

Alameda County  
**District Attorney's Office**  
Thomas J. Orloff, District Attorney

June 25, 1998

### News Release

#### **Former Chevron environmental project manager convicted of falsifying laboratory data**

Nancy Vukelich, a former Chevron Products U.S.A. environmental project manager in Northern California, was convicted this morning before Berkeley Municipal Court Judge Julie Conger after entering a plea of no contest to three criminal counts of falsifying laboratory data from Chevron sites contaminated by leaking underground fuel storage tanks.

The false reports were submitted to local environmental regulators (The Alameda County Department of Environmental Health and the City of Berkeley Toxics Division) to expedite "closure" of the sites by the regulators (a decision that no further cleanup or monitoring is required).

The crimes (violations of California Health and Safety Code section 25299(d), a misdemeanor) occurred between 1992 and 1994 at three sites, two in Berkeley (1101 University and 1285 Eastshore) and one in San Lorenzo (997 Grant Avenue). Vukelich left Chevron in March of 1994.

Vukelich was placed on probation for three years and sentenced to 50 days in jail, with the possibility of replacing 20 of the jail days with 20 days of community service. She was fined \$5,000 and ordered not to work in the environmental field without explicit court approval.

The case was charged in 1996 after an extensive investigation by the District Attorney's Office, and the defendant was extradited from Arizona. The probe led to the conclusion that no other Chevron employees were involved in the fraud. The company has cooperated with the investigation and will not be facing criminal charges as a result of Vukelich's acts.

UNDERGROUND STORAGE TANK FACILITY REPORT

StID#: 775 Site Status = R Removed USTs

Facility Name / Owner	Facility Address	FacIDSta Stat
-----	-----	-----
Chevron Stn. #95630 Removed 4 UGT 11/90	997 Grant Ave San Lorenzo CA 94580	62789 R #Tanks: 0

Mail Address -----

Cont: Maintenance Dispatch	997 Grant Ave.	BILLING:
Phone: Fac:	San Lorenzo CA 94580	DateSent-
PermHist:	StSurChgDt: 02/16/88 St.Appl.Dt:	12/15/87
4 UST Paid.	PermitIssu: Old Permis:	Acct# T21091

--- Tank Information Using Codes from FORM-B ---

NO PER TANK INFORMATION CURRENTLY ENTERED FOR FACILITY StID# 775

Per Tank Info: 775	Sngl/Dbl	Last Test	Freq (#Mos)
TnkIDSta	Material	TANKS:	
TnkIDown	CorrProt	PIPES:	
Location	SpilProt	Year Pump Interlock Installed:	
TStatus	OverProt	State Surcharge Received:	
DtInstal	PIPE:Const	Date Permit Issued :	
Capacity	Material	Next State Surcharge Due:	
Contents	PLeakDet	Tank's Proper Initial Dt:	
TLeakDet		Bill Y/N:	

===== StID 775 Complete === Pg 1 ==

Date Printed: 08/05/97 The above information is correct as printed:

\_\_\_\_\_  
PRINT Name/Title of Facility Contact Signature Date

\_\_\_\_\_  
Alameda County Hazardous Materials Inspector Date  
Report UGTList; rev 9/96

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES

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

April 25, 1997

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

STID 775

Re: Investigations at Former Chevron Service Station #9-5630, located at 997 Grant Avenue,  
San Lorenzo, California

Dear Mr. Briggs,

This office has reviewed the First Quarter Groundwater Monitoring Report for 1997, dated April 9, 1997, and the attached cover letter, dated April 10, 1997. Based on our review of the monitoring results, this office feels that the site is eligible for case closure, and will begin preparing the case closure recommendations for the Regional Water Quality Control Board's review and concurrence.

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

Sincerely,

Juliet Shin  
Senior Hazardous Materials Specialist

cc: Chief, ACDEH

4/25/97 left message for Larry Blazer, DA's office,  
to let him know site is going to be  
considered for closure

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH  
80 Swan Way, Rm. 210  
Oakland, CA 94621  
- (510) 271-4300

September 13, 1996

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

STID 775

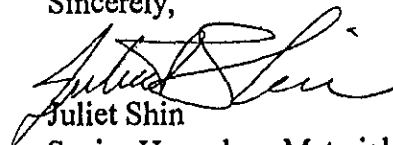
Re: Health Risk Evaluation for Former Chevron Station #9-5630, located at 997 Grant Avenue, San Lorenzo, California

Dear Mr. Briggs,

This office has reviewed over the December 12, 1995 Health Risk Evaluation and the August 23, 1996 Addendum to the Health Risk Evaluation, prepared by Curt Peck of Chevron Research and Technology Company (CRTC), for the above site. Based on our review of these Risk Evaluations, this office accepts CRTC's conclusions that an estimated health risk to an adult resident at this site would be in the range of  $1 \times 10^{-7}$  to  $1 \times 10^{-8}$  and would therefore not represent a significant threat to human health, per the U.S. Environmental Protection Agency's guidelines. A residential scenario for a child was not calculated for the site based on the above low risks that were determined for an adult.

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

Sincerely,



Juliet Shin

Senior Hazardous Materials Specialist

cc: Curt Peck  
Chevron Research and Technology Company  
P.O. Box 4054  
Richmond, CA 94804-0054

Acting Chief-File

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

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

May 17, 1996

Phil Briggs  
Chevron USA Products Co.  
P.O. Box 5004  
San Ramon, CA 94583-0804

STID 775

Re: Response to the December 12, 1995 Health Risk Evaluation for Former Chevron Station #9-5630, located at 997 Grant Avenue, San Lorenzo, California

Dear Mr. Briggs,

This office has reviewed the December 12, 1995 Health Risk Evaluation for the above site. The following are a list of comments that should be addressed and incorporated into a revised risk evaluation:

- o The residential exposure scenario should be modeled for a 30 year, not a 9 year, exposure period, per DTSC and EPA guidelines;
- o An ingestion scenario for potential construction workers should be developed;
- o Scenarios for children should be incorporated; and
- o The SESOIL model that was used in the Risk Evaluation does not incorporate a "crack factor". Please incorporate this factor into the assessment.

Please submit a revised Health Risk Evaluation addressing the above concerns within 45 days of the date of this letter.

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

Sincerely,

Juliet Shin  
Senior Hazardous Materials Specialist

cc: Larry Blazer, Alameda County District Attorney's Office

Acting Chief-File

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, DIRECTOR

February 29, 1996

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

Mr. Mark Miller  
Chevron U.S.A. Products Co.  
P.O. Box 5004  
San Ramon, CA 94583-0804

STID 775

Re: Monitoring of Well C-3 at Former Chevron Service Station #9-5630, 997 Grant Ave.,  
San Lorenzo, CA

Dear Mr. Miller,

This office has reviewed the January 31, 1996 Quarterly Groundwater Monitoring Report for the above site. For the last two quarterly monitoring events at the site, sample collection from on-site Well C-3 has been excluded based on Chevron's argument that this well could not be located. Per my conversation with you on November 30, 1995, Chevron has not made any formal efforts to locate this well (e.g., surveying for the location of this well using to-scale maps, surveying using a ground penetrating radar, etc). Based on the contamination identified from this well in past sampling events and the fact that this well will ultimately need to be located for proper well destruction when the site is granted closure, this office is requiring that Well C-3 be located and sampled as part of the next quarterly monitoring event. Per your statements in November 1995, this area has not been paved over and, therefore, there appears to be no permanent obstruction to accessing this well.

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

Sincerely,

Juliet Shin  
Senior Hazardous Materials Specialist

cc: James Keller  
Blaine Tech Services  
985 Timothy Drive  
San Jose, CA 95133

Larry Blazer, Alameda County District Attorney's Office

Acting Chief-File



**Chevron**

Date: 11/10/95

To: JULIET SHIN

ALVARADO COUNTY HEALTH CARE SVCS.  
337-9335

**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**  
Voice 510 842-8134  
Fax 510 842-8252

From: Mark Miller  
Site Assessment and Remediation Engineer

Re: FILE REVIEW

Message: FOLLOWING IS A LIST OF SITES WE'VE  
INCLUDED IN THE REVIEW. PLEASE LET US  
KNOW IF THERE ANY ANY OTHER SITES YOUR  
OFFICE WOULD LIKE TO HAVE INCLUDED.



# Superior Precision Analytical, Inc.

PO Box 1545 ▪ Martinez, California 94553 ▪ (800) 521-6109 / fax (415) 647-1595

Chevron U.S.A. Products Company  
6001 Bollinger Canyon Rd. Bldg.L  
PO Box 5004  
CA 94563

September 11th 1995

RE: Former Chevron Service Station #9-5630  
997 Grant Avenue, San Lorenzo, Ca.

Dear Mr. Miller:

In response to your correspondence dated August 24, 1995. Superior Analytical offers the following comments concerning analytical results of monitoring wells at the referenced site. We have reviewed all project files pertaining to these samples, and retrieved the electronic files. The data is in complete agreement with higher concentrations recorded on the certificates of analysis. Those that you have marked "Sierra's Files", in the attachments sent with your letter. We have scrutinized our reviewing process, and can find no possible loop hole where two reports could have been submitted for the same sample. The signatures on both versions of the reports are identical, had we revised a report it would have had to be regenerated, reviewed and signed, generating some difference even by the same signee. This was not the case, all our documentation indicates one set of data and report for these samples over the entire project.

It appears that we can offer no explanation as to the existence of two analytical reports for the same samples.

Superior Precision Analytical has a Quality Control program in place, that has been accepted by several states and the Department of the Defense. The program is designed to generate legally defensible data.

Please call (510) 313 0862 should you have any questions.

Sincerely,

*CA Horn*

Christine Horn  
Laboratory Director

55 SEP 12 PM 1:21

RECEIVED





## *Superior Precision Analytical, Inc.*

P.O. Box 1545 ▪ Martinez, California 94553 ▪ (800) 521-6109 / fax (415) 647-1595

cc: Mr. Lawrence E. Cogan  
Ware & Freidenrich  
400 Hamilton Avenue  
Palo Alto, Ca 94301

Mr Michael Meniktas  
Meniktas & Associates  
3440 Lakeshore Avenue, Suite 206  
Oakland, Ca 94610

Mr Chris Bramer  
Sierra Environmental Services  
P.O. Box 2546  
Martinez, Ca 94553

Ms. Juliet Shin  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, suite 250  
Alameda, Ca 94502

93 SEP 12 PM 1:21

SIERRA ENVIRONMENTAL SERVICES



August 24, 1995

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

Mr. Rich Phaler  
Superior Precision Analytical, Inc.  
825 Arnold Drive, Suite 114  
Martinez, CA 94553

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

**Re: Former Chevron Service Station #9-5630  
997 Grant Avenue, San Lorenzo, CA**

Dear Mr. Phaler:

I would like to direct your attention to the enclosed letter from Chevron to Ms. Juliet Shin of Alameda County Health Care Services dated August 24, 1995, and the enclosed lab data pertaining to the above referenced site.

The letter summarizes a situation where it appears that two sets of different laboratory analytical data exist for certain wells for a number of quarterly sampling events. The dates, lab sample numbers, signatures, lab project numbers, number of samples, and chain of custodies are all identical. The only difference between the two data sets is the actual sample concentrations. When I previously contacted your firm regarding this situation, you were able to verify that the lab reports showing the higher concentrations were correct. The specific question Chevron has for Superior is how could two sets of data exist for this many samples over an extended period of time?

The intent of this inquiry is not to "point the finger" at any one company or individual. Alameda County Health Care Services and Chevron both view this as a serious situation and would like to have an explanation offered, where one exists. We would appreciate any insight or information that your firm could offer as to how this situation developed within 30 days from receipt of this letter.

Thank you in advance for your cooperation. If you have any question 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

cc: Ms. B.C. Owen

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



August 24, 1995

**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

Mr. Chris Bramer  
Sierra Environmental Services  
P.O. Box 2546  
Martinez, CA 94553

**Re: Former Chevron Service Station #9-5630  
997 Grant Avenue, San Lorenzo, CA**

Dear Mr. Bramer:

I would like to direct your attention to the enclosed letter from Chevron to Ms. Juliet Shin of Alameda County Health Care Services dated August 24, 1995, and the enclosed lab data pertaining to the above referenced site.

The letter summarizes a situation where it appears that two different sets of laboratory analytical data exist for certain wells for a number of quarterly sampling events. Evidently, all quarterly reports generated by Sierra up to and including the October 13, 1993, report contained historic tables and lab reports showing hydrocarbon concentrations that were low or below method detection limits. The historic tables contained in the two subsequent quarterly reports generated by Sierra dated January 13, 1995, and March 1, 1995, reflected higher concentrations.

When I previously contacted your firm regarding this situation, Mr. Wayne Akiyama provided copies of historic lab reports from Sierra's files reporting the higher concentrations. The specific question Chevron has for Sierra is how all lab data and historic tables up to and including the October 13, 1993, report shows low or non detectable concentrations, when now the only lab sheets contained in Sierra's files reflect the higher concentrations?

The intent of this inquiry is not to "point the finger" at any one company or individual. Alameda County Health Care Services and Chevron both view this as a serious situation and would like to have an explanation offered, where one exists. We would appreciate any insight or information that your firm could offer as to how this situation developed within 30 days from receipt of this letter.

Thank you in advance for your cooperation. If you have any question or comments, please feel free to contact me at (510) 842-8134.

Sincerely,  
CHEVRON U.S.A. PRODUCTS COMPANY

A handwritten signature in black ink, appearing to read "Mark A. Miller".

Mark A. Miller  
Site Assessment and Remediation Engineer

cc: Ms. B.C. Owen

Page 2  
August 24, 1995  
Former SS#9-5630

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



**Chevron**

August 24, 1995

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

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

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

**Re: Former Chevron Service Station #9-5630  
997 Grant Avenue, San Lorenzo, CA**

Dear Ms. Shin:

Thank you for your letter of July 24, 1995, regarding concerns about the quarterly monitoring program at the above referenced site. I would like to take this opportunity to address those concerns. However, I would first like to clarify that at no time did Chevron knowingly submit inaccurate laboratory data as implied in your July 24 letter. The implication made in your letter is that Chevron had a choice of laboratory data to submit and chose to submit the data showing the lowest concentrations. This letter will explain that this was clearly not the case. The intent of this letter is to explain the process by which Chevron obtains quarterly monitoring data from its consultants and laboratories, and further clarify Chevron's July 17, 1995, letter regarding how the discovery of the lab data in question was made.

Chevron typically contracts with a consultant to have quarterly ground water monitoring activities performed at a given site. Chevron also contracts directly with a laboratory for analytical services. When a quarterly monitoring event is conducted at a site, the consultant will collect the ground water samples and submit them directly to the laboratory. The laboratory will report the results directly back to the consultant. The consultant adds the latest analytical results to the historical table of results and attaches a copy of the lab results to the report. The consultant will then forward the report to Chevron. This is the first time that the lab data for the current quarter is presented to Chevron. This is the process which was used at this site. Sierra Environmental Services (SES) and Superior Precision Analytical, Inc. (SPA) were the chosen consultant and laboratory, respectively, for this site.

All lab data sheets and quarterly monitoring reports in Chevron's files through the October 13, 1993, report prepared by SES, contain data which indicates that concentrations were generally low or below method detection limits. As you know, quarterly monitoring activities were suspended following this report, pending closure of the case.

Due to several concerns expressed by your office, closure was not granted at this time and two additional ground water monitor wells were installed in July of 1994. Following well installation, your office and Chevron agreed to monitor and sample selected wells for two additional quarters. The results of these sampling events are contained in the January 13, 1995, and March 1, 1995, quarterly monitoring reports prepared by SES.

Upon reviewing these two reports prior to preparing a risk evaluation for future development at the site, Chevron noticed that historical concentrations for some of the wells were not low or below method detection limits as previously indicated in the October 13, 1993, report and all previous reports. Chevron queried SES regarding this occurrence in the belief that the data had been transcribed incorrectly from the old reports to the new. SES indicated that their files contained lab data sheets which reported the higher concentrations shown on the last two

quarterly reports. Chevron requested that SES forward copies of the analytical data contained in their files for comparison to the data in Chevron's files. This was done to determine if the data in question was generated for the subject site and was not being confused with data from another site.

After reviewing the lab data sheets from SES's and Chevron's files, it was determined that they were identical with just one exception. The dates, lab sample numbers, signatures, lab project numbers, number of samples, and chain of custodies were all identical. The only difference between the data contained in Chevron's and SES's files was the actual sample concentrations. The data in SES's files showed higher concentrations while the data in Chevron's files showed lower concentrations. Theoretically this is impossible since the data which Chevron obtains from the lab is passed through SES, and the data contained in both files should be identical. Also, SES's historical tables contained in all quarterly monitoring reports, with the exception of the last two reports, showed the lower concentrations. When asked why the tables and reports prepared by SES up to and including the October 13, 1993, report showed the lower concentrations and the lab data sheets they had in their files now showed higher concentrations for the same sampling events, SES could not provide an explanation.

Chevron then contacted SPA to determine which lab data set was correct. SPA was the laboratory used to analyze all of the samples in question. Superior checked the actual lab report information contained in their files and determined that the historic data contained in the latest two SES reports was correct. Chevron asked SPA how two different sets of data could exist for the same samples from a number of different sampling events which occurred over a period of several years. SPA indicated that they have never heard of a situation where this has happened before and further indicated that it could not happen with their QA/QC procedures in place.

As explained above, at no time did Chevron willingly or knowingly report inaccurate lab data. Chevron reported the information which came from the lab by way of our consultant. All lab data sheets and quarterly monitoring reports through the October 13, 1993, report in Chevron's files reflect the lower concentrations previously reported. It is clear that errors in reporting data have occurred, however they are errors which were not caused by Chevron.

Chevron views this as serious situation and would like to have an explanation offered by both SES and SPA. We are sending a copy of this letter to both Sierra Environmental Services and Superior Precision Analytical, Inc. along with a request for an explanation for the situation presented herein.

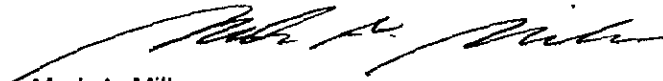
It is Chevron's intent that progress towards closure at this site continue to move forward. To that end, we suggest the following plan of action:

1. Accept SPA's conclusion that the data set contained in the latest two SES reports is correct.
2. Monitor and sample all wells at the site to accurately characterize ground water and obtain a current data set which describes the size and location of the residual dissolved hydrocarbon plume in ground water. We anticipate forwarding the results of this sampling event to your office by the end of September, 1995. This is consistent with the request made in your July 24, 1995 letter.
3. Continue to move forward with the risk evaluation for future development of the site. We currently anticipate this will be complete by the end of September, 1995.

Page 3  
August 24, 1995  
Former SS#9-5630

Again, Chevron apologizes for any delay and inconvenience this situation has caused. We will continue to keep your office informed of any information gleaned from SES and SPA. If you have any question 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

cc: Ms. B.C. Owen

Mr. Darryl Snow, Geraghty & Miller - Richmond

Mr. Chris Bramer  
Sierra Environmental Services  
P.O. Box 2546  
Martinez, CA 94553

Mr. Rich Phaler  
Superior Precision Analytical, Inc.  
825 Arnold Drive, Suite 114  
Martinez, CA 94553

Mr. Curtis Peck, CRTC

Mr. Lawrence E. Cogan  
Ware & Freidenrich  
400 Hamilton Avenue  
Palo Alto, CA 94301

Mr. Michael Meniktas  
Meniktas & Associates  
3440 Lakeshore Avenue, Suite 206  
Oakland, CA 94610

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY



DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Director

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

CC4580

July 24, 1995

Mr. Mark Miller  
Chevron U.S.A. Products Co.  
P.O. Box 5004  
San Ramon, CA 94583-0804

STID 775

Re: Investigations at Former Chevron Service Station #9-5630,  
located at 997 Grant Ave., San Lorenzo, California

Dear Mr. Miller,

Based on the County's review of the case files for the above site, and your letter, dated July 17, 1995, Chevron has reported incorrect results for groundwater samples collected from the site since as early as June 1992. Wells C-2 and C-3 had the greatest number of inaccurately reported quarterly sampling results.

Based on the corrected analysis results, and the fact that Wells C-1, C-2, and C-3 have not been sampled since September 7, 1993, this office is requesting that Chevron resume quarterly sampling of all the monitoring wells, to accurately characterize any remaining contaminants in the groundwater, and assure that no significant concentrations of groundwater contaminants are migrating off site.

It is still unclear to this office why Superior Precision Analytical produced two sets of laboratory analysis results for the site on a regular basis between June 3, 1992 and September 7, 1993, and why only one set of analysis results, the one with the lower concentrations, were submitted to the County for review. Please submit a more detailed explanation for the inaccurate reporting to this office.

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

Sincerely,

A handwritten signature in cursive script, appearing to read 'Juliet Shin'.

Juliet Shin  
Senior Hazardous Materials Specialist



Mr. Mark Miller  
Re: 997 Grant Ave.  
July 24, 1995  
Page 2 of 2

cc: Gil Jensen, Alameda County District Attorney's Office

Michael Meniktas  
3450 Lakeshore Ave., Ste 202  
Oakland, CA 94610

Acting Chief-File



**Chevron**

53 JUL 21 1995

July 17, 1995

**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

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

**Re: Former Chevron Service Station #9-5630  
997 Grant Avenue, San Lorenzo, CA**

Dear Ms. Shin:

Over the past several days we have exchanged numerous voice mail messages regarding the accuracy of the quarterly monitoring and sampling data at the above referenced site. As you suggested, I have composed this letter to clarify this issue.

In the Quarterly Ground Water Sampling Report dated October 13, 1993, prepared by Sierra Environmental Services (SES), the historical data presented for wells C-1, C-2, C-3, and C-5 revealed dissolved hydrocarbon concentrations that were generally low or below method detection limits. This was the last quarterly monitoring report prepared prior to the request for case closure. Following discussions between Chevron and your office regarding case closure, two additional wells were installed and quarterly monitoring resumed. In the Quarterly Ground Water Sampling Report dated March 1, 1995, prepared by SES, the historical data presented for these wells revealed dissolved concentrations somewhat higher than the previous report.

After reviewing these two reports and the analytical lab data sheets from Superior Precision Analytical (SPA) with SES, it was discovered that two sets of lab data existed for certain sampling dates for the aforementioned wells. The two data sets were identical, having the same lab sample numbers, dates, chain of custodies, and signatures. The only difference was the analytical data. One set indicated dissolved concentrations were low or below method detection limits, the other presented data showing somewhat higher concentrations. SPA was contacted to determine which set of lab data was correct. After reviewing the actual lab data from the chromatograms, SPA and Chevron have conclusively determined that the historical data contained in the latest SES report (March 1, 1995) is accurate.

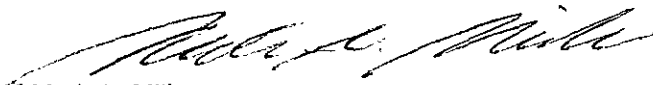
Neither Chevron, SPA, or SES has experienced a situation similar to this before. It is unclear as to how this could have happened with the QA/QC procedures in place at these three companies. We apologize for the delay and any inconvenience this has caused.

As we discussed, I have instructed Chevron's Research and Technology Company to proceed with the risk screen using the correct quarterly monitoring data. We anticipate providing you with the results of the risk screen during August, 1995.

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

Page 2  
July 17, 1995  
Former SS#9-5630

Sincerely,  
CHEVRON U.S.A. PRODUCTS COMPANY



Mark A. Miller  
Site Assessment and Remediation Engineer

cc: Ms. B.C. Owen

Mr. Darryl Snow, Geraghty & Miller - Richmond

Mr. Curtis Peck, CRTC

Mr. Lawrence E. Cogan  
Ware & Freidenrich  
400 Hamilton Avenue  
Palo Alto, CA 94301

Mr. Michael Meniktas  
Meniktas & Associates  
3440 Lakeshore Avenue, Suite 206  
Oakland, CA 94610

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

STID 775

November 16, 1994

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

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

RE: (FORMER) CHEVRON STATION #9-5630, 997 GRANT AVENUE, SAN  
LORENZO

Dear Mr. Miller:

This letter follows in the wake of our telephone conversation yesterday. As we agreed, please adhere to the following specific sampling and monitoring schedule for the immediate and subsequent quarters:

- o Wells MW-1, -5, -6, and -7 shall be monitored for ground water elevations beginning November 1994 and again during February 1995. These data will be used to calculate ground water gradient and flow direction during the monitored period.
- o Wells MW-5, -6, and -7 shall be sampled beginning November 1994 and again during February 1995. Samples shall be analyzed for standard gasoline compounds, TPH-G and BTEX.

Reports documenting the referenced sampling and monitoring events should be submitted in a timely fashion. Should these data appear consistent with those collected previously during the course of this investigation to date, case closure shall appear warranted.

Please call me at 510/567-6783 should you have questions.

Sincerely,

Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Agency Director  
Gil Jensen, Alameda County District Attorney's Office  
Michael Meniktas  
Walter Baumann Trust

ALCO  
HAZMAT

94 OCT -6 PM 3:49



**Chevron**

October 3, 1994

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

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

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

**Re: Former Chevron Service Station #9-5630  
997 Grant Avenue, San Lorenzo, CA**

Dear Ms. Shin:

Thank you for your letter of September 14, 1994, commenting on the recent assessment work performed at the above referenced site. In your letter, the request was made to continue monitoring wells C-5 and C-6 for two additional quarters to confirm ground water quality before case closure can be considered.

We do not believe this to be a valid request based on the following facts:

- Remedial excavation of approximately 5,200 cubic yards of soil conducted during 1990 and 1991 removed nearly all hydrocarbon impacted soil at the site. The excavation performed at this time also removed the continuing source of hydrocarbon impact to ground water.
- Ground water monitoring data collected over the past four years has indicated that the residual dissolved hydrocarbon plume has been attenuating through natural mechanisms to background levels.
- Even though monitor wells C-1 through C-4 have been screened below the ground water table, data provided by these wells is reliable. This is demonstrated by monitor well C-7 which was recently installed adjacent to C-3. Well C-7 is screened across the ground water table and the sampling results from this well have a high degree of correlation with sampling results obtained from C-3 over the past four quarters. Essentially, both of these wells have contained concentrations of hydrocarbons below method detection limits since September of 1992.
- Concentrations of dissolved hydrocarbons observed in the newly installed monitor well C-6 are below Maximum Contaminant Levels.
- Downgradient monitor well C-5 has never contained concentrations of hydrocarbons above method detection limits. This indicates that dissolved hydrocarbons observed in monitor well C-6 are limited in extent and the residual dissolved hydrocarbon plume is stable and contained.

- 4984 yds<sup>3</sup>  
w/ intraliquid  
to site

wells  
screened  
in appropriate  
to gauge this

analysis, comparison  
of dissolved conc.  
from MW-2 vs. MW-6  
indicate otherwise

perhaps...

Based on the above circumstances, it is our opinion that gathering additional data will not provide any new information or alter the remedial approach for this site. Additionally, it is our understanding that the owner of the property would like the case to be closed as soon as possible.

At this juncture, we would like to request that your office reconsider what, if any, benefits and what potential impacts to the property owner, additional sampling may have. If appropriate, I would also ask your office to solicit the opinion of Mr. Kevin Graves of the Regional Water Quality Control Board on this case to determine if this additional work is required to protect beneficial uses of ground water in the area.

If it is determined that additional sampling is still required, then Chevron would offer to perform the following work under the conditions given below.

- need at least 2*
- Monitor wells C-5 and C-6 would be sampled one additional quarter during November, 1994 for TPH-G and BTEX.
  - Depth to ground water measurements will be collected from monitor wells C-1, C-5, C-6, and C-7 during the sampling event to maintain knowledge of the ground water gradient.
  - Dissolved concentrations of hydrocarbons observed in C-5 and C-6 shall remain statistically consistent with historical sampling results. If ground water sampling data is not consistent with historical results, we will immediately re-sample the questionable wells at the site. If concentrations are inconsistent during the second sampling event, then we will evaluate what appropriate next actions are required.

If concentrations are statistically consistent, then no further work will be required for case closure. Alameda County will then issue a closure letter to Chevron within thirty days following receipt of the November, 1994 sampling results. *hmm...*

I would appreciate a response at your earliest convenience. If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Sincerely,  
CHEVRON U.S.A. PRODUCTS COMPANY



Mark A. Miller  
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. Kevin Graves, RWQCB - S.F. Bay Area  
Ms. B.C. Owen

Mr. Darryl Snow, Geraghty & Miller - Richmond

Mr. Lawrence E. Cogan  
Ware & Freidenrich  
400 Hamilton Avenue  
Palo Alto, CA 94301

Page 3  
October 3, 1994  
Former SS#9-5630

Mr. Michael Meniktas  
Meniktas & Associates  
3440 Lakeshore Avenue, Suite 206  
Oakland, CA 94610

File: 9-5630 LTR1

September 14, 1994

Mr. Mark Miller  
Chevron U.S.A. Products Co.  
P.O. Box 5004  
San Ramon, CA 94583-0804

San Ramon, CA 94583-0804  
San Ramon, CA 94583-0804  
San Ramon, CA 94583-0804  
San Ramon, CA 94583-0804  
San Ramon, CA 94583-0804

STID 775

Re: Investigations at Former Chevron Service Station #9-5630,  
located at 997 Grant Ave., San Lorenzo, California

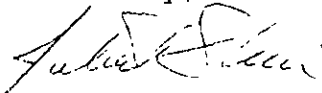
Dear Mr. Miller,

This office has reviewed Ground Water Technology's report, dated August 25, 1994, documenting the additional soil and ground water investigations recently conducted at the above site. Both soil and ground water samples collected from Well C-6 identified concentrations of Total Petroleum Hydrocarbon as gasoline (TPHg) and benzene. Although the observed concentrations of TPHg and benzene are fairly low, it is uncertain whether the ground water contaminant concentrations will remain at these lower levels or increase with time or fluctuations in the water table.

Based on the above concerns, and the fact that Wells C-1 through C-4 may have been screened incorrectly in the past based on the assumption that the underlying aquifer was semi-confined, the County is requesting that two additional quarters of ground water monitoring be conducted for Wells C-5 and C-6. If contaminant concentrations remain commensurate to the levels observed in the August 1994 sampling event, then the site will be considered for closure. However, if contaminant levels are observed to increase, continued ground water monitoring may be required to assure that these levels are not migrating off site and impacting other sites.

The next quarterly sampling event should be conducted in November 1994. If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,



Juliet Shin  
Hazardous Materials Specialist



Mr. Mark Miller  
Re: 997 Grant Ave.  
September 14, 1994  
Page 2 of 2

cc: Michael A. Chamberlain  
Groundwater Technology, Inc.  
4057 Port Chicago Hwy.  
Concord, CA 94520

Michael Meniktas  
3450 Lakeshore Ave., Ste 202  
Oakland, CA 94610

Walter Baumann Trust  
60 Hillside Mall  
San Mateo, CA 94403

Edgar Howell

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

June 21, 1994

Mr. Mark Miller  
Chevron U.S.A. Products Co.  
P.O. Box 5004  
San Ramon, CA 94583-0804

STID 775

Re: Work plan for further investigations at Former Chevron  
Service Station #9-5630, located at 997 Grant Ave., San  
Lorenzo, California

Dear Mr. Miller,

This office has reviewed Groundwater Technology's workplan, dated June 7, 1994, addressing the installation of two additional monitoring wells at the above site. This work plan is acceptable to this office. Please be reminded to drill the borings down slowly so that no shallow ground water will be overlooked. Additionally, please place special attention on observing the soil samples collected from the 10 to 14 feet depth, since elevated contaminant levels were formerly identified at these depths in the former tank pit.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Juliet Shin'.

Juliet Shin  
Hazardous Materials Specialist

cc: Tim Watchers  
Groundwater Technology  
4820 McGrath St., Ste 100  
Ventura, CA 93003

Michael Meniktas  
3450 Lakeshore Ave., Ste 202  
Oakland, CA 94610

Edgar Howell-File(JS)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

February 22, 1994

Ms. Nancy Vukelich  
Chevron USA Products Co.  
P.O. Box 5004  
San Ramon, CA 94583-0804

STID 775

Re: Additional clarification for case closure review, for 997  
Grant Avenue, San Lorenzo, California

Dear Ms. Vukelich,

This office has reviewed the case files for the above site for closure. There are still some data gaps existing in our files, that need to be clarified before this site can be considered for closure. You are required to submit the following pieces of information to fill these data gaps:

o Excavated Soil

There is contradicting information in our files regarding the amount of soil that was excavated, aerated, backfilled, and hauled off site. The GSI report, dated 9/13/91, states that 1,380 cubic yards of aerated soil was sampled (CS-89 through CS-159), found to be < 10ppm TPHg, and reused at the site, and that 220 cubic yards of soil was hauled to BFI in Livermore. In the EGE report, dated 5/12/92, it states that 5,000 cubic yards of previously remediated soil was compacted into the site. This report also states that a clay liner, with a thickness in excess of 10 feet, was installed at the site, presumably in the former excavation. It is unclear whether the "clay liner" is just the backfilled soil. In the GML report, dated 12/1/93, it states that 4,984 cubic yards of excavated soil was backfilled into the excavation and a total of 5,204 cubic yards were excavated from the pit. Page 7 of this report indicates that 1.0 feet of drain rock, fiber fabric was backfilled into the excavation with the excavated soil, with no mention of a clay liner. Please submit more detailed information about the number and locations of samples collected from the stockpiled soil and the exact amount of stockpiled soil excavated and sampled, the samples considered clean and the ones considered "dirty", which sampled areas were reused for backfilling, the amount of soil used for backfilling and disposal off site, and more details about the "clay liner", fiber fabric, etc.

Nancy Vukelich  
Re: 997 Grant Ave.  
February 22, 1994  
Page 2 of 3

o Depth of Excavation

The GSI report, dated 9/13/91, states that the UST pit bottom was sampled at 11.5 feet below ground surface (bgs). The excavation appears to have been continued laterally from there, but there was no mention of any further vertical excavation. The EGE report, dated 5/12/92, states that the UST complex was excavated to "greater than 11.5 feet" (page 6), and later states that "soil analytical concentrations collected from the source area indicate ND levels of TPHg at 14.5 feet" (page 10). Please clarify the actual depth of the excavation.

o Ground water Depth and Contaminant Transport

Please explain the connection between the apparent ground water noted in the UST excavation at 11.5 feet bgs, and the first encountered ground water, during the monitoring well installations, at 17.5 feet to 19 feet bgs. It appears, from the well logs, that the water table is semi-confined beneath the site, due to the rise of the water in the wells from approximately 19 feet bgs to approximately 11.5 feet bgs during the well installations, which implies that the actual water table is located at about 19 feet bgs. Our assumption that the aquifer is semi-confined appears to be consistent with Chevrons', based on the fact that the monitoring wells are currently screened as though the aquifer is semi-confined. However, ground water was also noted at higher elevations of about 11.5 feet bgs within the excavation pit. Therefore, there appears to be a discrepancy in the aquifer information. If ground water is truly at approximately 19 feet bgs, was the water observed in the excavation from another aquifer or a perched water table? Is this ground water hydraulically connected to ground water noted in the wells? If the water table is actually at 11.5 feet bgs, then why are the monitoring wells screening so far below the water table? Additionally, please explain your ideas for the mechanism of transport for contaminants through native soil. If the water table is located at about 19 feet bgs, then why has the bulk of soil contamination been identified at 11.5 feet bgs from the excavation, and in the 9-10.5 feet bgs range from borings C-2, C-3, and C-4?

Nancy Vukelich  
Re: 997 Grant Ave.  
February 22, 1994  
Page 3 of 3

The above data gaps and questions need to be answered before this office can complete case closure review for the site. If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,



Juliet Shin  
Hazardous Materials Specialist

cc: Edgar Howell-File(JS)

**ATTACHMENT 2**

**FILTER FABRIC PRODUCT DATA SHEET**

# BURKE CONCRETE ACCESSORIES

310 Union Street  
P.O. Box 23243  
Oakland, California 94623  
Tel. (510) 465-3900  
Facsimile: (510) 839-7269

## FILTER FABRIC

4 OZ.

### Non-Woven Polypropylene Staple Fiber Specification - P0451

<u>Fabric Property</u>	<u>Test Method</u>	<u>Certifiable Min. Avg. English Value</u>	<u>Certifiable Min. Avg. S.I. Value</u>
Weight	ASTM D-3776	oz/sy 4.1	g/sqm 139
Thickness	ASTM D-1777 -	mils 50	mm 1.27
Tensile Strength	ASTM D-4632	lbs 110	kN 0.49
Elongation	ASTM D-4632	% 50	% 50
Mullen Burst	ASTM D-3786	psi 240	kPa 1654
Puncture Strength	ASTM D-4833	lbs 70	kN 0.31
Trapezoidal Tear	ASTM D-4533	lbs 50	kN 0.22
AOS	ASTM D-4751	US Std Sieve 70	mm 0.212
UV Resistance After 500 Hrs	ASTM D-4355	% 70	% 70
Flow Rate	ASTM D-4491	gpm/sqft 120	lpm/sqm 4889.37
Permittivity	ASTM D-4491	sec <sup>1</sup> 1.5	sec <sup>1</sup> 1.5

#### Standard Roll Size Information

Item # 50451

15.0' x 360' = 600 Sq. Yds.

SP-011193.STM

Seller makes no warranty, express or implied, concerning the product furnished hereunder other than that it shall be of the quality and specifications stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE, ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained.

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

February 22, 1994

Ms. Nancy Vukelich  
Chevron USA Products Co.  
P.O. Box 5004  
San Ramon, CA 94583-0804

STID 775

Re: Additional clarification for case closure review, for 997  
Grant Avenue, San Lorenzo, California

Dear Ms. Vukelich,

This office has reviewed the case files for the above site for closure. There are still some data gaps existing in our files, that need to be clarified before this site can be considered for closure. You are required to submit the following pieces of information to fill these data gaps:

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Nancy Vukelich  
Re: 997 Grant Ave.  
February 22, 1994  
Page 2 of 3

o Depth of Excavation

The GSI report, dated 9/13/91, states that the UST pit bottom was sampled at 11.5 feet below ground surface (bgs). The excavation appears to have been continued laterally from there, but there was no mention of any further vertical excavation. The EGE report, dated 5/12/92, states that the UST complex was excavated to "greater than 11.5 feet" (page 6), and later states that "soil analytical concentrations collected from the source area indicate ND levels of TPHg at 14.5 feet" (page 10). Please clarify the actual depth of the excavation.

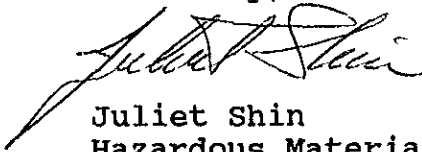
o Ground water Depth and Contaminant Transport

Please explain the connection between the apparent ground water noted in the UST excavation at 11.5 feet bgs, and the first encountered ground water, during the monitoring well installations, at 17.5 feet to 19 feet bgs. It appears, from the well logs, that the water table is semi-confined beneath the site, due to the rise of the water in the wells from approximately 19 feet bgs to approximately 11.5 feet bgs during the well installations, which implies that the actual water table is located at about 19 feet bgs. Our assumption that the aquifer is semi-confined appears to be consistent with Chevrons', based on the fact that the monitoring wells are currently screened as though the aquifer is semi-confined. However, ground water was also noted at higher elevations of about 11.5 feet bgs within the excavation pit. Therefore, there appears to be a discrepancy in the aquifer information. If ground water is truly at approximately 19 feet bgs, was the water observed in the excavation from another aquifer or a perched water table? Is this ground water hydraulically connected to ground water noted in the wells? If the water table is actually at 11.5 feet bgs, then why are the monitoring wells screening so far below the water table? Additionally, please explain your ideas for the mechanism of transport for contaminants through native soil. If the water table is located at about 19 feet bgs, then why has the bulk of soil contamination been identified at 11.5 feet bgs from the excavation, and in the 9-10.5 feet bgs range from borings C-2, C-3, and C-4?

Nancy Vukelich  
Re: 997 Grant Ave.  
February 22, 1994  
Page 3 of 3

The above data gaps and questions need to be answered before this office can complete case closure review for the site. If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

A handwritten signature in cursive script, appearing to read "Juliet Shin".

Juliet Shin  
Hazardous Materials Specialist

cc: Edgar Howell-File(JS)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

December 13, 1993

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

STID 775

RE: Petition for Case Closure, for Former Chevron Service  
Station #9-5630, located at 997 Grant Ave., San Lorenzo

Dear Ms. Vukelich,

This office has reviewed Geraghty & Miller, Inc.'s Petition for Case Closure, dated December 1, 1993, for the above site. This office still needs some pertinent pieces of information that were not included in the report, in order to complete our review for case closure. You are required to submit some sort of receipt documenting the disposal of 200 cubic yards of excavated soil to Browning Ferris Industries. Additionally, you are required to submit information documenting that the four former underground storage tanks and associated piping were hauled off site to an appropriate facility.

We need the above additional information before we can complete our assessment of the site for case closure. If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

Juliet Shin  
Hazardous Materials Specialist

cc: Mr. Lawrence E. Cogan  
Ware & Freidenrich  
400 Hamilton Ave.  
Palo Alto, CA 94301

Edgar Howell-File(JS)

# WARE & FREIDENRICH

a professional corporation

Attorneys at Law

400 Hamilton Avenue  
Palo Alto  
California 94301-1825  
(415) 328-6561

December 9, 1993

Facsimile  
(415) 327-3699  
Telex 348-372  
Voice Mail  
(415) 328-1983  
EasyLink  
62756934

Ms. Juliet Shin  
Alameda County Health Care Services  
Department of Environmental Health  
Hazardous Materials Division  
80 Swan Way, Room 200  
Oakland, CA 94621

Re: Former Chevron Service Station No. 9-5630,  
997 Grant Avenue, San Lorenzo, CA (the "Property")

Dear Ms. Shin:

We represent the owners of the above-referenced property. We note that Chevron recently submitted to you their Petition for Case Closure Report dated December 1, 1993. The owners wish to express their support for Chevron's Petition. The owners have received an offer to purchase the property from a buyer who will redevelop it. The buyer is fully aware of the prior use of the property and the investigation and remediation activities which Chevron has conducted on the property. Understandably, the buyer has conditioned its offer on Chevron's receiving case closure from the regulators.

As you know, the owners have closely monitored Chevron's environmental cleanup program at this site. The owners believe that Chevron has been responsive to the requests of Alameda County and the owners regarding the cleanup and monitoring. The owners believe that the County should now approve the site for case closure. Prompt issuance of case closure will pave the way for the property transaction to be concluded, and will allow the currently vacant property to be redeveloped for a better use.

Very truly yours,

WARE & FREIDENRICH  
A Professional Corporation

By:   
Lawrence A. Cogan

LAC:ed  
cc: Walter Baumann, Jr.

↑ (503) 297-7057 (Hamm)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

September 24, 1993

Mr. Mark Miller  
Chevron USA Products Co.  
P.O. Box 5004  
San Ramon, CA 94583-0804

STID 775

Re: The Former Chevron Service Station 9-5630, located at 997  
Grant Avenue, San Lorenzo, California

Dear Mr. Miller,

It is the understanding of this office that you are now Chevron's contact person for investigations at the above site. In response to Nancy Vukelich's letter, dated July 26, 1993, this office reviewed the files for the site to evaluate the potential for site closure after the fourth quarter of monitoring Well C5. It was determined that if the next round of quarterly ground water samples come up nondetect, then you will be required to switch to annual monitoring. Annual monitoring will be required as an assurance that the soil contamination left in place will not impact the ground water.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

A handwritten signature in cursive script, appearing to read "Juliet Shin".

Juliet Shin  
Hazardous Materials Specialist

cc: Richard Hilton  
Sierra Environmental  
P.O. Box 2546  
Martinez, CA 94553

Edgar Howell-File(JS)



# FACSIMILE MESSAGE

CHEVRON U.S.A. PRODUCTS COMPANY  
Northwest 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) 842-8252

Date: SEPTEMBER 1, 1993

To: JULIET SHIN Fax Number: 569-4757  
ACHCS

From: Mark A. Miller Phone No.: (510) 842-8134  
Site Assessment and Remediation Engineer

Subject: SITES FOR DISCUSSION @ 9/22 MTNG. @ 9:00

Comments: JULIET..... I'VE LISTED THE SITES WE'RE  
WORKING ON BELOW WHICH I'D LIKE TO GO  
OVER IN OUR MEETING.

- CHEVRON SS# 9-0504 15900 HESPERIAN BLVD., SAN LORENZO
- CHEVRON SS# 9-2394 15326 HESPERIAN BLVD., SAN LORENZO
- CHEVRON SS# 9-3676 4300 MACARTHUR BLVD., OAKLAND
- CHEVRON SS# 9-1153 3126 FERNSIDE, ALAMEDA
- CHEVRON SS# 9-0100 2428 CENTRAL AVE., ALAMEDA
- CHEVRON SS# 9-0290 1802 WEBSTER, ALAMEDA
- CHEVRON SS# 9-2258 5900 COLLEGE AVE., OAKLAND
- CHEVRON SS# 9-0191 900 OTIS DRIVE, ALAMEDA

NUMBER OF PAGES INCLUDING COVER SHEET 7

Package: PR

S A M P L E   S C R E E N

PAYMENT PROCESSING  
CREATE DIRECT DEPOSIT TAPE

DEMO FURNITURE COMPANY

Press RETURN If You are Sure You Wish to Create This Tape  
OR Press PF16 to Return to Payment Processing Menu

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



*EBH*

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

December 17, 1992

Mark Miller  
Chevron USA Products Co.  
P.O. Box 5004  
San Ramon, CA 94583-0804

STID 775

RE: The Former Chevron Service Station 9-5630, located at 997  
Grant Avenue, San Lorenzo, California

Dear Mr. Miller,

This office has received and reviewed the letter from Groundwater Technology, Inc., dated December 15, 1992, and it appears that the alternative proposed location for the monitoring well, located on the median of Washington Avenue, is acceptable to this office.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Juliet Shin'.

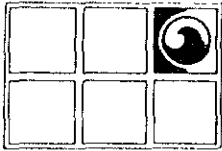
Juliet Shin  
Hazardous Materials Specialist

cc: Richard Hiatt, RWQCB

Tim Watchers  
Groundwater Technology, Inc.  
4057 Port Chicago Hwy.  
Concord, CA 94520

Edgar Howell-File(JS)





**GROUNDWATER  
TECHNOLOGY, INC.**

020203451

4057 Port Chicago Highway, Concord, CA 94520 (415) 671-2387

FAX: (415) 685-9148

December 15, 1992

020203451

Ms. Juliet Shin  
Alameda County Health Care Services Agency  
80 Swan Way, Room 200  
Oakland, California 94621

**RE: FORMER SERVICE STATION 9-5630  
997 GRANT AVENUE, SAN LORENZO**

Dear Ms. Shin:

The proposed monitoring well location presented in the November 3, 1992, Work Plan for Soil and Groundwater Assessment for the referenced site will not be approved by the Road Department, Public Works Agency, County of Alameda. Subsequently a permit to perform the work at the proposed location in the southbound right hand turn lane of Washington Avenue will not be issued. Reasons cited by Bob Preston of the Road Department were; Washington Avenue is a major trucking route and the trucks would be using the southbound right hand turn lane before turning right on to Grant Avenue, concerns about safety during the construction work, and the safety of personnel during routine groundwater monitoring and sampling of the well.

The alternative groundwater monitoring well location proposed on the median of Washington Avenue would be approved by the Road Department (Figure 1). This location is similar to that of the originally proposed monitoring well in the data that it will provide. The alternative location will be safer during construction and during routine monitoring and sampling of the well, and will avoid the disruption of the heavy flow of southbound traffic on Washington Avenue.

Please review the proposed alternative location and contact this office with your response at (510) 671-2387. Groundwater Technology would like to continue with this assessment project in a safe and timely matter.

Sincerely,  
**Groundwater Technology, Inc.**  
Written/Submitted by

*Tim Watchers*

TIM WATCHERS  
Project Geologist

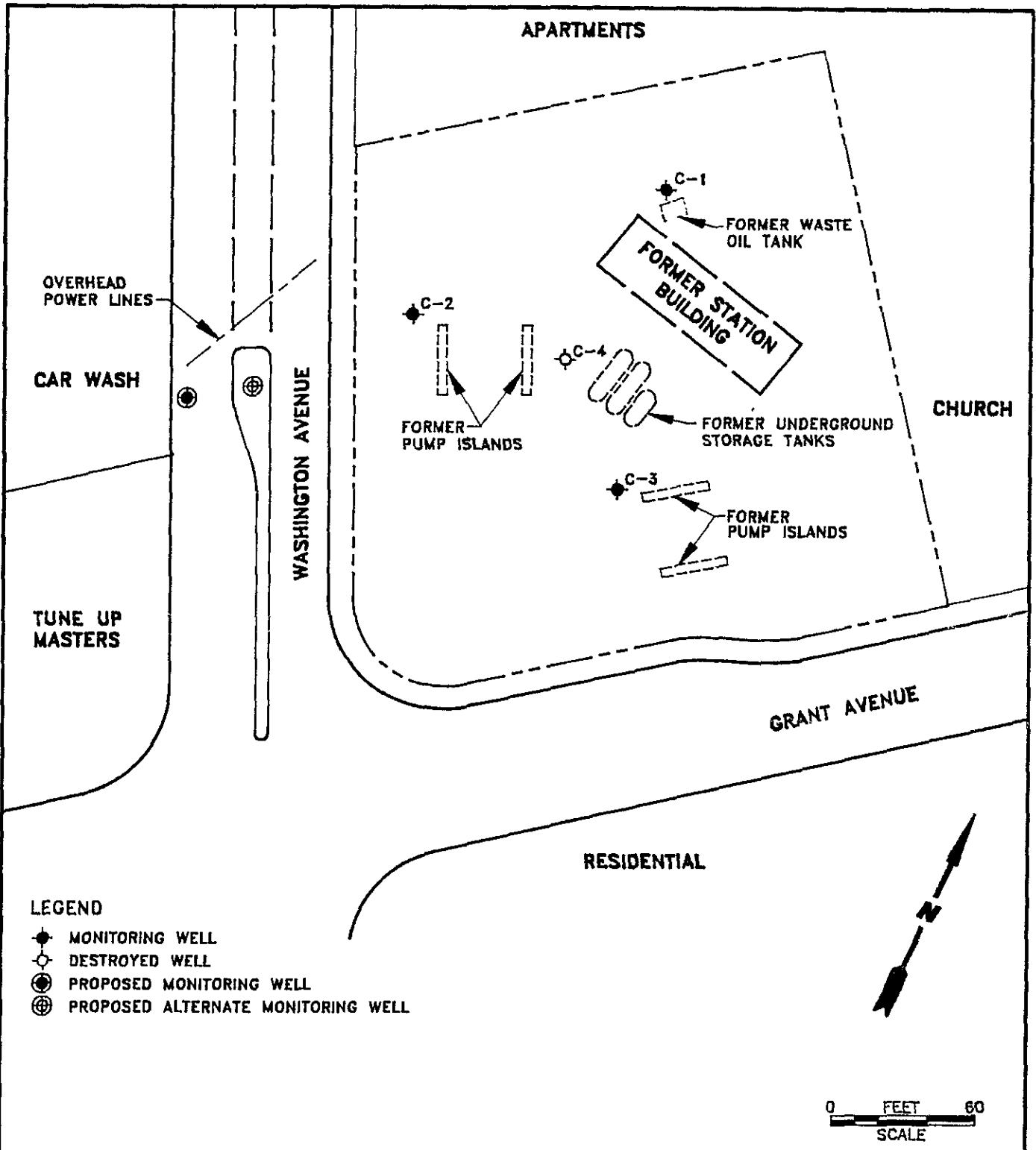
**Groundwater Technology, Inc.**  
Reviewed/Approved by

*Sandra L. Lindsey*

SANDRA L. LINDSEY  
Project Manager

Attachment


cc: Nancy Vukelich ,Chevron USA Products Company, P.O. Box 5004, San Ramon, CA 94583-0804  
Bob Preston, Road Department Public Works Agency, County of Alameda, 399 Elmhurst St,  
Hayward, CA 94544



**LEGEND**

- MONITORING WELL
- ⊙ DESTROYED WELL
- ⊙ PROPOSED MONITORING WELL
- ⊕ PROPOSED ALTERNATE MONITORING WELL



 <b>GROUNDWATER TECHNOLOGY</b>		4037 PORT CHICAGO HWY. CONCORD, CA 94520 (510) 871-2387		<b>SITE PLAN</b>			
<b>CLIENT:</b> CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION No. 9-5630			<b>LOCATION:</b> 997 GRANT AVENUE SAN LORENZO, CALIFORNIA		<b>REV. NO.:</b> 0	<b>DATE:</b> 10/26/92	
<b>PM</b> <i>JAW</i>	<b>PE/RG</b> <i>DKK</i>	<b>DESIGNED</b> TW	<b>DETAILED</b> ML	<b>ACAD FILE:</b> SP1092	<b>PROJECT NO.:</b>	<b>FIGURE:</b> 1	

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

November 10, 1992

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

STID 775

RE: Required work plan for the Former Chevron Service Station  
#9-5630, located at 997 Grant Avenue, San Lorenzo

Dear Mr. Miller,

In June 1992, this Department wrote you a letter requiring that you submit a work plan within 45 days addressing the installation of an additional monitoring well downgradient of Well C-3 and in the vicinity of where a confirmatory soil sample exhibited 270 ppm of hydrocarbons. In a letter from Chevron, dated October 3, 1992, it was stated that a work plan would be submitted to this office no later than October 30, 1992. To this date, this office has not received this work plan.

Please submit a work plan **within 15 days** of the receipt of this letter. Please be advised that this is a formal request for technical reports pursuant to **California Water Code Section 13267 (b)**. Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or RWQCB.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

A handwritten signature in cursive script that reads "Juliet Shin".

Juliet Shin  
Hazardous Materials Specialist

cc: Richard Hiatt, RWQCB

Robert La Grone, Alameda Fire Dept.

Mr. Larry Cogan  
Ware & Freidenrich  
400 Hamilton Avenue  
Palo Alto, CA 94301-1825

Edgar Howell-File(JS)

Mr. Mark Miller  
RE: 997 Grant Ave.  
November 20, 1992  
Page 2 of 2

cc: Richard Hiett, RWQCB

Sandra L. Lindsey  
Groundwater Tech, Inc.  
4057 Port Chicago Hwy  
Concord, CA 94520

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

Mr. Larry Cogan  
Ware & Freidenrich  
400 Hamilton Avenue  
Palo Alto, CA 94301-1825

Edgar Howell-File(JS)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

November 20, 1992

Mark Miller  
Chevron U.S.A., Inc.  
P.O. Box 5004  
San Ramon, CA 94583-0804

STID 775

RE: Work plan for investigations at the Former Chevron Service Station #9-5630, located at 997 Grant Avenue, San Lorenzo, California

Dear Mr. Miller,

This office has received and reviewed the work plan, dated November 18, 1992, for the above site. This office approves of the work plan. If you cannot obtain an encroachment permit for the location of the proposed monitoring well, please inform this office before considering installing the well in the alternate location, since it is not yet certain whether this location meets with the approval of this office.

Field work should commence within 60 days of the receipt of this letter. A report documenting the results from work performed is due to this office within 45 days of completing activities.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

Juliet Shin  
Hazardous Materials Specialist



**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

June 8, 1992

02 JUN 10 1992

Marketing Department

Ms. Juliet Shin  
Alameda County Health Care Services Agency  
80 Swan Way, Room 200  
Oakland, CA 94621

**Re: Former Chevron Service Station #9-5630  
997 Grant Avenue, San Lorenzo**

Dear Ms. Shin:

This letter will serve to formally document our conversation this date regarding the Results of the Corrective Action and Feasibility Assessment Report dated May 12, 1992, submitted to your office on May 18, 1992. As per our conversation, we are in agreement that the scope of corrective action performed at this site has been adequate to restore and protect the current or potential beneficial uses of the waters of the State. Thus, additional corrective action beyond what is addressed in the above mentioned report is unwarranted. However, Alameda County Health Care Services is requesting that an off-site well be installed down-gradient of the residuals that remain in the soils from the sidewall sample collected on the western property boundary; this location is also down-gradient of monitor well C-3. In discussions with Mr. Rich Hiatt, Regional Water Quality Control Board (RWQCB), he is in agreement that our remediation efforts have been satisfactory to the RWQCB in that we have performed extensive remediation of this site, including excavating and treatment to non-detectable levels of over 5,000 cubic yards of soil, and ground water monitoring for assessment of water quality conditions.

Based on our agreement, I have instructed our consultant to prepare a work plan proposing the additional ground water monitor well to assess if the ground water off-site has been impacted. Chevron will continue to monitor this site and report findings on a quarterly basis.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-9581.

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

Nancy Vukelich  
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. Rich Hiatt, RWQCB-Bay Area  
Mr. J.N. Robbins, CHVPK/V1156  
Mr. Chris French, EGE  
Ms. B.C. Owen  
File (9-5630-4)

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



# 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

Date: 7/13/92

To: chris Brumer Fax Number: 370-7959  
Sierra

From: Nancy L. Vukelich Phone No.: (510) 842-9581  
Site Assessment and Remediation Engineer

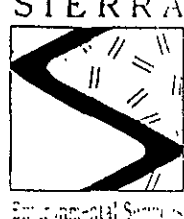
Subject: #9-5630 997 Grant Ave  
SUN LORENZO

Comments: status of results from resampling  
week of 6/29.

Please advise AND fax results.  
thx

NUMBER OF PAGES INCLUDING COVER SHEET 1

COPY



FACSIMILE COVER SHEET

DATE: 7/13/92

FAX NO. \_\_\_\_\_

TO: Chevron USA

ATTENTION: Nancy Vokelich

JOB NO. 1-206-04

RE: SS# 9-5630 997 Grant Ave, San Lorenzo

This transmission is 1 pages long (including this page).

REMARKS: Nancy: Site was re-sampled on 7/2/92, therefore lab results may not be available until late this week.

I will FAX the results as soon as we have them.

If you have any questions, please call me.

Sincerely,  
Sierra Environmental Services

Carol Eaton  
FAX No. (510) 370-7959



ALAMEDA COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

HAZARDOUS MATERIALS DIVISION

M E M O R A N D U M

DATE: June 29, 1992  
TO: Rafat A. Shahid, Ass't Agency Dir.  
FROM: Edgar Howell, Chief, HazMat Division  
SUBJECT: VACATION

---

I will be away from my desk July 20 through the 24th on vacation.  
Ariu Levi will be acting Chief during my absense.  
He can be reached at 271-4320.

cc Tak Shirasawa, Chief Admin.  
Bob Castell, Chief, Oper.  
Dick Pantages, Chief, Household Haz. Waste  
Don Yee, Personnel  
Ariu Levi, Supervising Haz. Mat.

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

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

June 19, 1992

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

STID 775

RE: Former Chevron Service Station #9-5630, located at 997 Grant Avenue, San Lorenzo, California

Dear Ms. Vukelich,

This office received and read the letter from Chevron, dated June 8, 1992. There appears to have been a misunderstanding in your conversations with Mr. Rich Hiett and Ms. Juliet Shin regarding the required work at the above site. This office and RWQCB never agreed that the scope of corrective action performed at the site had been adequate to restore and protect the current or potential beneficial uses of the waters of the State. Before we can make that decision, the extent and severity of the soil and groundwater contamination resulting from the unauthorized release at this site needs to be determined. Per your conversations with this office and RWQCB it was decided that additional soil and groundwater investigations at the site were necessary. The next step of these investigations would be to install a monitoring well immediately downgradient of Well C-3 and the location where a confirmatory soil sample exhibiting 270 ppm was identified.

If the soil samples and/or quarterly groundwater samples collected from this well reveal unacceptable concentrations of contaminants, further steps will have to be taken to adequately define the extent of contamination and to possibly address the mitigation of this problem. On the other hand, if the soil samples collected from this well and at least four additional quarters of groundwater sampling from the monitoring wells do not exhibit unacceptable levels of contamination, than the site could be considered for potential closure.

Per your letter, the work plan for the installation of the additional monitoring well is currently being prepared by your consultants. This work plan shall be submitted to this office within 45 days of the receipt of this letter.

Ms. Nancy Vukelich  
RE: 997 Grant Ave.  
June 15, 1992  
Page 2 of 2

If you have any questions or comments, please contact Ms. Juliet  
Shin at (510) 271-4320.

Sincerely,



Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Richard Hiett, RWQCB

Richard Quarante, Alameda Fire Dept.

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

Mark Thompson, Alameda County District Attorney's Office

Edgar Howell-File (JS)

DATE 6/8/92

CONTACT LOG

FROM: Nancy Ubelich AFFILIATION: Chevron USA Inc.  
TITLE: \_\_\_\_\_ PHONE: 842-9581  
TO: Juliet Shin AFFILIATION: Alameda County  
TITLE: \_\_\_\_\_ PHONE: (510) 271-4320  
RE: ST110 775 - 997 Grant Ave., San Lorenzo

Ms. Ubelich requested Ms. Shin to write a letter to the Property Owner stating that Chevron was responding diligently to mitigating the site & doing what the regulatory agencies have requested of them. Ms. Shin stated that she wasn't certain if she would want to do that. For one reason, because she was uncertain what was discussed in the conversation between Rich Hutt, RWQCB, and Ms. Ubelich. Ms. Shin requested that Ms. Ubelich write a letter to this office stating her understanding of what is currently required of Chevron, by RWQCB, and after that if there are any differences of opinion by this office, that ~~it was~~ they would be discussed w/ Chevron through a letter.

# WARE & FREIDENRICH

a professional corporation

Attorneys at Law

400 Hamilton Avenue  
Palo Alto  
California 94301-1825  
(415) 328-6561

92 MAY 29 PM 9:44

May 29, 1992

Facsimile  
(415) 327-3699  
Telex 348-372  
Voice Mail  
(415) 328-1983  
EasyLink  
62756934

Ms. Juliet Shin  
Alameda County Health Care Services  
Department of Environmental Health  
Hazardous Materials Division  
80 Swan Way, Room 200  
Oakland, CA 94621

Re: Former Chevron Service Station No. 9-5630,  
997 Grant Avenue, San Lorenzo, CA (the "Property")

Dear Ms. Shin:

I am sending this letter on behalf of our client, Walter Baumann, Jr., Trustee, the owner of the Property. We are in receipt of a May 12, 1992 report ("Report") prepared by Environmental Geosciences Engineering ("EGE") for Chevron U.S.A. Inc., whose former gas station operation polluted the soil and groundwater at the Property.

Chevron and EGE have failed to respond to the County's straightforward directives in its December 31, 1991 and April 17, 1992 letters, requiring Chevron to submit workplans for installation of additional monitoring wells and for conducting additional soil investigations. Instead, the Report goes on at great length examining corrective action alternatives, and seeks to justify doing nothing more at the Property other than sampling the existing groundwater monitoring wells for one year. The Report rehashes existing data in support of its conclusions, ignoring the fact that the County had already considered this data when it made its demands for the workplans.

The owner is completely perplexed as to why Chevron is spending substantial time and money on preparing a nonresponsive document such as the Report, rather than putting that time and money towards the required workplans and investigatory work. If Chevron has already done the comprehensive cleanup job claimed by EGE, then the investigations demanded by the County will simply confirm that fact to everyone's satisfaction.

Although there is no need for the owner to comment on the whole Report, since the Report did not respond to the County's directives and the County is better equipped than

Juliet Shin  
May 29, 1992  
Page 2

the owner to evaluate the Report in any event, nevertheless several issues deserve special mention.

First, in repeatedly stressing the "cost-effectiveness" requirements in the Water Code and Title 23 as justifying their virtual no-action conclusion, EGE and Chevron erroneously put the cart before the horse. (In passing, we are compelled to note that underground storage tanks are directly regulated by statutes in the Health and Safety Code, not the Water Code as suggested by EGE and Chevron. See Health and Safety Code §§ 25280, et seq.) Before corrective action alternatives or their cost-effectiveness may be considered, the Property first must be fully investigated "to assess the nature and vertical and lateral extent of the unauthorized release . . ." 23 C.C.R. § 2725(a). The Property is still at this preliminary stage, and until the County and the Regional Board are satisfied that the Property has been properly investigated, it is a waste of effort and money to focus on corrective action issues.

Second, even when the proper time comes to consider a corrective action plan, the primary consideration is not cost-effectiveness, but instead to determine that "the plan will adequately protect human health, safety and the environment and will restore or protect current or potential uses of water." 23 C.C.R. § 2725(c).

Third, despite EGE's lengthy discussion of prior data, we could not adequately determine whether high levels of contaminants remain in the soil at the Property. Section 1 of Figure 9 of the Report seems to suggest that TPH-G has been left in place at concentrations as high as 1,000 ppm.

Fourth, Chevron and EGE have not adequately addressed the potential problem of off-site migration of contaminants. EGE seems to argue that off-site migration is of no concern because groundwater moves slowly and the latest round of groundwater sampling yielded comparatively low levels of contaminants. This simply begs the question as to what happened historically in soil and groundwater. EGE's own data reveals substantial migration of contaminants in soil, as shown by the 270 ppm TPH-G confirmatory sample at 9.5 feet at CX-23S, the westernmost edge of the excavation. Also, couldn't contaminated groundwater have moved off-site in the past? The owner simply wants to make sure that Chevron properly investigates this issue. Obviously, the County shared the owner's concern when issuing its directive letters.

The owner wishes to emphasize that he in no way wishes to make Chevron's job unduly complex or difficult. The owner wants to make sure that the Property is diligently investigated and cleaned up by Chevron in full conformance to regulatory requirements, so



**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

May 18, 1992

Marketing Department

Ms. Juliet Shin  
Alameda County Health Care Services Agency  
80 Swan Way, Room 200  
Oakland, CA 94621

**Re: Former Chevron Service Station #9-5630  
997 Grant Avenue, San Lorenzo**

Dear Ms. Shin:

Chevron is in receipt of the letter received by Mr. Scott Seery dated April 17, 1992 and, pursuant to your request, has retained the firm of Environmental Geosciences Engineering (EGE), a division of Water Resources Associates, Inc. to evaluate subsurface conditions at the site for the purpose of establishing requirements for further corrective action. Alameda County Health Care Services (ACHCS) should be aware that Chevron has already performed extensive remediation of this site, including excavating and treatment to non-detectable levels of over 5,000 cubic yards of soil, installation of a compacted clay line over an area of approximately 10,000 square feet and ground water monitoring for assessment of water quality conditions.

EGE has applied the criteria codified in California Code of Regulations (CCR) Title 23, Article 11, Section 2720 as the basis for validating corrective action requirements. Based upon evaluation of this criteria established by law, it is the judgment of EGE that the scope of Corrective Action performed at this site has been adequate to restore and protect the current or potential beneficial uses of waters of the State. Based upon the detailed assessment of impacts provided in the EGE report, performance of further action is not likely to achieve meaningful greater water quality benefits. The assessment indicates such actions do not meet legal criteria for cost benefit and technical practicality (2725 (b) and (f)), and might actually cause a net loss of water quality benefits.

EGE has also been asked to assess requirements for installation of additional ground water monitor wells. In assessing the requirements for further monitoring and reporting, EGE has applied the criteria codified in Section 13267 (b) of the Porter Cologne Water Quality Control Act. In EGE's judgment, the request for installation of additional monitor wells stands contrary to the legal requirement that the burden, including cost, bear a reasonable relationship to the benefit obtained based upon the the technical observations that (1) the entire site is underlain by a confining strata of extremely low permeability with a calculated maximum possible flow velocity of less than 11-feet per year, (2) the equilateral distribution around the excavated source area of the three (3) site ground water monitor wells is the ideal configuration for the site conditions of essentially flat ground water gradient and potentially variable flow direction and (3) ground water TPH-G concentrations in both the up-gradient and down-gradient wells are at or near non-detectable and that of the well cross-gradient to the source is asymptotically approaching the limit of analytical detection.

With respect to your inquiry pertaining to the presence of residual contamination in site soil, please be advised that the soil concentrations referenced in this letter were obtained during the initial round of excavation. Ninety percent (90%) of the substantive excavation activities occurred following removal of the referenced soil. The presence of elevated constituents detected in soil removed from the excavation is not a measure of concentrations remaining in place. It is standard professional engineering practice to remove elevated concentrations of hydrocarbons. Existing soil concentra-

03-11-92 02:11:26

Oh?

need two (2) remediation to be done "cost-benefit" does not mean escape if it does not produce the same or greater benefit

?

Ms. Juliet Shin  
May 18, 1992  
Page 2

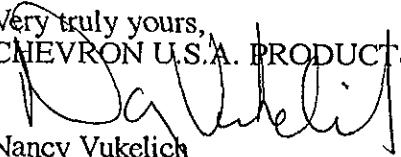
tion data for soil remaining in place indicates the presence of non-detectable concentrations at 14.5-feet. The depth of the excavation was extended to beneath the historic range of fluctuation of the ground water table, whereas the hydrocarbons generally are retained in the capillary fringe above ground water. The affected soil is composed of clay and is overlain by 10-feet of compacted clay. The potential impact of any residual hydrocarbon in site soil, if any, is expected to be negligible. A requirement to re-excavate a compacted clay liner at a strip ratio of 12:1 in order to recover traces of residual hydrocarbon is not supported by the cost benefit criteria codified in CCR Title 23, Article 11, Section 2720, Section 2725 (b) and (f).

compacted  
clay  
liner??

A copy of the EGE report is enclosed for your review and concurrence. The EGE report recommends performance of verification monitoring on a quarterly basis for a period of one year in order to verify that meaningful beneficial uses of the waters of the State remain un-impacted. At completion of the one year period, Chevron will re-evaluate the data and recommend appropriate next actions with respect to sampling frequency modifications or closure.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-9581.

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

  
Nancy Vukelich  
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. Rich Hiett, RWQCB-Bay Area  
Mr. J.N. Robbins, CHVPK/V1156  
Ms. B.C. Owen  
File (9-5630W1)

① Did someone ask Chevron to reexcavate soil?

②

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



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

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

April 17, 1992

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

STID 775

RE: Former Chevron Service Station No. 9-5630, at 997 Grant  
Avenue, San Lorenzo, California

Dear Ms. Vukelich,

This office has received and reviewed the new well survey data for the site. The groundwater gradient has been confirmed as westward, and consequently, we may now evaluate what additional assessment work needs to be conducted at the site.

Groundwater samples collected from on-site Wells C-2, C-3, and C-4 have identified concentrations of benzene, up to 150 ppb, exceeding the State's MCL. Additionally, water samples collected from Well C-3 have identified concentrations of up to 1,100 ppb of TPH as gasoline (TPHg). In order to delineate the extent of the groundwater contaminant plume and to verify that the site is the source of all contaminants detected, it is required that additional monitoring wells be installed. Please submit a workplan for the installation of additional wells **no later than May 31, 1992**. Please include a written timetable defining your time period for installing additional wells, gathering data, and implementing remediation.

Additionally, it was brought to our attention that very high levels of TPHg have been left in the soils at the site. On December 18, 1990, four gasoline underground storage tanks were excavated and removed from the site. According to the Tank Removal Observation Report, dated September 13, 1991, soil samples CX-1B, CX-4B, CX-5B, CX-7B, CX-9B, and CX-10B were collected approximately 11.5 feet below grade from the bottom of this tank excavation area. Analysis of the above soil samples identified elevated concentrations of TPHg at 1,500 ppm, 1700 ppm, 1600 ppm, 1100 ppm, 730 ppm, and 54 ppm. Additionally, concentrations of benzene were detected from all but one of these samples. It appears that further excavation of the tank pit did not occur after these samples were taken, therefore, we can only conclude that the contaminated soil was left in place.

Consequently, you are required to determine the extent of soil contamination at the site. This office requires that you prepare and submit a work plan for the additional soil investigations at the site along with the work plan for the installation of additional wells.

If you have any questions or comments, please contact Juliet Shin at (510) 271-4320.

Sincerely,



Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Richard Hiatt, RWQCB

Gene Walker, Eden Consolidate Fire Dept.

Beth Castleberry  
Ware & Freidenrich  
400 Hamilton Avenue  
Palo Alto, CA 94301-1825

The Chevron logo, consisting of the word "Chevron" in a bold, sans-serif font above a stylized chevron symbol made of three horizontal bars.**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

Date: 4/10/92

To: Juliet Shin Fax Number: 569-4757  
A.C.H.C.S.

From: Nancy L. Yukelich Phone No.: (510) 842-9581  
Site Assessment and Remediation Engineer

Subject: \_\_\_\_\_

Comments: Reference attached letter.

This note is to advise you that I will  
not be able to submit the revised  
gradient data until 4/13 as various  
work obligations have me out of the  
office until 4/14.

Any questions please feel free to contact  
me.

Thank you.

NUMBER OF PAGES INCLUDING COVER SHEET 1

DATE 4/1/92

CONTACT LOG

FROM: Beth Castleberry AFFILIATION: Ware & Frickman  
TITLE: Attorney for Prop. Owner PHONE: (415) 328-6561  
TO: Juliet Stein AFFILIATION: Alameda County  
TITLE: Haz. Mat. Specialist PHONE: (510) 271-4320

RE: STID 775 - Chevron Station 9-5630, located at  
997 Grant Avenue, San Lorenzo, CA

Ms. Stein informed Ms. Castleberry that Chevron will be re-surveying the on-site monitoring wells, and that Ms. Castleberry was copied on a letter sent to Mr. Ubelich regarding re-surveying.

Ms. Castleberry gathered the references that indicate that contaminated soil is still in place at the site. She stated the the references are the following:

- 1) Tank Removal Observation Report,  
Geo-Strategies, Inc., September 13, 1991
  - a) Page 2, under the "UGST Excavation" section. It references 6 samples (CX-1B, CX-4B, CX-5B, CX-7B, CX-9B, & CX-10B) that are contain elevated levels, right at the water level, which were left in place.
- 2) Preliminary Site Assessment/Well Installation Report, Geo-Strategies, Inc., February 8, 1991.
  - a) Table 2 - Gevis soil data for samples taken below the area of excavation (i.e., that were not excavated w/ other soil).

DATE 3/31/92

CONTACT LOG

FROM: Nancy Ushelich AFFILIATION: CHEVRON USA Inc  
TITLE: \_\_\_\_\_ PHONE: (510) 842-9500 9581  
TO: Juliet Shin AFFILIATION: Alameda County  
TITLE: \_\_\_\_\_ PHONE: (510) 271-4320  
RE: STID 775 - Chevron Station 9-5630, 297 Court Ave,  
San Lorenzo, CA

Ms. Ushelich stated that she would have consultants re-survey wells while they were out there at the site repairing well C-2. The surveying information should be available no later than April 10, 1992. Well C-2 apparently had its Christy box damaged along w/ part of the well head. Ms. Shin requested a copy: report of the repairs along w/ surveying results.

**ALAMEDA COUNTY  
HEALTH CARE SERVICES**AGENCY  
DAVID J. KEARS, Agency Director

APR 6 '92 T.L.H.

RAFAT A. SHAHID, Assistant Agency Director

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

March 31, 1992

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

STID 775

RE: Former Chevron Service Station #9-5630  
-----997 Grant Avenue, San Lorenzo

Dear Ms. Vukelich,

Per your conversation with Ms. Juliet Shin of this office on March 31, 1992, Chevron will have the on-site monitoring wells resurveyed in the next week, and the survey information will be made available to Alameda County no later than April 10, 1992. It is understood by this office that after obtaining the new well surveying data, Chevron will make corrections to the past groundwater gradient determinations given in the quarterly groundwater monitoring reports.

Upon receiving the correct groundwater gradients for the past quarters, this office will determine what additional steps Chevron will be required to take to delineate the contaminant plume at the site and to remediate the site.

You may contact Ms. Shin with any questions or comments at (510) 271-4320.

Sincerely,

  
Scott O. Beery, CHMM  
Senior Hazardous Materials Specialist

cc: Eddy So, RWQCB

Beth Castleberry  
Ware & Freidenrich  
400 Hamilton Avenue  
Palo Alto, CA 94301-1825

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

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

March 31, 1992

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

STID 775

RE: Former Chevron Service Station #9-5630  
997 Grant Avenue, San Lorenzo

Dear Ms. Vukelich,

Per your conversation with Ms. Juliet Shin of this office on March 31, 1992, Chevron will have the on-site monitoring wells resurveyed in the next week, and the survey information will be made available to Alameda County no later than April 10, 1992. It is understood by this office that after obtaining the new well surveying data, Chevron will make corrections to the past groundwater gradient determinations given in the quarterly groundwater monitoring reports.

Upon receiving the correct groundwater gradients for the past quarters, this office will determine what additional steps Chevron will be required to take to delineate the contaminant plume at the site and to remediate the site.

You may contact Ms. Shin with any questions or comments at (510) 271-4320.

Sincerely,



Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Eddy So, RWQCB

Beth Castleberry  
Ware & Freidenrich  
400 Hamilton Avenue  
Palo Alto, CA 94301-1825

# Contact Log

DATE: 3/30/92

FROM: Juliet Shiri  
DEPT: Haz Mat Specialist  
TO: Beth Castlebury  
DEPT: Ware & Friedaueich Attorneys at Law  
Phone: (415) 328-6561

Informed her that I

RE:  Received letter & report from her for  
the Chevron Station 9-5630 station, located  
at 997 Grant Avenue.

I informed Ms. Castlebury that I would  
be requesting Chevron to install additional  
wells once I obtain more information  
about the groundwater gradient.



LIST OF CARCINOGENS

CHEMICAL	CHEMICAL ABSTRACTS REGISTRY NUMBER	PERCENT*
2-Acetylaminofluorene .....	53963	1.0
4-Aminodiphenyl .....	92671	0.1
Benzidine (and its salts) .....	92875	0.1
3,3'-Dichlorobenzidine (and its salts).....	91941	1.0
4-Dimethylaminoazobenzene .....	60117	1.0
alpha-Naphthylamine ** .....	134327	1.0
beta-Naphthylamine ** .....	91598	0.1
4-Nitrobiphenyl .....	92933	0.1
N-Nitrosodimethylamine .....	62759	1.0
beta-Propiolactone .....	57578	1.0
bis-Chloromethyl ether .....	542881	0.1
Methyl chloromethyl ether .....	107302	0.1
Ethyleneimine .....	151564	1.0

The following California Administrative Code Carcinogens should also be reported.

- Inorganic Arsenic
- Cadmium
- Ethylenedibromide
- Sodium Arsenite
- Vinyl Chloride
- Dibromidechloropropane
- Ethylene Oxide
- 4-4'-methylene bis (2-chloroaniline)
- Coke Oven Emissions
- Asbestos

\*By weight or volume

\*\*This section does not apply to these materials in operations involving the destructive distillation of carbonaceous materials, such as occurs in coke ovens.

DATE 3/27/92

CONTACT LOG

FROM: Int Nancy Vukelich AFFILIATION: CHEVRON U.S.A. Inc.  
 TITLE: \_\_\_\_\_ PHONE: (415)<sup>570</sup>842-9500 or  
(570)842-9581  
 TO: Juliet Shin AFFILIATION: \_\_\_\_\_  
 TITLE: Haz Mat Spec. PHONE: \_\_\_\_\_  
 RE: STID 775-997 Grant Ave, San Lorenzo

Ms. Vukelich received the letter and report from Ware + Frickman and McHann-Hart, both of which represent the property owner.

Ms. Vukelich stated that she doesn't feel that additional wells are necessary at the site. I suggested that the g.w. gradient determination is necessary to delineate the g.w. contamination at the site. Ms. Vukelich stated that she felt that the concentrations were low enough in the wells to have already concluded the extent of the contaminant plume.

DATE 3/27/92

CONTACT LOG

FROM: Juliet Shin AFFILIATION: \_\_\_\_\_

TITLE: \_\_\_\_\_ PHONE: \_\_\_\_\_

TO: Beth Castleberry AFFILIATION: Ware + Freidenrich

TITLE: Attorney PHONE: (415) 328-6561

RE: STID 775 at 997 Grant Ave, San Francisco

DATE 3/24/92

CONTACT LOG

FROM: Juliet Shin AFFILIATION: Alameda County  
TITLE: Hazardous Materials Specialist PHONE: (510) 271-4530  
TO: Nancy Uebelich AFFILIATION: CHEVRON U.S.A., Inc.  
TITLE: Environmental Engineer PHONE: (510) 842-9500  
RE: STID 775 - Chevron Station #9-5630, 997 Grant Ave,  
San Lorenzo, CA

① In a letter dated January 27, 1992 from Ms. Uebelich requested that the work plan submittal date for the installation of additional monitoring wells be extended from Feb 15, 1992 to May 15, 1992. Ms. Uebelich stated that more time would be required to determine the groundwater flow direction at the site, due to the fact that it's changed directions in the past. Ms. Shin stated that she thought it would be okay to do so. Ms. Uebelich stated that several tests additional groundwater gradients will be determined before the new submittal date.



**Chevron U.S.A. Inc.**

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

Marketing Department

92 JAN 31 11:40

January 27, 1992

Ms. Pamela Evans  
Alameda County Health Care Services Agency  
80 Swan Way, Room 200  
Oakland, CA 94621

**Re: Former Chevron Service Station #9-5630  
997 Grant Avenue, San Lorenzo**

Dear Ms. Evans:

This letter is in response to your letter dated December 31, 1991, received in this office on January 3, 1992, requesting the submittal of a work plan for installation of additional ground water monitor wells no later than February 15, 1992. Chevron must request an extension to the work plan submittal date to be effective February 15, 1992, to terminate on May 15, 1992. This extension is being requested as we feel that ground water flow direction has not yet been confirmed. This is based upon the initial calculation of ground water flow to be in a westerly direction and the two (2) subsequent monitoring events have calculated ground water flow to be in a north-northeasterly direction. At completion of one (1) additional monitoring event we will evaluate the data and recommend appropriate next actions with respect to additional assessment work.

Chevron will continue to sample this site and report findings on a quarterly basis.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-9581.

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

  
Nancy Vukelich  
Environmental Engineer

cc: Mr. Eddy So, RWQCB-Bay Area  
Ms. B.C. Owen  
File (9-5630-1)

Mr. Ron Sykora  
David D. Bohannon Organization  
60 Hillsdale Mall  
San Mateo, CA 94403

**WARE & FREIDENRICH**  
a professional corporation

Attorneys at Law

400 Hamilton Avenue  
Palo Alto  
California 943011825  
(415) 328-6561

92 JAN 17 11:16

Facsimile  
(415) 327-3699  
Telex 348-372  
Voice Mail  
(415) 328-1983  
EasyLink  
62756934

January 16, 1992

B0697-900100

Jon M. Robbins, Esq.  
Counsel: Law Department  
Chevron U.S.A. Inc.  
P.O. Box 5044  
San Ramon, CA 94583-0944

Re: **Former Chevron Station #9-5630, 997 Grant Avenue,  
San Lorenzo, California (the "Property")**

Dear Mr. Robbins:

Enclosed is a letter that we received from the Alameda County Department of Environmental Health regarding the Property owned by our client, Walter Baumann, Jr., Trustee. We forward you a copy in case you were not sent this letter directly. We are presuming that Chevron will be responsible for and will directly reimburse the State Water Resources Control Board for the site specific oversight costs actually incurred while overseeing the cleanup of the Property. We would appreciate receiving from you within the next ten (10) days written confirmation that Chevron will pay these costs directly.

On another matter, I have not yet heard back from you regarding my letter to you of January 6, 1992, in which we requested additional information from Chevron regarding the cleanup of the Property. As that letter indicated, we have retained the consulting firm of McLaren-Hart to assist us in evaluating Chevron's cleanup work to date. Since McLaren-Hart has already begun reviewing the reports and information which were provided to us by Mr. Baumann, we would appreciate receiving copies of any and all additional information which we requested at your earliest convenience so that we may provide the same to McLaren-Hart.

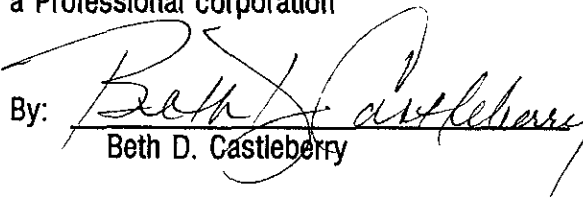
Jon M. Robbins, Esq.  
January 16, 1992  
Page 2

Please feel free to contact me if you have any questions. I look forward to hearing from you.

Very truly yours,

WARE & FREIDENRICH  
a Professional corporation

By:

  
Beth D. Castleberry

BDC/sb

cc: Mr. Walter Baumann, Jr. (w/ encl.)  
Lawrence A. Cogan, Esq. (w/o encl.)  
Ms. Pam Evans (w/ encl.)

**WARE & FREIDENRICH**  
a professional corporation

Attorneys at Law

400 Hamilton Avenue  
Palo Alto  
California 94301-1825  
(415) 328 6561

January 6, 1992

Facsimile  
(415) 327 3699  
Telex 348 372  
Voice Mail  
(415) 328 1983  
EasyLink  
62756934

**B0697-900100**

Jon N. Robbins  
Counsel: Law Department  
Chevron U.S.A., Inc.  
6001 Bollinger Canyon Road  
San Ramon, California 94583-0944

**Re: 997 Grant Avenue, San Lorenzo, California (the "Property"); Former Chevron Service Station #9-5630**

Dear Mr. Robbins:

I am working together with Larry Cogan of our office in representing Mr. Walter Baumann, Jr., Trustee, regarding the Property and Chevron's continuing environmental cleanup of the same.

We appreciated receiving your letter of December 20, 1991, and are encouraged that Chevron is committed to surrendering the Property to Mr. Baumann in clean condition, as required by Chevron's lease contract regarding the Property. Until the Property is clean, Mr. Baumann expects to continue to receive rent payments from Chevron as previously agreed upon with Chevron. Mr. Baumann indicates that Chevron may have ceased rent payments after its payment in November 1991; if this is the case, we request your assistance in arranging for the continuation of the rent payments.

The environmental consulting firm of McLaren-Hart has been retained to help us evaluate the adequacy and completeness of Chevron's cleanup work. In the near future, we expect to provide you with a complete list of information which McLaren-Hart will need to perform such an evaluation. In the interim, we have provided McLaren-Hart with copies of the following reports regarding the Property and Chevron's work:

- 1) Geostrategies, Inc. "Work Plan" dated October 26, 1990;
- 2) Geostrategies, Inc. "Preliminary Site Assessment/Well Report" dated February 8, 1991;
- 3) Geostrategies, Inc. "Tank Removal Observation Report" dated September 13, 1991;
- 4) Sierra Environmental Services Quarterly Groundwater Sampling Report, dated September 23, 1991.



If Chevron or any of its environmental consultants have generated, created or are in possession of any other data, photographs and/or reports regarding the Property and the environmental investigation and cleanup of the same, we need to obtain copies to supply to McLaren-Hart. We would appreciate having you determine whether any such additional data, photographs and/or documentation is in existence, and if so, having you supply us with copies of the same as soon as possible.

In addition to the information included in the four reports listed above, and as part of the more inclusive request for any and all additional information, data, photos and/or reports regarding the Property and Chevron's cleanup of the same, we are specifically interested in obtaining any and all information, data, photos and/or reports about the following:

- Soil excavation and soil treatment at the Property (all planning for excavation and treatment, including the choice of locations for original soil sampling, and all methods and procedures followed);
- The frequency and location of all soil verification samples (regarding residual contamination levels in the excavation pit(s), and regarding the soil in "as treated" condition), and the reasoning behind the same;
- If Chevron imported any soil to the Property, the proof of verification sampling performed on the imported soil to demonstrate that it was clean, and a description of procedures followed;
- The reasoning behind Chevron's decision to stop investigation and excavation of the soil at the existing sidewalks (please note that in Nancy Vukelich's letter to Pam Evans of September 16, 1991, Ms. Vukelich states that "excavation was limited vertically to groundwater and horizontally so as not to jeopardize existing sidewalk structures");
- Any contamination which may have migrated offsite, and any investigation or study of the Property at its perimeters, especially at the sidewalks; and
- Any information about the apparent discrepancy between the reference in the 2/8/91 report that the direction of groundwater flow on the Property is west, and the reference in Nancy Vukelich's letter to Pam Evans at Alameda County of 10/2/91 that the direction of the groundwater flow is north-northeast (and how this may have affected the locations selected for study for groundwater contamination).

Jon N. Robbins  
January 6, 1992  
Page 3

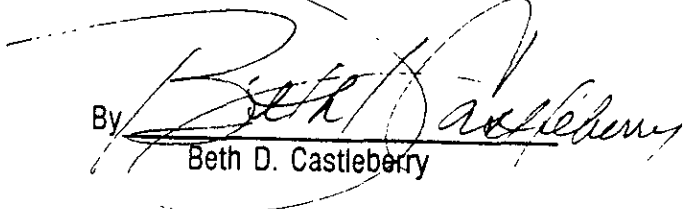
Once they have had an opportunity to review the materials we send them, McLaren-Hart will undoubtedly have additional questions. We expect to be corresponding with you, or with such other project representative as you may suggest, regarding additional information which McLaren-Hart may so request.

We greatly appreciate the cooperation shown by Chevron to date. Please feel free to contact me or Larry Cogan if you should have any questions regarding these matters. In any event, I look forward to hearing from you at your earliest convenience regarding any additional data, photos and/or reports regarding the Property.

Very truly yours,

WARE & FREIDENRICH,  
A Professional Corporation

By

  
Beth D. Castleberry

cc: Lawrence Cogan, Esq.  
Mr. Walter R. Baumann, Jr.

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



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

December 31, 1991

Nancy Vukelich  
Chevron U.S.A. Inc.  
2410 Camino Ramon  
San Ramon CA 94583-0804

STID: 775

RE: **Groundwater Contamination at Former Chevron Station 9-5630  
997 Grant Av., San Lorenzo**

Dear Ms. Vukelich:

I have reviewed the September, 1991 Quarterly Groundwater Sampling Report prepared for the above referenced site. The September groundwater analysis results indicate that high levels of petroleum hydrocarbon contamination exist beneath the site. These findings necessitate that Chevron undertake further investigation to define the contaminant plume. Once the extent of the plume has been better identified, Chevron must take diligent action to contain and mitigate its impact.

You stated in your cover letter to the Report that Chevron would continue to sample the site and report findings on a quarterly basis. You further stated that at the end of one year of sampling, Chevron would evaluate the groundwater data and formulate appropriate actions. **In addition, this office requires that Chevron install additional wells to better define the extent of groundwater contamination.** Please also submit a written timetable defining your time period for installing additional wells, gathering data, and implementing remediation. **You must submit your workplan, including a diagram of proposed well locations, no later than February 15, 1992.**

You may contact me with any questions at (510)271-4320.

Sincerely,

Pamela J. Evans  
Hazardous Materials Specialist

c: Eddy So, Regional Water Quality Control Board  
Beth D. Castleberry, Ware & Freidenrich

LAW OFFICES  
**WARE & FREIDENRICH**  
A PROFESSIONAL CORPORATION  
400 HAMILTON AVENUE  
PALO ALTO, CALIFORNIA 94301-1825

TELEPHONE  
(415) 328-6561

TELEX  
348-372

**FACSIMILE TRANSMISSION COVER SHEET**

FACSIMILE  
(415) 327-3699

CONFIDENTIALITY NOTICE

This FACSIMILE transmission is intended only for the use of the individual or entity named below and may contain information that is confidential, privileged and exempt from disclosure under applicable law. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or use of any of the information contained in this transmission is strictly PROHIBITED. If you have received this transmission in error, please immediately notify us by telephone and mail the original transmission to us at the above address. Thank you.

DATE: December 23, 1991

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET: 3

TO: Ms. Pam Evans

COMPANY: Alameda County Health Care Services Agency

RECEIVING FAX/TELEPHONE NUMBER: (415) 568-3706

FROM: Beth D. Castleberry

RE: Former Chevron Service Station Site - 997 Grant Av, San Lorenzo

FILE NO.: B0697-900100

04580

If you do not receive the page(s) or are disconnected, please call (415) 328-6561.

*Tommy*  
Facsimile Operator, Ext

0000

COMMENTS:

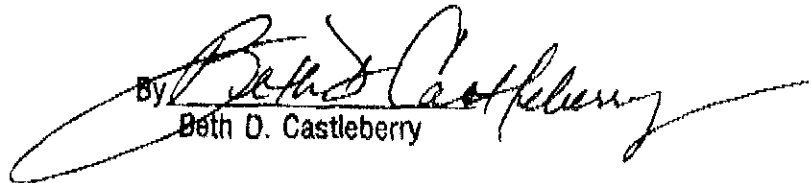
Ms. Pam Evans  
December 23, 1991

Page 2

I look forward to hearing from you, and we will certainly be happy to provide your office with copies of McLaren-Hart's critique of Chevron's work. Please feel free to call me if you have any questions regarding the above.

Very truly yours,

WARE & FREIDENRICH  
A Professional Corporation

By   
Beth D. Castleberry

BDC/sb

cc: Mr. Walter Baumann, Jr.  
Lawrence A. Cogan, Esq.

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

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.		
REPORT DATE 04/08/91		CASE #		SIGNED: <i>Pamela Evans</i> DATE: 4-22-91		
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Nancy Vukelich		PHONE (415) 842-9500		SIGNATURE <i>Nancy Vukelich</i>	
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME CHEVRON USA INC.			
	ADDRESS 2410 CAMINO RAMON STREET SAN RAMON CA 94583					
RESPONSIBLE PARTY	NAME CHEVRON USA, INC. <input type="checkbox"/> UNKNOWN		CONTACT PERSON ( )		PHONE ( )	
	ADDRESS 2410 CAMINO RAMON STREET SAN RAMON CA 94583					
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Former Chevron Service Station #95630		OPERATOR -		PHONE ( ) -	
	ADDRESS 997 Grant Avenue SAN LORENZO ALAMEDA 94580					
	CROSS STREET WASHINGTON		TYPE OF AREA <input checked="" type="checkbox"/> RESIDENTIAL <input type="checkbox"/> COMMERCIAL <input checked="" type="checkbox"/> INDUSTRIAL <input type="checkbox"/> RURAL <input type="checkbox"/> OTHER		TYPE OF BUSINESS <input checked="" type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> FARM <input type="checkbox"/> OTHER Former	
IMPLEMENTING AGENCIES	LOCAL AGENCY Alameda Co. Health Care		AGENCY NAME Alameda Co. Health Care		CONTACT PERSON PAMELA EVANS	
	REGIONAL BOARD Bay Area - RWQCB				PHONE (415) 271-4350	
SUBSTANCES INVOLVED	(1) NAME Gasoline				QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN	
	(2)				<input type="checkbox"/> UNKNOWN	
DISCOVERY/ABATEMENT	DATE DISCOVERED 04/08/91		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input checked="" type="checkbox"/> OTHER Exploratory wells			
	DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER			
	HAS DISCHARGE BEEN STOPPED? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE					
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN		TANKS ONLY/CAPACITY 2-10000 1-6000 GAL		MATERIAL <input checked="" type="checkbox"/> FIBERGLASS <input type="checkbox"/> STEEL <input type="checkbox"/> OTHER	
	<input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		AGE 18 YRS <input type="checkbox"/> UNKNOWN		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> SPILL <input type="checkbox"/> OTHER	
CASE TYPE	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)					
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) <input checked="" type="checkbox"/> CLEANUP IN PROGRESS <input type="checkbox"/> SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> NO FUNDS AVAILABLE TO PROCEED <input type="checkbox"/> EVALUATING CLEANUP ALTERNATIVES					
REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input checked="" type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> OTHER (OT)					
COMMENTS	GROUNDWATER HAS NOT BEEN IMPACTED SIGNIFICANTLY. BENZENE CONCENTRATIONS RANGE FROM ND TO 4 PPB. SOILS HAVE BEEN IMPACTED. TO PREVENT FURTHER TRANSPORT OF THE CONTAMINANTS FROM THE SOIL TO GROUNDWATER WE HAVE INITIATED OVEREXCAVATION OF THE FORMER TANK COMPLEX AND PIPING TRENCHES. THE EXCAVATION HAS BEEN COMPLETED AS THE ND BOUNDARY HAS BEEN ASSESSED. SOILS WILL BE AERATED PER BAAQMS REGULATIONS AND DISPOSED ON-SITE.					

white -env.health  
 yellow -facility  
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Inspection Form

II, III

Site ID # \_\_\_\_\_ Site Name Former Chevron Site Today's Date 2/15/91

Site Address 997 Girant Av

City San Lorenzo Zip 94580 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

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

Comments:

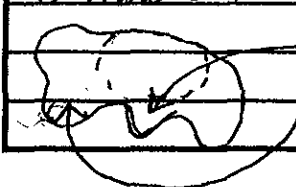
Tanks were removed in December, 1990. Soil + groundwater contamination were found. Since then, field sampling + further excavation has been done to delimit the extent of soil contamination. The pit is now 3-4 times its original size, expanded mainly in W, E + S directions. Today, 8-9 sidewall samples were taken at ~9 1/2'.

Water level in the pit is at ~ 11 feet. Sampler told me that apparently an older set of tanks was removed from the south 1/2 of the Chevron's tank pit. This conclusion is based on presence of non native fill material in this area as well as old pipes. Field samples showed contamination in this area, but not alot. Another area to the west of this section, is thought to have been the site of the former island, as there is much soil contamination.

Probable location of old tanks

Probable location of old island

original excavation



Galantine

new excavation

II, III

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

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

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

Inspector: Janet J. Evans

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

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Sids. 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)

II.B ACUTELY HAZ. MAT'L

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N)
- 14. OffSite Conseq. Assess. 25524(c)
- 15. Probable Rsk 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                       | <input type="checkbox"/> 1. Permit Application 25284 (H&S)                              |
|                               | <input type="checkbox"/> 2. Pipeline Leak Detection 25292 (H&S)                         |
|                               | <input type="checkbox"/> 3. Records Maintenance 2712                                    |
|                               | <input type="checkbox"/> 4. Release Report 2651                                         |
|                               | <input type="checkbox"/> 5. Closure Plans 2670                                          |
| Monitoring for Existing Tanks | 6. Method                                                                               |
|                               | 1) Monthly Test                                                                         |
|                               | 2) Daily Vadose<br>Semi-annual groundwater<br>One time soil                             |
|                               | 3) Daily Vadose<br>One time soil<br>Annual tank test                                    |
|                               | 4) Monthly Groundwater<br>One time soil                                                 |
|                               | 5) Daily Inventory<br>Annual tank testing<br>Cont pipe leak det<br>Vadose/gndwater mon. |
|                               | 6) Daily Inventory<br>Annual tank testing<br>Cont pipe leak det                         |
|                               | 7) Weekly Tank Gauge<br>Annual tank testing                                             |
|                               | 8) Annual Tank Testing<br>Daily Inventory                                               |
|                               | 9) Other _____                                                                          |
| New Tanks                     | <input type="checkbox"/> 7. Precls Tank Test 2643                                       |
|                               | Date: _____                                                                             |
|                               | <input type="checkbox"/> 8. Inventory Rec. 2644                                         |
|                               | <input type="checkbox"/> 9. Soil Testing 2646                                           |
|                               | <input type="checkbox"/> 10. Ground Water. 2647                                         |
|                               | <input type="checkbox"/> 11. Monitor Plan 2632                                          |
|                               | <input type="checkbox"/> 12. Access. Secure 2634                                        |
|                               | <input type="checkbox"/> 13. Plans Submit 2711                                          |
|                               | Date: _____                                                                             |
|                               | <input type="checkbox"/> 14. As Built 2635                                              |
| Date: _____                   |                                                                                         |

WATER RESOURCES CONTROL BOARD  
DIVISION OF WATER QUALITY - UST CLEANUP PROGRAM  
SITE SPECIFIC QUARTERLY REPORT  
01/01/92 THROUGH 03/31/92

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619  
StID : 775  
SITE NAME: Arroyo Chevron #5630 DATE REPORTED : 02/08/91  
ADDRESS : 997 Grant Ave. DATE CONFIRMED: 02/08/91  
CITY/ZIP : San Lorenzo 94580 MULTIPLE RPs : Y

SITE STATUS  
-----

CASE TYPE: G	CONTRACT STATUS: 2	EMERGENCY RESP:
RP SEARCH: S		DATE COMPLETED: 12/23/91
PRELIMINARY ASMNT: U	DATE UNDERWAY: 09/13/91	DATE COMPLETED:
REM INVESTIGATION:	DATE UNDERWAY:	DATE COMPLETED:
REMEDIAL ACTION:	DATE UNDERWAY:	DATE COMPLETED:
POST REMED ACT MON:	DATE UNDERWAY:	DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 12/23/91  
LUFT FIELD MANUAL CONSID: 3HSCAWG  
CASE CLOSED: DATE CASE CLOSED:  
DATE EXCAVATION STARTED : 12/18/90 REMEDIAL ACTIONS TAKEN: ET,ED

RESPONSIBLE PARTY INFORMATION  
-----

RP#1-CONTACT NAME: Walter Baumann Trust  
COMPANY NAME:  
ADDRESS: 60 Hillside Mall  
CITY/STATE: San Mateo, Ca 94403

---

RP#2-CONTACT NAME: Nancy Vukelich  
COMPANY NAME: Chevron U S A , Inc.  
ADDRESS: 2410 Camino Ramon  
CITY/STATE: San Ramon, Ca 94583

---



## ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION

08/05/97

## UNDERGROUND STORAGE TANK CLEANUP SITE

AGENCY#: 10000 SOURCE OF FUNDS: F-FEDERAL INSPECTOR: JM  
 StID: 775 SUBSTANCE: 8006619 -Gasoline  
 SITE NAME: Arroyo Chevron #5630 DATE REPORTED : 02/08/91  
 ADDRESS : 997 Grant Ave DATE CONFIRMED: 02/08/91  
 CITY/ZIP : San Lorenzo, CA 94580 MULTIPLE RP'S : Y

CASE TYPE: O CONTRACT STATUS: 9 PRIOR:1C3 EMERGENCY RESPONSE:

RP SEARCH	: S	DATE END:	12/23/91
PRELIM ASSESSMENT	: C	DATE BEGIN:	09/13/91
REMEDIAL INVESTIG	:	DATE END:	03/12/97
REMEDIAL ACTION	:	DATE BEGIN:	
POST REMED MONITOR:	C	DATE END:	
		DATE BEGIN:	12/05/90
		DATE END:	03/12/97

TYPE ENFORCEMENT ACTION TAKEN: 1 DATE OF ENFORC. ACTION: 12/23/91

## UNDERGROUND STORAGE TANK CLEANUP SITE - SCREEN #2

LUFT FIELD MANUAL CONSIDERATION: 3HSCAWG CASE CLOSED: on:

DT EXC START: 12/18/90 REMEDIAL ACTIONS TAKEN: ET,ED

RP #1: CONTACT: Charlotte Baumann RP COST:  
 RP COMPANY NAME: Trust Ph:  
 ADDRESS: 7104 Canyon Lane S. W.  
 CITY/STATE: Portland CA 97225

ΔHeMENT:

SITE ID#: 775

## ADDITIONAL RP'S

RP #2  
 CONTACT NAME: Mark Miller  
 COMPANY NAME: Chevron U S A , Inc. RP Ph:  
 ADDRESS: 2410 Camino Ramon  
 CITY/ST/ZIP: San Ramon, Ca 94583

Listing all LOP DAILY activities since 1991 for StID # 775  
 as of 08/05/97

Arroyo Chevron #5630 at as of 08/05/97 , San Lorenzo CA 94580

Act91\_4  
 ActivDat Insp ACT Activ StID ActCostF

DATE:

TO : Local Oversight Program

FROM:

SUBJ: Transfer of Eligible Oversight Case

Site name: Chevron 9-5630

Address: 997 Grant av city San Lorenzo zip 94580

Closure plan attached? Y  N  DepRef remaining \$ 110.00

DepRef Project # 3025A STID #(if any) 775

Number of Tanks: 4 removed?  Y  N Date of removal 12-18-90

Samples received?  Y  N Contamination: TPHg + BTEX

Petroleum  Y  N Types: Avgas Jet leaded unleaded Diesel  
fuel oil waste oil kerosene solvents

Monitoring wells on site 3 Monitoring schedule?  Y  N quarterly

LUFT category 1 2 3 \* H S C A R W G O discovers 2-8-91

Briefly describe the following:

Preliminary Assessment GW contamination - including TPHg + BTEX

Remedial Action \_\_\_\_\_

Post Remedial Action Monitoring \_\_\_\_\_

Enforcement Action None - yet

They need more wells to delineate extent of contamination. They have completed a round of GW sampling showing cont., including benzene - but have not proposed to do anything.

white -env.health  
 yellow -facility  
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Inspection Form

II, III

Site ID # \_\_\_\_\_ Site Name Arroyo Chevron Today's Date 12/18/90

Site Address 997 Grant Ave

City San Lorenzo Zip 94500 Phone -0-

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

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR TRANSPORTER # CA0981462119
- II. Business Plans, Acute Hazardous Materials 95630
- III. Underground Tanks

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

Comments:

\* 4 USTs and piping were removed.  
 1- 10,000 gal regular } fibreglas single walled  
 1- 10,000 gal unleaded } tanks  
 1- 6,000 gal premium }  
 1- 1000 gal waste oil - steel - spherical shape  
 \* According to Clyde Galantine of Geostrategies, Inc.,  
 4 soil borings were done onsite in the last two months.  
 Contamination was found ranging from below 100 ppm  
 to ~ 800 ppm in soil. Chevron plans to install four  
 monitoring wells.  
 \* Noticeable petroleum odors, oily sheen could be seen  
 in very damp soil from pit bottom (fuel pit) and on  
 standing water in pit bottom. middle fuel tank  
 had apparent cracks and hole, at least.  
 \* also present at the site at time of removal were:  
 Clyde Galantine + Bob Lauritzen of GSI, Hayward.  
 Cynthia Wong of Chevron, Kirk Stone of R.W. John-  
 ston, James Ferdinand + Vern Brooks of Solon Fire  
 Protection District.

Page 1 of 2 - Continued -

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)

II.B ACUTELY HAZ. MAT'L

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N)
- 14. Offsite Conseq. Assess. 25524(c)
- 15. Probable Rtk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(f)
- 18. Exemption Request? (Y/N) 25534(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 Gndwater 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 2643
  - Date: \_\_\_\_\_
- 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 2711
  - Date: \_\_\_\_\_
- 14. As Built 2635
  - Date: \_\_\_\_\_

Rev 8/88

Contact: Clyde Galantine - GSI, Hayward II, III  
 Title: \_\_\_\_\_ Inspector: Patricia J. Evans  
 Signature: Clyde Galantine Signature: \_\_\_\_\_

white -env.health  
 yellow -facility  
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Inspection Form

II, III

Site ID # \_\_\_\_\_ Site Name Armyco Chevron Today's Date 12/18/90

II.A BUSINESS PLANS (Title 19)

- \_\_\_ 1. Immediate Reporting 2703
- \_\_\_ 2. Bus. Plan Sids 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 997 Grant Av

City San Lorenzo Zip 94500 Phone 0

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

Inspection Categories:

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

II.B ACUTELY HAZ. MAT'S

- \_\_\_ 10. Registration Form Filed 25533(a)
- \_\_\_ 11. Form Complete 25533(b)
- \_\_\_ 12. RMPP 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) \_\_\_\_\_
- \_\_\_ 19. Trade Secret Requested? 25538

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

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<br>Semi-annual groundwater<br>One time soils                               |
|                               | 3) Daily Vadose<br>One time soils<br>Annual tank test                                      |
|                               | 4) Monthly Groundwater<br>One time soils                                                   |
|                               | 5) Daily Inventory<br>Annual tank testing<br>Cont pipe leak det<br>Vadose/groundwater mon. |
|                               | 6) Daily Inventory<br>Annual tank testing<br>Cont pipe leak det                            |
|                               | 7) Weekly Tank Gauge<br>Annual tank testing                                                |
|                               | 8) Annual Tank Testing<br>Daily Inventory                                                  |
|                               | 9) Other _____                                                                             |
| New Tanks                     | ___ 7. Pre-Test Tank Test 2643                                                             |
|                               | Date: _____                                                                                |
|                               | ___ 8. Inventory Rec. 2644                                                                 |
|                               | ___ 9. Soil Testing 2646                                                                   |
| ___ 10. Ground Water. 2647    |                                                                                            |
| ___ 11. Monitor Plan 2632     |                                                                                            |
| ___ 12. Access. Secure 2634   |                                                                                            |
| ___ 13. Plans Submittl 2711   |                                                                                            |
| Date: _____                   |                                                                                            |
| ___ 14. As Built 2635         |                                                                                            |
| Date: _____                   |                                                                                            |

Comments:

\* Tanks were removed from site <sup>by R.W. Johnston +</sup> upon removal & shipped by Erikson to its Richmond facility under manifest.

\* Stockpile soils: Approximately 250-350 yds of soil was removed from pit and pipe trenches. 150 yds<sup>3</sup> of soil - samples were taken. Soil will be removed according to GSI - not to be reused on site.

\* Fuel tank pit samples: 14 samples; 6 bottom and 8 sidewall samples taken from pit. Possible ground water noted at 11'. Two or three puddles of standing water noted. Bottom samples at 11', side walls from between 8-9 1/2'. Water samples taken from pool in pit bottom.

\* Waste Oil Pit: 1 sample from directly below spherical tank at ~11, sidewalls from 7' - 5' Total samples.

\* Pipe trench sampling - from NW island - 4 samples (see map) from South island: Not clear which lines were product + which were vapor lines, so both sets of lines were sampled - 7 total samples, (See map) from S pump island + pipe lines.

Page 2 of 2

Rev 6/88

Contact: Clyde Galantime - GSI, Hayward

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

Signature: Clyde Galantime

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

Signature: Pamela J Evans

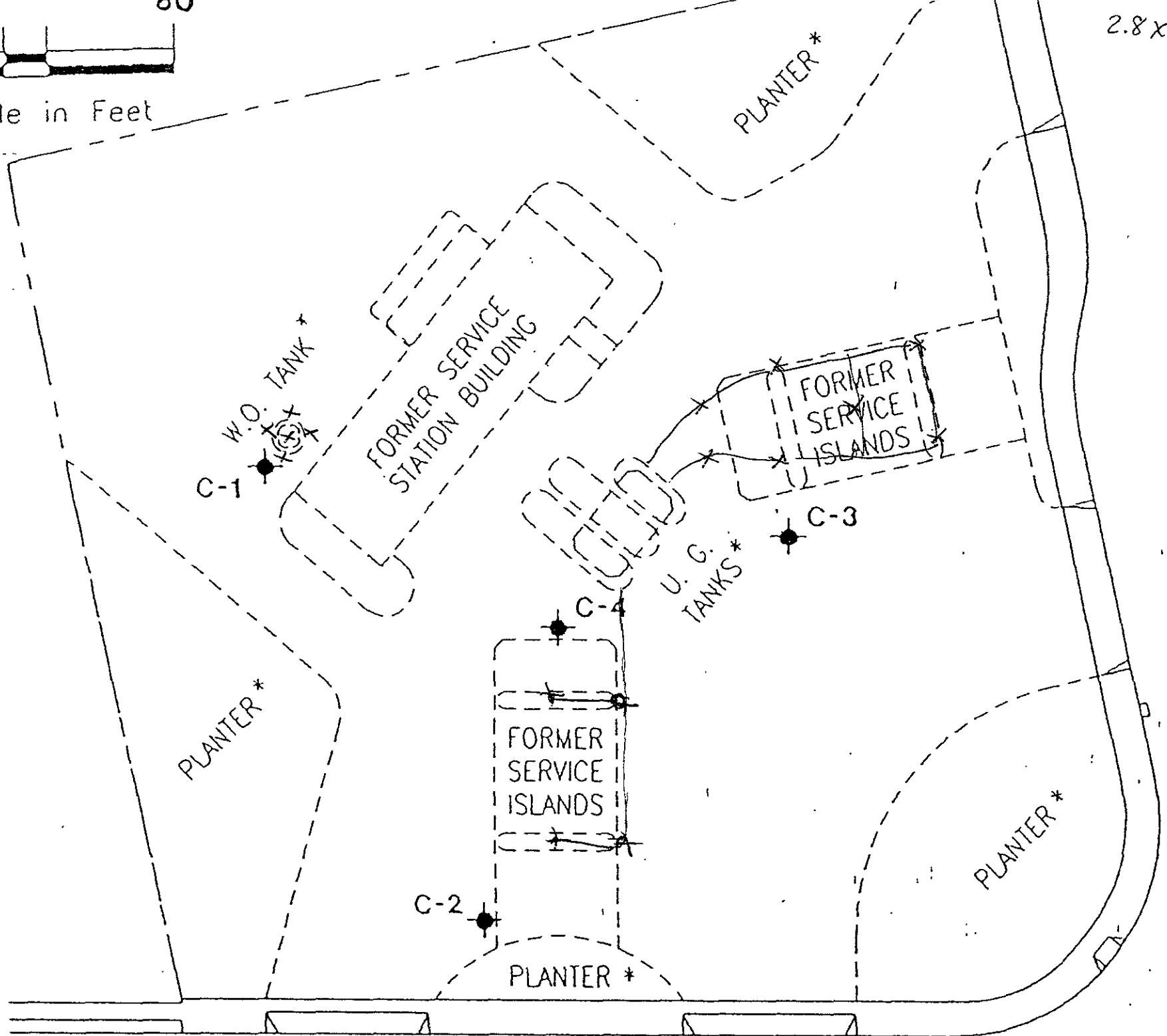
II, III



Scale in Feet

2.8x

GRANT AVENUE



HOSP WASHINGTON AVE

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
DEPARTMENT OF ENVIRONMENTAL HEALTH  
HAZARDOUS MATERIALS DIVISION  
80 SWAN WAY, ROOM 200  
OAKLAND, CA 94621  
PHONE NO. 415/271-4320

1/27/90

ACCEIVED  
DEPARTMENT OF ENVIRONMENTAL HEALTH  
HAZARDOUS MATERIALS DIVISION  
RECEIVED

Form 5  
12/88  
Environmental Health Services  
Hazardous Materials Division  
Underground Tank Closure/Modification Plans  
1. Name of facility  
2. Date of closure/modification  
3. Name of contractor  
4. Name of consultant  
5. Date of permit  
6. Name of permittee  
7. Name of owner  
8. Name of landowner  
9. Name of local agency  
10. Name of state agency  
11. Name of federal agency  
12. Name of other agency  
13. Name of other agency  
14. Name of other agency  
15. Name of other agency  
16. Name of other agency  
17. Name of other agency  
18. Name of other agency  
19. Name of other agency  
20. Name of other agency

57712S  
933-  
Nov 14, 90

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

- 1. Business Name Chevron Service Station  
Business Owner Chevron USA
- 2. Site Address 997 Grant Ave  
City San Lorenzo zip 94580 Phone (415)842-9103
- 3. Mailing Address 2410 Camino Ramon  
City San Ramon zip 94583 Phone (415) 842-9103
- 4. Land Owner BAUMANN REVOCABLE MARTIAL TRUST  
Address 7104 S.W. CANYON LANE City, State PORTLAND OR zip 97225
- 5. EPA I.D. No. CAD981642119
- 6. Contractor RW Johnston & Son  
Address 801-53rd Ave  
City Oakland Ca Phone 261-9424  
License Type A-B ID# 289839
- 7. Consultant Chevron USA  
Address 2410 Camino Ramon  
City San Ramon Phone 842-9500

8. Contact Person for Investigation

Name Violet Cargill Title Environmental Engineer  
Phone 842-9500

9. Total No. of Tanks at facility 4

10. Have permit applications for all tanks been submitted to this office? Yes  No [ ]

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name Erichtson Inc EPA I.D. No. CAD009466392  
Address 255 Park Blvd  
City Richmond State Ca Zip 94801

b) Rinsate Transporter

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

c) Tank Transporter

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

d) Tank Disposal Site

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

e) Contaminated Soil Transporter

Name U.S. Services EPA I.D. No. CAD052453107  
Address 860-92nd Ave.  
City OAKLAND State CA Zip 94603

12. Sample Collector

Name \_\_\_\_\_  
 Company Blaine Tech  
 Address 1370 Tully Rd Suite 505  
 City San Jose State Ca zip 95122 Phone 408-995-5535

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
6,000	Gasoline UL	soil	12' } 2 samples per tank, each end, 12' } not more than 12' } 2' into native 12' } soil beneath tanks
10,000	Gasoline SP	soil	
10,000	Gasoline RG	soil	
1,500	Waste Oil	soil	
	Piping*	Stockpile soils soil	1/20 20 ft 3 1/20 lineal ft

\* Pipe routes are not known with certainty at this time

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

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

15. NFPA methods used for rendering tank inert? Yes [X] No [ ]

If yes, describe. Triple rinse and inert with dry ice 20# per 1,000 gal capacity

An explosion proof combustible gas meter shall be used to verify tank inertness.

16. Laboratories

Name Superior Lab  
 Address 1383 - Fairfax St Suite D  
 City San Francisco State Ca zip 94124  
 State Certification No. \_\_\_\_\_



17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
TPH	EPA 5030	
Gasoline	w/ 8015 GC FID (5030)	
BTX + E	EPA 8020	
TEL	DHS Lu + T GC FID 3550	
Oil & Grease	EPA 5520 D+F	
BTX + E CL HC	8240	8010

18. Submit Site Safety Plan

19. Workman's Compensation: Yes  No [ ]

Copy of Certificate enclosed? Yes  No [ ]

Name of Insurer Republic Indemnity

20. Plot Plan submitted? Yes  No [ ]

21. Deposit enclosed? Yes  No [ ]

22. Please forward to this office the following information within 60 days after receipt of sample results.

- a) Chain of Custody Sheets
- b) Original Signed Laboratory Reports
- c) TSD to Generator copies of wastes shipped and received
- d) Attachment A summarizing laboratory results

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.

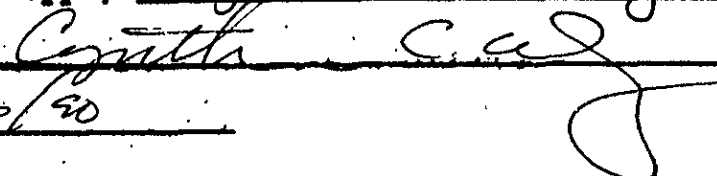
I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel and safety.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. 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.

Signature of Contractor

Name (please type) G. Johnston  
Signature   
Date 11/23/90

Signature of Site Owner or Operator

Name (please type) Cynthia C. Wong  
Signature   
Date 11/6/90

1. Any changes in this document must be approved by this Department.
2. Any leaks discovered must be submitted to this office on an underground storage tank unauthorized leak/contamination site report form within 5 days of its discovery.
3. Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.
4. After approval of plan, notification of at least two (2) working days (48 hours) must be given to this Department prior to removal of tank(s).
5. A copy of your approved plan must be sent to the landowner.
6. Triple rinse means that:
  - a) Final rinse must contain less than 100 ppm of Gasoline (EPA method 8020 for soil, or EPA method 602 for water) or Diesel (EPA method 418.1). Other methods for halogenated volatile organics (EPA method 8010 for soil, EPA method 601 for water) may be required. The composition of the final rinse must be demonstrated by an original or facsimile report from a laboratory certified for the above analyses.
  - b) Tank interior is shown to be free from deposits or residues upon a visual examination of tank interior.
  - c) Tank should be labelled as "tripled rinsed; laboratory certified analysis available upon request" with the name and address of the contractor.

If all the above requirements cannot be met, the tank must be transported as a hazardous waste.

7. Any cutting into tanks requires local fire department approval.

**UNDERGROUND TANK CLOSURE/MODIFICATION PLANS**

**ATTACHMENT A**

**SAMPLING RESULTS**

<b>Tank or Area</b>	<b>Contaminant</b>	<b>Location &amp; Depth</b>	<b>Results (specify units)</b>

**NOTES:**

1. Any changes in this document must be approved by this Department.
2. Any leaks discovered must be submitted to this office on an underground storage tank unauthorized leak/contamination site report form within 5 days of its discovery.
3. Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.
4. After approval of plan, notification of at least two (2) working days (48 hours) must be given to this Department prior to removal of tank(s).
5. A copy of your approved plan must be sent to the landowner.
6. Triple rinse means that:
  - a) Final rinse must contain less than 100 ppm of Gasoline (EPA method 8020 for soil, or EPA method 602 for water) or Diesel (EPA method 418.1). Other methods for halogenated volatile organics (EPA method 8010 for soil, EPA method 601 for water) may be required. The composition of the final rinse must be demonstrated by an original or facsimile report from a laboratory certified for the above analyses.
  - b) Tank interior is shown to be free from deposits or residues upon a visual examination of tank interior.
  - c) Tank should be labelled as "tripled rinsed; laboratory certified analysis available upon request" with the name and address of the contractor.

If all the above requirements cannot be met, the tank must be transported as a hazardous waste.

7. Any cutting into tanks requires local fire department approval.

## INSTRUCTIONS

### 2. SITE ADDRESS

Address at which closure or modification is taking place.

### 5. EPA I.D. NO.

This number may be obtained from the State Department of Health Services, 916/324-1781.

### 6. CONTRACTOR

Prime contractor for the project.

### 7. OTHER

List professional consultants here.

### 12. SAMPLE COLLECTOR

Persons who are collecting samples.

### 13. SAMPLING INFORMATION

Historic contents - the principal product(s) used in the last 5 years.

Material sampled - i.e., water, oil, sludge, soil, etc.

### 16. LABORATORIES

Laboratories used for chemical and geotechnical analyses.

### 17. CHEMICAL METHODS:

All sample collection methods and analyses should conform to EPA or DHS methods.

Contaminant - Specify the chemical to be analyzed.

Sample Preparation Method Number - The means used to prepare the sample prior to analyses - i.e., digestion techniques, solvent extraction, etc. Specify number of method and reference if not an EPA or DHS method.

Analysis Method Number - The means used to analyze the sample - i.e., GC, GC-MS, AA, etc. Specify number of method and reference if not a DHS or EPA method.

#### NOTE:

Method Numbers are available from certified laboratories.

### 18. SITE SAFETY PLAN

A plan outlining protective equipment and additional specialized personnel in the event that significant amount of hazardous materials are found. The plan should consider the availability of respirators, respirator cartridges, self-contained breathing apparatus (SCBA) and industrial hygienists.

**19. ATTACH COPY OF WORKMAN'S COMPENSATION**

**20. PLOT PLAN**

The plan should consists of a scaled view of the facility at which the tank(s) are located and should include the following information:

- a) Scale
- b) North Arrow
- c) Property Line
- d) Location of all Structures
- e) Location of all relevant existing equipment including tanks and piping to be removed
- f) Streets
- g) Underground conduits, sewers, water lines, utilities
- h) Existing wells (drinking, monitoring, etc.)
- i) Depth to ground water
- j) All existing tanks in addition to the ones being pulled

rev. 9/88  
mam

# CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)

08/29/90

**PRODUCER**  
 Putnam, Knudsen  
 & Wieking, Inc.  
 P.O. Box 24205  
 Oakland, CA 94623

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

### COMPANIES AFFORDING COVERAGE

- COMPANY LETTER **A** Fireman's Fund
- COMPANY LETTER **B** Republic Indemnity
- COMPANY LETTER **C**
- COMPANY LETTER **D**
- COMPANY LETTER **E**

**INSURED**  
 R. W. Johnston & Son  
 801 53rd Avenue  
 Oakland, CA 94601

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

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	ALL LIMITS IN THOUSANDS	
					GENERAL AGGREGATE	
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS MADE <input checked="" type="checkbox"/> OCCUR. OWNER'S & CONTRACTOR'S PROT	MXX80387571	09/01/89	09/01/92	GENERAL AGGREGATE	\$ 2,000
	PRODUCTS-COMP/OPS AGGREGATE				\$ 2,000	
	PERSONAL & ADVERTISING INJURY				\$ 1,000	
	EACH OCCURRENCE				\$ 1,000	
	FIRE DAMAGE (Any one fire)				\$ 50	
	MEDICAL EXPENSE (Any one person)				\$ 5	
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS GARAGE LIABILITY	MXA80091783	09/01/90	09/01/91	COMBINED SINGLE LIMIT	\$ 1,000
	BODILY INJURY (Per person)				\$	
	BODILY INJURY (Per accident)				\$	
	PROPERTY DAMAGE				\$	
	EACH OCCURRENCE				\$	
B	EXCESS LIABILITY OTHER THAN UMBRELLA FORM	PC998177	07/01/90	07/01/91	STATUTORY	\$ 1,000 (EACH ACCIDENT)
	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY				\$ 1,000 (DISEASE—POLICY LIMIT)	
					\$ 1,000 (DISEASE—EACH EMPLOYEE)	
	OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS  
 RE: INSURED'S CALIFORNIA OPERATIONS.

JPW/LM/PRS

COPY

**CERTIFICATE HOLDER**  
 ALAMEDA COUNTY HEALTH  
 HAZARDOUS MATERIALS DIV.  
 80 SWAN WAY  
 OAKLAND, CA 91621

**CANCELLATION** : Ten Day Notice for Non-Payment of Premium  
 SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL IMMEDIATELY MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BY FAX OR BY REGISTERED MAIL TO THE ADDRESS SHOWN ON THE POLICY OR TO THE COMPANY'S AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE  
*James P. Wieking, Inc.*



General

1. All persons shall follow these safe practices rules, render every possible aid to safe operations, and report all unsafe conditions or practices to the foreman or superintendent.
2. Foremen shall insist on employees observing and obeying every rule, regulation, and order as is necessary to the safe conduct of the work, and shall take such action as is necessary to obtain observance.
3. All employees shall be given frequent accident prevention instructions. Instructions shall be given at least every 10 working days.
4. Anyone known to be under the influence of drugs or intoxicating substances which impair the employee's ability to safely perform the assigned duties shall not be allowed on the job while in that condition.
5. Horseplay, scuffling, and other acts which tend to have an adverse influence on the safety or well-being of the employees shall be prohibited.
6. Work shall be well planned and supervised to prevent injuries in the handling of materials and in working together with equipment.
7. No one shall knowingly be permitted or required to work while the employee's ability or alertness is so impaired by fatigue, illness, or other causes that it might unnecessarily expose the employee or others to injury.
8. Employees shall not enter manholes, underground vaults, chambers, tanks, silos, or other similar places that receive little ventilation, unless it has been determined that it is safe to enter.
9. Employees shall be instructed to ensure that all guards and other protective devices are in proper places and adjusted, and shall report deficiencies promptly to the foreman or superintendent.
10. Workers shall not handle or tamper with any electrical equipment, machinery, or air or water lines in a manner not within the scope of their duties, unless they have received instructions from their foreman.
11. All injuries shall be reported promptly to the foreman or superintendent so that arrangements can be made for medical or first aid treatment.
12. When lifting heavy objects, the large muscles of the leg instead of the smaller muscles of the back shall be used.
13. Inappropriate footwear or shoes with thin or badly worn soles shall not be worn.
14. Materials, tools, or other objects shall not be thrown from buildings or structures until proper precautions are taken to protect others from the falling objects.
15. Employees shall cleanse thoroughly after handling hazardous substances, and follow special instructions from authorized sources.
16. Work shall be so arranged that employees are able to face ladder and use both hands while climbing.
17. Gasoline shall not be used for cleaning purposes.

## Code of Safety Practices

18. No burning, welding, or other source of ignition shall be applied to any enclosed tank or vessel, even if there are some openings, until it has first been determined that no possibility of explosion exists, and authority for the work is obtained from the foreman or superintendent.
19. Any damage to scaffolds, falsework, or other supporting structures shall be immediately reported to the foreman and repaired before use.
20. All work on gasoline tanks and piping must be done per National Fire Protection Authority regulations.

### Use of Tools and Equipment

21. All tools and equipment shall be maintained in good condition.
22. Damaged tools or equipment shall be removed from service and tagged "DEFECTIVE."
23. Pipe or Stillson wrenches shall not be used as a substitute for other wrenches.
24. Only appropriate tools shall be used for the job.
25. Wrenches shall not be altered by the addition of handle-extensions or "cheaters."
26. Files shall be equipped with handles and not used to punch or pry.
27. A screwdriver shall not be used as a chisel.
28. Wheelbarrows shall not be pushed with handles in an upright position.
29. Portable electric tools shall not be lifted or lowered by means of the power cord. Ropes shall be used.
30. Electric cords shall not be exposed to damage from vehicles.
31. In locations where the use of a portable power tool is difficult, the tool shall be supported by means of a rope or similar support of adequate strength.

### Machinery and Vehicles

32. Only authorized persons shall operate machinery or equipment.
33. Loose or frayed clothing, or long hair, dangling ties, finger rings, etc., shall not be worn around moving machinery or other sources of entanglement.
34. Machinery shall not be serviced, repaired or adjusted while in operation, nor shall oiling of moving parts be attempted, except on equipment that is designed or fitted with safeguards to protect the person performing the work.
35. Where appropriate, lock-out procedures shall be used.
36. Employees shall not work under vehicles supported by jacks or chain hoists, without protective blocking that will prevent injury if jacks or hoists should fail.
37. Air hoses shall not be disconnected at compressors until hose line has been bled.
38. All excavations shall be visually inspected before backfilling, to ensure that it is safe to backfill.
39. Excavating equipment shall not be operated near tops of cuts, banks, and cliffs if employees are working below.

## ● e of Safety Practices ●

40. Tractors, bulldozers, scrapers and carryalls shall not operate where there is possibility of overturning in dangerous areas like edges of deep fills, cut banks, and steep slopes.

### Blasting Operations

1. Any blasting necessary or required shall be subcontracted to a contractor properly licensed and experienced for this work.

✓ For underground gasoline storage tank removals, two fire extinguisher, level c protective clothing and explosimeter will be on site provided by R. W. J. & S.

✓ If contamination is encountered to the extent specified in CFR 1910.120(i)(2)(i) work will be stopped until all necessary protective equipment and qualified consultants are on site before work proceeds.

R.W. JOHNSTON & SON  
801 - 53RD Avenue  
Oakland, CA 94601  
Cal State Contractors Lic#289839

**O.S.H.A. (ACCIDENT PREVENTION PROGRAM) FOR ALL FOREMEN**

- I. Planning for Construction Work**  
In advance of starting any construction work the following should be considered:
- A. Workers and Equipment Access Movement at Work Site**
    - 1. Adequate work areas.
    - 2. Walkways, runways, ladders, stairs and roads.
      - a) clear of debris at all times.
    - 3. All floor, roof and excavation openings shall be protected.
    - 4. When working during darkness provide adequate lighting.
  - B. Location of Temporary Facilities**
    - 1. Consider location of all existing and future utilities when locating temporary office, tool sheds, toilets, and drinking water.
  - C. Schedule Work for Safety**
    - 1. Have all safety equipment ready when needed (shoring, first aid, and personal protective equipment).
    - 2. Plan work so that too many people are not in a small area at the same time.
  - D. Work Procedures**
    - 1. Use proper equipment for each job.
      - a) cranes, fork trucks, back hoes and trucks.
    - 2. Use proper tools specifically designed for the work being done.
    - 3. Train all workers in proper use of tools and equipment.
    - 4. Provide for (tail gate) safety meetings each week, or as necessary.
    - 5. Have adequate manpower available.
    - 6. Post all safety regulations and posters required.

**R. W. JOHNSTON & SON**  
GENERAL CONTRACTORS  
801 - 53RD AVENUE  
OAKLAND, CALIFORNIA 94601

NOVEMBER 23, 1990

Alameda County Health Department  
80 Swan Way  
Oakland, Ca 94621  
Attn: Pam Evans:

Re: Chevron Service Station  
997 Grant Avenue  
San Lorenzo, Ca 94580

Tank Closure Plan for all tanks to be removed at the above location.

1. Obtain all required permits.
2. Schedule tank removal date and time with:
  1. Alameda County Health Department (ACHD)  
(415) 271-4320
  2. Eden Consolidated Fire District (ECFD)  
(415) 670-5853
  3. Blain Tech (BT)  
(408) 995-5535
  4. Erickson, Inc. (ERK)  
(415) 235-1393

Site safety officer shall be Cynthia Wong.

All piping shall be rinsed, removed and hauled off site on a hazardous material manifest by ERK.

3. Remove all product from tanks.
4. Uncover tank and disconnect piping.
5. De-gas tank using dry ice, 20 pounds per thousand, or per local requirements.

Vapor monitoring equipment shall be Lower Explosive Limit monitor/sniffer.

6. Remove tank and inspect for leakage. Load on ERK truck and haul on Hazardous Waste Manifest for cleaning and disposal as scrap.

Chain link fence shall be erected around tank hole until it is

**R. W. JOHNSTON & SON**  
GENERAL CONTRACTORS  
801 - 53RD AVENUE  
OAKLAND, CALIFORNIA 94601

backfilled.

7. If tank pit appears to be free of contamination, BT will take two soil samples from under tank at interface of tank backfill and native soil. Sample will be collected in clean 2" diameter brass tubes, sealed with aluminum foil, plastic caps and tape, and stored in a cooled ice chest for delivery to Superior Lab.

If obvious contamination is found, further excavation will be done to remove all contaminated soil from tank pit. One soil sample will be taken from under the tank at this depth, or as directed by ACHD. If ground water is encountered, one ground water sample will be collected in clean VOA vials, sealed with teflon lined screw caps and tape. additional sidewall samples (6" above ground water table) will be collected as necessary.

Note: if remediation is required, Chevron USA may propose alternate method., other than excavation and disposal.

If contamination is evident, qualified people with ERK will be brought in and will supply themselves with safety equipment, (respirators, etc., as required)

Stockpile sample testing shall be performed at a rate of one test per cubic yard, or as required by BT.

Excavated soil shall be stockpiled on site until test results are obtained. Once test results are obtained, stockpiles will either be hauled off site according to State and local regulations on a hazardous waste manifest, or if clean, used to backfill tank hole.

In case of emergency, Kaiser Permanente Medical Center emergency will be used. 27400 Hesperian Blvd, Hayward, Ca. (415) 784-4251.

"Chain of Custody" is as follows...

BT takes sample and delivers to Superior Laboratory.

Superior will send results to Chevron USA. Chevron will send copies to ACHD, ECFD, and Regional Water Quality Control Board, if required.

George W. Johnston  
R. W. Johnston & Son

**R. W. JOHNSTON & SON**  
**GENERAL CONTRACTORS**  
801 - 53RD AVENUE  
OAKLAND, CALIFORNIA 94601

NOVEMBER 13, 1990

Alameda County Health Department  
80 Swan Way  
Oakland, Ca 94621

Re: Chevron Service Station  
997 Grant Avenue  
San Lorenzo, Ca 94580

Tank Closure Plan for all tanks to be removed at the above location.

1. Obtain all required permits.
2. Schedule tank removal date and time with:
  1. Alameda County Health Department (ACHD)  
(415) 271-4320
  2. Eden Consolidated Fire District (ECFD)  
(415) 670-5853
  3. Blain Tech (BT)  
(408) 995-5535
  4. Erickson, inc. (ERK)  
(415) 235-1393
3. Remove all product from tanks.
4. Uncover tank and disconnect piping.
5. De-gas tank using dry ice, 20 pounds per thousand, or per local requirements.
6. Remove tank and inspect for leakage. Load on ERK truck and haul on Hazardous Waste Manifest for cleaning and disposal as scrap.
7. If tank pit appears to be free of contamination, BT will take two soil samples from under tank at interface of tank backfill and native soil. Sample will be collected in clean 2" diameter brass tubes, sealed with aluminum foil, plastic caps and tape, and stored in a cooled ice chest for delivery to Superior Lab.

**R. W. JOHNSTON & SON**  
**GENERAL CONTRACTORS**  
801 - 53RD AVENUE  
OAKLAND, CALIFORNIA 94601

If obvious contamination is found, further excavation will be done to remove all contaminated soil from tank pit. One soil sample will be taken from under the tank at this depth, or as directed by ACHD. If ground water is encountered, one ground water sample will be collected in clean VOA vials, sealed with teflon lined screw caps and tape. additional sidewall samples (6" above ground water table) will be collected as necessary.

Note: if remediation is required, Chevron USA may propose alternate method., other than excavation and disposal.

"Chain of Custody" is as follows...

BT takes sample and deliver to Superior laboratory.

Superior will send results to Chevron USA. Chevron will send copies to ACHD, ECFD, and Regional Water Quality Control Board, if required.

Richard H. Burge

RHB/jmk