparging wells were placed in close proximity to all of these locations.

As a result of active remediation, groundwater quality in the onsite monitoring wells improved dramatically (wells C1, C2, and C3, Gettler-Ryan table, Enclosure D). However, apparently due to relatively high concentrations of petroleum hydrocarbons observed beneath the inner dispenser island in 1987, it was necessary to confirm the effectiveness of remediation at that location. On June 12, 1997, TERRA VAC advanced two hand auger borings and collected soil samples for laboratory chemical analyses. The results of the laboratory analyses are tabulated on Table 2, Enclosure E. A sample collected beneath the former south island at 5 feet below the ground surface had a concentration of benzene that exceeded the SSTL (23 mg/kg HA-2). In September of 2002, Delta advanced 5 hand auger borings and collected soil samples to characterize the extent of soil exceeding the benzene SSTL. The results are also presented in Table 2, Enclosure E. A sample collected beneath the former south island at 7 1/2 feet below the ground surface had a concentration of benzene that exceeded the SSTL (5.9 mg/kg HA-6). The locations of samples that exceeded the benzene SSTL after active in-situ remediation are shown on Figure 3, presented in Enclosure C. On January 29, 2003, Delta observed the over-excavation of the south dispenser island area. Four soil samples were collected after the excavation was completed. The extent of the excavation and location of the soil samples are shown on Figure 4, Enclosure C. The laboratory chemical analyses results, presented in Table 2, Enclosure E, were all below the SSTL for benzene.

Remediation of the benzene concentration detected in the soil samples collected prior to active in-situ remediation from the boring for air sparge well SP-6 was addressed in Delta's letter to Alameda County, dated April 22, 2003. As presented in that letter, implementation of the dual vapor extraction and air sparging system in September 1995 significantly decreased the benzene and TPHg concentrations in groundwater samples collected from wells C-1 and CR-1. The same rationale is valid for the pre-active in-situ remediation samples collected from remediation wells DVSP-5 and DVSP-1, and tank pit sample NE. Sample NE was collected within 10 to 20 feet of four remediation wells (Figure 2, Enclosure C).

The interpretations contained in this document represent our professional opinions, and are based in part, on information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeology and engineering practices at this time and location. Other than this, no warranty is implied or intended.

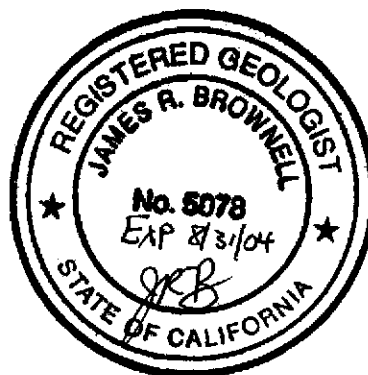
Mr. Barney Chan
Alameda County Health Care Services
June 4, 2003

If you have any questions concerning this project, please contact me at (916) 638-2765.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

James R. Brownell
James R. Brownell, R.G.
Project Manager
California Registered Geologist No. 5078



JRB (LRP005.9-4587 May 8 Closure Questions)
Enclosures

Cc: Ms. Karen Streich – Chevron Products Company
Mr. Chuck Headlee – San Francisco Bay Regional Water Quality Control Board
Mr. A. Guidotti, #1 Bates Boulevard, Orinda, CA 94563

Chan, Barney, Env. Health

From: Chan, Barney, Env. Health
Sent: Tuesday, May 13, 2003 9:45 AM
To: 'jbrownell@deltaenv.com'
Subject: RE: 609 Oak St., Oakland 94587, Closure questions

Jim: Thank you for the info, however, I would request that you provide further clarification for items 2&3, along with a signed, stamped cover letter with your statement. I could not find a conduit study, perhaps one was already done and not in our file, however, given the former presence of free product and dissolved product on site, it is necessary to confirm that utilities did not act as a preferential migration pathway. The excavation likely may have removed all soil concentrations above RBSLs, however, you should tabulate the previous soil data and verify that this is the case. In some instances you will have to use the fact that remediation wells were located near the sampling points as you did with the SB6 boring.

give me a call if you want to discuss this request. 510-567-6765

Sincerely,

Barney Chan

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

From: jbrownell@deltaenv.com [mailto:jbrownell@deltaenv.com]
Sent: Monday, May 12, 2003 5:10 PM
To: BChan@co.alameda.ca.us
Subject: RE: 609 Oak St., Oakland 94587, Closure questions

Barney,

- 1) I have attached a copy of a URL dated March 19, 1987.
- 2) I don't know that a report specific to conduits was done, but it is apparent that conduits were a consideration during the extensive investigation work performed.
- 3) I think the purpose of the excavation work completed last year was to remove remaining contamination so that a risk closure was no longer required.

Thanks,
 Jim

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

From: Chan, Barney, Env. Health [mailto:BChan@co.alameda.ca.us]
Sent: Thursday, May 08, 2003 10:31 AM
To: 'Jim Brownell' (E-mail)
Subject: 609 Oak St., Oakland 94607, Closure questions

Jim: I got a couple of comments/questions after the closure request was submitted for review. They were the following:

- was an ULR ever filed for the release?
- was a conduit study ever done? utilities, et al
- the RBCA risk assessment done previously 8/2/97 evaluated the site based upon a commercial site use, would you like to evaluate the site based on residential use? I thought Chevron did not want any restriction on site use.

Thanks

Barney M. Chan
Hazardous Materials Specialist
Alameda County Environmental Health
510-567-6765

ENCLOSURE A

Copy of May 8, 2003
E-mail from Alameda County Health Care Services

From: Chan, Barney, Env. Health [BChan@co.alameda.ca.us]
Sent: Thursday, May 08, 2003 10:31 AM
To: 'Jim Brownell' (E-mail)
Subject: 609 Oak St., Oakland 94607, Closure questions

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Thanks
Barney M. Chan
Hazardous Materials Specialist
Alameda County Environmental Health
510-567-6765

2038

From: jbrownell@deltaenv.com
Sent: Monday, April 28, 2003 12:39 PM
To: BChan@co.alarmeda.ca.us
Cc: stka@chevrontexaco.com
Subject: 609 Oak St., former Chevron 9-4587



LRP004.9-4587
Re-Concern of Pe...

Hello Barney,

I am writing to follow up on our request for Closure of this case. I have taken over the Delta management of the project because Mike Berrington no longer works for us.

On March 26 you sent Mike an e-mail regarding concentrations of TPHg and BTEX in a soil sample collected within the capillary fringe at the site on December 20, 1995. You asked how we can justify this sample not needing additional investigation. Mike and I prepared a letter presenting our justification. I mailed the letter to you last week while you were on vacation. I have attached a PDF copy of that letter to this e-mail.

Our letter documents significant remediation events that occurred after the soil sample was collected. The sample was collected from the boring for air sparge well SP6. This well became part of a dual vapor extraction and air sparging system. Data from wells located very close to SP6 (12 to 17 feet) show that by August of 1998, TPHg and BTEX concentrations in groundwater were reduced by 5 orders of magnitude in this area.

We believe that additional investigations will not be necessary given this very strong evidence, as well as the other evidence available showing that petroleum hydrocarbon concentrations in site soil and groundwater have been removed to appropriate levels.

I am requesting that you review our letter and complete the closure process as soon as possible because the various interested parties, including the site developers and an adjacent land owner are very concerned about resolution of the environmental issues.

Thank you for your consideration. Please give me a call at (916) 638-2765 if you have any questions or concerns.
Jim Brownell

<<LRP004.9-4587 Re-Concern of Petro Hydro in Soil from SP6.pdf>>

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3164 Gold Camp Drive • Suite 200
Rancho Cordova, California 95670 USA

916.638.2085 800.477.7411
Fax 916.638.8385

April 22, 2003

Mr. Barney Chan
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-9335

Subject: *Response to Email Regarding Concern of Petroleum Hydrocarbon Concentration
Reported in Soil Sample from SP6*
Former Chevron Service Station No. 9-4587
609 Oak Street
Oakland, California
Delta Project No. DG94-587

Dear Mr. Chan:

Delta Environmental Consultants, Inc. (Delta) has been authorized by Chevron Products Company (Chevron) to prepare a response to your concern about the concentration of petroleum hydrocarbon constituents reported in a soil sample collected with a geoprobe in December 1995 at the above-referenced site. Your concern was expressed in your March 26, 2003 e-mail included in Enclosure A.

The soil sample was collected by Terra Vac on December 20, 1995 from the soil boring for air sparging well SP6 prior to the initiation of remediation. It was collected at 9.7 feet bsg and contained total petroleum hydrocarbons as gasoline (TPHg) at 11,000 milligrams per kilogram (mg/kg) and benzene, toluene, ethylbenzene and xylenes (BTEX) at 160, 1,300, 300, and 1,600 mg/kg, respectively. A deeper sample collected from SP6 at 14.7 feet bsg contained significantly reduced concentrations of TPHg (4.4 mg/kg) and BTEX (0.81, 0.22, 0.24, and 0.56 mg/kg, respectively). Review of Terra Vac's boring log for SP6 indicates that the lithology encountered in the boring consisted of silt (ML) to approximately 9 feet bsg and fine sand with up to 20 to 25 percent silt and up to 15 percent clay to the total depth drilled (27 feet bsg). First groundwater was reportedly encountered at 10 feet bsg. Copies of the soil boring log and table summarizing the soil sample analytical results for SP6 are included in Enclosure B.

As you are aware, from December 1993 to January 1995, Geraughty & Miller, Inc., installed and operated a groundwater extraction and treatment system, and extracted and treated approximately 460,000 gallons of water from well CR-1. Initial influent groundwater concentrations were reported at 110,000 µg/L TPHg and decreased to 9,900 µg/L at the end of operations. From September 1995 to January 1996, Terra Vac operated a dual vacuum extraction and sparging system at the site. Terra Vac reported initial hydrocarbon extraction rates up to 200 pounds per day declined to two pounds per day at the end of DVE operations. Terra Vac reported that air sparging continued after January 1996, and that the vapor extraction wells, air sparging wells and dual completion wells were properly abandoned between 1997 and 1998.

A member of:
The logo for Inogen Environmental Alliance features a stylized four-pointed star or cross shape. To the right of this graphic, the word "Inogen" is written in a bold, sans-serif font. Below "Inogen", the words "Environmental Alliance" are written in a smaller, sans-serif font.

Review of groundwater analytical data for the two monitoring wells (C-1 and CR-1) located nearest to air sparge well SP6 indicates that prior to remediation in June 1995, wells C-1 and CR-1 had TPHg concentrations of 220,000 and 49,000 $\mu\text{g/L}$, respectively and benzene concentrations of 11,000 and 9,400 $\mu\text{g/L}$, respectively. Following implementation of the dual vapor extraction and air sparging system in September 1995, significant decreases of benzene and TPHg concentrations in groundwater in wells C-1 and CR-1 were observed. By August 1998, the benzene concentrations in C-1 and CR-1 had decreased to 3.5 and 4.1 $\mu\text{g/L}$, respectively; and the TPHg concentrations had decreased to 120 and 110 $\mu\text{g/L}$, respectively. Since August 1998, the benzene and TPHg concentrations in the groundwater samples collected from wells C-1 and CR-1 have been below the laboratory's reporting limits for benzene and TPHg (0.5 $\mu\text{g/L}$ for benzene and 50 $\mu\text{g/L}$ for TPHg) during each of the sampling events, with the exception of benzene in C-1 at 0.58 $\mu\text{g/L}$ on September 10, 2001, and TPHg in CR-1 at 56.6 $\mu\text{g/L}$ on March 13, 2001. A copy of Gettler Ryan's (Chevron's current consultant performing groundwater monitoring) table summarizing groundwater monitoring and analytical data for wells C-1 and CR-1 since December 6, 1989 is included in Enclosure C.

According to Terra Vac's map (Enclosure B) wells C-1 and CR-1 were located approximately 12 and 17 feet, respectively from former air sparge well SP6 and dual completion vapor extraction/sparge well DVSP-1 and vapor extraction well DVE-1 were located approximately 17 and 22 feet, respectively from air sparge well SP6. It is Delta's opinion that the benzene concentration observed at 9.7 feet in SP6 has been significantly reduced, the risk to human health is low and additional assessment is not warranted. We base our opinion on the following: The lithology (sand) reported in the boring logs for wells C-1, CR-1, SP6, DVE-1 and DVSP-1, the close proximity of SP6 to the other remediation wells, the fact that air sparging was performed in well SP6, and the significant reduction of petroleum hydrocarbon concentrations observed in the groundwater samples collected from wells C-1 and CR-1, without any rebound following shutdown of the remediation system.

Remarks/Signatures

The interpretations contained in this document represent our professional opinions, and are based in part, on information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeological and engineering practices at this time and location. Other than this, no warranty is implied or intended.

If you have any questions regarding this project, please contact Mike Berrington at (916) 536-2616.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

James R. Brownell
James R. Brownell, R.G.
Unit Manager
California Registered Geologist No. 5078



JRB (LRP004.9-4587 Re-Concern of Petro Hydro in Soil from SP6)
Enclosures

cc: Ms. Karen Streich – Chevron Products Company
Mr. Chuck Headlee – San Francisco Bay Regional Water Quality Control Board
Mr. A. Guidotti, #1 Bates Boulevard, Orinda, CA 94563

GUIDOTTI AND LEE

A PARTNERSHIP INCLUDING A PROFESSIONAL CORPORATION

ALDO P. GUIDOTTI, INC.
CHARLES A. LEE

ATTORNEYS AT LAW
ONE BATES BOULEVARD, SUITE 300
ORINDA, CALIFORNIA 94563
TELEPHONE (925) 254-3450
FAX (925) 254-6411

RAYMOND E. MELLANA
RETIRED

March 12, 2003

Alameda County
MAR 14 2003
Environmental Health

URGENT REQUEST

Ms. Donna Drogos, Supervisor
Alameda County Health Services
1131 Harbor Bay Parkway
Alameda, CA 94502-9335

Re: Former Chevron Service Station No. 9-4587
609 Oak Street
Oakland, California
Delta Project No. DG94-587

Dear Ms. Drogos:

This office represents the Bargiacchi family, which has been the owner of the above site for many years.

Chevron operated a service station as a company store for 15 years and by a franchisee for an additional six years until 1994 when Chevron removed the underground tanks and commenced removing contamination from the leaking tanks. In 1997, after substantial remediation and installation of ground wells, a risk assessment and request for closure was made, and Chevron advised that the site could be developed for commercial use, subject to sampling of the wells for a period of two years.

The 1998, the family negotiated a long-term lease for a Burger King Restaurant on the site subject to the lessee confirming the premises were free of contamination. The lessee hired a consultant who questioned the condition of the soil where the pumps were located and required a closure permit which Chevron was unable to obtain and this business opportunity was lost.

During the past four years, the Bargiacchi Family has been unable to lease or sell the property without a closure permit from the county and have received no income whatever from the property. They recently received a binding letter of intent to lease the property for \$4,500.00 per month for the first year, \$5,000.00 per month for the second year, \$5,500.00 per month for the third year, and \$6,000.00 per month for the fourth to tenth year, and a 10% increase every ten years thereafter.

Unless the family receives a closure permit without delay, they cannot proceed with this development of their property.

March 12, 2003
Page Two


Alameda County
MAR 14 2003
Environmental Health

It is respectfully requested that you consider this matter urgent so that the family will not suffer further loss of use of their property.

Sincerely yours,

GUIDOTTI and LEE

BY


ALDO P. GUIDOTTI

APG:m

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

August 13, 2002

Ms. Karen Streich
Chevron Products Company
6001 Bollinger Canyon Rd., Bld. L 4050
Room 4050 P.O. Box 6004
San Ramon, CA 94583

Dear Ms. Streich:

Subject: Fuel Leak Case No. RO0000038, Former Chevron Service Station No. 9-4587
609 Oak St., Oakland, CA 94607

Alameda County Environmental Health, Local Oversight Program (LOP), has received and reviewed the August 9, 2002 *Work Plan for Hand Auger Soil Borings and Limited Overexcavation* for the referenced site prepared by Delta Environmental Consultants, Inc. This work plan addresses my prior November 28, 2001 request for additional investigation at this site. The work plan proposes the advancement of five hand auger soil borings, four centered around boring HA-2 which previously identified elevated benzene. The fifth will be near the location of former boring HA-2. Soil samples from several depths (2.5', 5' & 7.5') will be screened for potential analysis from each boring. A deeper sample from 10' is also proposed for the center boring. Our office approves this work plan with the following conditions:

- A minimum of one sample should be analyzed from the four surrounding borings to confirm the extent of contamination.
- A minimum of two soil samples should be analyzed from the center boring, since this is the general location of the former elevated sample. All samples should be run for TPHg, BTEX and MTBE. Any MTBE detected by Method 8021 should be confirmed using Method 8260.
- As noted, limited excavation is recommended if residual benzene remains above the SSTL previously determined. Natural attenuation may have already reduced levels below this level.
- Please insure that the other oxygenates, TAME, ETBE, DIPE and TBA plus EDB and EDC have been analyzed in groundwater. If they have not, please analyze a groundwater sample from well C-1.
- Please notify our office when this work is scheduled.

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C. B. Chan, files

Mr. A. Guidotti, #1 Bates Boulevard, Orinda, CA 94563

Mr. M. Berrington, Delta Environmental Consultants, 3164 Gold Camp Dr., Suite 200,
Rancho Cordova, CA 95670-6021

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

February 26, 2002
StID 4037/RO0000038

Chevron Products Co.
Mr. Thomas Bauhs
P.O. Box 6004
San Ramon, CA 94583

Re: Former Chevron Service Station #9-4587, 609 Oak St., CA 94607

Dear Mr. Bauhs:

Our office wrote you in a February 26, 2002 letter requesting a response to address residual benzene contamination in soil at the referenced site (copy enclosed). This information was necessary before we could proceed with site closure. As of this date, our office has not received a reply.

Please respond with a written proposal and time schedule for its implementation, **within 30 days or no later than March 26, 2002.**

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

✓ Enclosure

C: B. Chan, files

Mr. M. Berrington, Delta Environmental Consultants, 3164 Gold Camp Drive,
Suite 200, Rancho Cordova, CA 95670-6021

Mr. A. Guidotti, #1 Bates Blvd., Orinda, CA 94563

2ndReq609OakSt



Delta
Environmental
Consultants, Inc.

NOV 01 2001

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

October 29, 2001

Ms. Victoria Debenedetti
8520 Pardee Drive
Oakland, California 94621

Subject: Fee Title Holder Notification of Regulatory Closure of
Former Chevron Service Station #9-4587,
609 Oak Street (also referred to as 116 6th St.), Oakland, California
Delta Project No.: Dg94-587

APN
001-0173-009-00

Dear Ms. Debenedetti:

At the request of Alameda County Health Care Services (ACHCS), and on behalf of Chevron Products Company (Chevron), Delta Environmental Consultants, Inc. (Delta) is notifying the recorded fee title holder that ACHCS is in the process of issuing a "No Further Action" letter for the above referenced site. This letter is associated with environmental investigations performed by Chevron and their consultants at the direction of ACHCS. If you have any questions please call me at (916) 536-2616. ✓

Sincerely,
Delta Environmental Consultants, Inc.

Michael A. Berrington, R.G.
Project Manager

MAB (CL002.9-4587)

Cc: Mr. Tom Bauhs, Chevron Product Company
Mr. Barney Chan, ACHCS
Mr. Aldo Guidotti, #1 Bates Blvd., Orinda, CA 94563



Delta
Environmental
Consultants, Inc.

3164 Gold Camp Drive, Suite 200
Rancho Cordova, California
Phone: (916) 536-2616
Fax: (916) 638-8385

FAX TRANSMITTAL

DATE: October 25, 2001

RECIPIENT: Mr. Barney Chan

COMPANY: Alameda Co. Health Dept.

RECIPIENT FAX NO: (510) 337-9335

SENDER: Mike Berrington

cc:

NO. OF PAGES TO FOLLOW: 3

SUBJECT: Monitoring Well Logs for C-1 thru C-3

Chevron 9-4587

606 Oak St. Oakland, CA.

DELTA PROJECT NO: DG94-587

MESSAGE:

Barney,

Ben Heningburg in my office relayed the message that you had called today requesting well construction details for wells C-1 through C-3. Attached please find the boring logs for monitoring wells C-1 thru C-3. This is all I could find for these wells; no specific well construction details were located in the file. Since these wells were installed in 1983, maybe this is the way they did it back then??

In regards to the Fee Title Holders information, could you please call me so that I understand what exactly it is that you need?

If you any questions regarding this matter, please do not hesitate to call me at (916) 536-2616

Sincerely,

Mike Berrington, R.G.
Project Manager



Delta
Environmental
Consultants, Inc.

September 6, 2001

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

Suzanne Gold

~~916-638-1400~~

SEP 10 2001

Mr. Kanjibhai Patel
Mr. Revaben Patel
Former Chevron Service Station #9-4587
50 6th Street
Oakland, California 94607

Subject: Fee Title Holder Notification of Regulatory Closure of
Former Chevron Service Station #9-4587,
609 Oak Street, Oakland, California

Dear Sirs:

At the request of Alameda County Health Care Services (ACHCS), and on behalf of Chevron Products Company (Chevron), Delta Environmental Consultants, Inc. (Delta) is notifying the recorded fee title holder that ACHCS is in the process of issuing a "No Further Action" letter for the above referenced site. This letter is associated with environmental investigations performed by Chevron and their consultants at the direction of ACHCS. If you have any questions please call our Rancho Cordova office at (916) 638-2085.

Sincerely,
Delta Environmental Consultants, Inc.

Todd A. Del Frate
Project Manager

Cc: Mr. Tom Bauhs, Chevron Product Company
Mr. Barney Chan, ACHCS
Mr. Aldo Guidotti, #1 Bates Blvd., Orinda, CA 94563

925-254-3450

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

August 14, 2001
StID # 4037/RO0000038

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

**SUBJECT: INTENT TO MAKE A DETERMINATION THAT NO FURTHER ACTION IS REQUIRED
OR ISSUE A CLOSURE LETTER FOR FORMER CHEVRON STATION, 609 OAK ST., OAKLAND
CA 94607**

Dear Mr. Bauhs:

This letter is to inform you that Alameda County Environmental Protection (LOP) intends to make a determination that no further action is required at the above site or to issue a closure letter. Please notify this agency of any input and recommendations you may have on these proposed actions within 20 days of the date of this letter.

In accordance with section 25297.15 of Ch. 6.7 of the Health & Safety Code, you must provide certification to the local agency that all of the current record fee title owners have been informed of the proposed action. You may use the enclosed Example letter #3 as a guide. Please provide this certification to this office within 20 days of the date of this letter.

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

Sincerely,

A handwritten signature in cursive script that reads "Barney M. Chan".

Barney M. Chan
Hazardous Materials Specialist

Enclosure (sample letter #3)

✓c: B.Chan,files

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

Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

SUBJECT: NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY (FOR NAME AND ADDRESS OF SUBJECT SITE)

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

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

Sincerely,

Signature of primary responsible party

Name of primary responsible party

cc: Names and addresses of all record fee title owners



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

March 12, 2001

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

Gettler Ryan
(916)-631-1300
x18

Subject: *Second Semi-Annual Event of August 25, 2000,
Groundwater Monitoring and Sampling Report
Chevron Service Station No. 9-4587
609 Oak Street
Oakland, California
Delta Project No. DG94-587*

Dear Mr. Seto:

Attached for your review and comment is a letter report entitled *Second Semi-Annual Event of August 25, 2000, Groundwater Monitoring and Sampling Report* for the above referenced site. This report was prepared by Delta Environmental Consultants, Inc. / Gettler-Ryan, Inc and details the results of the August 2000 groundwater monitoring and sampling event.

During the first half of 2001, the Risk Management Plan for this site will be evaluated.

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

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Jim Brownell
Jim Brownell
Portfolio Manager

*M. Berrington Delta
(916)-536-2616*

JRB (2nd Semi-annual 2000 QMR-9-0517.doc)
Enclosures

cc: w/o enclosure Ben Heningburg - Delta Environmental Consultants, Inc.

SALVAMENTO



Winston H. Hickox
*Secretary for
Environmental
Protection*

State Water Resources Control Board

Division of Clean Water Programs

2014 T Street • Sacramento, California 95814 • (916) 227-4336
Mailing Address: P.O. Box 944212 • Sacramento, California • 94244-2120
FAX (916) 227-4530 • Internet Address: <http://www.swrcb.ca.gov/~cwphome/ustcf>



Gray Davis
Governor

FAX TRANSMITTAL

DATE: March 23, 2000

TO: [Thomas Peacock]

FAX Number: [510-337-9335]

FROM: Sylvia Shorter

UST CLEANUP FUND PROGRAM

FAX #: (916) 227-4530

PHONE #: (916) 227-4336

NUMBER OF PAGES (including this page): [Number of Pages]

For your review and comment. Would you please verify if this site has received closure?
Thank you.

California Environmental Protection Agency



Recycled Paper



State Water Resources Control Board



Winston H. Hickox
Secretary for
Environmental
Protection

Division of Clean Water Programs
2014 T Street • Sacramento, California 95814 • (916) 227-4336
Mailing Address: P.O. Box 944212 • Sacramento, California • 94244-2120
FAX (916) 227-4530 • Internet Address: <http://www.swrcb.ca.gov/~cwphome/ustcf>

Gray Davis
Governor

4037
LS

MR. THOMAS PEACOCK
ALAMEDA COUNTY EHD
1131 HARBOR BAY PKWAY, 2ND FL.
ALAMEDA, CA 94502-6577

**UNDERGROUND STORAGE TANK CLEANUP FUND (FUND) REQUESTS
CONFIRMATION OF SITE CLOSURE FOR CLAIM NO. 005942 AT SITE ADDRESS: 609
OAK ST, OAKLAND**

The Fund is processing this claim for closure — CHEVRON U.S.A. PRODUCTS CO. at site address 609 OAK ST, OAKLAND.

However, we must confirm the site has received final closure from the oversight agency before we can complete our file closure. Please send a facsimile or mail a copy of the site closure letter OR complete the following information and facsimile to my attention.

The above referenced site met our UST corrective action standards and closure was granted on _____.

NO, this site has not yet met our closure standards.

SIGNED: *[Signature]* **DATE:** 3-28-2000
TITLE: Site Haz Mat Spec.

Your assistance is appreciated. If you have any questions, please call me at (916) 227-4336.

Sincerely,

Sylvia Shorter
Sylvia Shorter
Closure Unit
Underground Storage Tank Cleanup Fund Program

California Environmental Protection Agency



TRANSMIT REPORT

2000.03-28 09:26
510 337 9335
ALAMEDA CO EHS HAZ-OPS

COM No.	REMOTE STATION	START TIME	DURATION	PAGES	RESULT	USER ID	REMARKS
882	915 227 4530	03-28 09:25	00' 45	02/02	OK		

7499402045

Alameda County Environmental Health

1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
Telephone (510) 567-6700 FAX (510) 337-9335

FACSIMILE COVER SHEET

TO: Sylvia Shorter

FROM: Larry Seto

DATE: 3-28-2000

Total number of pages including cover sheet 2

-NOTES-

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

December 14, 1999

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

Mr. Brett Hunter
Chevron U.S.A.
P.O. Box 6004
San Ramon, CA 94583-0904

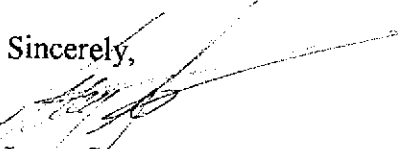
RE: Groundwater Monitoring Reports

Dear Mr. Hunter:

This letter is to confirm our telephone conversation today that future groundwater monitoring reports will include Chevron's interpretation (summary) of the data. In addition, if Chevron feels additional subsurface investigation is warranted, it should also be mentioned.

If you have any questions, please contact me at (510) 567-6774.

Sincerely,


Larry Seto
Sr. Hazardous Materials Specialist

Cc: Files

ENVIRONMENTAL
PROTECTION

99 JUN 14 PM 3:50



Chevron

June 10, 1999

Mr. Larry Seto
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

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

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

**Re: Former Chevron Service Station # 9-4587
609 Oak Street
Oakland, California**

Dear Mr. Seto:

Enclosed is a copy of the First Quarter Groundwater Monitoring Report for 1999, prepared by our consultant Blaine Tech Services, Inc. for the above noted site. Ground water samples were collected and analyzed for TPH-g, BTEX and MtBE constituents.

As part of the Residual Management Plan (RMP) on this site (approved 10/27/97), the sampling schedule is as follows: semi-annually monitoring for the next two years for wells C-1, C-2, C-5 and CR-1; and annual monitoring for the next three years for wells C-3, C-4, C-6 and C-7. The semi-annually event will be conducted in the 1st and 3rd quarters, while the annual event will be conducted in the 1st quarter. The wells sampled annually are monitored for groundwater depth in the semi-annual event.

After two years, if the groundwater from the on-site wells contains less than 720 ppb of benzene and the groundwater from the off-site well has less than 100 ppb of benzene the site can be re-evaluated for closure.

All of the constituents were below method detection limits in monitoring wells C-1, C-2, C-3, C-4, C-5, C-6 and C-7. In well CR-1 the TPH-g and BTEX constituents were below method detection limits, with MtBE detected at 2.9 ppb.

The concentration of benzene in the on-site wells was <0.5-ppb, which is significantly below the 720-ppb threshold limit noted above. The off-site concentration of benzene was <0.5 ppb, well below the 100-ppb threshold limit.

June 10, 1999
Mr. Larry Seto
Former Chevron Service Station #9-4587
Page 2

Depth to ground water varied from 6.19 feet to 8.12 feet below grade with a direction of flow southeasterly.

Chevron will continue to monitor the site in accordance to the sampling frequency noted above. If you have any questions or comments, call me at (925) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY



Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

Cc. Ms. Bette Owen, Chevron

Ms. Ann Payne, Chevron, ChvPrk V-1156

Mr. Dewey Bargiacchi
The Paris Company
8520 Pardee
Oakland, CA 94621

Mr. James M. Kimberlin
1100 Howe Avenue Apt. #421
Sacramento, CA 95825-3436

Mr. William Kimberlin
51 Eureka Street
Kensington, CA 94707



STID # 4037

State Water Resources Control Board



LS

Winston H. Hickox
Secretary for
Environmental
Protection

Division of Clean Water Programs
2014 T Street • Sacramento, California 95814 • (916) 227-4539
Mailing Address: P.O. Box 944212 • Sacramento, California • 94244-2120
FAX (916) 227-4530 • Internet Address: <http://www.swrcb.ca.gov/~cwphome/ustcf>

Gray Davis
Governor

STID 4037

MAR 23 1999

Bob Cochran
Chevron U.S.A. Products Co.
P O Box 6004 Bldg L
San Ramon, CA 94583-0804

UNDERGROUND STORAGE TANK CLEANUP FUND, CLAIM NO. 005942, FOR SITE ADDRESS:
609 OAK ST, OAKLAND 94607

The State Water Resources Control Board (State Board) is able to issue, pursuant to applicable regulations, the enclosed Letter of Commitment (LOC) in an amount not to exceed \$355,500. This LOC is based upon our review of the corrective action costs you reported to have incurred to date. The LOC may be modified by the State Board.

It is very important that you read the terms and conditions listed in the enclosed LOC. Claims filed with the Underground Storage Tank Cleanup Fund far exceed the funding available and it is very important that you make use of the funding that has been committed to your cleanup in a timely manner.

You are reminded that you must comply with all regulatory agency time schedules and requirements and you must obtain three bids for any required corrective action. Only corrective action costs *required* by the regulatory agency to protect human health, safety and the environment can be claimed for reimbursement. **Unless waived in writing, you are required to obtain preapproval of costs for all future corrective action work (form enclosed).** If you have any questions on obtaining preapproval of your costs or the three bid requirement, please call Mark Owens, our Technical Reviewer assigned to claims in your Region, at (916) 227-7883. Failure to obtain preapproval of your future costs may result in the costs not being reimbursed.

The following documents needed to submit your reimbursement request are enclosed:

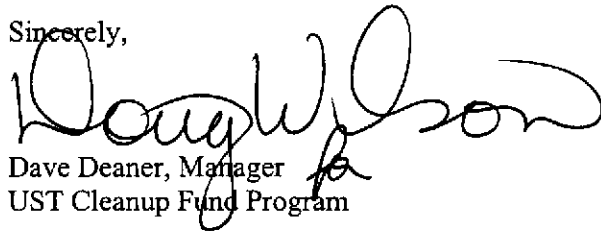
- "Reimbursement Request Instructions" package. **Retain this package for future reimbursement requests.** These instructions must be followed when seeking reimbursement for corrective action costs incurred after January 1, 1988. Included in the instruction package are samples of completed reimbursement request forms and spreadsheets.
- "Bid Summary Sheet" to list information on bids received which **must be completed and returned.**
- "Reimbursement Request" forms which you **must use to request reimbursement of costs incurred.**
- "Spreadsheet" forms which you **must use in conjunction with your reimbursement request.**

THIS IS IMPORTANT TO YOU, PLEASE NOTE:

You have 90 calendar days from the date of this letter to submit your first reimbursement request for incurred corrective action costs. **NO EXTENSIONS CAN BE GRANTED.** If you fail to do so, your LOC funds will automatically be reduced to zero (deobligated). Once this occurs, any future funds for this site are subject to availability when you submit your first reimbursement request. We continuously review the status of all active claims. You must continue to remain in compliance and submit a reimbursement request every 6 months. Failure to do so will result in the Fund taking steps to withdraw your LOC.

If you have any questions regarding the enclosed documents, please contact Anna Torres at (916) 227-4388.

Sincerely,



Dave Deaner, Manager
UST Cleanup Fund Program

Enclosures

cc: Mr. Steve Morse
RWQCB, Region 2
1515 Clay Street, Ste. 1400
Oakland, CA 94612

Mr. Thomas Peacock
Alameda County EHD
1131 Harbor Bay Pkway, 2nd Fl.
Alameda, CA 94502-6577



ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



February 3, 1998

ENVIRONMENTAL HEALTH SERVICES

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

Mr. Phil Briggs
Chevron U.S.A. Products Company
P.O. Box 6004
San Ramon, CA 94583-0904
STID 4037

RE: Chevron, 609 Oak Street, Oakland, CA 94607

Dear Mr. Briggs:

In my letter dated October 27, 1997, I inadvertently omitted the monitoring schedule for monitoring wells C-3, C-4, C-6 and C-7. These wells should be monitored on an annual basis.

If you have any questions, please contact me at (510) 567-6774.

Sincerely,



Larry Seto
Sr. Hazardous Materials Specialist

Cc: Files

**Underground Storage Tank Cleanup Fund
DETAILED REVIEW CHECKLIST**

Claim No.: <i>3942</i>	Claimant Name: <i>Chevron USA Products</i>
Region: <i>2</i> Priority Assigned: <i>D</i>	Site Name: <i>Station # 94587</i>
Date Reviewed: <i>11-12-97</i>	Site Address: <i>609 Oak St., Oakland</i>
Reviewer: <i>Cheryl Gordon</i>	Lead Agency: <i>Alameda Health Agency</i>

STATEMENT	VERIFICATION	N/A	YES	NO
Claimant Owner/Operator of UST	<i>Done</i>		<input checked="" type="checkbox"/>	
Tax Identification Provided			<input checked="" type="checkbox"/>	

STATEMENT	VERIFICATION	N/A	YES	NO
Valid Third Party Claim		<input checked="" type="checkbox"/>		

STATEMENT	VERIFICATION	N/A	YES	NO
Joint Claimant Owner/Operator of UST		<input checked="" type="checkbox"/>		
Tax Identification Provided		<input checked="" type="checkbox"/>		

STATEMENT	VERIFICATION	N/A	YES	NO
Financial Agreement Provided		<input checked="" type="checkbox"/>		
Tax Identification Provided		<input checked="" type="checkbox"/>		

SITE/TANK/TANK DESCRIPTION	VERIFICATION	N/A	YES	NO
Tank Description, Tank Use	<i>5 USTs Retail Sale</i>		<input checked="" type="checkbox"/>	
Tank Substance	<i>gasoline, diesel, waste oil</i>		<input checked="" type="checkbox"/>	
Site Map Provided				
Current Owner/Operator Identified				
Date Site/Tanks Acquired	<i>1973 per app</i>		<input checked="" type="checkbox"/>	
Acquired After 1/1/84/Reasonable Diligence		<input checked="" type="checkbox"/>		
Past Owner/Operator Identified		<input checked="" type="checkbox"/>		
Other Claims For This Site Submitted	<i>per dupskeep database</i>			<input checked="" type="checkbox"/>

ELIGIBILITY REQUIREMENTS	VERIFICATION	N/A	YES	NO
Unauthorized Release				
Release Reported/Confirmed	<i>cl ltr to County</i>		<input checked="" type="checkbox"/>	
Date Release Discovered Confirmed	<i>HEF</i>		<input checked="" type="checkbox"/>	
Corrective Action Required			<input checked="" type="checkbox"/>	
Release Eligible (not a spill, overfill, etc)		<input checked="" type="checkbox"/>		
Corrective Action				
Release Prior to 1/1/88, CA Initiated by 6/30/88		<input checked="" type="checkbox"/>		
Corrective Action in Compliance			<input checked="" type="checkbox"/>	
Permit				
Permit Requirements Met by 1/1/90	<i>10K</i>		<input checked="" type="checkbox"/>	
Permit Waiver Being Requested		<input checked="" type="checkbox"/>		
Permit Waiver Granted		<input checked="" type="checkbox"/>		
Financial Responsibility				
Claimant in Compliance			<input checked="" type="checkbox"/>	

STATEMENTS	VERIFICATION	N/A	YES	NO
Lawsuit, Insurance Claim, Settlement				
Date Filed - Date Completed				
Amount Received				

STATEMENTS	VERIFICATION	N/A	YES	NO
Original Signature(s)			<input checked="" type="checkbox"/>	
Authorized Representative Statement				
Joint Claimant Signature(s)				

LED REVIEW CHECKLIST

3

5942

Claim No.:

~~5450~~

Claimant Name:

Chevron

DATE	ACTION/RESPONSE
3/87	11/87 were received
9/87	Consultant ltr to County: Scheduled to perform a soil vapor survey
4/90	Workplan rec'd by County
4/90	County requested a deposit of \$663.00 before workplan would be reviewed.
5/90	County rec'd deposit.
11/90	Well Installation Report
1/91	Interim Remediation Report
3/91	Site Update
5/91	" "
9/91	" "
12/91	Otaly BW Mon. Report
4/92	" " " "
7/92	Site placed in LOP
8/92	Otaly BW Mon. Report - Free product
9/92	Groundwater Remediation Workplan
9/92	County responded to workplan: An aquifer test is not recommended prior to installation of treatment system. Data regarding aquifer pump rates, drawdown, and radius of influence is required prior to design. Requested an amended workplan.
10/92	Client ltr to County: Client disagreed
11/92	Otaly BW Mon. Report

Continued on Reverse

CONFIRMATION OF CORRECTIVE ACTION COMPLIANCE

Claimant in Corrective Action Compliance

Claimant NOT in Corrective Action Compliance at the Time of this Review - 90 Day Letter Required

Claimant NOT in Corrective Action Compliance - Recommend Rejection

LEAD AGENCY SIGNATURE

Cheryl Gordon

CLAIMS REVIEWER SIGNATURE

DATE

1-7-98

1/6/98

DATE

Claim No.: 5942	Claimant Name: Chevron
-----------------	------------------------

COMPLIANCE DOCUMENTATION (Continued)

DATE	ACTION/RESPONSE
3/93	Status Report on Implementation of GW Remediation Workplan dated 2/93.
5/93	Ataly GW Mon. Report
8/93	" " " " - GW Extraction System has been installed.
11/93	Ataly GW Mon. Report. GW Extraction System will begin operation 11/5/93.
12/93	System Startup Report
3/94	Ataly GW Mon. Report - Removal of USTs is scheduled for 5/16/94
7/94	Ataly GW Mon. Report - Removal of USTs rescheduled for Fall 1994.
9/94	Ataly GW Mon. Report
10/94	UST Closure Plan
10/94	USTs pulled
11/94	Ataly GW Mon. Report
11/94	Junk Removal & Excavation Report
1/95	County rec'd a 1983 Report documenting installation of C-1, C-2 & C-3
5/95	Addendum Remediation Workplan - Dual Vacuum Extraction an sparging remediation.
6/95	County approved workplan with conditions.
7/95	Consultant concurred with conditions/clarifications.
8/95	Ataly GW Mon. Report
8/95	Pulling Report
11/95	System Start-Up Report
11/95	Ataly GW Mon. Report
12/95	Project Status Report
1/96	Ataly GW Mon. Report
2/96	Project Status Report
4/96	Interim Soil Boring Installation Report
4/96	Ataly GW Mon. Report
7/96	County ltr to client: Ataly Reports & Project Status updates are overdue.
7/96	Quarterly Reports submitted & Status Reports



Chevron

October 31, 1997

Mr. Dewey Bargiacchi ✓
The Paris Company
8520 Pardee
Oakland, CA 94621

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

Marketing - Sales West
Phone 510 842-9500

Mr. James M. Kimberlin
1100 Howe Avenue, Apt. #421
Sacramento, CA 95825-3436

Mr. William Kimberlin
51 Eureka Street
Kensington, CA 94707

**Re: Former Chevron Service Station # 9-4587
609 Oak Street
Oakland, California**

Dear Gentlemen:

This is to advise all concerned that Alameda County Health Care Services has approved the Risk Management Plan (RMP) that had been submitted by our consultant Terra Vac. A copy of the letter from the ACHCS case worker is enclosed for your files.

The site is developable for commercial use with the only requirement, to continue to monitor the site for the next two years. If at the end of this time, the concentrations in the wells do not exceed certain control limits, the site will be considered for closure.

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

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

October 31, 1997

Mr. Dewey Bargiacchi
Mr. James M. Kimberlin
Mr. William Kimberlin

Enclosure

cc. Ms. Bette Owen, Chevron

Mr. J. N. Robbins, Chevron, ChvPrk V-1156

Mr. Larry Seto
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577 (Less copy of letter)

8/8/07

Spoke to Tony Dahl-

① Change 150 ppm
to 125 & take
the average again

② Submit new tables

③ Use ^{new} average
do RBIA, not
USEPA



VAC

1651 Alvarado Street, San Leandro, CA 94577-2636
Tel (510) 351-8900 □ Fax (510) 351-0221

ENVIRONMENTAL
PROTECTION
97 JUL 14 4:09 PM

1st
Updates
to RA

July 14, 1997

Ms. Madhulla Logan
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Way Parkway, Suite 250
Alameda, CA 94502-6577

Subject: Hand Augered Vadose Zone Samples
Former Chevron Service Station #9-4587
609 Oak Street
Oakland, CA

Dear Ms. Logan:

On June 12, 1997, Terra Vac hand augered at two locations at the above site to obtain additional vadose zone soil samples. A two inch auger was used to core down and obtain samples in brass sleeves at five and seven feet below grade at the locations noted on the attached site map. A photoionization detector (PID) calibrated to 100 ppm isobutylene was used to monitor ambient conditions and to obtain readings in the borehole. Both locations were as per agreement with Jennifer Eberle of Alameda County Health Care Services.

Location 1 was located 16 feet north of DVE-3, between the fuel islands and C-2. All PID readings associated with the borehole and samples never exceeded background concentrations. The hand auger was advanced to 5 feet below grade. A 2x4 inch brass sample sleeve was placed in a collection fitting and driven with a slide hammer to obtain the sample. The sleeve was then recovered, the ends covered with teflon and a plastic cap, then sealed with tape. The sample was labelled as HA-1-5 and placed in a cooler with blue ice. Hand augering continued to 7 feet, where another sample was obtained and labelled as HA-1-7. Before moving to the next location, the collection tool was washed with a low phosphate detergent and rinsed with distilled water.

Location 2 was 15 feet west of DVE-3, in the middle of the southernmost pump island, at the approximate location of a line leak that resulted in a high concentration of TPH and benzene in soil samples collected in 1987. PID readings, as measured in the hole, were at background for the first three feet. At three to four feet, readings in the hole increased to 1000 ppm, while remaining at background levels in the breathing zone.



The odor was of very weathered gasoline. Conditions remained the same at five feet, where a sample (HA-2-5) was obtained. At six feet, PID readings in the hole dropped to 200 ppm. At seven feet, where another sample (HA-2-7) was collected, the soil became sandier, darker and moister than the silt encountered above.

All samples were submitted to Sequoia Laboratories for TPHg and BTEX analysis. Results were below detection limits for all compounds at the first location, closest to residences. The samples taken from the area of the 1987 line leak indicated 23 ppm benzene at 5 feet and 2.1 ppm benzene at seven feet. The composite from five and seven feet at this location in 1987 was 150 ppm benzene versus an average of 12.5 ppm for the current samples, so natural attenuation has substantially reduced the residual.

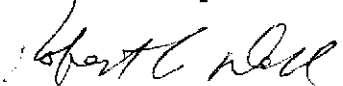
23
2.1
12
11.5

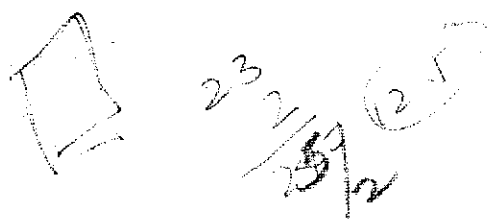
Also attached is a volatilization model to indoor air, utilized to calculate the risk that would be associated with the residual maximum benzene concentration of 23 ppm. The formulae are taken from the *USEPA Risk Assessment Guidance for Superfund Volume 1 Human Health Evaluation Manual (Part A)*. The parameters used are for a commercial case with a 30x30 foot building, a 6-inch foundation, 14 feet in height (standard drop ceiling), and a very conservative air exchange rate of 20 liters/day. The risk is calculated to be 3.74×10^{-7} , below 1 in 1,000,000 with the maximum benzene concentration. As in other commonly used models, soil concentrations are assumed to be constant over the entire time period, with no biodegradation taken into consideration either at the source nor between the source and the receptor.

A revised Table 2 for management plan threshold limits at the site is included that utilizes the site specific target levels generated by GSI-RBCA software that is protective of human health from onsite inhalation potential from hydrocarbon impacted groundwater. An average of 420 ppb benzene in groundwater samples from the listed onsite wells of C-1, C-2 and CR-1 would require notification to Alameda County, resampling and, if initial results are confirmed, a reevaluation of site conditions and further activities.

If you have any questions or comments, please call me at (510) 351-8900.

Sincerely,
Terra Vac Corporation


Robert A. Dahl
Project Manager



cc: Phil Briggs, Chevron
Jennifer Eberle, ACHCS
30-0219.10





FAX

We're gaining new ground.

Date: 7/9/97

Number of pages including cover sheet: 2

To: Madhulla Logan

Phone: _____

Fax phone: 337-9335

CC: _____

From: Tony Dell

SAN LEANDRO OFFICE

1651 ALVARADO STREET

SAN LEANDRO, CA 94577

Phone: (510) 351-8900

Fax phone: (510) 351-0221

REMARKS: Urgent For your review Reply ASAP Please comment

I hate to beg but my scheduling is going to be
really messed up if the drilling slips

Wanting for
change 4 yrs to 5 yrs which is based
on converting 25 yrs - to 8 hr exposure
duration

TERRA VAC

July 9, 1997

Madhulla Logan
Alameda County Department of Health Services
FAX

Subject: Interim Remediation Plan
Chevron Station 9-0260
21995 Foothill Boulevard
Hayward, California

Dear Madhulla:

A copy of the above plan was sent to you, in addition to the copy sent to Hugh Murphy at the Hayward Fire Department for approval. Hugh has approved the plan, based on the approach that the goals set are interim goals and not final cleanup goals. He defers to you regarding any risk based goals to be utilized. The interim goals set are intended to clean up the source area to a level protective of human health while evaluating cleanup progress and the necessity for system augmentation during operations to achieve those goals. The interim goals are based on site specific target levels, as promulgated by the GSI RBCA software. If those goals are met, we hope to show that natural attenuation will continue to decrease hydrocarbon levels eventually to non-detect, but that would be outlined in a final plan.

Due to the presence of the low permeability soils located above the sands in which the groundwater travels, it is unlikely that volatilization poses any risk. To verify, Chevron has had a vapor survey conducted, showing that no health risk is present. Interim goals are developed from a very conservative model and serve to establish target levels in the source area, even though no risk is apparent.

Before we continue with the work on this site, it is critical that Chevron receives something in writing from Alameda County stating that this approach has been approved. As I tried to make clear to Hugh, this is an interim action, without stating final cleanup goals. Based on Hugh's acceptance, I had drilling scheduled for Monday of next week but without your written concurrence, Chevron does not want to move forward. Unless you have a significant objection/concern, I would really appreciate a quick response (sometime before 2 pm Thursday) so I can try to hold to schedule.

Thanks-

Tom Dall





Chevron

July 23, 1996

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

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: Former Chevron Service Station # 9-4587
609 Oak Street
Oakland, California**

Dear Ms. Eberle:

Enclosed is a copy of the Project Status Report for April 1996, prepared by our consultant Terra Vac, summarizing the operation of the sparging system at the above noted site. **The sparging system continues to operate as outlined in the work plan for the site.** Based on your letter of July 8, 1996, you have received all previous Project Status Reports. I have not received any additional reports from Terra Vac.

As per your letter of July 8, 1996, I am in agreement to meeting with you and our consultant to discuss the progress and effectiveness of the remediation system and what future actions should be taken at this site. As per our conversation of July 22, I will confirm the date of the meeting with Chevrons's consultant and then advise you.

If you have any questions or comments call me at (510) 842-9136

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

cc. Ms. Bette Owen, Chevron
Mr. J. N. Robbins, Chevron
Ms. Beth D. Castleberry
Gray, Cary, Ware & Freidenrich
400 Hamilton Avenue
Palo Alto, CA 94301-1825

ENVIRONMENTAL
PROTECTION

96 JUL 24 PM 3:24



July 23, 1996

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

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

Marketing Department
Phone 510 842 9500

**Re: Former Chevron Service Station # 9-4587
609 Oak Street
Oakland, California**

Dear Ms. Eberle:


Enclosed are copies of the First and Second Quarter Groundwater Monitoring Reports for 1996, prepared by our consultant Blaine Tech Services, Inc. for the above noted site. I apologize for the delay in submittal of the First Quarter Report and future reports will be submitted in a reasonable time after receipt from the consultant. Ground water samples were collected and analyzed for TPH-g, BTEX and MTBE constituents.

The First Quarter Report samples were collected after the DVE system was shut down and the results showed, that the benzene constituents in monitoring wells C-1 and CR-1 declined from the previous monitoring period. Concentrations of benzene for C-1 went from 180ppb to 22ppb and for CR-1 the concentrations went from 880ppb to 2.6ppb. All the other wells sampled, were non detect for the constituent of benzene. Depth to ground water varied from 6.1 feet to 9.4 feet below grade with a direction of flow to the Southeast. **Monitoring well C-2 was not sampled, as it did not have sufficient water to collect a sample. Silting of the well appeared to have caused this problem.**

The Second Quarter Report covers the period that the sparging system was in operation. **The consultant was unable to sample monitoring wells C-1 and C-2, due to insufficient water to collect a sample; which was caused by silt build up in the well. I have discussed this problem with Blaine Tech, and they will flush/pump the wells to remove the silt, prior to the next sampling event.** The concentration of benzene increased slightly to 38ppb in CR-1, while all the other wells sampled were non detect for benzene. Depth to ground water varied from 5.6 feet to 9.0 feet below grade with a direction of flow to the Southeast.

From the results of this sampling, **it appears that the DVE system had been effective in removing significant levels of petroleum hydrocarbons constituents from the site.** The sparging system appears to be positively effecting the remediation of the site. Chevron will continue to monitor the site quarterly. If you have any questions or comments, call me at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY


Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

Ms. Jennifer Eberle
July 23, 1996
Former Chevron Service Station # 9-4587
Page 2

cc. Ms. Bette Owen, Chevron

Mr. J. N. Robbins, Chevron

Ms. Beth D. Castleberry
Gray, Cary, Ware & Freidenrich
400 Hamilton Avenue
Palo Alto, CA 94301-1825

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



Alameda County CC4580
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda CA 94502-6577

July 8, 1996
STID 4037

Phil Briggs
Chevron USA Inc.
PO Box 5004
San Ramon CA 94583-0804

RE: former Chevron Service Station 9-4587, 609 Oak St., Oakland CA 94607

Dear Mr. Briggs,

Since my last letter to Chevron (Mark Miller), dated 8/17/95, the following documents have been received in this office:

- 1) "2nd Quarter 1995 Monitoring at 9-4587" report, prepared by Blaine Tech Services (BTS), dated 7/24/95, under cover letter from Chevron dated 8/16/95;
- 2) "Drilling Report," prepared by Terra Vac (TV), dated 8/30/95, under cover letter from Chevron dated 9/28/95;
- 3) "System Startup Report," prepared by TV, dated 10/20/95, under cover letter from Chevron dated 11/18/95;
- 4) fax from Chevron, dated 12/12/95, with Project Status update for December 1995;
- 5) fax from TV, dated 12/18/95, with letter from TV dated 12/18/95;
- 6) "3rd Quarter 1995 Monitoring at 9-4587" report, prepared by BTS, dated 10/17/95, under cover letter from Chevron dated 11/18/95;
- 7) letter from TV dated 12/18/95 (original);
- 8) Project Status updates for January 1996, February 1996 and March 1996;
- 9) "4th Quarter 1995 Monitoring at 9-4587" report, prepared by BTS, dated 1/18/96, under cover letter from Chevron dated 1/29/96; and
- 10) "Interim Soil Boring Installation Report," prepared by TV, dated 2/28/96.

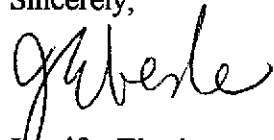
July 8, 1996
STID 4037
Phil Briggs
page 2 of 2

This letter is being written to notify you of the correspondence received, and to notify you that the quarterly reports and Project Status updates are overdue. As per a telecon with your consultant Mark Frye today, he indicated that the last quarterly monitoring event occurred in late June. Mr. Frye also indicated that the June 1996 event represents the first sampling event since the DVE system ceased and air sparging operated as the only remediation method employed at the site.

Mr. Frye also indicated that he had submitted monthly Project Status updates to you through May, and he thought you would be arranging a meeting with me for June to discuss the progress of the remediation systems employed by Terra Vac. This was to be an informal meeting to discuss the future of this site, prior to presenting a formal report. I think is a good idea, and would give me a chance to meet the both of you in person for the first time. It would be best schedule the meeting for late July, when we are sure to have the results of the 2nd quarter.

Please contact me directly at 510-567-6761 so that we may arrange a meeting. I look forward to hearing from you soon.

Sincerely,



Jennifer Eberle
Hazardous Materials Specialist

cc: Mark Frye, Terra Vac, 14798 Wicks Blvd., San Leandro CA 94577
Acting Chief/file

je.4037-D



1651 Alvarado Street, San Leandro, CA 94577-2636
 Tel (510) 351-8900 □ Fax (510) 351-0221

PROJECT STATUS

April 1996
 Chevron 9-4587
 609 Oak Street
 Oakland, California

Project Status

- o Sparging system operating and delivering approximately 35 scfm compressed air via seven operating sparge wells.

Work Planned for April 1996

- o Continued operation of sparging system.

Work Planned for Second Quarter 1996

- o Continued operation of sparging system.

Handwritten calculations:

$$45 \times 45 \times 85 = 17,212.5 \text{ ft}^3$$

$1.7 \times 10^4 \times 17,212.5 \times (2.54)^3 = 4.988 \text{ cm}^3 \times 1.3 \text{ g/cm}^3$

$1.7 \times 10^4 \times 17,212.5 \times (2.54)^3 = 4.988 \text{ cm}^3 \times 1.3 \text{ g/cm}^3$

$6.485 \text{ kg} = 10^{-3} \times 6.488 \text{ g}$

$1400 \text{ mg} = 6.485 \text{ g}$

$1000 \text{ TP4g} \text{ mg/kg} \rightarrow 1400 \text{ mg}$

$1.3 \text{ g/cm}^3 \text{ bulk density}$

$12 \text{ w/ft} \times 2.54 \text{ cm/in}$

1.7×10^4

1.7×10^3

1.5×10^1

$17,212.5$

$17,212.5 \times (2.54)^3$

4.988 cm^3

1.3 g/cm^3

6.485 kg

10^{-3}

6.488 g

6.485 g

1400 mg



"Environmental Stewardship"

Subsurface Remediation Specialists

FAX TRANSMITTAL

Voice: (510) 351-8900

FAX: (510) 351-0221

Date: 3.21.96

TERRA VAC
1651 ALVARADO STREET
SAN LEANDRO, CA 94577

From: MARK FAYE

To: JENNIFER EBERLE

Fax No.: (510) 337-9335

Total Pages: 2

RE: STATUS REPORT

Message: HERE IS A FAX COPY OF THIS
STATUS REPORT IN CASE ONE
DON'T MAKE IT TO YOU IN THE
MAIL. P.S. BOTH OF THE OAKLAND
SITES ARE SCHEDULED FOR SAMPLING
ON 3.20.96. ONCE WE GET THE
RESULTS OF THAT SAMPLING I THINK
IT WILL BE A GOOD TIME TO MEET
AND DISCUSS THE PROGRESS OF THE
SITES. SEE YOU LATER.

MPF.

9301ADM.IBM



1651 Alvarado Street, San Leandro, CA 94577-2636
Tel (510) 351-8900 □ Fax (510) 351-0221

PROJECT STATUS

March 1996
Chevron 9-4587
609 Oak Street
Oakland, California

Project Status

- o Sparging system operating and delivering approximately 60 scfm compressed air via seven operating sparge wells.
- o Interim soil boring installation report has been submitted to Alameda County. NOT
- o 1st Quarter 1996 Self Monitoring and Closure Notification has been submitted to EBMUD.

Work Planned for March 1996

- o Continued operation of sparging system.

Work Planned for Second Quarter 1996

- o Continued operation of sparging system.





14798 WICKS BOULEVARD
SAN LEANDRO, CALIFORNIA 94577-6718

■ TEL (510) 351-8900
■ FAX (510) 351-0221

December 18, 1995

Jennifer Eberle
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Re: Former Chevron Station 9-4587
609 Oak Street, Oakland, CA

Dear Ms. Eberle:

We understand that you have reviewed the Project Status for December 1995 which we submitted on December 12, 1995 and that you concur with our recommendation that the DVE system be de-mobilized. Operational data for the treatment system indicates that work plan goals for the DVE system have been achieved and that remediation of the site can continue through air sparging alone. Specifically, TPH extraction rates for the DVE system have dropped below 50 pounds per day, the extraction rate curve has become asymptotic at approximately 25 pounds per day, and DVE system inlet composition have transitioned from lighter to heavier end compounds. The DVE system is currently providing sparge off-gas collection and nominal soil venting and will likely remain on-site until the end of the year. Operation of the sparging system will continue as outlined in the work plan for the site.

Additionally, we propose to install two interim borings on December 20, 1995. One boring will be located 20 feet south of DVSP-1 and another will be located 20 feet south of DVSP-3. The borings will be installed in accordance with the work plan with the following exception.

~~Currently, sparge operations will not be conducted in the area of the DVSP system. These wells are located in the area of source areas where the site. At the same time, they will be sparged and the results of sparging of the closest plant phase. Therefore, we propose to complete the two interim borings as sparge wells in addition to soil sparging wells at the site.~~

These wells will be connected to the sparge system and will be operated for the duration of sparging operations. If the results of interim soil boring sampling indicate that absorbed hydrocarbons are present in soil in the area of the interim borings, these hydrocarbons will be further remediated in the course of on-going sparging operation. Per our communications, the results of interim soil boring sampling may also be used to designate an interim boring as a confirmatory boring.

55 DEC 26 PM 2:39
ENVIRONMENTAL
PROTECTION
DIVISION

We believe that the proposed modification to the approved work plan will ultimately improve the effectiveness of site remediation and hope that you concur. Please contact us with your approval for this proposal as soon as possible as we would very much like to maintain our schedule for drilling on December 20, 1995. Thank you for your attention to this matter.

Sincerely,
Terra Vac Corporation



Mark Frye
Project Engineer

Chevron U.S.A Products Company



Mark Miller
Site Assessment & Remediation Engineer

1215jebe
30-0219.17



Chevron

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

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

September 28, 1995

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

**Re: Former Chevron Service Station #9-4587
609 Oak Street, Oakland, CA**

Dear Ms. Eberle:

Enclosed is the Drilling Report dated August 30, 1995, prepared by our consultant Terra Vac Corporation for the above referenced site. Five dual vapor extraction wells (DVE-1 through DVE-5) and five dual vapor extraction/air sparge wells (DVSP-1 through DVSP-5) were installed. This work was performed as proposed in the Addendum Remediation Work Plan dated April 26, 1995, prepared by Terra Vac, and will be incorporated into the remediation system.

Soil samples collected were submitted to Sequoia Analytical for analysis of TPH-G and BTEX. The results of these analyses are summarized in Table 1 of the report.

Startup of the remediation system occurred on September 25, 1995. Initial extraction rates were 70 pounds of hydrocarbons removed per day during the first day of operation. The extraction rate increased the following day to 200 pounds per day. We will closely monitor system performance and continue to keep your office up to date on the remediation progress.

If you have any questions or comments, please feel free to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

cc: Ms. B.C. Owen

Mr. Dewey Bargiacchi
The Paris Company
8520 Pardee
Oakland, CA 94621

Mr. James Kimberlin
1100 Howe Avenue #415
Sacramento, CA 94825

ENVIRONMENTAL
PROTECTION
95 OCT -4 PM 2:44

TID 4037

Page 2
September 28, 1995
Former SS#9-4587

Mr. William Kimberlin
51 Eureka Street
Kensington, CA 94707

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Director

August 17, 1995
STID 4037

Mark Miller
Chevron USA Inc.
PO Box 5004
San Ramon CA 94583-0804

DEPARTMENT OF ENVIRONMENTAL HEALTH
Environmental Protection Division
1131 Harbor Bay Parkway, #250
Alameda, CA 94502-6577
(510) 567-6700

RE: former Chevron Service Station 9-4587, 609 Oak St., Oakland CA 94607

Dear Mr. Miller,

I have received and reviewed your letter dated 8/7/95, and Terra Vac's letter dated 7/28/95. This letter was written to clarify the comments made in my letter dated 6/1/95. As per our telecon today, we are in general agreement on all three items in Terra Vac's 7/28/95. We discussed the following clarifications concerning the three items, in the same order:

- 1) If DVE removal rates are less than 50 pounds per day, and if significant lighter end hydrocarbon constituents still exist, then the DVE system will continue until the lighter end hydrocarbon constituents exhibit a significant decrease.
- 2) Yes, the interim borings will be accepted as confirmatory borings if the concentrations encountered therein are <100 ppm TPH and <1 ppm benzene. However, these borings will be converted into DVE wells and added to the DVE system to supplement extraction, as per pages 6-7 of Terra Vac's 4/26/95 workplan.
- 3) Yes, the American Petroleum Institute Decision Support System (APIDSS) Exposure/Risk Assessment model and the ASTM Emergency Standard, Risk-Based Corrective Action (RBCA) document are both valid sources for the Risk Assessment.

If you have any questions, please contact me at 510-567-6700, ext 6761. **Your consultant is encouraged to submit reports on double-sided paper in order to save precious trees.**

Sincerely,

Handwritten signature of Jennifer Eberle in cursive.

Jennifer Eberle
Hazardous Materials Specialist

Handwritten signature of Ravi Arulanatham in cursive.

Ravi Arulanatham
Staff Toxicologist

cc: Tim Warner, Terra Vac, 14798 Wicks Blvd., San Leandro CA 94577
Leroy Todd/file

je.4037-C

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

June 1, 1995
STID 4037

Mark Miller
Chevron USA Inc.
PO Box 5004
San Ramon CA 94583-0804

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

RE: former Chevron Service Station 9-4587, 609 Oak St., Oakland CA 94607

Dear Mr. Miller,

I have received and reviewed the "Addendum Remediation Work Plan," prepared by Terra Vac, dated 4/26/95. As you know, this workplan involves dual vacuum extraction (DVE) and subsequent air sparging. A meeting was conducted in this office on 5/19/95, to discuss this workplan. Attendees included Tim Warner of Terra Vac, yourself, and myself. **The work plan is acceptable with the following clarifications and conditions:**

- 1) The DVE is intended to remediate onsite vadose zone soils to 100 ppm TPH and 1 ppm benzene.
- 2) DVE will be replaced by air sparging when vapor removal is such that asymptotic curves exist, indicating a decrease in the lighter HC constituents, and an increase in the heavier HC constituents over time.
- 3) The interim borings and the confirmatory borings (pages 6 and 7) may be the same boring in cases where ND concentrations are encountered. A proposal for these borings will be submitted to this office for approval prior to boring installation.
- 4) Cessation of air sparging will be predicated on concurrence by this office. At this point, a Management Plan will be submitted to this office, and will include the items specified in Task 9 (page 8). Passive remediation will eventually be acceptable providing the groundwater contamination plume is completely delineated, and does not migrate beyond the monitoring network, and contamination does not adversely affect beneficial uses of the groundwater. The frequency and termination of groundwater monitoring and sampling will also be predicated on concurrence by this office.
- 5) The efficacy of the remediation will be monitored during both the DVE and air sparging phases of remediation. This will occur as explained during our 5/19/95 meeting, as follows: to assess the relative rate of hydrocarbon destruction, CO₂ will be monitored at DVE startup and during DVE operation, as per the AQMD permit, from the system inlet. The pounds of hydrocarbons removed per day via DVE will be calculated. Oxygen Uptake Recovery (OUR) tests will be conducted during air sparging. The OUR test will determine the amount of hydrocarbons removed (in ppm) during air sparging.

June 1, 1995
STID 4037
Mark Miller
page 2 of 2

- 6) As per our 5/19/95 meeting, the water accumulated in the open excavation will be vacuumed out prior to backfilling. The distribution pipes for the remediation system will be installed while backfilling. The DVE system will commence when the equipment is available; specifically, when the DVE unit is no longer needed at the other former Chevron site (301-14th St.) where it will be utilized beginning in the next few weeks.

Quarterly groundwater monitoring and sampling should commence immediately. It appears that it ceased subsequent to tank removal operations in October 1994. Please notify me in advance of field operations.

If you have any questions, please contact me at 510-567-6700, ext 6761. **Your consultant is encouraged to submit reports on double-sided paper in order to save precious trees.**

Sincerely,



Jennifer Eberle
Hazardous Materials Specialist

cc: Tim Warner, Terra Vac, 14798 Wicks Blvd., San Leandro CA 94577
Mee Ling Tung/file

je.4037-B

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
 Hazardous Materials Inspection Form

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

II, III

Site ID # _____ Site Name Chevron Today's Date 10/17/94

II.A BUSINESS PLANS (Title 19)

- ___ 1. Immediate Reporting 2703
- ___ 2. Bus. Plan Stds. 25503(b)
- ___ 3. RR Cars > 30 days 25503.7
- ___ 4. Inventory Information 25504(a)
- ___ 5. Inventory Complete 2730
- ___ 6. Emergency Response 25504(b)
- ___ 7. Training 25504(c)
- ___ 8. Deficiency 25505(a)
- ___ 9. Modification 25505(b)

Site Address 609 Oak St.

City Oakland Zip 94607 Phone _____

___ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

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

Removal of 3 USTs:

two 10K gas + one 6K gasoline

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

12:55 arrived onsite

Comments:

Mark Miller + belinda Erdelt of Chevron onsite. There's ~300 yd³ stockpiled soil. Jeff Monroe sampled it (three 4-pt. composite samples). Larry James of OFD is not in today, so JE will take the readings: 6K UST: 0LEL + 13% O₂. 10K is 0% LEL + 12% O₂. Super 10K: 0% LEL + 16% O₂. 1:40 Removal of 10K Super UL UST: FG, no obvious holes. Mark said there's no waste oil UST. 2:10 Removal of 10K Plus UL UST: FG, no obvious holes. There's 2 55-gal drums next to dumpster: one from Alton-Geoscience. Also some 5-gal drums (one says Hot Kar Plate + is full, but most others seem empty). They will be properly disposed. 2:30 Removal of 6K UL UST: FG, no obvious holes. 2:48 Began pit sample: see attached map. Some gwh in pit. W/ a shoens. Manifests for 6K UST: 93137330, 10K UST: 91488873, 10K UST: 91488872. Tanks hauled by Trident Trucking to Erickson. 3:20 took piping samples (see map). Piping offhauled by Trident. (sq-wall, FG). Normal TAT. Site must be secured. Samples will be analyzed for TPHg, BTEX + total Pb.

II.B ACUTELY HAZ. MATLS

- ___ 10. Registration Form Filed 25533(a)
- ___ 11. Form Complete 25533(b)
- ___ 12. RMP Contents 25534(c)
- ___ 13. Implement Sch. Req'd? (Y/N) _____
- ___ 14. OffSite Conseq. Assess. 25524(c)
- ___ 15. Probable Risk Assessment 25534(d)
- ___ 16. Persons Responsible 25534(g)
- ___ 17. Certification 25534(f)
- ___ 18. Exemption Request? (Y/N) 25536(b)
- ___ 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- General
- ___ 1. Permit Application 25284 (H&S)
 - ___ 2. Pipeline Leak Detection 25292 (H&S)
 - ___ 3. Records Maintenance 2712
 - ___ 4. Release Report 2651
 - ___ 5. Closure Plans 2670

- Monitoring for Existing Tanks
- ___ 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose Semi-annual groundwater One time soils
 - 3) Daily Vadose One time soils Annual tank test
 - 4) Monthly Groundwater One time soils
 - 5) Daily Inventory Annual tank testing Cont pipe leak det Vadose/gndwater mon.
 - 6) Daily Inventory Annual tank testing Cont pipe leak det
 - 7) Weekly Tank Gauge Annual tank testing
 - 8) Annual Tank Testing Daily Inventory
 - 9) Other _____

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

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

6/88

3:54 left site

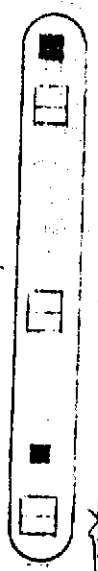
Contact: Jeff Monroe
 Title: Proj Manager
 Signature: [Signature]
 Inspector: Jennifer Eberle
 Signature: [Signature]

PLANTER

ROOF LINE



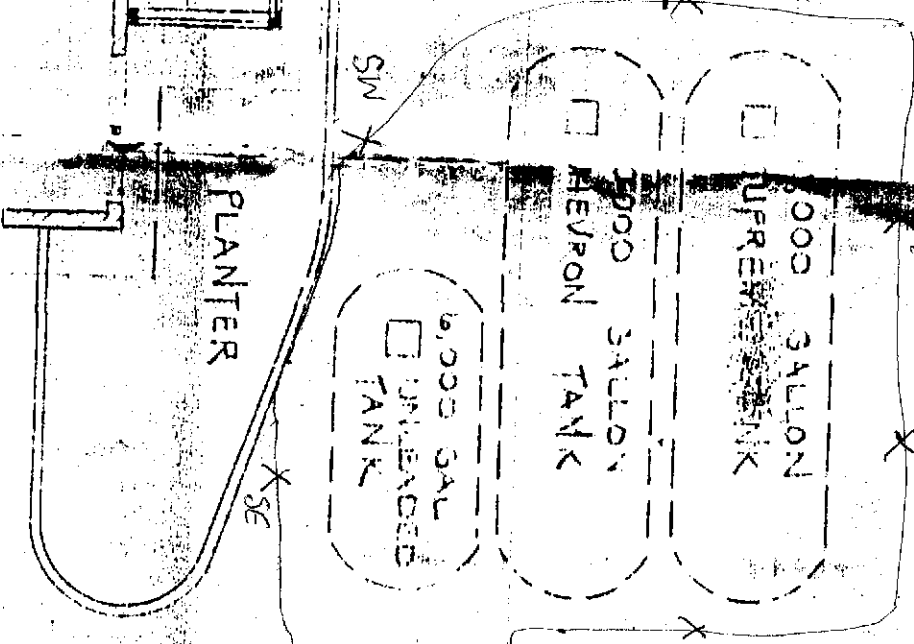
Handwritten scribbles and labels P4, P5, P6 along the roof line.



Labels P1, P2, P3, WN along the roof line.

pipe samples

pipe	order	soil
P1	3'	yes sandy clay, wet
P2	3'	yes silty clay, moist
P3	3'	nb " damp
P4	3'	slight " dry
P5	3'	no clay + dry
P6	3'	no " "



NW, NE, SW, SE, XEN, XES, XSM

SE 11' No silty sand odor? yes some some

EN 11' "

N NE NW WN SW ~9

10-17-94 samples

some some

P/US (formerly leaded)

Oak St.

CAR WASH

J. Eberle

DEPARTMENT OF ENVIRONMENTAL HEALTH

470 - 27th Street, 10th Floor

Oakland, CA 94612

Telephone: (510) 474-3337

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes in your plans must comply with Department are to assure compliance with all applicable laws. The project proponent must be notified of the issuance of any required utility permits prior to the start of any work. One copy of these plans, drawings, specifications, and estimates shall be available to all contractors and subcontractors involved with the removal.

Any change or alteration of these plans or drawings must be submitted to this Department for review. The Building Inspector Department will determine if such changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

Removal of Tank and Piping

Sanitation

Final Inspection

Issuance of a permit to remove a petroleum storage tank with associated piping and vent lines.

THERE IS A CHARGE FOR THESE SERVICES.

J. Eberle 10-4-94
10-4-94 10:20 AM

UNDERGROUND TANK CLOSURE PLAN

*** Complete according to attached instructions ***

1. ^{Facility} Business Name Chevron Station #9-4587
Business Owner Chevron USA
2. Site Address 609 Oak Street
City Oakland, CA Zip _____ Phone N/A
3. Mailing Address Chevron USA P.O. Box 5004
City San Ramon, CA Zip 94583-0804 Phone (510) 842-9521
4. Land Owner Chevron USA
Address P.O. Box 5004 City, State San Ramon, CA Zip 94583-0804
5. Generator name under which tank will be manifested Chevron USA

EPA I.D. No. under which tank will be manifested CAL 000030072

Removal of dispensers + piping?

TERRI STACK

567 EXCHANGE COURT
LIVERMORE, CA 94550-0220
(510) 447-2484
FAX (510) 447-9178



GOLDEN WEST
ENVIRONMENTAL SERVICES,
BUILDERS, GENERAL CONTRACTORS
LICENSE # 432103

6. Contractor Golden West Environmental Services
Address 567 Exchange Court
City Livermore, CA 94550 Phone (510) 447-2484
License Type A, B, C-9, HAZ, ASB ID# 432103

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

7. Consultant N/A
Address _____
City _____ Phone _____

8. Contact Person for Investigation
Name Belinda Erdelt Title Retail Engineer
Phone (510) 842-9521

9. Number of tanks being closed under this plan 3
Length of piping being removed under this plan 480 ft.
Total number of tanks at facility 3

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

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

a) Product/Residual Sludge/Rinsate Transporter
Name ERICKSON EPA I.D. No. CAD009466392
Hauler License No. 0019 License Exp. Date 7/31/95
Address 255 Parr Blvd.
City Richmond State CA zip 94801

b) Product/Residual Sludge/Rinsate Disposal Site
Name GIBSON OIL EPA I.D. No. CAD0043260702
Address 475 Seaport Blvd.
City Redwood City State CA zip 94063

c) Tank and Piping Transporter

Name ERICKSON EPA I.D. No. CAD009466392
Hauler License No. 0019 License Exp. Date 7/31/95
Address 255 Pass Blvd.
City Richmond State CA Zip 94801

d) Tank and Piping Disposal Site

Name ERICKSON EPA I.D. No. CAD009466392
Address 255 Pass Blvd
City Richmond State CA Zip 94801

11. Experienced Sample Collector

Name Touchstone Developments
Company Jeff Morrow
Address P.O. Box 2554
City Santa Rosa State CA Zip 95405 Phone (707)538-8818

12. Laboratory

Name Superior Analytical
Address 825 Arnold DR. #114
City Martinez State CA Zip 94553
State Certification No. 1542

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

If yes, describe. Supreme Unleaded leaked in 10/92. Discovered
12/15/92 - Repaired 12/21/92

14. Describe methods to be used for rendering tank inert

DRY ICE

15 lb per 1000 gal UST

150 10,000

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

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

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
10,000 10,000 10,000	installed 1972 Product - Gasoline 3, Unleaded + Leaded in use to this date all 3 UL gas USTs	Soil	2 ft under both ends of Tank + under every 20' of piping + under pumps

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

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated) 250 cy	Sampling Plan Soil Samples will be collected from the excavation bucket and handled as recommended by the LUFT Manual & TRI Regional Board Staff. Soil will be collected in 2"x6" brass Liners.

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

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

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

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
TPH - Gas + BTXE	8015 Modified. 8020		1.0 PPM 0.005 PPM

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

Name of Insurer State Fund

- 19. Submit Plot Plan (See Instructions)
- 20. Enclose Deposit (See Instructions)-
- 21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)
- 22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

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

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

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

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

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

Signature of Contractor

Name (please type) Terri L. Stack

Signature Terri L. Stack

Date 9/8/94

Signature of Site Owner or Operator

Name (please type) Belinda Erdelt

Signature B Erdelt (ATTORNEY-IN-FACT) w/ Chevron

Date 9/21/94

**STATE
COMPENSATION
INSURANCE
FUND**

P.O. BOX 420807, SAN FRANCISCO, CA 94142-0807

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

NOVEMBER 10, 1993

POLICY NUMBER: 571-1486-93
CERTIFICATE EXPIRES: 10-01-94

CITY OF OAKLAND
DEVELOPMENT SERVICES DEPT.
1330 BROADWAY, 2ND FLOOR
OAKLAND, CA 94612

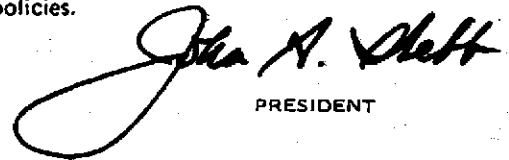
RECEIVED
NOV 15 1993
GOLDEN WEST

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

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

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

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


PRESIDENT

EMPLOYER

GOLDEN WEST ENVIRONMENTAL SERVICES, BUILDERS
567 EXCHANGE COURT
LIVERMORE, CA 94550

State of California

Contractors State License Board

Pursuant to Chapter 9 of Division 3 of the Business and Professions Code and the Rules and Regulations of the Contractors State License Board, the Registrar of Contractors does hereby issue this license to:

GOLDEN WEST ENVIRONMENTAL SERVICES BUILDERS
GENERAL CONTRACTORS * THE D B NEFF CO



to engage in the business or act in the capacity of a contractor
in the following classification(s):

- A - General Engineering Contractor, C-9 - Drywall, B - General Building Contractor,
- HAZ - Hazardous Substances Removal, ASB - Asbestos Certified

Witness my hand and seal this day,

May 19, 1991

Issued December 7, 1982
CERTIFIED COPY



State of California
Department of
Consulting
Affairs

David R. Phillips
Registrar of Contractors

432103

License Number

David R. Phillips
Signature of Licensee
David R. Phillips
Signature of License Qualifier

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



State of California
CONTRACTORS STATE LICENSE BOARD



License Number

432183

Entity

CORP

Business Name

THE O'BRIEN CORPORATION
214 GOLDEN GATE

Classification

16227-117-155

Expiration Date

12/31/94

DEPARTMENT OF

**Consumer
Affairs**

Building Quality



HAZARDOUS SUBSTANCES REMOVAL AND REMEDIAL ACTIONS CERTIFICATION

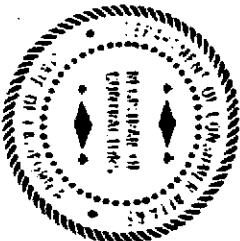
Pursuant to the provisions of Section 7058.7 of the Business and Professions Code, the Registrar of Contractors does hereby certify that the following qualifying person has successfully completed the hazardous substances removal and remedial actions examination.

Qualifier: **D. BAILEY NEFF**

License No.: **432103**

Name/syle: **GOLDEN WEST BUILDERS & NEFF D. B. INCORPORATED**

WITNESS my hand and official seal this
3 day of **OCTOBER**, 1988



D. Bailey Neff
The Registrar of Contractors

131.36 (1/89)

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

A1593

PERMIT

Permit Issued To

(Insert Employer's Name, Address and Telephone No.)

GOLDEN WEST BUILDERS
 567 Exchange Court
 Livermore, CA 94550
 Ph.: (510) 447-2484

No. _____

Date 12/28/93

Region 2

District 2

Tel. (510) 676-5333

Fax (510) 676-0227

Type of Permit ANNUAL TRENCH AND/OR EXCAVATION.

Pursuant to Labor Code Sections 6500 and 6502, this Permit is issued to the above-named employer for the projects described below.

State Contractor's License Number 432103		Permit Valid through 12/31/94		
Description of Project	Location Address	City and County	Anticipated Dates	
			Starting	Completion
Excavations and trenches five feet and deeper.	Statewide	Statewide	1-1-94	12-31-94

This Permit is issued upon the following conditions:

1. That the work is performed by the same employer. If this is an annual permit the appropriate District Office shall be notified, in writing, of dates and location of job site prior to commencement.
2. That employer will comply with all occupational safety and health standards or orders applicable to the above projects, and any other lawful orders of the Division.
3. That if any unforeseen condition causes deviation from the plans or statements contained in the Permit Application Form the employer will notify the Division immediately.
4. Any variation from the specification and assertions of the Permit Application Form or violation of safety orders may be cause to revoke the permit.
5. This permit shall be posted at or near each place of employment as provided in 8 CAC 341.4.

Received From J. Brook		Received By cc	
<input type="checkbox"/> Cash	Amount	Date	
<input checked="" type="checkbox"/> Check 67607	\$100.00	12/16/93	

Investigated by Frank E. Humphreys 12/28/93
 FRANK E. HUMPHREYS, ASE Safety Engr. Date

Approved by J. Oudiz 12/28/93
 JACK OUDIZ, ACTING DM Dist. Manager Date

SITE WORK HEALTH AND SAFETY PLAN

JOB NAME: 609 Oak Street, Oakland CA
94-293

EMERGENCY TELEPHONE NUMBERS

FIRE.....911
FIRST AID.....911
AMBULANCE.....911
POLICE.....911
POISON CONTROL CENTER.....911

HOSPITAL

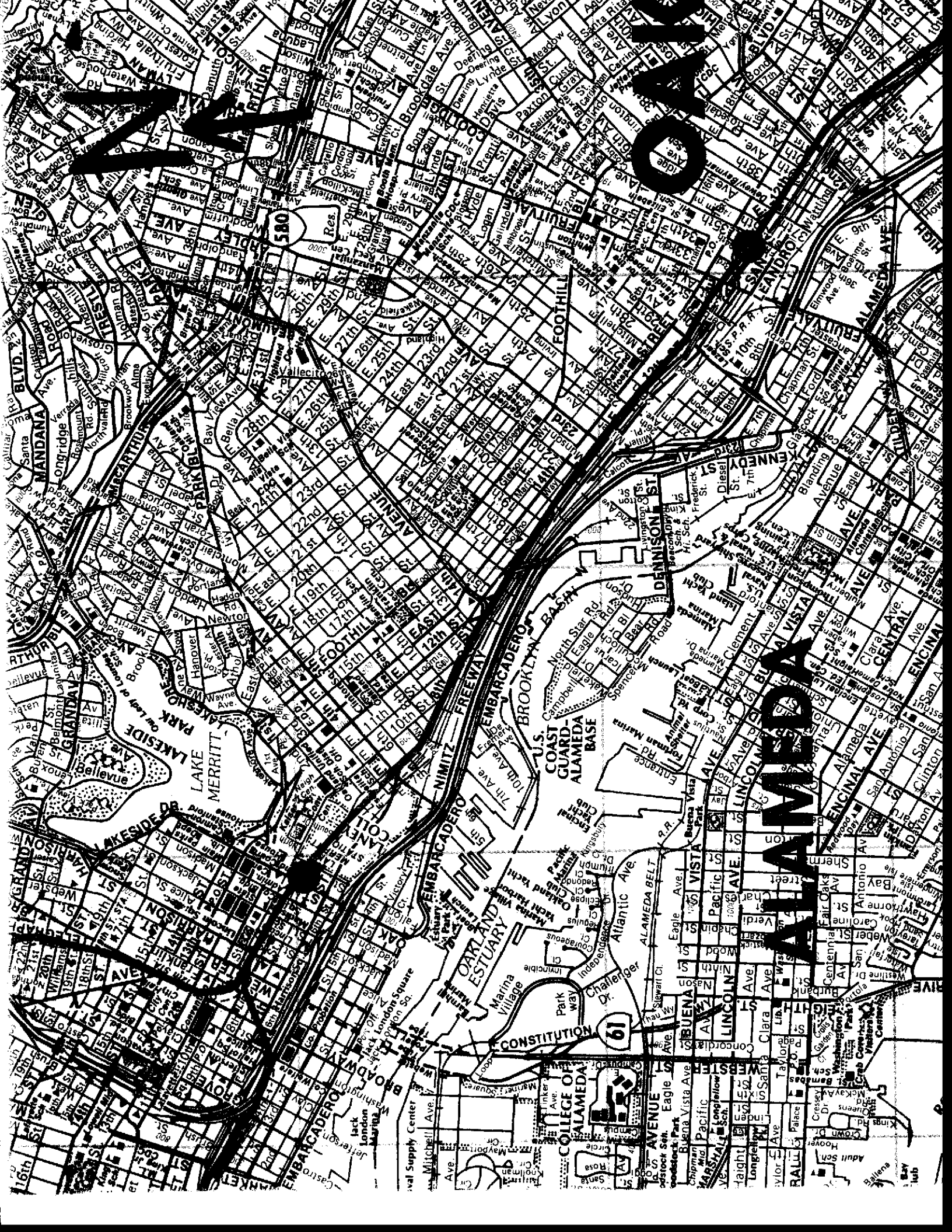
Name: Highland Hospital Phone: (510) 437-4800
Address: 1411 E. 31st, Oakland, CA

From Site:

Proceed South on Nimitz Freeway, Take Park Blvd
4th Street Exit, Go straight on Park Blvd. Turn right
ON Beaumont Ave. Turn right on E. 31st Street. Approx.
5 miles from Site.

Golden West Environmental Services, Builders, General Contractors

D. Bailey Neff.....(510) 447-2484 ext. 102
Rick Henderson.....(510) 447-2484 ext. 106



SITE WORK HEALTH AND SAFETY PLAN

1. GENERAL

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

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

2. SITE/WORK DESCRIPTION

A site location map is provided in Figure 1-1. All buried tanks, lines and contaminated soil, (if any), will be excavated from the site.

3. WORK OBJECTIVE

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

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

4. SAFETY MANAGEMENT

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

1. Personnel shall be physically able (and mentally willing) to comply with safety requirements.

2. A copy of this safety plan shall be posted at the job site, and a copy made available to each individual who will work at the site.
3. These plans should also include and/or address as a separate plan, the following:
 - a. A Worker Hazard Communication Program
4. Periodically scheduled "tailgate safety" meetings shall be held to review the safety program. Attenders will sign the Safety Meeting Notice.
5. Unsafe acts shall be stopped when discovered.
6. Required safety equipment shall be present on site and shall be checked to verify completeness and function prior to being put into service.
7. Sources of ignitions will be eliminated where possible. Smoking will be strictly forbidden on site.
8. The field supervisor is Lupe Jauregui. Personnel may change depending on field conditions. Changes will be noted in the field log book.

5. HAZARDS

Identified Hazards

- Hazards associated with general construction may occur during the course of construction. Personnel should be alert and prevent as well as avoid these hazards.
- During tank removal, there is a significant potential for hazards from falling loads when lifting and removing tanks. Workers must be especially alert to this hazard.
- During general construction activities, there is also a potential for general (construction type) safety hazards. This plan does not address general safety in detail. If personnel are frequently reminded and will cooperate in being courteous, careful, alert, and thoughtful of outlines safety procedures, and if they use common sense in actions and in considering probable consequences, much will already have been accomplished to insure a safe working environment.
- Fires may occur from sources of ignition.

- Contamination exposure is negligible on this project. Activities will cease and proper notification made if contamination is found.
- No noise or electrical hazards are known to exist at the present time.

6. EXCLUDED WORK ZONE

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

7. HAZARD COMMUNICATION

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

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

8. ON-SITE WORK PLAN

Removal of Flammable Vapors and Removal of Tanks

Removal of flammable vapors and removal of tanks will be performed in accordance with the requirements of Local Regulatory Agencies. The following are general guide lines.

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

1. All possible sources of ignition must be kept from impacting the tank or the area in which flammable vapors may reside during excavation or after removal.
2. Drain and flush all piping into tank. Flammable or combustible free standing liquid production stock will be removed from the tank prior to removal. Avoid spilling product on the ground during disconnection of the tank from its associated lines.
3. Vent lines should not be sealed and should be cut last. Keep all sources of ignition away from vent lines as well as tanks.
4. Once all liquid has been removed from the tank, any tank with flammable vapors in excess of 10% of the LEL or 5% oxygen will be purged with dry ice (CO₂). Thirty pounds of dry ice per 1,000 gallons of tank capacity is added to render the tank inert. All piping except the vent pipe should be disconnected.

Emergency Services

The address and telephone number of the local hospital, ambulance and medical emergency room should be prominently posted. In

addition, the telephone number of the fire department/rescue unit should be posted.

General information regarding emergency services may be found on page 1.

Emergency Equipment

The following emergency equipment will be available:

- A 20-unit first aid kit.
- ABC fire extinguishers (2).

9. DECONTAMINATION

The requirement for decontamination will be determined by the specific site conditions.

Pre-moistened tissues will be available.

10. SAFETY TRAINING REQUIREMENTS

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

11. EQUIPMENT

Personal Safety Equipment

Workers engaged in the remediation work shall wear/have available personal protective safety equipment as minimum:

- Hard hats
- Safety glasses and/or goggles
- Respirators
- Work boots
- Gloves
- Coveralls

Facility Safety Equipment

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

- First aid kit (20-unit).
- Fire extinguishers (2) ABC.
- "No Smoking" signs.
- Barricade tape.
- Explosimeter (LEL)/Organic Vapor Analyzer.

12. PERSONAL HEALTH AND HYGIENE

Personal safety and the safety of fellow workers require mental alertness on the part of all employees. No alcohol or drugs shall be permitted at any job site. Intake of alcohol and prescription drugs should be limited when an employee is assigned to hazardous material remediation projects due to the potential for synergistic

effects. Prescription drugs should not be taken without the express approval of a physician with knowledge of project/site activities.

Eating and smoking will only take place in an approved break area.

...forms\safetyPl.94

4-26-93

Post-It™ brand fax transmittal memo 7671		# of pages ▶ 3
To Julie Carwa	From J. Eberte	
Co.	Co. Alameda Co	
Dept.	Phone #	
Fax #	Fax #	

CITY OF OAKLAND



CITY HALL • ONE CITY HALL PLAZA • OAKLAND, CALIFORNIA 94612
 Office of Planning & Building
~~Planning Department~~ TTY 839-6451

April 21, 1993

Geraghty and Miller Inc.
 1050 Marina Way South
 Richmond, CA 94804

Att: Mr. Sean Condry

RE: Case File No.: D93-51; 609 Oak Street

Dear Mr. Condry:

Your application for Design Review to install a groundwater remediation facility at 609 Oak Street in the C-40 Community Thoroughfare Commercial and S-4 Design Review Zones ~~has been approved~~ subject to the conditions of approval. The findings required to grant your request for Design Review approval, found at Subsection 9304 (b) are as follows [citations relate to subdivisions of Subsection 9304 (b)]:

- (1) That the proposal will help achieve or maintain a group of facilities which are well related one to another and which, taken together, result in a well-composed design, with consideration given to site, landscape, bulk, height, arrangement, texture, materials, colors, and appurtenances; the relation of these factors to other facilities in the vicinity; and the relation of the proposal to the total setting as seen from key points in the surrounding area. Only elements of design which have some significant relationship to outside appearance shall be considered, except as otherwise provided in Section 7002.
- (2) That the proposed design will be of a quality and character which harmonizes with, and serves to protect the value of, private and public investments in the area.
- (3) That the proposed design conforms in all significant respects with the Oakland Comprehensive Plan and with any applicable district plan or development control map which has been adopted by the City Council.

In order to receive approval, the proposal is required to satisfy all of the above criteria, subject to the conditions of approval. The proposal satisfies the criteria as indicated by the following reasons:

- (1) With respect to finding (1), the proposed equipment for groundwater remediation will be enclosed within an 8' x 12' x 8' slatted fence, placed on a 4" concrete pad. If conditions of approval are incorporated, the proposal will relate well to its surrounding commercial neighborhood. Vines and shrubs along the perimeter of the enclosed facility will provide buffer screening, thereby minimizing its aesthetic impact in the immediate neighborhood. Because the proposed equipment would be entirely enclosed and screened, its visual impact from the street will be minimal. Furthermore, with appropriate conditions of approval, the facility will operate within an acceptable exterior noise level.
- (2) With respect to finding (2), the proposal as modified by the conditions of approval will have minimal aesthetic impact on the commercial corridor. The remediation equipment system is required by the Alameda County Health Care Services Agency (ACHSCA) and the California Regional Water Quality Control Board (CRWQCB) to remediate subsurface hydrocarbon impacted soil and ground water. The proposal is designed to improve and protect the value of private and public investments in the area.
- (3) With respect to finding (5), the proposed design conforms in all significant respects with the Oakland Comprehensive Plan and with any applicable district plan or development control map.

Therefore, the proposal has been approved subject to the following conditions:

1. That the project shall be constructed according to the plans submitted on February 25, 1993, and as modified by the conditions below.
2. That a landscape plan, prepared by a licensed landscape architect or other qualified person shall be submitted for approval prior to issuance of a building permit; it shall include ivy-type plants and quick-growing shrubs which shall be planted along the perimeter of the enclosed remediation facility; that all landscaping shall be installed prior to the finalization of the building permit; and that all landscaping shall be permanently maintained
3. That a ~~maximum exterior noise level of 60 decibels~~ at the property line be maintained.
4. That the above conditions and final treatment of the exterior including the selection of materials and colors shall be approved by the Director of City Planning prior to the issuance of any building permits.
5. That no other signs shall be installed without the approval of the Director of City Planning.
6. That street trees shall be provided to the satisfaction of the Director of Parks and Recreation prior to finalization of building permits. (The applicant shall please contact the Tree Division, Office of Parks and Recreation, at (510) 238-3151 for more information).

7. That a copy of the approved Conditions of Approval be recorded with the Alameda County Recorder using the attached form or other form approved by the Director of City Planning; proof of such recordation shall be provided to the Director of City Planning prior to the issuance of a building permit.
8. That this approval shall terminate in one (1) year unless actual construction under valid permits commences; and that this may be extended upon application filed at any time prior to the expiration date.

This decision becomes effective in ten (10) days from the date of this letter unless appealed to the City Planning Commission. An appeal is made by completing an application and paying the required fee.

If you have any questions, please contact Hector Lopez at (510) 238-3911.

Sincerely,

ALVIN D. JAMES
Director of City Planning



By: BILL QUESADA, Planner III
Zoning Division

cc: Herbye White, Office of Parks and Recreation
Frank Kliever, OPB, Operations Division
Jennifer Eberle, Alameda County Health Services Agency ✓

F-M271 3D9351.HL

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

March 11, 1993
STID 4037

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

Alvin James
Director of City Planning
1330 Broadway, 3rd Floor
Oakland CA 94612

RE: Chevron Service Station #94587
609 Oak St.
Oakland CA 94607

Dear Mr. James,

I am writing to you regarding a zoning permit which is being required by the City for a groundwater treatment system to be located at the above referenced site. This permit takes approximately two or three months to obtain, and is consequently delaying the installation and startup of this system.

The groundwater treatment system is being required by our agency to remediate contaminated groundwater beneath the site. There is actual floating petroleum product on the surface of the groundwater. Petroleum hydrocarbons have already been detected in monitoring wells situated offsite and downgradient (in Oak St.). There is concern that these constituents may continue to migrate offsite. The groundwater remediation proposal, dated 9/2/92, was ultimately accepted during a telephone conversation between myself and Chevron (N. Vukelich) on 11/2/92.

Our concern is that the zoning permit process may pose an added delay to the implementation of the groundwater remediation system. These types of treatment systems are relatively small in size, and are usually enclosed and locked for protection. We would appreciate your input, including the possibility of future exemptions or changes in policy, regarding this type of situation.

If you have any questions, please contact me at 510-271-4530.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

Alvin James
STID 4037
March 11, 1993
page 2 of 2

cc: Mark Miller, Chevron USA, Inc., PO Box 5004, San Ramon CA
94583-0804
Kent O'Brien, Geraghty and Miller, 1050 Marina Way South,
Richmond CA 94804
Kay Winer, Director, Office of Planning and Building, 1330
Broadway, 2nd Floor, Oakland CA 94612
Frank Kliever, Operations Manager, Office of Planning and
Building, 1330 Broadway, 2nd Floor, Oakland CA 94612
Bill Quesada, Zoning Dept., 1330 Broadway, 2nd Floor,
Oakland CA 94612
Rich Hiett, RWQCB
Ed Howell/File *ESH*

je 4037-A



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

3/11/93 10:35

Operations

March 9, 1993

Ms. Jennifer Eberle
Alameda County Health Care Services
Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

4037

**Re: Chevron Service Station #9-4587
609 Oak Street, Oakland, CA**

Dear Ms. Eberle:

Per our recent telephone conversation, I have enclosed the Status Report on Implementation of Ground-Water Remediation Work Plan dated February 26, 1993, prepared by Geraghty & Miller for the above referenced site.

It appears that the most significant delay posed to the installation of the groundwater extraction system is the City of Oakland Planning Department review process. Due to the specific zoning at this site, the planning department has determined that it is necessary for the plans to go through a formal review process. The delays associated with this process will move the installation date back to at least May 7, 1993. (I understand that the main concern of the planning department is that the enclosure surrounding the treatment system be aesthetically pleasing.) Any assistance you could provide to expedite this process would be greatly appreciated. Perhaps a letter written to the planning department stating the urgency of this matter may assist in moving the project forward without the inherent delays of a formal review process.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Very truly yours,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. Rich Hielt, RWQCB - Bay Area
B.C. Owen
File (9-4587 LTR1)

Mr. Dewey Barjockey
The Paris Company
8520 Pardee
Oakland, CA 94621

3rd one

zoning 238-7206
Bill Quesada
421-14th St. 2nd fl
94612



Mr. James Kimberlin
1100 Howe Avenue #415
Sacramento, CA 94825

Mr. William Kimberlin
51 Eureka Street
Kensington, CA 94707

February 26, 1993
Project No. RC11302

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

SUBJECT: Status Report on Implementation of Ground-Water Remediation Work Plan
for Chevron Service Station #9-4587, 609 Oak Street, Oakland, California.

Dear Mr. Miller:

This letter presents an update of the work completed at the above-referenced service station for the implementation of a ground-water extraction and treatment system. The scope of this work was described in a Geraghty & Miller, Inc. (Geraghty & Miller) work plan dated September 22, 1992. As we discussed in our telephone conversation on February 10, 1993, the City of Oakland Planning Department (Planning Department) requires formal plan review for the ground-water extraction system (City of Oakland Zoning Division Applications Schedule is enclosed as Attachment 1). Geraghty & Miller has asked Jennifer Eberle from Alameda County Health Department to write a letter to the Planning Department explaining the necessity to move forward with this project. Geraghty & Miller believes that her involvement may allow the project to proceed without the estimated eight-week delay indicated under Task 3 of the schedule below. The formal application, including conditional use permit application, site and areal photographs, and the drawings, has been submitted as requested with fees of \$801.

The schedule for implementation of the work plan has been modified to reflect the delays associated with obtaining Planning Department approval. The schedule outlined below is based on the assumption that we will obtain Planning Department approval by April 7, 1993.

<u>Task</u>	<u>Description</u>	<u>Date of Completion</u>	<u>it was:</u>
Task 1:	Review Documents, Develop Work Plan, and Project Setup	Completed	
Task 2:	Detail System Design	Completed	11-16-92
Task 3:	Permitting Sewer Discharge Application Planning Application Notice & Comment Period Ends Notice of Decision Issued Final Appeal Period	Completed February 26, 1993 March 26, 1993 April 7, 1993 April 21, 1993	11-20-92
Task 4:	System Installation Able Maintenance Piping Carbon System	May 7, 1993 May 14, 1993	12-15-92
Task 5:	System Startup	May 21, 1993	12-30-92
Task 6:	Ground-Water Treatment System Operation and Maintenance	Monthly ✓	
Task 7:	Preparation of Discharge Compliance Reports	Quarterly ✓	
Task 8:	Aquifer Test and Evaluation of Ground-Water Remediation System	June 4, 1993	2-20-93 (report)
	Report on Aquifer Test and Evaluation	July 9, 1993	

Geraghty & Miller appreciates the opportunity to be of service to Chevron. If you have any questions regarding this schedule, please call the undersigned at (510) 233-3200.

Sincerely,
GERAGHTY & MILLER, INC.



Kent O'Brien
Hydrogeologist/Project Manager

Attachment 1: City of Oakland Zoning Division "Schedule for Decisions on Applications in 1993"

ATTACHMENT 1

**CITY OF OAKLAND ZONING DIVISION
"SCHEDULE FOR DECISIONS ON APPLICATIONS IN 1993"**

CITY OF OAKLAND



CITY HALL • ONE CITY HALL PLAZA • OAKLAND, CALIFORNIA 94612
 Office of Planning & Building (510) 238-3940
~~Planning Department~~ ~~XXXXXXXXXXXXXX~~

December 21, 1992

TO: Applicants for Minor Variances, Minor Conditional Use Permits,
 Regular Design Review, and Tentative Parcel Maps

FROM: Zoning Division

SUBJECT: SCHEDULE FOR DECISIONS ON APPLICATIONS IN 1993

<u>FILING DEADLINE</u> (Wed)	<u>NOTICES POSTED AND MAILED TO ADJOINING NEIGHBORS BY:</u> (Mon)	<u>END OF COMMENT PERIOD AND DATE AFTER WHICH DECISION IS MADE:</u> (Fri)
December 30	January 11	January 22
January 6	January 18	January 29
January 13	January 25	February 5
January 20	February 1	February 12
January 27	February 8	February 19
February 3	February 15	February 26
February 10	February 22	March 5
February 17	March 1	March 12
February 24	March 8	March 19
March 3	March 15	March 26
March 10	March 22	April 2
March 17	March 29	April 9
March 24	April 5	April 16
March 31	April 12	April 23
April 7	April 19	April 30
April 14	April 26	May 7
April 21	May 3	May 14
April 28	May 10	May 21
May 5	May 17	May 28
May 12	May 24	June 4
May 19	May 31	June 11
May 26	June 7	June 18
June 2	June 14	June 25
June 9	June 21	July 2
June 16	June 28	July 9
June 23	July 5	July 16
June 30	July 12	July 23
July 7	July 19	July 30

*Call
 Minor
 factor
 for comments*



*BELOW
 APRIL
 + 1 to 2 weeks
 + 10 appeal
 period*

**SCHEDULE FOR DECISIONS ON APPLICATIONS
IN 1993
December 21, 1992
Page -2-**

<u>FILING DEADLINE</u> (Wed)	<u>NOTICES POSTED AND MAILED TO ADJOINING NEIGHBORS BY:</u> (Mon)	<u>END OF COMMENT PERIOD AND DATE AFTER WHICH DECISION IS MADE:</u> (Fri)
July 14	July 26	August 6
July 21	August 2	August 13
July 28	August 9	August 20
August 4	August 16	August 27
August 11	August 23	September 3
August 18	August 30	September 10
August 25	September 6	September 17
September 1	September 13	September 24
September 8	September 20	October 1
September 15	September 27	October 8
September 22	October 4	October 15
September 29	October 11	October 22
October 6	October 18	October 29
October 13	October 25	November 5
October 20	November 1	November 12
October 27	November 8	November 19
November 3	November 15	November 26
November 10	November 22	December 3
November 17	November 29	December 10
November 24	December 6	December 17
December 1	December 13	December 24
December 8	December 20	December 31
December 15	December 27	January 7, 1994
December 22	January 3, 1994	January 14, 1994
December 29	January 10, 1994	January 21, 1994



BILL QUESADA, Planner III
Zoning Division



FACSIMILE MESSAGE

CHEVRON U.S.A. PRODUCTS COMPANY
West Central Region
Marketing Department SR-2410 Camino Ramon

Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804
(Street Address: 2410 Camino Ramon)

Reply by Facsimile: (510) 842-9591

4037

Date: 11/13/92

To: Jennifer Ebel
ACHCS

Fax Number: 569-4757

From: Nancy L. Vukelich Phone No.: (510) 842-9581

Site Assessment and Remediation Engineer

Subject: #9-4587 - 609 OAK street
OAKLAND

Comments: Attached is a revised schedule received
from Geraghty & Miller for completion of
the tasks associated with the groundwater system.
If you have any questions please contact
me.

Thank you.

NUMBER OF PAGES INCLUDING COVER SHEET 3



Ground Water

Engineering

Hydrocarbon

Remediation

Education

November 10, 1992
Project No. RC11301

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

SUBJECT: Status Report on Implementation of Ground-Water Remediation Work Plan for Chevron Service Station #9-4587, 609 Oak Street, Oakland, California.

Dear Ms. Vukelich:

This letter presents an update of the work completed at the above-referenced service station for the implementation of a ground-water extraction and treatment system. The scope of this work was described in a Geraghty & Miller, Inc. (Geraghty & Miller) work plan dated September 22, 1992. As we discussed in our telephone conversation on November 10, 1992, we have collected a ground-water sample from Extraction Well CR-1 for the purpose of obtaining a sewer discharge permit. It is estimated that the results from this sample will be available by November 20, 1992. Geraghty & Miller has also received the two 1,000-lb aqueous-carbon vessels from Westates Carbon.

Geraghty & Miller is submitting this revised schedule for the completion of the various tasks outlined in the work plan dated September 22, 1992.

<u>Task</u>	<u>Description</u>	<u>Date of Completion</u>
Task 1:	Review Documents, Develop Work Plan, and Project Setup	Completed
Task 2:	Detail System Design	November 16, 1992
Task 3:	Permitting	November 20, 1992
Task 4:	System Installation	December 15, 1992
Task 5:	System Startup	December 30, 1992

1050 Marina Way South • Richmond, California 94804 • (510) 233-3200 • FAX (510) 233-3204

Task 6: Ground-Water Treatment System Operation and Maintenance Monthly

Task 7: Preparation of Discharge Compliance Reports Quarterly

Task 8: Aquifer Test and Evaluation of Ground-Water Remediation System February 20, 1993

Report Complete Date
- Aquifer test to be completed in January '93

Geraghty & Miller appreciates the opportunity to be of service to Chevron. If you have any questions regarding this work plan, please call the undersigned at (510) 233-3200.

Sincerely,
GERAGHTY & MILLER, INC.

Kent O'Brien
Hydrogeologist/Project Manager

Project No. RC11301



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

October 26, 1992

Ms. Jennifer Eberle
Alameda County Health Care Services
Department of Environmental Health
80 Swan Way, Rm. 200
Oakland, CA 94621

4037

**Re: Former Chevron Service Station #9-4587
609 Oak Street, Oakland**

Dear Ms. Eberle:

This letter is in response to your letter dated September 30, 1992, received in this office on October 8, 1992, requesting that site-specific characterization of the aquifer be conducted prior to designing and installing the ground water extraction and treatment system. In your letter, you requested that data regarding aquifer pumping rates, drawdown, and radius of influence be collected prior to system design.

Chevron believes that performing an aquifer test prior to the design and installation of a water treatment system is not necessary at this site and that, in fact, there are additional benefits to conducting a more complete aquifer test and evaluation of the effectiveness of a ground water extraction system while it is actually operating under sustained conditions. Chevron has installed many water treatment systems in the East Bay under similar conditions.

For this site, it is appropriate to distinguish the treatment system from the ground water extraction system. Each of these systems can be designed somewhat independently. The design of the ground water extraction network consists of wells, their spacing, completion depth and pumping rate. This is the component of the design where information regarding aquifer transmissivity, hydraulic capture radius and pumping rates is important to proper design. On the other hand, the treatment system treats the water generated by the ground water extraction network to levels which are appropriate for discharge; it is designed around flow rate and the concentration of hydrocarbons in the water being treated.

The ground water extraction system, as planned, consists of one extraction well (CR-1) equipped with a 1/2-horsepower electric submersible pump capable of flow rates of up to 15 gpm. Because the expected flow rates are between 1 and 4 gpm, this pump is capable of providing excess pumping capacity and will not be a limiting factor in the extraction system. The location of CR-1 was chosen because it is located along the furthest down-gradient property boundary. The strategic location of this well provides a high probability that the system will achieve hydraulic containment along the down-gradient property boundary of the site. To verify that the pumping of CR-1 has achieved hydraulic containment, a long-term (approximately 3 days) aquifer test will be run at this site. Analysis of the data from the aquifer test will be used to determine whether operation of the extraction well is sufficient to achieve hydraulic containment of ground water beneath the site. Should additional wells be required, they can be added to the system and pumped in conjunction with existing recovery well CR-1, and the effluent can be treated using the excess capacity in the proposed aqueous carbon treatment system. At this site, unnecessary expense and delays can be avoided by installing a system with the capacity for expansion if it is required.

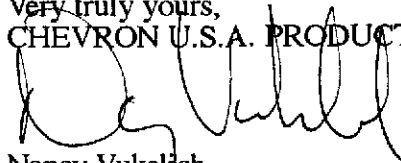
Page 2
October 26, 1992
#9-4587 - Oakland

The water treatment system proposed for this site consists of two 1,000 pound aqueous carbon vessels. The carbon vessels clean the extracted ground water by adsorbing the dissolved hydrocarbons that are extracted with the ground water. Aqueous-phase carbon adsorption technology has proven to be one of the most cost-effective and maintenance-free methods for achieving high hydrocarbon removal efficiencies. These systems are operating at numerous locations in the East Bay. These carbon vessels are rated for flow rates of up to 25 gpm without significant degradation of their ability to adsorb hydrocarbons. This is far in excess of flow rates typically encountered in this area. In addition, East Bay Municipal Water District (EBMUD), which will be receiving the treated effluent from the system, requires that discharged effluent be treated to levels of hydrocarbons which are below the detection limits for the analytical methods which are required. To meet these discharge limits, aqueous carbon would be used as part of virtually any system installed, to "polish" the effluent prior to discharge.

In summary, there is little technical justification for delaying the installation of the treatment system pending the results of an aquifer test. In addition, delaying the installation of the extraction pump in CR-1 would be nonproductive, because the extraction system can be expanded efficiently and cost-effectively, if needed, to achieve hydraulic containment.

If you have any questions, please contact me at (510) 842-9581.

Very truly yours,
CHEVRON U.S.A. PRODUCTS COMPANY



Nancy Vukelich
Site Assessment and Remediation Engineer

cc: Mr. Rich Hiatt, RWQCB-Bay Area
Mr. S.A. Willer
File (9-4587-6)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

September 30, 1992

STID 4037

Nancy Vukelich
Chevron USA, Inc.
PO Box 5004
San Ramon CA 94583-0804

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

RE: Chevron Service Station 94587
609 Oak St.
Oakland CA 94607

Dear Ms. Vukelich,

We are in receipt of a "Ground Water Remediation Work Plan," prepared by Geraghty and Miller, dated 9/22/92, under your cover letter dated 9/25/92. As you are aware, this workplan proposes to install a groundwater extraction and treatment system.

Upon a review of the work plan, it was noted that an aquifer test is not recommended prior to the installation of the treatment system. Although we are anxious to commence groundwater treatment at this site, we are even more anxious to do so in a manner that will maximize the effectiveness of the selected treatment system. This can be accomplished by designing a treatment system based on **site-specific** characteristics, including those of the aquifer. In particular, data regarding aquifer pump rates, drawdown, and radius of influence is required **prior to system design**. Correct system design is particularly important at this site because there is free product in groundwater which may be migrating offsite. Therefore, we request that you amend the work plan to reflect these concerns. Please respond to us with a written addendum or revision to the work plan **within 35 days, or by November 4, 1992.**

If you have any questions, please contact me at 510-271-4530.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Kent O'Brien, Geraghty and Miller, 1050 Marina Way South,
Richmond CA 94804
Rich Hiatt, RWQCB
Ed Howell/File

je



Chevron U.S.A. Inc.

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

91 MAY 28 AM 11:30

Marketing Operations

R. B. Bellinger
Manager, Operations
S. L. Patterson
Area, Manager, Operations
C. G. Trimbach
Manager, Engineering

May 23, 1991

Mr. Dennis Byrne
Alameda County Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Re: Chevron Service Station #9-4587
609 Oak Street
Oakland, CA 94607

Dear Mr. Byrne:

Enclosed we are forwarding the Site Update Report dated May 10, 1991, prepared by our consultant GeoStrategies, Inc. for the above referenced site. As indicated in the report, groundwater samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX. Benzene concentrations were detected at concentrations ranging from ND to 33,000 ppb. Phase separated hydrocarbons were observed in monitor well C-1 and tank pit backfill wells B and C at measured thicknesses of .02, 1.00, and .02 feet, respectively. Approximately 8.5 gallons of phase-separated hydrocarbons were removed during this quarter. Purging of the phase-separated hydrocarbons will continue until a dedicated recovery system can be installed.

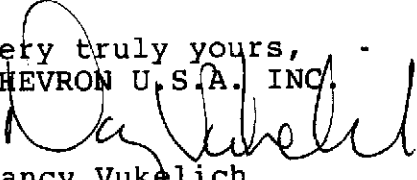
We are currently designing a dedicated recovery system for installation at the above referenced site. A work plan will be prepared and forwarded to your office upon finalization of the system design.

Chevron will continue to examine all monitor wells for the presence of separate-phase hydrocarbons on a weekly basis and perform quarterly chemical analysis. Monitor wells which exhibit separate-phase hydrocarbons are bailed during this inspection. Plume migration is surmised to be slow based on the relatively flat gradient and the low permeable geology that exists beneath the site.

Page 2
May 23, 1991

If you have any questions or comments please do not hesitate to contact me at (415) 842-9581.

Very truly yours, -
CHEVRON U.S.A. INC.



Nancy Vukelich
Environmental Engineer

Enclosure

cc: Mr. Rich Hiett, RWQCB-Bay Area
Ms. Bette Brummett-Owen
File (#9-4587Q2 Listing)

Mr. Ken Betts
770 Wesley Way
Oakland, CA 94610



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

Marketing Operations

May 14, 1990

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

Mr. Dennis Byrne
Alameda County
Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

Re: Chevron Service Station #9-4587
609 Oak Street
Oakland, CA

Dear Mr. Byrne:

Attached please find our deposit check in the amount of \$633.00 to cover oversight costs for the referenced site.

If you have any questions or comments please do not hesitate to call me at (415) 842 - 9625.

Very truly yours,

C. G. Trimbach

JMR/jmr

By 
John Randall

56 8909
5730190
663

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



KLD APR 26 '90

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

23 April 1990

John Randall
Chevron U.S.A. Incorporated
P.O. Box 5004
San Ramon, CA 94588-0804

Subject: Ground Water Investigation being conducted at 609 Oak Street, Oakland.

Dear Mr. Randall:

This office has received the workplan prepared by GeoStrategies Incorporated concerning the project listed above. Before this plan can be reviewed and authorized for implementation, it will be necessary for you to submit to this office a deposit of \$663.00 made payable to the County of Alameda.

This deposit is authorized the Section 3-141.6 of the Ordinance Code of the County of Alameda and is used to cover the expenses incurred by County personnel in the execution of their oversight responsibilities associated with the project. Records are maintained of the time County employees commit to a given project and the deposit is charged at an hourly rate. Upon the completion of the project, the balance of the deposit will be refunded to you.

Once this matter of the deposit is addressed this office will review the submitted workplan and issue a written response in a timely manner. If you have any questions concerning this matter, please contact me at (415) 271-4320.

Sincerely,


Dennis J. Byrne
Hazardous Materials Specialist

cc: Rafat Shahid, Assistant Director, Alameda County Department of Environmental Health.
Christopher Palmer, GeoStrategies Inc.



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

90 APR 19 AM 11:28

Marketing Operations

April 17, 1990

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

Mr. Rafat Shahid
Alameda County
Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

Re: Chevron Service Station #9-4587
609 Oak Street
Oakland, CA

Dear Mr. Shahid:

Enclosed we are forwarding a Work Plan prepared by our consultant GeoStrategies, Inc., which describes additional work steps we propose to take at the above referenced site. We would appreciate your review and concurrence. Chevron will proceed under self direction unless otherwise informed by your office.

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

If you have any questions or comments please do not hesitate to call me at (415) 842 - 9625.

Very truly yours,

C. G. Trimbach

JMR/jmr
Enclosure

By 
John Randall

cc: Mr. Lester Feldman
RWQCB-Bay Area
1800 Harrison Street
Suite # 700
Oakland, CA 94612

Jerry Mitchell, GeoStrategies

RECEIVED

MAR 14 1991

GeoStrategies Inc.

2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545

GETTLER-RYAN INC.

GENERAL CONTRACTORS (415) 352-4800

March 11, 1991

Gettler-Ryan Inc.
2150 West Winton Avenue
Hayward, California 94545

Attn: Mr. Jeff Monroe

Re: SITE UPDATE
Chevron Service Station No. 4587
609 Oak Street
Oakland, California

Gentlemen:

This Site Update report by GeoStrategies Inc. (GSI) summarizes the ground-water monitoring well installation and soil sampling performed at the above referenced location (Plate 1). One exploratory soil boring was drilled on February 1, 1991 and completed as ground-water monitoring well C-7. This well was subsequently developed and then sampled on February 7, 1991. In addition, this report includes results of the first quarter ground-water sampling conducted by Gettler-Ryan Inc. (G-R) on January 14, 1991, in accordance with the scope of work requested by Chevron U.S.A. Inc. Field work and laboratory analyses were performed to comply with current State of California Water Resources Control Board guidelines. GSI Field Methods and Procedures are presented in Appendix A.

SITE BACKGROUND

Ground-water monitoring wells C-1, C-2 and C-3 were installed by Gettler-Ryan Inc. (G-R) in July 1983. G-R prepared a letter dated July 19, 1983, documenting the monitoring well installations. In addition, three tank backfill monitoring wells (A, B and C) are located on the site. In July 1986, monitoring of the ground-water and tank backfill wells was implemented.

719102-7



GeoStrategies Inc.

Gettler-Ryan Inc.
March 11, 1991
Page 2

In December 1989, G-R conducted ground-water sampling at the site. Results were presented in a G-R Groundwater Sampling Report dated December 21, 1989.

GSI prepared a work plan dated April 4, 1990, to address the need for further delineation of the hydrocarbon plume.

In September 1990, four exploratory borings were drilled and subsequently completed as ground-water monitoring wells C-4 through C-6 and recovery well CR-1. Ground-water samples were collected from the monitoring well network by G-R on October 30, 1990. Results of this investigation are presented in the GSI Well Installation Report dated November 30, 1990.

FIELD PROCEDURES

One exploratory soil boring was drilled on February 1, 1991, using a truck-mounted hollow-stem auger rig and completed as a ground-water monitoring well (C-7). Field work was performed according to GSI Field Methods and Procedures presented in Appendix A. Soil samples were collected at five-foot depth intervals, using a modified California split-spoon sampler fitted with clean brass tube liners. A GSI geologist observed the drilling, described soil samples using the Unified Soil Classification System (ASTM D-2488) and Munsell Soil Color Chart, and prepared a lithologic log for the borehole. The exploratory boring log is presented in Appendix B.

Soil Sampling

A four-inch-long brass tube of soil from each sample interval was used to perform head-space analysis in the field to screen for the presence of volatile organic compounds (VOCs). Head-space analysis involved transferring soil from a brass liner into a clean glass jar and immediately covering the jar with aluminum foil secured with a ring-type threaded lid. After approximately twenty minutes, the foil was pierced and the head-space within the jar was tested for total organic vapor measured in parts per million using an Organic Vapor Monitor (OVM) photoionization detector. Head-space analysis results are presented on the boring log in Appendix B.



EA ENGINEERING,
SCIENCE, AND
TECHNOLOGY, INC.

Western Regional Operations
41 Lafayette Circle
Lafayette, California 94549
(415) 283-7077

23 September 1987

Ted Gerow
Alameda County Health
Hazardous Materials Management
420 27th Street
Oakland, California 94612

Handwritten: 9/23/87
RECEIVED
SEP 23 1987
ENVIRONMENTAL HEALTH
ADMINISTRATION

Dear Mr. Gerow:

This letter is to inform you that EA Engineering, Science, and Technology, Inc. (EA) is scheduled to perform a soil vapor survey.

Handwritten: Chevron #194587
Location: 609 Oak Street
Oakland, California 94607

Date: 2 October 1987

Should you have questions or comments please feel free to contact me at the above number.

Sincerely,
Handwritten signature: Robert M. Gray
Robert M. Gray

RMG:cam