

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



F

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

August 22, 2007

Mr. Tom Bauhs  
Chevron Environmental Management Co.  
Rm. K2204  
6001 Bollinger Canyon Rd.  
San Ramon, CA 94583

Mr. Ardavan Onsoni  
9310 Union City Blvd.  
Union City, CA 94587

Dear Messrs. Bauhs and Onsoni:

Subject: Fuel Leak Case RO0000185 & Global ID T0600102298, Chevron #9-7127,  
0 I-580 & Grant Line Rd., Tracy, CA 95376

Alameda County Environmental Health (ACEH) staff has reviewed the file for the subject site including the May 15, 2007 Corrective Action Plan, prepared by CRA & Associates. This work plan responds to the County's February 26, 2007 letter requesting a new feasibility study/corrective action plan. The corrective action plan evaluated three remediation alternatives; oxygen injection, batch extraction and surfactant injection. The report recommends surfactant injection as the remediation of choice. Prior to approval of this recommended remediation approach, our office has the following technical comments for you to address and request you submit the technical report requested below.

#### TECHNICAL COMMENTS

1. As you are aware, the Central Valley RWQCB has commented to you and CRA regarding their concerns with this technology, see attached May 9, 2006 letter to Mr. Bauhs. Our office echoes the Central Valley Board concerns and request that you provide the following:
  - Work plan for performing a bench scale test using contaminants at the site.
  - Work plan for contaminant characterization- Complete site characterization is essential for proper use of surfactant as a remediation tool. Such information should demonstrate the site subsurface has been completely characterized, and that any contaminant mobilized by surfactant injection will be captured by the extraction system. Such information must include, but not be limited to, capture zone analysis of an operating pump and treat system, cross-sections, maps delineating the contaminant plumes, monitoring well data, vertical and lateral definition of soil and groundwater contamination and gradient. Some of this information is included in your work plan, however, the capture zone analysis and the extent of the contamination in soil and groundwater have not been addressed. From the limited data to date, the site conceptual model stating that contamination is located in the capillary zone, 25-30' bgs has not been demonstrated. Please submit a work plan to complete contaminant characterization and verify the expected capture zone during extraction.

- Details of Surfactant Addition and Monitoring- The work plan states that an infiltration trench approximately 20' in diameter around MW-1 will be constructed to apply the surfactant and groundwater will simultaneously be extracted from this well. This process is based upon assumptions that have not yet been demonstrated. There is the assumptions that the contaminant areas will be adequately contacted, that the surfactant will migrate vertically in a uniform manner, that there will be vacuum influence from the extraction well through the vadose zone and that there will be adequate treatment time between application and extraction. These items will require additional monitoring wells and sampling data from a pilot test to demonstrate the efficacy and control of application. Please explain how these concerns will be addressed.
  - ROWD Application- Please submit a copy of your approved ROWD or a variance from the Water Board to our office prior to initiating any surfactant treatment.
2. CAP and Public Participation Process- Assuming your CAP has been approved by our agency, it must then go out for public comment. Please identify all property owners within a 500' radius of this site and their mailing address so they can be notified of the proposed CAP once it has been accepted by our office. You must also provide a site map indicating the limits of the property owners who have been notified. Alternative, should you resubmit your CAP work plan as interim remediation, to avoid the Public Participation requirement.

#### TECHNICAL REPORT REQUEST

Please submit the following technical report according to the following schedule:

- September 22, 2007- Work Plan for bench pilot test, contaminant characterization, estimate capture zone.
- September 22, 2007- Response to Surfactant Issues/Concerns

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

#### ELECTRONIC SUBMITTAL OF REPORTS

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Please do not submit reports as attachments to electronic mail. Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that

require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website at ([http://www.swrcb.ca.gov/ust/cleanup/electronic\\_reporting](http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting)) for more information on these requirements. In order to facilitate electronic correspondence, we request that you provide up to date electronic mail addresses for all responsible and interested parties. Please provide current electronic mail addresses and notify us of future changes to electronic mail addresses by sending an electronic mail message to me at [barney.chan@acgov.org](mailto:barney.chan@acgov.org).

#### PERJURY STATEMENT

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

#### PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

#### UNDERGROUND STORAGE TANK CLEANUP FUND

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

#### AGENCY OVERSIGHT

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

Messrs. Bauhs and Onson  
August 22, 2007  
Page 4 of 4

If you have any questions, please call me at (510) 567-6765 or Donna Drogos at 510-567-6721.

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

Enclosure: Messrs. Bauhs, Onson & Ms. Chapman

cc: files, D. Drogos

Ms. J'ol Chapman, Cambria Environmental, 2000 Opportunity Drive, Suite 110,  
Roseville, CA 95678

Ms. Vera Fischer, Central Valley RWQCB, 11020 Sun Center Drive, Ste. 200,  
Rancho Cordova, CA 95670-6114

8\_22\_07 1580 Grant Line Rd

120185

C A M B R I A

2007 APR 11 PM 3:26

March 30, 2007

Mr. Barney Chan  
Alameda County Health Care Services (ACHCS), Dept of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502

Alameda County

APR 11 2007

Environmental Health

Re: **Project Manager Contact Change**  
Former Chevron Station 97127  
I-580 & Grant Line Rd  
Tracy, CA



Dear Mr. Barney Chan,

On behalf of Chevron Environmental Management Company (Chevron), Cambria Environmental Technology, Inc. (Cambria) is writing to inform you of management changes regarding the referenced site.

The Chevron project manager is changing from Dana Thurman to Kelly Esters

LI 0002623

- Ms. Kelly Esters, Chevron Environmental Management Company, 6001 Bollinger Canyon Rd, San Ramon, CA 94583, (925) 842-1446, [kesters@chevron.com](mailto:kesters@chevron.com)

Please note these changes, effective immediately, for future correspondence. Thank you for your assistance.

Sincerely,

**Cambria Environmental Technology, Inc.**

Judith Moore  
Office Administrator

cc: Kelly Esters, Chevron Environmental Management Company

**Cambria  
Environmental  
Technology, Inc.**

2000 Opportunity Drive  
Suite 110  
Roseville, CA 95678  
Tel (916) 677-3407  
Fax (916) 677-3687

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



F

February 26, 2007

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

Mr. Ardavan Onsoni  
9310 Union City Blvd.  
Union City, CA 94587

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

Dear Messrs. Thurman and Onsoni:

Subject: Fuel Leak Case RO0000185, Chevron #9-7127, 0 I-580 & Grant Line Rd.,  
Tracy, CA 95376

Alameda County Environmental Health (ACEH) staff has reviewed the file for the subject site and determined that additional remediation will be required to progress this site towards case closure. The ineffectiveness of the belt skimmer in MW-1 and the consistent elevated TPHg and BTEX concentrations in MW-3 indicate that the current approach ie free product removal and natural attenuation cannot successfully remediate the site. The petroleum concentrations in MW-3 appear to be the result of the plume originating from the free product in the area of MW-1. Although a risk-based closure may have been considered in the past, we do not believe closure can be achieved without additional remediation. We have the following technical comments and request you submit the technical report requested below.

#### TECHNICAL COMMENTS

1. Feasibility Study/Interim Corrective Action Plan- As discussed the prior 4/03 FS/CAP recommended free product removal from MW-1 and natural attenuation. Additions of ORC and vacuum extraction from wells MW-1 and MW-3 were also done yet they have not significantly reduced the petroleum contamination at the site. We, therefore request that you evaluate additional corrective actions and submit a new FS/CAP using current available technologies. You should evaluate each considered action based upon its cost and ability to reach clean-up goals in a reasonable time frame. Please include your proposed clean-up goals in your report.

#### TECHNICAL REPORT REQUEST

Please submit your FS/CAP to our office by March 30, 2007.

#### ELECTRONIC SUBMITTAL OF REPORTS

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

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

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

#### PERJURY STATEMENT

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

#### PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

#### UNDERGROUND STORAGE TANK CLEANUP FUND

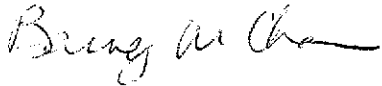
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

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

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

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

cc: files, D. Drogos

Ms. Laura Heberle, Cambria Environmental, 2000 Opportunity Drive, Suite 110,  
Roseville, CA 95678

Ms. Christyl Escarda, Central Valley RWQCB, 11020 Sun Center Drive, Ste. 200,  
Rancho Cordova, CA 95670-6114





Dan Skopec  
Acting Secretary

# California Regional Water Quality Control Board Central Valley Region

Robert Schneider, Chair



Arnold  
Schwarzenegger  
Governor

Sacramento Main Office  
11020 Sun Center Drive #200, Rancho Cordova, California 95670-6114  
Phone (916) 464-3291 • FAX (916) 464-4645  
<http://www.waterboards.ca.gov/centralvalley>

9 May 2006

Mr. Thomas K. Bauhs  
Chevron Products Company  
P.O. Box 6012  
San Ramon, CA 94583

## **APPLICATION/REPORT OF WASTE DISCHARGE (DRAFT), CHEVRON SERVICE STATION 9-2174, 7700 AUBURN BLVD, CITRUS HEIGHTS, SACRAMENTO COUNTY**

The Central Valley Regional Water Quality Control Board (Water Board) staff have received your Application/Report of Waste Discharge General Information Form 200 (ROWD) for injection of surfactants at Chevron Service Station 9-2174, 7700 Auburn Blvd, Citrus Heights, submitted on your behalf by Cambria.

According to Cambria's *Site Conceptual Model and Proposal for Remedial Pilot Testing (SCM)*, dated 4 August 2005, a pilot test to evaluate the effectiveness of applying surfactant compounds to soil and groundwater contamination at the site is proposed. The pilot test has proposed injecting a surfactant into the groundwater, allowing the surfactant to equilibrate, then recovering the surfactant and contaminants dissolved in the groundwater or adsorbed to soils by vacuum extraction.

Water Board staff have reviewed the draft ROWD submitted for the site and have the following comments:

1. A ROWD application is premature at this time. Prior to submitting a ROWD application, a bench scale test needs to be completed and the results evaluated to determine if surfactant technology would be successful at reducing petroleum concentrations at the site. The bench scale test should be conducted using soil and contaminants obtained from the site. A workplan for the bench scale test should be submitted to Sacramento County Environmental Management Department for approval, with Regional Board staff concurrence.
2. The information provided in the application is incomplete and does not provide specific information needed to determine if the proposed surfactant injection will have a negative effect on the beneficial uses of the local groundwater. Section VI, Other

**California Environmental Protection Agency**



Required Information, of the ROWD requests the applicant provide a *complete* characterization of the discharge. No information has been provided that details the injection procedure, recovery procedure, injection locations, best management practices that will be employed, length of test, MSDS sheets, monitoring procedures, etc. All of the information in the ROWD regarding the pilot test procedure is presented as a generalized narrative without substantive content. The application should, for example, contain information such as how the rate of surfactant injection will be determined such that the solution will not mound at the injection point and displace contaminants outward. Currently, the application only says "the rate of application will be low".

3. According to experts in the field of surfactant remediation, and Ivey International, Inc., the manufacturer of the surfactant proposed for use in the pilot test, complete site characterization is essential for proper use of surfactant as a remediation tool. Therefore, information should be provided in the application that demonstrates the site subsurface has been completely characterized, and that any contaminant mobilized by surfactant injection will be captured by an existing extraction system. Such information must include, but not be limited to, capture zone analysis of an operating pump and treat system, cross-sections, maps delineating the contaminant plumes, monitoring well data, vertical and lateral definition of soil and groundwater contamination, gradient and direction of groundwater flow, etc.
4. The ROWD should contain a copy of a bench scale test report, and information on how the results from the bench test will be used for the pilot study.

If you have any questions, please call me at 916-464-4607 or email at [kamaru@waterboards.ca.gov](mailto:kamaru@waterboards.ca.gov).

KATHLEEN AMARU  
Associate Engineering Geologist

cc: Mr. David Herzog, Cambria Environmental Technology, Inc.  
Mr. Jack Bellan, Sacramento County Water Protection Division

C A M B R I A

February 25, 2005

Mr. Barney Chan  
ACHSA  
1131 Harbor Bay Pkwy.  
Tracy, CA 94502-6577

RE: Hwy 580 & Grantline Rd, Tracy  
ACHSCA RO#: 0000185

Dear Mr. Chan:



This letter is to inform you of a change in management for the above-referenced site.

Effective immediately, the new ChevronTexaco project manager will be:

Mr. Mark Inglis  
ChevronTexaco  
6001 Bollinger Canyon Rd., K-2256  
San Ramon, CA 94583  
Phone: 925-842-1589

Please contact either Mr. Mark Inglis or Cambria if you have any questions.

Regards,

Cambria Environmental Technology, Inc.

cc: Mark Inglis, Chevron Texaco

**Cambria  
Environmental  
Technology, Inc.**

5900 Hollis Street  
Suite A  
Emeryville, CA 94608  
Tel (510) 420-0700  
Fax (510) 420-9170

Site #: 97127

R0-185

**Schultz, Robert, Env. Health**

**From:** Streich, Karen (stka) [stka@chevrontexaco.com]  
**Sent:** Tuesday, October 05, 2004 10:29 AM  
**To:** Schultz, Robert, Env. Health  
**Cc:** dtruslow@cambria-env.com  
**Subject:** RE: GeoTracker

I'm positive. We've only got one site in that area. As long as you keep the one that has the data, the other one can be deleted.

Thanks a lot,  
Karen

*Karen Streich*  
*Project Manager, Retail Business Unit*  
925-842-1589  
stka@chevrontexaco.com  
6001 Bollinger Canyon Rd, L2256  
P.O. Box 6012  
San Ramon, CA 94583-2324

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

**From:** Schultz, Robert, Env. Health [mailto:robert.schultz@acgov.org]  
**Sent:** Tuesday, October 05, 2004 10:25 AM  
**To:** Streich, Karen (stka)  
**Subject:** RE: GeoTracker

If you are certain that we are looking at just one site, I can delete the extra entry. Just to be certain, please confirm.

Thank you,  
Bob

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

**From:** Streich, Karen (stka) [mailto:stka@chevrontexaco.com]  
**Sent:** Monday, October 04, 2004 9:33 PM  
**To:** Schultz, Robert, Env. Health; Truslow, Dorothy  
**Subject:** RE: GeoTracker

These are both the same site. Sounds like there was only data in the one listed as 9-7127. Can we just delete the other, since it's a duplicate, or is that a lot more complicated than I realize?

Thanks,  
Karen

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

**From:** Schultz, Robert, Env. Health [mailto:robert.schultz@acgov.org]  
**Sent:** Monday, October 04, 2004 10:50 AM  
**To:** 'Truslow, Dorothy'; Streich, Karen (stka)  
**Subject:** RE: GeoTracker

Go to site/facility finder (1st one under tools). enter city only

10/5/2004

http://geotracker.swrcb.ca.gov/search/luft.asp?  
 business\_name=&main\_street\_number=&main\_street\_name=&city=tracy&county=

first chevron listed - let's get this sorted out and done  
 thanks

[BACK TO SEARCH](#) | [GEOTRACKER HOME](#)

| LUFT Search Results           |                              | 142 records found |             | Page 1 of 5 |                        |                             |
|-------------------------------|------------------------------|-------------------|-------------|-------------|------------------------|-----------------------------|
| SITE NAME                     | ADDRESS                      | CITY              | COUNTY      | STATUS      | REPORT                 | SHOW ON MAP                 |
| 11TH ST W                     | 8111 11TH ST W               | TRACY             | SAN JOAQUIN | OPEN        | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| 7-11 #32262                   | 2360 GRANT LINE ROAD         | TRACY             | SAN JOAQUIN | OPEN        | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| 7-11 STORE #20304             | 455 GRANT LINE RD W          | TRACY             | SAN JOAQUIN | CLOSED      | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| AGRICULTURAL COMMISSION       | 503 10TH ST E                | TRACY             | SAN JOAQUIN | OPEN        | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| AMERICAN TRAN. CORP           | 651 MAC ARTHUR DR S          | TRACY             | SAN JOAQUIN | CLOSED      | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| ARCO #2093                    | 3425 TRACY BLVD N            | TRACY             | SAN JOAQUIN | OPEN        | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| ARCO #6100                    | 25775 PATTERSON PASS RD S    | TRACY             | SAN JOAQUIN | OPEN        | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| B C & D PROPERTY              | 1129 11TH ST W               | TRACY             | SAN JOAQUIN | CLOSED      | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| BEACON (CONOCO/KAYO/FAST GAS) | 153 11TH ST E                | TRACY             | SAN JOAQUIN | OPEN        | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| BILL'S BAIT & BEACON GAS      | 515 11TH ST W                | TRACY             | SAN JOAQUIN | CLOSED      | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| BJJ COMPANY CASE #1           | 757 11TH STREET E            | TRACY             | SAN JOAQUIN | CLOSED      | <a href="#">REPORT</a> |                             |
| BOAT SALES & SERVICE          | 2353 TOSTE RD                | TRACY             | SAN JOAQUIN | OPEN        | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| BOGETTI/PAULSON FARM          | 700 LINNE RD W               | TRACY             | SAN JOAQUIN | CLOSED      | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| BOYD SERVICE CENTER           | 560 TRACY BLVD               | TRACY             | SAN JOAQUIN | OPEN        | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| BP 11194                      | 2375 TRACY BLVD N            | TRACY             | SAN JOAQUIN | OPEN        | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| C & B EQUIPMENT               | 7474 11TH ST W               | TRACY             | SAN JOAQUIN | CLOSED      | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| C. NAVARRA PROPERTY           | 7500 11TH ST W               | TRACY             | SAN JOAQUIN | OPEN        | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| CA HIGHWAY PATROL             | 385 GRANT LINE RD W          | TRACY             | SAN JOAQUIN | OPEN        | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| CAGE-N-PLAY                   | 68 11TH ST E                 | TRACY             | SAN JOAQUIN | OPEN        | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| CALDRON GENERAL STORE         | 12750 BYRON RD W             | TRACY             | SAN JOAQUIN | CLOSED      | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| CALIFORNIA WELDING            | 1000 11TH ST E               | TRACY             | SAN JOAQUIN | CLOSED      | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| CASTLE ROCK FOREST FIRE STN   | 34580 CORRAL HOLLOW RD       | TRACY             | SAN JOAQUIN | CLOSED      | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| CHEVRON                       | UNKNOWN I 580 & GRANTLINE RD | TRACY             | ALAMEDA     | OPEN        | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
| CHEVRON #9-0959               | 103 11TH ST W                | TRACY             | SAN JOAQUIN | CLOSED      | <a href="#">REPORT</a> | <a href="#">SHOW ON MAP</a> |
|                               | 575 GRANT LINE RD            |                   | SAN         |             |                        | <a href="#">SHOW</a>        |

|                     |                     |       |         |        |        |             |
|---------------------|---------------------|-------|---------|--------|--------|-------------|
| CHEVRON #9-8632     | W                   | TRACY | JOAQUIN | OPEN   | REPORT | ON MAP      |
| CHEVRON BANTA       | 22888 KASSON RD     | TRACY | SAN     | OPEN   | REPORT |             |
| TERMINAL-UST        |                     |       | JOAQUIN |        |        |             |
| CLOVER MIDDLE       | 51 BEVERLY PL E     | TRACY | SAN     | CLOSED | REPORT | SHOW ON MAP |
| SCHOOL              |                     |       | JOAQUIN |        |        |             |
| COAST COUNTIES      | 4131 INDUSTRIAL     | TRACY | SAN     | CLOSED | REPORT | SHOW ON MAP |
| EXPRESS             | WAY                 |       | JOAQUIN |        |        |             |
| CORRAL HOLLOW TRUCK | 30600 CORRAL HOLLOW | TRACY | SAN     | CLOSED | REPORT | SHOW ON MAP |
| STOP                | RD                  |       | JOAQUIN |        |        |             |
| COUNTRY MART        | 34243 CHRISMAN RD   | TRACY | SAN     | CLOSED | REPORT | SHOW ON MAP |
| TEXACO              | S                   |       | JOAQUIN |        |        |             |

Jump to page: 1 2 3 4 5

Next 30

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

**From:** Truslow, Dorothy [mailto:dtruslow@cambria-env.com]  
**Sent:** Monday, October 04, 2004 10:48 AM  
**To:** Schultz, Robert, Env. Health; 'Streich, Karen (stka)'  
**Subject:** RE: GeoTracker

I still do not see this site when I search by city only.

Following is the list I get when I search "Request Additional Facilities" using only the City. I do not show any results when I search "View Associated Facilities" using only Tracy as the city.

|                                      |   |        |                           |       |
|--------------------------------------|---|--------|---------------------------|-------|
| <input type="checkbox"/> T0607700011 | BP 11194  | OPEN   | 2375 TRACY BLVD N         | TRACY |
| <input type="checkbox"/> T0607700026 | DEUEL VOCATIONAL INSTITUTION - Maintenance Bldg | OPEN   | 23500 KASSON RD           | TRACY |
| <input type="checkbox"/> T0607700028 | BEACON (CONOCO/KAYO/FAST GAS)                   | OPEN   | 153 11TH ST E             | TRACY |
| <input type="checkbox"/> T0607700036 | ARCO #2093                                      | OPEN   | 3425 TRACY BLVD N         | TRACY |
| <input type="checkbox"/> T0607700047 | RUSSELLS FLOWER PAVILLION                       | CLOSED | 152 11TH ST E             | TRACY |
| <input type="checkbox"/> T0607700095 | FAYETTE MANUFACTURING CORP                      | OPEN   | 7675 11TH ST W            | TRACY |
| <input type="checkbox"/> T0607700097 | SINCLAIR TRUCKING                               | OPEN   | 3780 LINNE RD W           | TRACY |
| <input type="checkbox"/> T0607700102 | SHELL #204-7884-0901                            | OPEN   | 3725 TRACY BLVD N         | TRACY |
| <input type="checkbox"/> T0607700120 | FOOD & LIQUOR                                   | OPEN   | 15 GRANT LINE RD E        | TRACY |
| <input type="checkbox"/> T0607700192 | ARCO #6100                                      | OPEN   | 25775 PATTERSON PASS RD S | TRACY |
| <input type="checkbox"/> T0607700214 | WELDON CHURCH RESIDENCE                         | OPEN   | 104 BEVERLY PL W          | TRACY |
| <input type="checkbox"/> T0607700285 | GEORGE'S SERVICE                                | OPEN   | 1600 DURHAM FERRY RD W    | TRACY |
| <input type="checkbox"/> T0607700322 | STRONG PROPERTY                                 | OPEN   | 5157 BUS LOOP 205 W       | TRACY |
| <input type="checkbox"/> T0607700371 | RMC PACIFIC MATERIALS                           | OPEN   | 30350 TRACY BLVD S        | TRACY |
| <input type="checkbox"/> T0607700373 | ED'S MUFFLER SHOP                               | OPEN   | 595 11TH ST E             | TRACY |
| <input type="checkbox"/> T0607700466 | UNOCAL (FORMERLY SCOTTY'S)                      | OPEN   | 574 GRANT LINE RD W       | TRACY |
| <input type="checkbox"/> T0607700509 | CURTISS PONTIAC-CADILLAC                        | OPEN   | 2450 TOSTE RD             | TRACY |
| <input type="checkbox"/> T0607700535 | CHEVRON #9-0959                                 | CLOSED | 103 11TH ST W             | TRACY |
| <input type="checkbox"/> T0607700536 | SCOTTY'S BAIT & TACKLE #2                       | OPEN   | 2420 GRANT LINE RD W      | TRACY |
| <input type="checkbox"/> T0607700606 | C. NAVARRA PROPERTY                             | OPEN   | 7500 11TH ST W            | TRACY |
| <input type="checkbox"/> T0607700627 | TRACY BLVD CHEVRON                              | OPEN   | 3775 TRACY BLVD N         | TRACY |
| T0607700631                          | REICHS GROCERY                                  | CLOSED | 7505 LINNE RD             | TRACY |

|   |             |                                      |        |                      |       |
|---|-------------|--------------------------------------|--------|----------------------|-------|
| ☐ | T0607700666 | UNOCAL # 0123 (WELLS FARGO PROPERTY) | CLOSED | 1034 CENTRAL AVE     | TRACY |
| ☐ | T0607700670 | CHEVRON #9-8632                      | OPEN   | 575 GRANT LINE RD W  | TRACY |
| ☐ | T0607700797 | BOAT SALES & SERVICE                 | OPEN   | 2353 TOSTE RD        | TRACY |
| ☐ | T0607700807 | J & B MURPHY TRUCKING                | OPEN   | 355 ENTERPRISE       | TRACY |
| ☐ | T0607700846 | POMBO RANCH                          | OPEN   | 24100 LAMMERS RD S   | TRACY |
| ☐ | T0607700893 | 11TH ST W                            | OPEN   | 8111 11TH ST W       | TRACY |
| ☐ | T0607724298 | SHELL SERVICE STATION                | OPEN   | 2375 GRANT LINE      | TRACY |
| ☐ | T0607729562 | 7-11 #32262                          | OPEN   | 2360 GRANT LINE ROAD | TRACY |
| ☐ | T0607791873 | SOUZA II LLC                         | OPEN   | 612 11TH ST W        | TRACY |
| ☐ | T0607793645 | FORMER RESTAURANT                    | OPEN   | 95 11TH ST W         | TRACY |
| ☐ | T0607799502 | PACIFIC BELL                         | CLOSED | 10 12 TH STREET E    | TRACY |

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

From: Schultz, Robert, Env. Health [mailto:robert.schultz@acgov.org]  
 Sent: Monday, October 04, 2004 10:26 AM  
 To: 'Truslow, Dorothy'; 'Streich, Karen (stka)'  
 Subject: RE: GeoTracker

Hi Dorothy:  
 Try an address search using only the city.  
 Bob

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

From: Truslow, Dorothy [mailto:dtruslow@cambria-env.com]  
 Sent: Monday, October 04, 2004 10:19 AM  
 To: Schultz, Robert, Env. Health; 'Streich, Karen (stka)'  
 Subject: RE: GeoTracker

Bob, Karen -

I am unable to locate:

CHEVRON (T0600100288) - (SHOW ON MAP)  
 UNKNOWN I 580 & GRANTLINE RD

In GeoTracker. I copied and pasted the given Global ID into both the "View Associated Facilities" and "Request Additional Facilities" searches.

Global ID T0600102298 is the one listed in the Chevron SAR database for site #9-7127. I could not locate a duplicate listing for the site in the database.

Regards,

Dorothy

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

From: Schultz, Robert, Env. Health [mailto:robert.schultz@acgov.org]  
 Sent: Monday, October 04, 2004 10:04 AM

10/5/2004

To: 'Streich, Karen (stka)'; 'dtruslow@cambria-env.com'  
Subject: RE: GeoTracker

Karen and Dorothy:

Two sites are in Geotracker:

CHEVRON (T0600100288) - (SHOW ON MAP)  
UNKNOWN I 580 & GRANTLINE RD  
TRACY , CA 94550  
ALAMEDA COUNTY

and

CHEVRON #9-7127 (T0600102298)  
I-580 & GRANT LINE RD  
near Tracy , CA 95376

The first one has no electronic data, the second does.

Global id are slightly different. I am required to review and accept all submittals to geotracker, and the state has begun tracking submittal/acceptance. If there are two entries for the same site, that needs to be taken care of. Can you help straighten this out? The locations on the Geotracker map are slightly different - maybe that will help.

Thank you,  
Bob

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

From: Streich, Karen (stka) [mailto:stka@chevrontexaco.com]  
Sent: Friday, October 01, 2004 4:06 PM  
To: Schultz, Robert, Env. Health  
Subject: FW: GeoTracker

206127 is a former AST bulk plant, so data is not uploaded to Geotracker.

9-7127 is in Geotracker. The Global ID is in Dorothy's email, below, so that might help you find it.

Let me know if you need anything else.

Thanks,  
Karen

Karen Streich  
Project Manager, Retail Business Unit  
925-842-1589  
stka@chevrontexaco.com  
6001 Bollinger Canyon Rd, L2256  
P.O. Box 6012  
San Ramon, CA 94583-2324

10/5/2004



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

From: Truslow, Dorothy [mailto:dtruslow@cambria-env.com]  
Sent: Friday, October 01, 2004 2:03 PM  
To: Streich, Karen (stka)  
Subject: RE: GeoTracker

Okay. Apparently only GW Monitoring data has been uploaded for 9-7127. The most recent submission was in May of this year by Gettler Ryan.

If I can be of further assistance, let me know.

Regards,

Dorothy

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

From: Streich, Karen (stka) [mailto:stka@chevrontexaco.com]  
Sent: Friday, October 01, 2004 12:19 PM  
To: Truslow, Dorothy  
Subject: RE: GeoTracker

Thanks a lot, Dorothy. I just approved the access for 9-7127.

206127 is an above-ground storage tank site. Does AST site data go into Geotracker, too, or just USTs?

Thanks,  
Karen

Karen Streich  
Project Manager, Retail Business Unit  
925-842-1589  
stka@chevrontexaco.com  
6001 Bollinger Canyon Rd, L2256  
P.O. Box 6012  
San Ramon, CA 94583-2324

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

From: Truslow, Dorothy [mailto:dtruslow@cambria-env.com]  
Sent: Friday, October 01, 2004 11:42 AM  
To: Streich, Karen (stka)  
Subject: RE: GeoTracker

Hi, Karen -

Searching GeoTracker by address can be frustrating. Searching by Global ID# is the best way to find the specific site you want.

I found 9-7127 in GeoTracker, (Global ID# is: T0600102298) however, Cambria has not uploaded any data for this site. We do not currently have access to it, so I can't see what, if anything, has been uploaded. I've just requested access. If you can log in and grant permission, I can look at the site record.

I can't find 20-6127 in GeoTracker. According to the database, this

site doesn't have a Global ID number and, therefore, has never been entered into the GeoTracker system. Closure for this site was requested on 6/9/2004 from Alameda County Health Care Services Agency.

Regards,

Dorothy

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

From: Streich, Karen (stka) [mailto:stka@chevrontexaco.com]  
Sent: Friday, October 01, 2004 11:17 AM  
To: dtuslow@cambria-env.com  
Subject: FW:

Hi Dorothy,

I met with Alameda County Wed. Bob Schultz is the case worker for my sites in the Livermore Valley area. Attached is a message from him with a couple of sites he can't find in Geotracker. Do you know whether data for these sites is uploaded? If not, why not? If so, is there some search trick Bob needs to know to find the data?

Thanks a lot,  
Karen

Karen Streich  
Project Manager, Retail Business Unit  
925-842-1589  
stka@chevrontexaco.com  
6001 Bollinger Canyon Rd, L2256  
P.O. Box 6012  
San Ramon, CA 94583-2324

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

From: Schultz, Robert, Env. Health [mailto:robert.schultz@acgov.org]  
Sent: Thursday, September 30, 2004 4:46 PM  
To: Streich, Karen (stka)  
Subject:

Hi Karen:

Nice seeing you yesterday. Here are the sites for which I can't locate the geotracker uploads: RO-185, Chevron 9-7127 (Tracy) RO-2466, Chevron 206127 (Alameda) Since the second site is a marine terminal/AST site, I need to confirm that Geotracker uploads are required. Thanks, Bob

\*\*\*\*\*

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

C A M B R I A

Alameda County

JUN 25 2003

June 20, 2003

Environmental Health

Mr. Scott Seery  
Alameda County Health Care Services Agency  
Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

Re: **Remediation System Installation**  
Former Chevron SS 9-7127  
I-580 & Grant Line Road  
Tracy, California  
Cambria Project No. 31D-1656



Dear Mr. Seery:

On behalf of Chevron Products Company (Chevron), Cambria Environmental Technology, Inc. (Cambria) is submitting this letter to notify you that Chevron is implementing the remediation recommendation contained in the document, *Remedial Action Plan and Feasibility Study*, by Delta Environmental Consultants, submitted to you April 30, 2003. This notification is given per our conversation regarding the site on June 20, 2003.

The occurrence of separate phase hydrocarbons (SPH) in well MW-1 prompted the recommendation for installation of a mechanical skimmer system to continually remove SPH from the subsurface. Chevron is contracting with EIC Global Solutions of Alpharetta, Georgia for the installation of a belt skimmer to remediate SPH in the vicinity of the former underground storage tanks (USTs). We hope to have this unit installed and operating by the end of July.

Chevron requests a letter documenting your concurrence with this remedial approach for this site. If you have any questions or comments please contact me at (510) 420-3348.

Sincerely,  
**Cambria Environmental Technology, Inc.**

Robert Foss, R.G.  
Senior Project Geologist

Cambria  
Environmental  
Technology, Inc.

5900 Hollis Street  
Suite A  
Emeryville, CA 94608  
Tel (510) 420-0700  
Fax (510) 420-9170

cc: Ms. Karen Streich, Chevron Products Company

C A M B R I A

Alameda County

JUN 04 2003

June 2, 2003

Environmental Health

Mr. Scott Seery  
Alameda County Health Care Services Agency  
Environmental Health Services  
1131 Harbor Bay Parkway  
Alameda, CA 94502

Re: **Proposed Changes to Scope of Work  
For Groundwater Monitoring & Sampling**  
Former Chevron Station 9-7127  
I-580 & Grantline Road  
Tracy, California  
Cambria Project No. 31D-1656



Mr. Seery:

Cambria Environmental Technology, Inc. (Cambria), on behalf of Chevron Products Company (Chevron) presents this recommendation for modification to the existing scope of work regarding groundwater monitoring and sampling at the site referenced above. The proposed changes and justifications for change are described below. Though sampling frequency changes are proposed, groundwater elevations will continue to be measured in each well to calculate groundwater flow direction and gradient.

WELL

RECOMMENDATION & JUSTIFICATION FOR CHANGE

MW-2

Cease current annual sampling frequency. Last detections (single-digit BTEX) were 5/01 and appear anomalous. Prior detections were in 11/94. Well is consistently cross-gradient of axis of plume. Recommendation is to sample this well bi-annually.

MW-5

Cease current annual sampling frequency. MW-5 has historically ND with minor single-digit BTEX results. Well is located cross-gradient of the plume. Recommendation is to sample this well bi-annually.

MW-6

Cease current semi-annual sampling frequency. Although in an apparent direct down-gradient location with the axis of the dissolved plume, this well has been essentially ND for BTEX constituents, with intermittent minor TPHg concentrations. Due

**Cambria  
Environmental  
Technology, Inc.**

5900 Hallis Street  
Suite A  
Emeryville, CA 94608  
Tel (510) 420-0700  
Fax (510) 420-9170

MW-6

Cease current semi-annual sampling frequency. Although in an apparent direct down-gradient location with the axis of the dissolved plume, this well has been essentially ND for BTEX constituents, with intermittent minor TPHg concentrations. Due to its location in relation to the plume, our recommendation is to sample this well annually.

MW-7

Cease current annual sampling frequency. MW-7 has always been ND since first sampled in February 1996. It has had one anomalous single-digit detection of toluene and xylenes and is located 130 feet perpendicular to the source area. Our recommendation is to cease sampling of this well altogether.

MW-8

Cease current annual sampling frequency. MW-8 has shown one anomalous single-digit detection of BTEX. The well is located 120 feet perpendicular to the source area and is slightly up-gradient of the source area, as well. As with MW-7, our recommendation is to cease sampling of this well altogether.

Current monitoring and sampling frequencies for remaining wells MW-1, MW-3 and MW-4 appear appropriate. No change in scope for these wells is proposed at this time.

## CLOSING

Please review the proposed changes to the current scope of work for monitoring and sampling of former Chevron SS #9-7127. The next semi-annual monitoring and sampling event will occur in November 2003. We anticipate hearing back from you regarding this proposal prior to that event. In the event that we do not receive a response from your office on this matter, it is our intention to implement the proposed changes to the scope of work. If you have any questions or comments regarding the proposal, please contact me at (510) 420-3348.

C A M B R I A

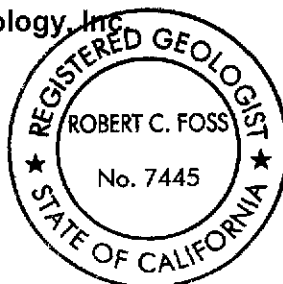
Mr. Scott Seery  
June 2, 2003

Sincerely,

Cambria Environmental Technology, Inc

*Robert C. Foss*

Robert C. Foss, R.G.  
Senior Project Geologist

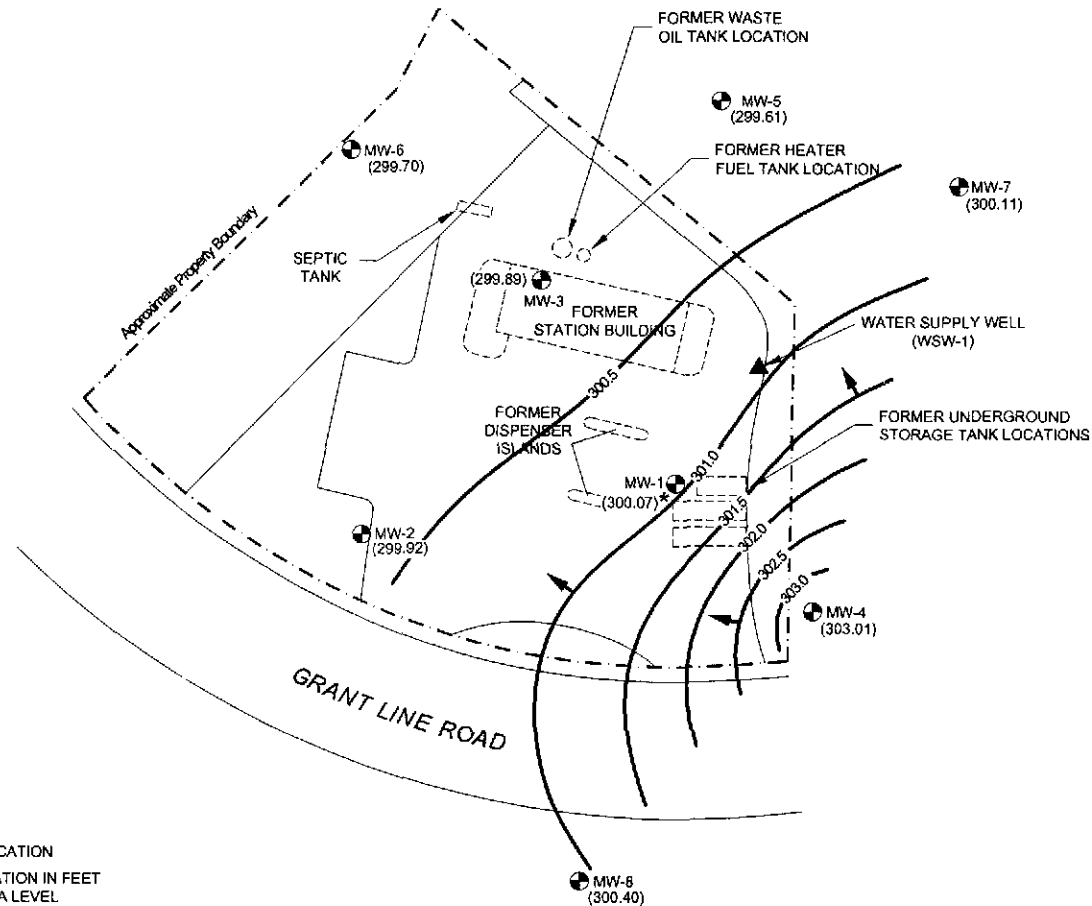
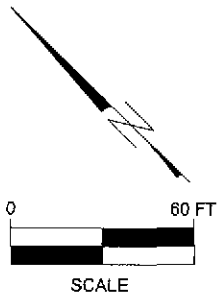


Attachment: A – Figure 8 – Groundwater Elevation Contour Map, 11/8/02  
(From Delta Environmental Consultants)



cc: Karen Streich, ChevronTexaco, P.O. Box 6012, San Ramon, CA 94583

i:\9-7127 Tracy\SFR request 5-03.doc



LEGEND:

- MW-1 MONITORING WELL LOCATION
- (300.07) GROUNDWATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
- 301.5— WATER TABLE CONTOUR IN FEET RELATIVE TO MEAN SEA LEVEL
- ➔ GROUNDWATER FLOW DIRECTION
- \* GROUND WATER ELEVATION CORRECTED FOR PRESENCE OF SINGLE PHASE HYDROCARBONS

FIGURE 8  
GROUNDWATER ELEVATION CONTOUR MAP  
11/8/02

FORMER CHEVRON SERVICE STATION NO. 9-7127  
GRANT LINE ROAD AT INTERSTATE 580  
TRACY, CALIFORNIA

|                         |                         |
|-------------------------|-------------------------|
| PROJECT NO.<br>DG97-127 | DRAWN BY<br>M.L. 4/1/03 |
| FILE NO.<br>DG97127B    | PREPARED BY<br>BIH      |
| REVISION NO.<br>3       | REVIEWED BY             |



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

RO0000185

October 29, 2002

Mr. Karen Streich  
Chevron  
P.O. Box 6004  
San Ramon, CA 94583

Mr. Ardavan Onsori  
29310 Union City Blvd  
Union City, CA 94587

**RE: Feasibility Study for Chevron 9-7127 at I-580 and Grant Line Rd, Tracy, CA**

Dear Ms. Streich and Mr. Onsori:

In February 2002, I requested that a Remedial Action Plan (RAP) be submitted for the above referenced site. Please let me clarify that the RAP should evaluate several technically and economically feasible methods to remediate soil and groundwater, and will adequately protect human health and safety, the environment, eliminate nuisance conditions, and protect water resources. Of the technical methods evaluated, the RAP shall detail the cleanup alternative you plan to implement at the site. The RAP should also propose verification monitoring to confirm completion and or effectiveness of cleanup at the site.

The required RAP is due within 45 days of the date of this letter, or by **December 20, 2002**. If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

email: Ben Heningburg, Delta Environmental



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



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

R00000185

February 7, 2002

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

Mr. Ardavan Onsoni  
29310 Union City Blvd  
Union City, CA 94587

**RE: RAP for Former Chevron 9-7127 at I-580 and Grant Line Rd, Tracy, CA**

Dear Messrs. Bauhs and Onsoni:

I have completed review of Gettler-Ryan's December 2001 *Groundwater Monitoring Sampling Report* prepared for the above referenced site. Onsite monitoring wells were sampled in November 2001. Well MW-1 contained separate phase hydrocarbon and Well MW-3 contained 100,000ppb TPHg and 23,000ppb benzene. A review of historic groundwater data reveals that hydrocarbon concentrations in Well MW-3 are increasing. This suggests that the plume is slowly migrating from the source area (former tank pit) to beyond well MW-3.

Although past investigations completed to date suggest that the plume does not pose a risk to human health and is not likely to impact the lower aquifer (at greater than 300 feet bgs), active remediation is now required to minimize the spread of contamination into previously uncontaminated zones. The prior use of ORC and hydrogen peroxide does not appear to help biodegrade hydrocarbons at the site. At this time, a workplan for the remediation of elevated hydrocarbons in groundwater using another technology is required. The workplan is due within 90 days of the date of this letter, or **by May 13, 2001.**

If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

email: James Brownell

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



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

RO0000185

May 10, 2001

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

**RE: Interim Corrective Action Plan (CAP) for Former Chevron Service Station 9-7127  
at I-580 and Grant Line Road, Tracy, CA**

Dear Mr. Bauhs:

I have completed review of Delta Environmental Consultants, Inc.'s (Delta) May 2001 *Interim Corrective Action Plan* prepared for the above referenced site. Delta proposed to hand-bail separate phase hydrocarbon (SPH) from well MW-1 on a monthly basis. In between the SPH bailing events, a passive product skimmer will be place in MW-1. In addition, Delta proposed to decommission the onsite domestic well. The proposed interim CAP is acceptable.

This office is not in receipt of a semi-annual monitoring report (SMR) since September 2000. Groundwater data from the October 2000 sampling event, however, was included in the May 2001 report. The SMR is past due. In the meantime, you should continue with semi-annual monitoring of all onsite wells. Technical reports are due 60 days upon completion of field work. For the next sampling event, please confirm MTBE and other ether oxygenates using EPA Method 8260.

If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

email: Ben Heningburg

## **Chu, Eva, Env. Health**

---

**From:** Chu, Eva, Env. Health  
**Sent:** April 05, 2001 3:02 PM  
**To:** 'Brownell, James'; 'Bauhs, Tom'  
**Subject:** Former Chevron 9-7127

Hi,

I just wanted an update from you on what actions are planned for the former Chevron site at I-580 and Grantline Road. It appears that ORC didn't have much effect in reducing petroleum hydrocarbon concentrations. And it was not conclusive that H2O2 helped either. We had entertained the thought of continuing with H2O2. As you know, the TPHg and BTEX concentrations are relatively high and the Central RWQCB won't close the case with these levels. Please let me know what your thoughts are.

*evachu*

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

C A M B R I A

ENVIRONMENTAL  
PROTECTION

March 30, 2000

00 MAR -6 AM 10:19

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

Tom Banks - Chevron Contact  
925-842-8898

Re: **Hydrogen Peroxide Injection**  
Former Chevron Service Station 9-7127  
Grant Line Road at Interstate 580  
Tracy, California



Dear Ms. Chu:

On behalf of Chevron Products Company (Chevron), Cambria Environmental Technology, Inc. (Cambria) is pleased to submit this report describing hydrogen peroxide injection into groundwater monitoring wells MW-1 and MW-3 at the above referenced site (Figure 1). The objective of the hydrogen peroxide injection is to reduce the concentration of hydrocarbons in groundwater beneath the site. The site background and details of the hydrogen peroxide injection are presented below.

## SITE BACKGROUND

The site is a former Chevron service station located in a primarily agricultural area at the intersection of Grant Line Road and Interstate 580 in Tracy, California. To date, eight groundwater monitoring wells have been installed on- and off-site.

**Site Setting, Geology, and Hydrology:** The site is essentially flat, approximately 300 feet above mean sea level, and is located about 50 miles east of San Francisco Bay. Site lithology primarily consists of low to moderate estimated permeability clayey sands and sandstone. Groundwater is encountered about 15 feet below grade and flows to the north/northeast at a gradient of 0.006.

Oakland, CA  
San Ramon, CA  
Sonoma, CA  
Portland, OR

## HYDROGEN PEROXIDE INJECTION

To reduce hydrocarbon concentrations in soil and groundwater where the highest concentrations have been found, Cambria mobilized to the site on December 15, 1999 and injected hydrogen peroxide into groundwater monitoring wells MW-1 and MW-3. Work was conducted in accordance with Cambria's August 4, 1999 *Hydrogen Peroxide Injection Workplan*. The workplan was verbally approved by Ms. Eva Chu of the Alameda County Department of Environmental Health (ACDEH).

**Cambria  
Environmental  
Technology, Inc.**

2694 Bishop Drive  
Suite 105  
San Ramon, CA 94583  
Tel (925) 275-3200  
Fax (925) 275-3204

**Site Safety Plan:** Cambria prepared a site safety plan to protect site workers. The plan was kept on site and reviewed and signed by all site workers.

**Permits:** No permits were needed for the hydrogen peroxide injection.

**Hydrogen Peroxide Injection:** Cambria selected groundwater monitoring wells MW-1 and MW-3 for hydrogen peroxide injection. Before injecting peroxide into the wells, Cambria sealed the wellheads and injected compressed air into the wells to fracture the formation around the wells to provide a dispersed pathway for the peroxide. Up to 25 pounds per square inch (psi) of compressed air was injected into each well for up to 20 minutes. After the air injection, Cambria pressure injected hydrogen peroxide into the wells. A specially-fabricated 15-gallon air compressor receiver tank was filled with hydrogen peroxide and plumbed to the wellhead of each injection well. Approximately 15 psi of compressed air was applied to the receiver tank to inject peroxide into the well.

Various concentrations of hydrogen peroxide were injected into the wells. For well MW-1, Cambria injected ten gallons of 3.5 percent peroxide solution into the well, followed by ten gallons of 9 percent solution, ten gallons of 17.5 percent solution, and eight gallons of 35 percent solution. For well MW-3, Cambria injected ten gallons of 3.5 percent peroxide solution, followed by ten gallons of 9 percent solution, and twenty-six gallons of 17.5 percent solution.

For approximately two hours after each injection event, Cambria monitored the temperature and visual effects of oxidation in the wells. Temperature in the wells was measured using a down-hole probe. In well MW-1, the temperature increased to a maximum of 130 degrees Fahrenheit (deg. F). To reduce the temperature in the well, Cambria added ten gallons of water to the well. After water was added to well MW-1, the temperature in the well dropped to 110 deg. F. Observed water temperature in well MW-3 did not exceed 90 deg. F.

**Water Disposal:** No waste water was generated during the hydrogen peroxide injection.

Temp is dependant on heat in solution

Pvc melts at  $\sim 140^{\circ} F$

effective radius <sup>in formation</sup> dependant on organic materials.

Fenton's reagent to create  $OH^{-}$  Only added if no Fe in solution.

2

Not recommend at active stations or where there are subsurface conduits.

Ms. Eva Chu  
March 30, 2000

# C A M B R I A

## CLOSING

We appreciate the opportunity to work with you on this project. Please call Brian Busch at (925) 973-3128 if you have any questions or comments.

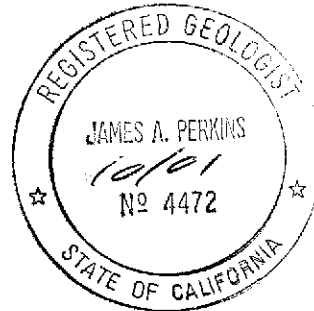
Sincerely,  
**Cambria Environmental Technology, Inc.**



Brian Busch  
Project Environmental Scientist

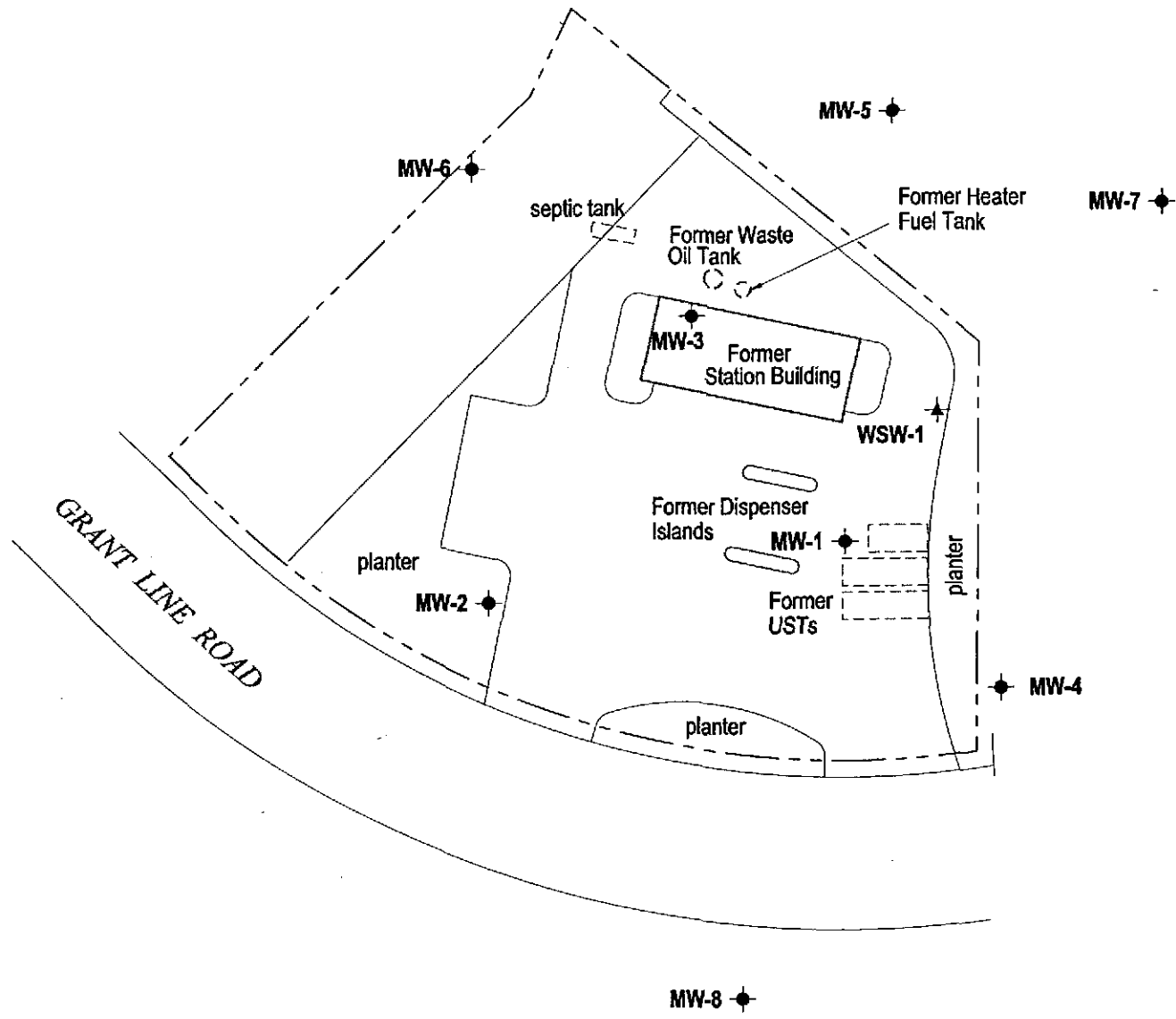


James A. Perkins, R.G.  
Principal Remediation Manager



cc: Mr. Brett Hunter, Chevron Products Company

I:\9-7127 Tracy\H2O2injectionreport.wpd



**EXPLANATION**

- MW-1 ◆ Monitoring well location
- WSW-1 ★ Water Supply Well (Livestock)



FIGURE  
**1**

Former Chevron Service Station No. 9-7127  
 Grant Line Road at Interstate 580  
 Tracy, California



C A M B R I A

Site Map

FIG-7127\FIGURES\SITEPLAN.DWG



3912 Portola Dr. #8, Santa Cruz, CA 95062  
(831) 475-8141 Fax: (831) 475-8249

facsimile transmittal

To: EVA

Company: ALAMEDA COUNTY EMS Phone: (510) 567-4702

From: CHRIS CASTELLI Date:

Project No/Ref: AA 51 Total Pages: 2

Urgent  For Review  Please Comment  Please Reply  Per Request

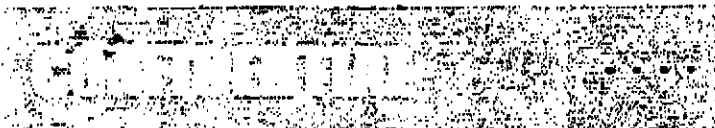
Comments: HI EVA

THIS IS THE RELEASE AGREEMENT  
THAT WE TALKED ABOUT IF YOU  
COULD FILL IT OUT & FAX IT BACK,

I WOULD APPRECIATE IT IF YOU  
HAVE ANY QUESTIONS PLEASE GIVE  
ME A CALL!

THANK YOU

Chris Castelli





DWR SJD FRESNO

ID: 009-445-5370

MAR 08 '99

10:41 No.004 P.02

STATE OF CALIFORNIA - THE RESOURCES AGENCY

GRAY DAVIS, Governor

DEPARTMENT OF WATER RESOURCES

SAN JOAQUIN DISTRICT  
5374 East Whittie Avenue  
Fresno, California 93726-0912  
(559) 446-6443  
(888) 446-6370 (TOLL FREE)



WELL INFORMATION RELEASE AGREEMENT  
(for Use by Governmental Agencies and their Contracted Consultants)

Project GRANTLINE RD. TRACY Contract Number AA 51

County ALAMEDA

Township, Range, and Section \_\_\_\_\_

In order to conduct a study in the above area, we request permission from the Department of Water Resources to inspect or copy Well Completion Reports made pursuant to Section 13751 of the California Water Code and Well Data Reports pertinent to our study which are on file in your office.

In accordance with the requirements of Section 13752 of the Water Code, we agree that information obtained directly from such reports will be kept confidential and will not be disseminated or published without written permission of the well owner. Additionally, we agree that any copies obtained will not be made available for inspection by the public but will be used solely by this governmental agency for conducting this study. Copies obtained will be stamped "CONFIDENTIAL" or "FOR OFFICIAL USE ONLY" and will be kept in a restricted file, access to which is limited to the staff of this governmental agency or our contracted consultants. Upon completion of this work, all copies furnished to our consultants will be returned to this governmental agency.

RRM, INC  
Consultant

3912 PORTOLA DR. STE 8  
Address

SANTA CRUZ, CA. 95062  
City, State, and Zip Code

By Christopher Cottrell  
STAFF GEOLOGIST  
Title

(831) 475-8141  
Telephone

(831) 475-8249  
Fax

3/16/99  
Date

Alameda Co. Environmental Health  
Governmental Agency

1131 Harbor Bay Parkway  
Address

Alameda, CA 94502  
City, State, and Zip Code

By Eva Chu  
Haz Mat Specialist  
Title

(510) 567-6762  
Telephone

(510) 337-9335  
Fax

3/16/99  
Date

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)

StID 4100

February 5, 1999

Mr. Phil Briggs  
Chevron, Building L  
P.O.Box 5004  
San Ramon, CA 94583-0804

**RE: Vertical Extent of Groundwater Contamination at the Former Chevron Service Station at I-580 and Grant Line Road, Tracy, CA**

Dear Mr. Briggs:

I have completed the review of the case file for the above referenced site to determine what issues may need to be addressed before the site can be designated a low risk groundwater case. There appears to be two criteria that does not meet the Central Valley RWQCB's guidance for no further action at a leaking underground storage tank site (the draft Appendix B is enclosed). The two issues that need further interpretation or characterization are:

1. *No existing water supply wells, deeper aquifers, surface waters or other receptors are threatened by pollutants remaining in the aquifer.*

The onsite domestic well contained detectable levels of benzene (up to 6.4ppb) in 1987 and 1989 (see attached table). It is assumed this well is constructed and screened deeper than the onsite groundwater monitoring wells. It must be verified that groundwater contamination has not impacted the deeper aquifer. Therefore, the vertical extent of the contaminant plume must be determined.

2. *The total pollutant mass remaining in the groundwater is decreasing at predicted rates and neither creates, nor threatens to create, a risk to human health and safety or future beneficial uses(s) of the aquifer.*

Onsite groundwater monitoring wells MW-1 and MW-3 continues to contain measurable free product or a heavy sheen. Recent benzene levels were at 24,000ppb. Active remediation appears necessary to reduce the total pollutant mass in groundwater.

A workplan and/or discussion to address the above issues should be submitted to this office for review within 60 days of the date of this letter, or by April 9, 1999. If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

enclosures

chvtrontracy12

5/10/99 - Extension granted for  
submital of WP or discussion to  
May 21, 1999.

Ask ~~to~~ Kristin Bauer  
@ 916/255-3076  
w- RWOCB about  
dos. SKK

Ask JS to review  
if RMM's response  
makes sense.

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



StID 4100

August 3, 1998

Mr. Phil Briggs  
Chevron, Building L  
P.O.Box 5004  
San Ramon, CA 94583-0804

ENVIRONMENTAL HEALTH SERVICES

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

**RE: ORC for Wells at Former Chevron Service Station #9-7127, I-580 and  
Grantline Road Near Tracy, CA**

Dear Mr. Briggs:

Thank you for the submittal of the recent semi-annual monitoring report and charts comparing various indicator parameters across the dissolved plume against BTEX concentrations. Most of the bio-parameters analyzed suggest that intrinsic bioremediation is occurring at the site. Therefore, per your request, you may add Oxygen Releasing Compound (ORC) to the wells located in the plume (MW-1, MW-3, and MW-4). Hopefully, this will expedite plume reduction.

In a recent telephone conversation, you requested a letter approving the construction/development of the site. The LOP program evaluates if there would be any restriction to development due to residual hazardous waste at the site. For this site, it has been determined that volatilization of residual hydrocarbon contamination in soil and groundwater to indoor or outdoor air (for a commercial scenario) does not pose an excess risk to human health. However, there is a potential for contaminants to leach from soil into groundwater. Groundwater ingestion is a problem that will be remedied with the installation of a carbon adsorption canister to the existing water supply line at the time of proposed construction, as we have previously discussed and agreed.

Other aspects of land development, such as the installation of a private sewage disposal system or the availability of a potable water supply, can be addressed by Mr. Joe Winchester (land-use staff). He can be reached at (510) 567-6712.

If you have any other questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

c: Ardavan Onsoni, 29310 Union City Blvd, Union City, CA 94587  
Joe Winchester, ACDEH

chvtrontracy-11



**Chevron**

April 3, 1998

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

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

**Marketing - Sales West**  
Phone 510 842-9500

**Re: Former Chevron Service Station #9-7127  
Interstate 580 and Grantline Road  
Near Tracy, California**

*Can try closure but not likely  
w/ CV R/QCB.  
Can, however, advise sampling to  
(x/glas, in the spring -*

Dear Ms. Chu:

One of the requirements to meet the Risk Based Corrective Action (RBCA) plan that has been reviewed by Alameda County Health Care Services (ACHCS) was to install carbon adsorption vessels to treat the water from the existing water supply well that is located at this site. The installation of the carbon adsorption vessels was to prevent a human health risk by the possibility of ingestion of the ground water that could in the future contain residual petroleum hydrocarbons.

To comply with this RBCA requirement, I have researched the size and type of carbon adsorption vessels that can be installed on the water well. Two carbon vessels are required to be installed to meet the existing pressure (50-psi) and gallons per minute (23-24 gpm) of the water well pump. I am enclosing a copy of the carbon vessel along with a rough sketch of the installation.

Chevron requests that the installation of the carbon vessels be installed at the time of the proposed construction of the commercial facilities instead of prior to this construction. Chevron is concerned that if the filters are installed prior to the construction the filters may be vandalized/stolen. The site is isolated and located close to I-580 with off-on ramps for easy access to go west or east on I-580. There is no other business nearby and only a ranch house about 1/2 mile away.

Chevron requests that ACHCS concur with our request with the stipulation that the carbon vessels will be installed at the time and be part of the construction that will be undertaken at this site.

April 3, 1998  
Ms. Eva Chu  
Former Chevron Service Station #9-7127  
Page 2

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

Sincerely,  
**CHEVRON PRODUCTS COMPANY**



Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

Cc. Ms. Bette Owen, Chevron

Mr. John Moody  
RWQCB-Central Valley Region  
3443 Routier Road  
Sacramento, CA 95827-3098

Mr. Ardavan Onori  
29310 Union City Blvd.  
Union City, CA 94587

Mr. & Mrs. Joe Jess  
Jess Ranch  
Route 5, Box 704-A  
Tracy, CA 95376

Mr. Ross Tinline  
Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

FAX

U.S. FILTER/WESTATES  
6611 SAN LEANDRO STREET  
OAKLAND, CA 94621

TELEPHONE 510-639-7274  
FACSIMILE 510-639-7762  
800-659-1718

TO *Phil Briggs* CO *Chevron*  
FAX *842.8370* PHONE *842.9136*  
FROM *Keith Jones* DATE *3.23.98*

TOTAL NUMBER OF PAGES INCLUDING TRANSMITTAL SHEET *5*

SUBJECT

MESSAGE

*Phil:*  
*Attached is information on a carbon vessel with approximately 50 lbs of virgin carbon. The tank(s) would be ~13" in diameter and ~36" high.*

*Please call me with any questions.*  
*[Signature]*

*(The vessel quoted before was the RT 2244, ~22" diameter and 48" tall).*

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# THE PARK TANK ●

**Residential, Portable Exchange and Light Commercial**  
**6" through 22" diameter - .18 through 11.2 cu. ft. capacity**  
**for Softening, Filtration, De-ionization**

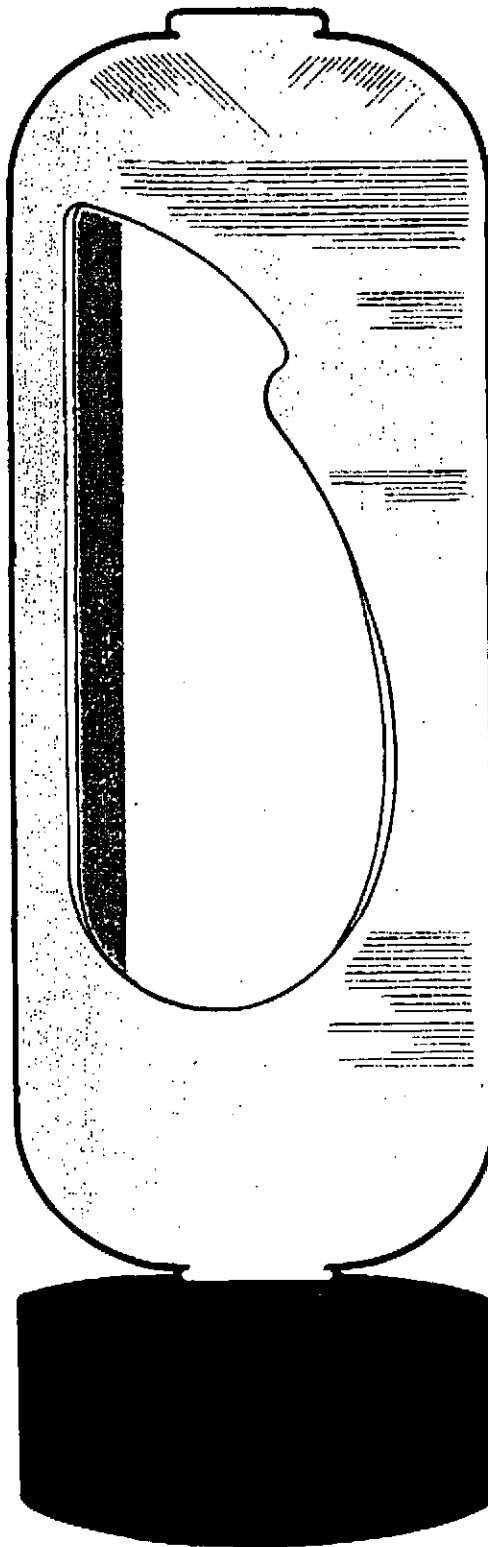
## **Seamless, One-Piece Tank Liner**

Blow molded from engineering grade thermoplastic.

- Smooth, fiber-free inner surface with wide chemical resistance
- Liner materials in compliance with FDA under 21CFR - Part 177.
- Not affected by regenerating chemicals (Acid-Caustic) or DI water

## **Precision Injection Molded Threads**

For all standard industry valves and fittings.



## **Tough Outer Laminate Filament Wound**

Continuous strands of fiberglass with high strength epoxy resin.

- Completely rust and corrosion free.
- Excellent impact and abrasion resistance

## **Industry Approved**

Approved by NSF, UL and meets the requirements of WQA Standard S-100

Rated for 150 psi operating pressure at 120°F.

## **Testing**

Testing of PARK pressure vessels is performed to all industry standards, assuring top field performance.

## **STANDARD BASES**

For Tanks 6" through 14" Diameter  
**Plastic - Injection Molded**

For Tanks 16" Diameter  
**Rubber - Compression Molded**

For Tanks 20" and 22" Diameter  
**Fiberglass - Compression Molded**

## **OPTIONAL BASES**

For Tanks 8"-9"-10"-12"-13" & 14"  
**Rubber - Compression Molded**

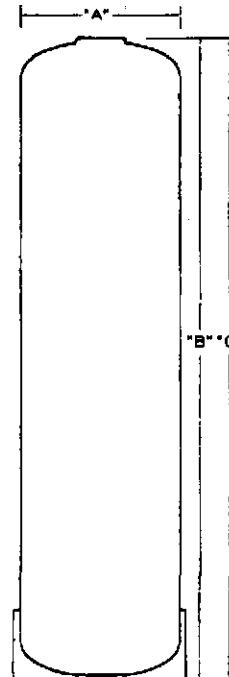
**Extended Bases**  
(For Double Entry Tanks)  
Available for Tanks 10"-12"-14"-16"  
-20" & 22" fiberglass



U.S. STANDARD

METRIC

| PRODUCT NO. | "A" DIA. | "B" HEIGHT W/O BASE | "C" HEIGHT W/BASE | CAPACITY |        | DOME VOLUMES |       |
|-------------|----------|---------------------|-------------------|----------|--------|--------------|-------|
|             |          |                     |                   | CU. FT.  | GALS.  | CU. FT.      | GALS. |
| RT-523      | 5.2      | 23.7                | 24.0              | .22      | 1.67   | .02          | .15   |
| RT-612      | 6.5      | 12.5                | 12.9              | .18      | 1.35   |              |       |
| RT-618      | 6.5      | 18.3                | 18.7              | .27      | 2.02   | .024         | .18   |
| RT-629      | 6.5      | 29.0                | 29.3              | .46      | 3.46   |              |       |
| RT-635      | 6.5      | 35.0                | 35.4              | .60      | 4.49   |              |       |
| RT-724      | 7.6      | 23.9                | 24.3              | .51      | 3.81   |              |       |
| RT-730      | 7.6      | 30.0                | 30.3              | .65      | 4.86   | .035         | .26   |
| RT-735      | 7.6      | 35.0                | 35.3              | .80      | 5.98   |              |       |
| RT-740      | 7.6      | 40.0                | 40.3              | .90      | 6.73   |              |       |
| RT-744      | 7.6      | 44.0                | 44.3              | .96      | 7.18   |              |       |
| RT-818      | 8.4      | 18.6                | 18.9              | .47      | 3.52   |              |       |
| RT-824      | 8.4      | 23.9                | 24.2              | .64      | 4.78   |              |       |
| RT-830      | 8.4      | 29.8                | 30.0              | .81      | 6.06   | .043         | .32   |
| RT-835      | 8.4      | 35.2                | 35.4              | .98      | 7.33   |              |       |
| RT-840      | 8.4      | 38.8                | 40.0              | 1.10     | 8.23   |              |       |
| RT-844      | 8.4      | 43.6                | 43.8              | 1.25     | 9.35   |              |       |
| RT-935      | 9.2      | 35.1                | 35.6              | 1.18     | 8.83   |              |       |
| RT-940      | 9.2      | 40.0                | 40.5              | 1.32     | 9.87   | .059         | .44   |
| RT-942      | 9.2      | 42.1                | 42.3              | 1.41     | 10.55  |              |       |
| RT-948      | 9.2      | 48.0                | 48.5              | 1.55     | 11.59  |              |       |
| RT-1022     | 10.2     | 22.0                | 22.3              | .78      | 5.82   |              |       |
| RT-1035     | 10.2     | 35.0                | 35.5              | 1.40     | 10.47  |              |       |
| RT-1040     | 10.2     | 40.0                | 40.5              | 1.60     | 11.97  |              |       |
| RT-1044     | 10.2     | 44.1                | 45.0              | 1.75     | 13.1   | .079         | .59   |
| RT-1047     | 10.2     | 47.0                | 47.5              | 1.90     | 14.21  |              |       |
| RT-1054     | 10.2     | 53.9                | 54.4              | 2.20     | 16.46  |              |       |
| RT-1060     | 10.2     | 59.5                | 60.0              | 2.39     | 17.88  |              |       |
| RT-1236     | 12.8     | 35.4                | 35.8              | 2.19     | 15.38  |              |       |
| RT-1242     | 12.8     | 42.3                | 42.7              | 2.61     | 19.52  | .179         | 1.34  |
| RT-1248     | 12.8     | 48.0                | 48.3              | 3.00     | 22.4   |              |       |
| RT-1252     | 12.8     | 52.1                | 52.5              | 3.32     | 24.83  |              |       |
| RT-1354     | 13.1     | 54.0                | 54.8              | 3.60     | 26.93  | .205         | 1.53  |
| RT-1447     | 14.0     | 45.8                | 46.4              | 3.60     | 26.93  | .240         | 1.80  |
| RT-1465     | 14.0     | 64.0                | 64.3              | 5.03     | 37.62  | .354         | 2.65  |
| RT-1665     | 16.1     | 64.2                | 64.7              | 6.59     | 49.29  | .740         | 5.54  |
| RT-2062     | 20.0     | 61.5                | 65.7              | 9.73     | 72.77  |              |       |
| RT-2244     | 21.8     | 43.0                | 47.4              | 7.71     | 57.67  | .944         | 7.06  |
| RT-2254     | 21.8     | 53.0                | 57.4              | 9.68     | 72.40  |              |       |
| RT-2260     | 21.8     | 59.0                | 63.4              | 10.83    | 81.00  |              |       |
| RT-2460     | 24.6     | 60.4                | 65.2              | 13.8     | 103.20 | 1.63         | 12.22 |
| RT-2471     | 24.6     | 71.4                | 76.5              | 15.8     | 118.5  |              |       |
| RT-3072     | 30.9     | 71.4                | 80.6              | 25.6     | 191.3  | 2.79         | 20.85 |
| RT-3672     | 37.1     | 72.0                | 81.2              | 37.6     | 281.0  | 4.65         | 34.75 |
| RT-4272     | 41.5     | 72.2                | 86.0              | 46.5     | 348.00 | 5.93         | 44.34 |
| RT-4872     | 48.0     | 72.2                | 86.0              | 62.0     | 464.0  | 8.57         | 64.11 |



| PRODUCT NO. | "A" DIA. | "B" HEIGHT W/O BASE | "C" HEIGHT W/BASE | CAPACITY IN LITRES | DOME VOLUME LITRES |
|-------------|----------|---------------------|-------------------|--------------------|--------------------|
|             |          |                     |                   |                    |                    |
| RT-612      | 165      | 318                 | 328               | 5,11               |                    |
| RT-618      | 165      | 465                 | 475               | 7,65               | 0,68               |
| RT-629      | 165      | 724                 | 742               | 13,1               |                    |
| RT-635      | 165      | 889                 | 899               | 16,99              |                    |
| RT-724      | 193      | 607                 | 617               | 14,42              |                    |
| RT-730      | 193      | 762                 | 770               | 18,4               |                    |
| RT-735      | 193      | 889                 | 902               | 22,63              | 1,00               |
| RT-740      | 193      | 1016                | 1024              | 25,47              |                    |
| RT-744      | 193      | 1118                | 1125              | 27,18              |                    |
| RT-818      | 213      | 472                 | 480               | 13,32              |                    |
| RT-824      | 213      | 607                 | 612               | 18,1               |                    |
| RT-830      | 213      | 757                 | 762               | 22,94              |                    |
| RT-835      | 213      | 894                 | 899               | 27,74              | 1,22               |
| RT-840      | 213      | 986                 | 1016              | 31,15              |                    |
| RT-844      | 213      | 1107                | 1113              | 35,39              |                    |
| RT-935      | 234      | 892                 | 904               | 33,42              |                    |
| RT-940      | 234      | 1016                | 1029              | 37,36              | 1,68               |
| RT-942      | 234      | 1069                | 1074              | 39,93              |                    |
| RT-948      | 234      | 1219                | 1232              | 43,87              |                    |
| RT-1022     | 259      | 558                 | 566               | 22,0               |                    |
| RT-1035     | 259      | 889                 | 902               | 39,63              |                    |
| RT-1040     | 259      | 1016                | 1029              | 45,31              |                    |
| RT-1044     | 259      | 1120                | 1143              | 49,58              | 2,22               |
| RT-1047     | 259      | 1194                | 1207              | 53,78              |                    |
| RT-1054     | 259      | 1369                | 1382              | 62,30              |                    |
| RT-1060     | 259      | 1511                | 1524              | 67,68              |                    |
| RT-1236     | 325      | 899                 | 909               | 62,00              |                    |
| RT-1242     | 325      | 1074                | 1086              | 73,88              | 5,08               |
| RT-1248     | 325      | 1219                | 1227              | 84,7               |                    |
| RT-1252     | 325      | 1323                | 1334              | 93,98              |                    |
| RT-1354     | 333      | 1372                | 1392              | 101,93             | 5,81               |
| RT-1447     | 356      | 1163                | 1179              | 101,93             | 6,80               |
| RT-1465     | 356      | 1626                | 1633              | 142,39             |                    |
| RT-1665     | 409      | 1631                | 1643              | 186,56             | 10,02              |
| RT-2062     | 508      | 1562                | 1669              | 275,43             | 20,95              |
| RT-2244     | 554      | 1092                | 1204              | 218,28             |                    |
| RT-2254     | 554      | 1346                | 1458              | 274,03             | 26,71              |
| RT-2260     | 554      | 1499                | 1610              | 306,59             |                    |
| RT-2460     | 625      | 1534                | 1656              | 390,6              | 46,26              |
| RT-2471     | 625      | 1814                | 1943              | 448,5              |                    |
| RT-3072     | 785      | 1814                | 2047              | 724,1              | 78,92              |
| RT-3672     | 942      | 1829                | 2062              | 1063,6             | 131,53             |
| RT-4272     | 1054     | 1834                | 2184              | 1317,2             | 167,81             |
| RT-4872     | 1219     | 1834                | 2184              | 1756,2             | 242,65             |

Dimensions in inches

Dimensions in mm

Tanks 6" through 10" available in 2-1/2" thread only  
 Tanks 12" - 13" and 14" also available in 2-1/2" thread  
 Tanks 12" through 22" available in 4" or 4-1/2" threads  
 See inside cover for threads and connections  
 available in 24" - 30" - 36" - 42" and 48" tanks

**LIMITED WARRANTIES** Each pressure vessel manufactured by Park International is covered by a limited warranty. For water conditioning, deionization and approved chemical applications Park tanks are warranted to be free of defects for 5 years from date of shipment from the Park factory.

All pressure vessels must be used in operating conditions that conform to performance limitations as shown on each tank label. Warranty coverage does not extend to external impact fractures, vacuum conditions or fractures due to water hammer.

This warranty is invalid if improper O-ring or thread lubricant is used in assembly or retrofit.

**PARK INTERNATIONAL CORP.**  
 1401 FREEMAN AVE. • P.O. BOX 4189  
 LONG BEACH, CA 90804  
 (562) 494-7002  
 FAX: (562) 494-4809



2.5M-3/97 PRINTED IN U.S.A.

FAX

U.S. FILTER/WESTATES  
6611 SAN LEANDRO STREET  
OAKLAND, CA 94621

TELEPHONE 510-639-7274  
FACSIMILE 510-639-7762  
800-659-1718

TO *Phil Briggs* CO *Chevron*  
FAX *842-8370* PHONE *842-9136*  
FROM *Keith Jones* DATE *3.24.98*

TOTAL NUMBER OF PAGES INCLUDING TRANSMITTAL SHEET *2*

SUBJECT

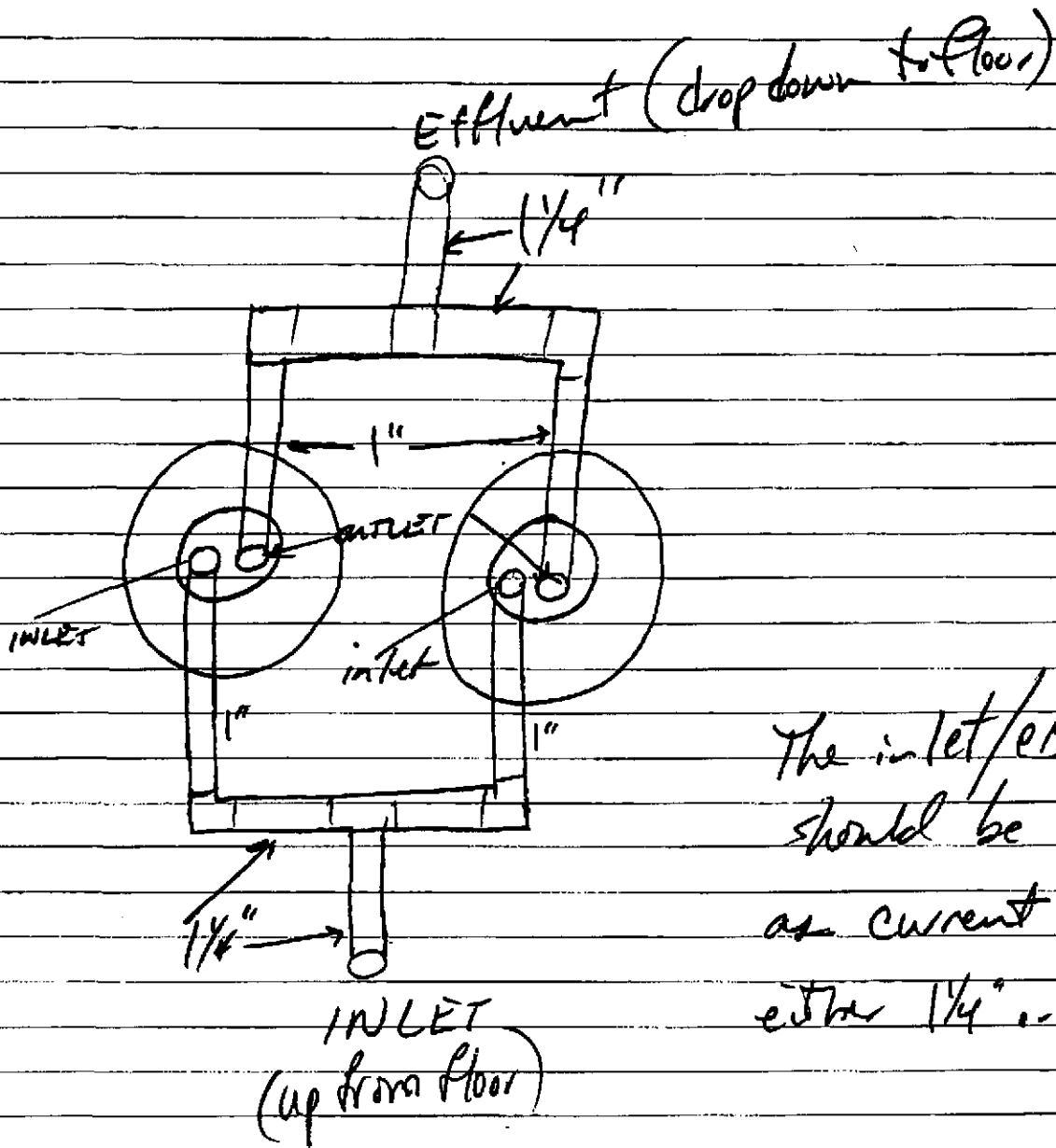
MESSAGE

*Phil: Attached is my "rough" drawing of the connection/header for two carbon units.*

*Please call me with any questions.*

*Keith*

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The inlet/effluent lines  
 should be same size  
 as current water line  
 either 1/4" or 1/2"



**Chevron**

September 25, 1997

Mr. Ardavan Onsoni  
29310 Union City Blvd.  
Union City, CA 94587

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

**Marketing - Sales West**  
Phone 510 842-9500

**Re: Former Chevron Service Station #9-7127  
Interstate 580 and Grantline Road  
near Tracy, California**

Dear Mr. Onsoni:

This letter is to clarify the use or abandonment of the existing onsite water supply well as noted in my letter of September 18, 1997.

As stated in my previous letters and in verbal conversations, this well was installed when the station was built and was only used to provide water to operate the rest rooms. This well was never used to provide drinking water for the station as it was never in compliance with the California State Drinking Water Standards. Bottled water was provided at the station for drinking water use of customers and employees.

Because of the existing presence of dissolved hydrocarbons in the groundwater, there is a possible human risk if someone ingests the water from the supply well. As stated in the Risk Based Corrective Action (RBCA) plan, to eliminate this risk, the well can be abandoned or carbon adsorption canisters can be installed on the well to treat the water prior to use.

*Note that the carbon adsorption canisters would only be installed to treat the petroleum hydrocarbons in the groundwater and nothing else. The water from the well would continue to **not meet** the California State Drinking Water Standards and therefore **non-potable for human consumption.***

If you decide to retain the well, Chevron will pay for the initial installation of the carbon canisters with you agreeing to take over title to the canisters and replacement of the carbon canisters as needed due to your operation.

September 25, 1997  
Mr. Ardavan Onsoni  
Former Chevron Service Station #9-7127  
page 2

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

Sincerely,  
**CHEVRON PRODUCTS COMPANY**



Philip R. Briggs  
Site Assessment and Remediation Project Manager

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

Mr. John Moody  
RWQCB-Central Valley Region  
3443 Routier Road  
Sacramento, CA 95927-3098

Mr. & Mrs. Joe Jess  
Jess Ranch  
Route 5, Box 704-A  
Tracy, CA 95376

Ms. Bette Owen, Chevron



**Chevron**

September 18, 1997

Mr. Ardavan Onsoni  
29310 Union City Blvd.  
Union City, CA 94587

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

**Marketing - Sales West**  
Phone 510 842-9500

**Re: Former Chevron Service Station #9-7127  
Interstate 580 and Grantline Road  
near Tracy, California**

Dear Mr. Onsoni:

The Risk Based Corrective Action (RBCA) plan has been reviewed by Alameda County Health Care Services (ACHCS) and it appears that there is no risk for volatilization from soil and ground water to indoor or outdoor air for any commercial activity on the site. A copy of the ACHCS- RBCA evaluation letter dated September 11, 1997 is enclosed.

However, there is a possible human health risk from ingestion of the ground water. To eliminate this risk, the existing onsite water supply well can be abandoned or carbon adsorption canisters will need to be installed to treat the water prior to use. As noted in the ACHCS letter either procedure is acceptable, but they need to know which procedure will be enacted by you.

Based on the review and acceptance of the RBCA, Chevron believes that any planning/permitting for commercial construction can proceed. As you are aware, planning approval along with construction permits will be required before any construction can proceed. As noted in previous correspondence, Chevron will assist, if needed, in securing environmental permits relating to the RBCA requirements.

Chevron will continue to monitor the site as per previous correspondence. If you have any questions or comments call me at (510) 842-9136.

Sincerely,  
**CHEVRON PRODUCTS COMPANY**

  
Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

September 18, 1997  
Mr. Ardavan Onsori  
Former Chevron Service Station # 9-7127  
Page 2

cc. Ms. Bette Owen, Chevron

Mr. John Moody  
RWQCB-Central Valley Region  
3443 Routier Road  
Sacramento, CA 95827-3098

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

Mr. & Mrs. Joe Jess  
Jess Ranch  
Route 5, Box 704-A  
Tracy, CA 95376

Mr. Ross Tinline  
Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



P.R.B.

SEP 17 97

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

StID 4100

September 11, 1997

Mr. Philip Briggs  
Chevron, Building L  
P.O. Box 5004  
San Ramon, CA 94583-0804

**Re: RBCA Evaluation for Former Chevron SS #9-7127, Interstate  
I-580 and Grantline Road, Tracy, CA**

Dear Mr. Briggs:

Pacific Environmental Group's revised Risk-Based Corrective Action-Tier 2, dated August 1997, has been reviewed and it appears that residual hydrocarbons in soil and groundwater do not pose a risk greater than  $10^{-5}$  for volatilization from soil and groundwater to indoor and outdoor air for a commercial scenario. However, groundwater ingestion can still pose a human health risk. Please advise this agency if the onsite water supply well will be properly abandoned or carbon adsorption vessels will be installed to treat water from the well prior to use. Either option is acceptable.

If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

c: Ardavan Onsori, 29310 Union City, CA 94587





August 5, 1997

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

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

**Marketing - Sales West**  
Phone 510 842-9500

Dear Ms. Chu:

With the recent reorganization that has taken place within your group, I would like to set up a meeting with you and/or replacement to discuss the six Chevron projects that you manage. I will be available on 8/21, 8/25-8/27, 9/2-9/5 and 9/8-9/12.

Items I would like to discuss are: reductions in monitoring frequency, reduction in wells sampled and/or abandonment of wells, utilizing "no purge" method in sampling wells, and any other pertinent data.

Advise your schedule as soon as possible, as I plan to set up meetings with the other case workers that are responsible for my other projects.

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

Sincerely,  
**CHEVRON PRODUCTS COMPANY**

  
Philip R. Briggs  
Site Assessment and Remediation Project Manager

*discussed  
Grantline - 2580  
San Leandro - 98th*

cc. Mr. Tom Peacock, ACHCS

Mark Out What Needs Changing and Hand to LOP Data Entry  
(Name/Address changes go to Annual Programs Data Entry)

Insp:

AGENCY # : 10000      SOURCE OF FUNDS: F      SUBSTANCE: 8006619  
 StID : 4100      LOC:  
 SITE NAME: Altamont Chevron #9-7127      DATE REPORTED : 04/04/91  
 ADDRESS : 0 I-580 & Grantline      DATE CONFIRMED:  
 CITY/ZIP : Tracy      95376      MULTIPLE RPs : Y

SITE STATUS

-----  
 CASE TYPE: S      CONTRACT STATUS: 4      PRIOR CODE:2A4      EMERGENCY RESP:  
 RP SEARCH: S      DATE COMPLETED: 05/04/92  
 PRELIMINARY ASMNT:      DATE UNDERWAY:      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: 05/04/92  
 LUFT FIELD MANUAL CONSID:  
 CASE CLOSED:      DATE CASE CLOSED:  
 DATE EXCAVATION STARTED : 04/04/91      REMEDIAL ACTIONS TAKEN:

RESPONSIBLE PARTY INFORMATION

-----  
 RP#1-CONTACT NAME: Ardavan Onsoni  
 COMPANY NAME: N/a  
 ADDRESS: 29310 Union City Blvd  
 CITY/STATE: Union City, C A 94587

*New property owner*

RP#2-CONTACT NAME: Attn. Phil Briggs  
 COMPANY NAME: Chevron  
 ADDRESS: P. O. Box 5004  
 CITY/STATE: San Ramon, C A 94583-0804

RP#3-CONTACT NAME: William Carnazzo  
 COMPANY NAME: Carnazzo Land Co  
 ADDRESS: P. O. Box 6031  
 CITY/STATE: Atascadero, C A 93423

*Former property owner*

| INSPECTOR VERIFICATION:   |                 |                       |            |
|---------------------------|-----------------|-----------------------|------------|
| NAME _____                | SIGNATURE _____ | DATE _____            |            |
| DATA ENTRY INPUT:         |                 | Case Progress Changes |            |
| Name/Address Changes Only |                 |                       |            |
| ANPNPGMS _____            | LOP _____       | DATE _____            | LOP _____  |
|                           |                 |                       | DATE _____ |



**Chevron**

ENVIRONMENTAL  
PROTECTION

November 15, 1996

96 NOV 19 PM 3: 35

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

**Chevron Products Company**  
6001 Bollinger Canyon Road  
Building L  
San Ramon, CA 94583  
P.O. Box 5004  
San Ramon, CA 94583-0804

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

**Re: Former Chevron Service Station #9-7127  
Interstate 580 and Grantline Road  
near Tracy, California**

Dear Ms. Chu:

This confirms our phone conversation of today, acknowledging the reduction in the sampling frequency for the monitoring wells at this site, to semi-annually and annually. I also advised you that there has been a change in property owners for this site. The new property owner is:

Ardavan Onsori.  
29310 Union City Blvd.  
Union City, CA 94587. Phone: (510) 441-0585

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

Sincerely,  
CHEVRON PRODUCTS COMPANY

Philip R. Briggs  
Site Assessment and Remediation Project Manager

cc. Ms. Bette Owen, Chevron

Mr. Ardavan Onsori  
29310 Union City Blvd.  
Union City, CA 94587

Past P.O. William Carnazzo  
Carnazzo Land Co.  
P.O. Box 6031  
Atascadero, CA 93423

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



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

StID 4100

November 8, 1996

Mr. Philip Briggs  
Chevron, Building L  
P.O. Box 5004  
San Ramon, CA 94583-0804

RE: Sampling Frequency for Former Chevron SS #9-7127,  
Interstate 580 and Grantline Road, near Tracy

Dear Mr. Briggs:

Thank you for the second and third Quarter Groundwater Monitoring reports for 1996 for the above referenced site. The reports have been reviewed and there is now sufficient data collected where the sampling frequency for the groundwater monitoring wells may be changed as follows:

1. Sample semi-annually (in May and November) wells MW-1, MW-3, MW-4, and MW-6; and,
2. Sample annually (in May) wells MW-2, MW-5, MW-7, MW-8.

If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

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) 567-6700

StID 4100

March 29, 1996

Mr. Kenneth Kan  
Chevron  
P.O. Box 5004  
San Ramon, CA 94583-0804

**RE: Risk Assessment Work Plan Approval for Former Chevron #9-  
7172, Hwy I-580/Grantline Rd, Tracy, CA 95376**

Dear Mr. Kan:

I have completed review of Pacific Environmental Group, Inc's March 1996 Risk Assessment Work Plan, and Addendum to said workplan for the above referenced site. The proposal to determine human health risk associated with the future development of the site using ASTM's RBCA Tier 1 and Tier 2 framework is acceptable. The completed RBCA evaluation is due within 60 days of the date of this letter.

If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

c: Mark Sullivan, PEG, 2025 Gateway Pl, Suite 440, San Jose 95110  
files

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

StID 4100

February 5, 1996

Mr. Kenneth Kan  
Chevron  
P.O. Box 5004  
San Ramon, CA 94583-0804

**RE: Risk Analysis for Former Chevron #9-7127,  
Hwy I-580/Grantline Rd, Tracy, CA 95376**

Dear Mr. Kan:

I have completed review of Pacific Environmental Group's January 1996 Groundwater Investigation Report for the above referenced site. This report documents the installation of three additional groundwater monitoring wells (MW-6, MW-7, and MW-8) to delineate the off-site extent of dissolved hydrocarbons in groundwater. Soil and groundwater samples from the wells did not contain detectable levels of TPH-G or BTEX. It appears that the extent of the contaminant plume has been delineated.

The most recent groundwater sampling event (November 1995) exhibited up to 15,000 ppb benzene in well MW-1 and 8,000 ppb benzene in well MW-3. Currently, there are tentative plans to develop this site. Before development commences a risk analysis should be performed, possibly using the American Society of Testing and Materials' (ASTM) standard for Risk-Based Corrective Action (RBCA), to determine cleanup levels that are protective of human health. Results of the risk analysis would also determine the types of development which is appropriate/acceptable at this site.

If you have any questions, I can be reached at (510) 567-6762.

*SH*  
eva chu  
Hazardous Materials Specialist

cc: files

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION

11/21/95

UNDERGROUND STORAGE TANK CLEANUP SITE

AGENCY#: 10000 SOURCE OF FUNDS: F-FEDERAL INSPECTOR: EC  
 StID: 4100 SUBSTANCE: 8006619 -Gasoline  
 SITE NAME: Altamont Chevron #9-7127 DATE REPORTED : 04/04/91  
 ADDRESS : 0 I-580 & Grantline DATE CONFIRMED:  
 CITY/ZIP : Tracy, CA 95376 MULTIPLE RP's : Y

CASE TYPE: S CONTRACT STATUS: 4 PRIOR: EMERGENCY RESPONSE:

|                     |             |             |           |
|---------------------|-------------|-------------|-----------|
| RP SEARCH           | : S         | DATE END:   | 05/04/92  |
| PRELIM ASSESSMENT   | :           | DATE BEGIN: | DATE END: |
| REMEDIAL INVESTIG   | :           | DATE BEGIN: | DATE END: |
| REMEDIAL ACTION     | :           | DATE BEGIN: | DATE END: |
| POST REMED MONITOR: | DATE BEGIN: | DATE END:   |           |

TYPE ENFORCEMENT ACTION TAKEN: 1 DATE OF ENFORC. ACTION: 05/04/92

UNDERGROUND STORAGE TANK CLEANUP SITE - SCREEN #2

LUFT FIELD MANUAL CONSIDERATION: CASE CLOSED: on:

DT EXC START: 04/04/91 REMEDIAL ACTIONS TAKEN:

RP #1: CONTACT: William Carnazzo RP COST:  
 RP COMPANY NAME: Carnazzo Land Co. Ph:  
 ADDRESS: P. O. Box 6031  
 CITY/STATE: Atascadero, C A 93423

ΔBaMENT:

SITE ID#: 4100

ADDITIONAL RP'S

RP #2  
 CONTACT NAME: Attn. Kenneth Kan  
 COMPANY NAME: Chevron RP Ph:  
 ADDRESS: P. O. Box 5004  
 CITY/ST/ZIP: San Ramon, C A 94583-0804





PACIFIC ENVIRONMENTAL GROUP, INC.

FACSIMILE TRANSMITTAL

DATE: 10/16/95 PROJECT #: 325-004.1B

TO: EVA CHU FAX: (510) 337-9335

RE: WELL LOCATION MAP

FROM: DAVE REINISMA

IF YOU HAVE ANY PROBLEMS RECEIVING THIS FACSIMILE, PLEASE CALL (408) 441-7500

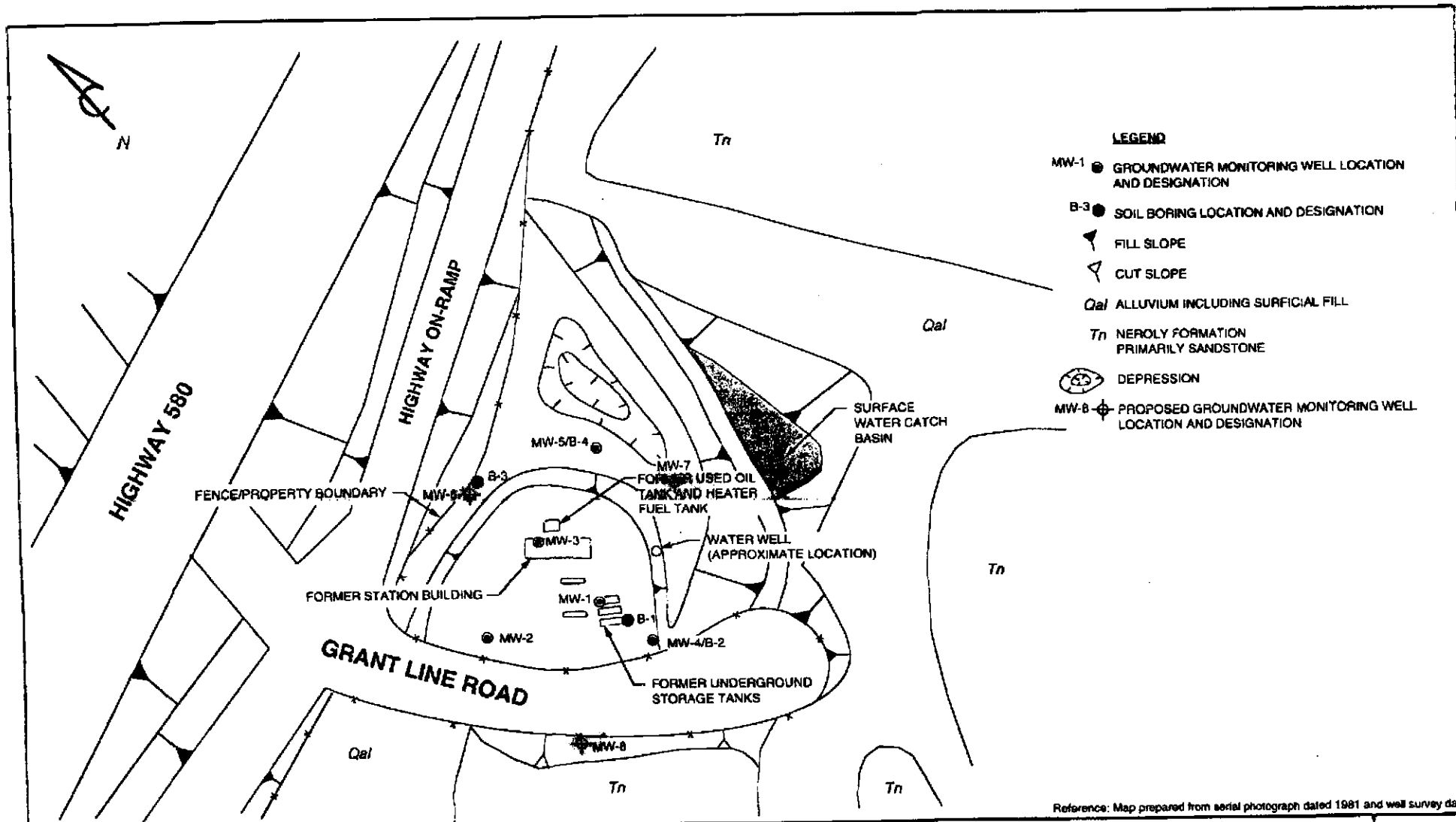
SHEETS TO FOLLOW COVER PAGE

1

COMMENTS:  
MR. CHU - PER YOUR DISCUSSION WITH  
KENNETH KAN OF CHEVRON, I'VE SENT YOU  
A MAP SHOWING THE PROPOSED WELL LOCATIONS  
FOR THE CURRENT INVESTIGATION AT FORMER  
CHEVRON STATION 9-7127 LOCATED IN TRACY.

PLEASE CALL IF YOU HAVE ANY QUESTIONS,  
DAVE REINISMA

You have received this facsimile from 408-441-9102



**LEGEND**

- MW-1 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- B-3 ● SOIL BORING LOCATION AND DESIGNATION
- ▲ FILL SLOPE
- ▽ CUT SLOPE
- Qal ALLUVIUM INCLUDING SURFICIAL FILL
- Tn NEROLY FORMATION PRIMARILY SANDSTONE
- ☉ DEPRESSION
- MW-8 ⊕ PROPOSED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION

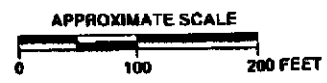
Reference: Map prepared from aerial photograph dated 1981 and well survey data.

**FORMER CHEVRON USA SERVICE STATION 9-7127**  
Grant Line Road at Interstate 580  
Tracy, California

**FIGURE:**  
1  
**PROJECT:**  
325-004.1B



PACIFIC ENVIRONMENTAL GROUP, INC.



**PROPOSED WELL LOCATION MAP**



PACIFIC ENVIRONMENTAL GROUP, INC.

FACSIMILE TRANSMITTAL

DATE: 7/17/95 PROJECT #: 335-004.LB

TO: EVA CAMP FAX: (510) 337-9335

CUSA Sta # 9-7127

FROM: DAVE REINISMA

IF YOU HAVE ANY PROBLEMS RECEIVING THIS FACSIMILE, PLEASE CALL (408) 441-7500

SHEETS TO FOLLOW COVER PAGE

1

COMMENTS:

PLEASE CALL TO DISCUSS.

Thank you

DAVE REINISMA

ALAMEDA COUNTY HAZARDOUS MATERIAL DIVISION  
 DEPOSIT / REFUND ACCOUNT SHEET

printed 03/21/95

SITE INFORMATION

Altamont Chevron  
 0 I 580 Grant Line Rd  
 Tracy 95376  
 Site Contact:  
 Site Phone :

StID: 4100 Site#: 4063  
 PROJECT#: 4063A  
 PROJECT TYPE: R  
 INSP: Gil Wistar  
 ACCT. SHEET PG #: \_\_\_\_\_

PROPERTY OWNER INFORMATION

Owner Contact:  
 Owner Phone :

PAYOR INFORMATION

Golden West Builders  
 P O Box 1236  
 Brentwood CA 94513 # 47  
 Payor Contact: Darral Hovander  
 Payor Phone : 634-1998

| Date     | Action Taken                       | Time In | Time Out | Hours Spent/Depstd | Hour Balnce | Money Spent/Depositd | Money Balance |
|----------|------------------------------------|---------|----------|--------------------|-------------|----------------------|---------------|
|          | Balance from Prev. Page            |         |          |                    |             |                      |               |
|          | Rcpt# 592363                       |         |          |                    |             |                      |               |
| 03/13/91 | Deposit of \$1,284.00 @ \$90/hour  |         |          | +14.26             |             |                      |               |
| 3-26-91  | Citizen hearing, Prop @ 75         |         |          | 1.5                |             |                      |               |
| 6-7-91   | review ULR @ 75                    |         |          | 0.5                |             |                      |               |
| 7-12-91  | review Chevron letters @ 75        |         |          | 0.5                |             |                      |               |
| 7-14-91  | review sampling report @ 75        |         |          | 1.5                |             |                      |               |
| 7-18-91  | review fax of sampling @ 75        |         |          | 0.5                |             |                      |               |
| 8-30-91  | review CRWQCB letter, call @ 75    |         |          | 1.0                |             |                      |               |
| 9-26-91  | review report Chevron              |         |          | 1.5                |             |                      |               |
| 10-1-91  | call Nancy Vubelich                |         |          | 0.5                |             |                      |               |
| 4-29-92  | review case file, transfer, return |         |          | 0.5                |             |                      |               |
|          | zero balance, close the case       |         |          |                    |             |                      |               |

UPON COMPLETION OF PROJECT

PROJ COMPLETED BY : Thomas Beach ATTACH:  State Forms A, B & C  
 Billing Adjustment\*  
 DATE OF COMPLETION : 3-21-95 DATE SENT TO BILLING: \_\_\_\_\_  
 TOTAL COST OF PROJECT: \_\_\_\_\_ REFUND AMOUNT: \_\_\_\_\_

ALAMEDA COUNTY --- Inspection Priority Brief --- UNDERGROUND TANK PROGRAM

UTIPbrf3 - city Oakland as of 01/05/95 page 1

| StID | Stat | Facility Name                  | Address                     | City    | Zip   | Phone#       | FEEES NEXT DUE  |               | Permit Issued | # Tanks | Last Site Visit | La UGT Inspe |
|------|------|--------------------------------|-----------------------------|---------|-------|--------------|-----------------|---------------|---------------|---------|-----------------|--------------|
|      |      |                                |                             |         |       |              | State Surcharge | County Annual |               |         |                 |              |
| 3204 | C    | BART Oakland Shop              | 601 E 8th St                | Oakland | 94606 |              | 06/05/96        | TA            | 06/07/91      | 4       | 12/08/93        | 12/28        |
| 1124 | C    | Kilpatrick's Bakery            | 955 Kennedy St              | Oakland | 94606 | 415-436-5350 | 10/27/98        | T6            | 11/18/93      | 1       | 01/31/91        | 01/31        |
| 35   | C    | Yuen's Exxon Service           | 1901 Park Blvd              | Oakland | 94606 | 415-893-4204 | 06/25/94        | T1            |               | 1       | 03/28/94        | 07/12        |
| 2974 | C    | Right Away Redy Mix, Inc.      | 401 Kennedy St              | Oakland | 94606 | 415-536-1900 | 04/01/98        | T4            | 11/02/90      | 1       | 11/12/91        | 11/04        |
| 3292 | C    | Peralta College Corp. Yard     | 501 5th Ave                 | Oakland | 94606 | 466-7336     | 04/25/98        | T4            |               | 3       | 03/14/94        | 10/20        |
| 3908 | C    | Chevron U S A #201919          | 2142 E 12th St              | Oakland | 94606 | 436-3777     | 03/01/98        | T1            | 07/23/93      | 4       | 12/21/93        | 06/02        |
| 3907 | C    | Rose Exterminator              | 1512 E 12th St              | Oakland | 94606 | 532-0110     | 10/30/94        | TA            |               | 1       | 09/13/94        | 06/03        |
| 245  | C    | Exxon R/S #7-0238              | 2200 E 12th St              | Oakland | 94606 | 415-535-1672 | 05/24/98        | TB            | 07/14/93      | 4       | 12/21/93        | 06/03        |
| 1578 | F    | Omega Termite Control          | 807 75th Ave                | Oakland | 94606 | 415-562-1333 | 12/30/95        |               |               |         | 08/16/94        | 07/12        |
| 206  | C    | F & M Auto Service             | 1839 Foothill Blvd          | Oakland | 94606 | 533-7673     | 11/28/98        | T9            | 12/22/93      | 3       | 06/17/94        | 07/12        |
| 206  | C    | Contractors Equipment Rentals  | 2250 E 12th St              | Oakland | 94606 | 415-536-1377 | 02/16/99        | T1            |               | 1       | 05/12/94        | 07/22        |
| 3906 | C    | Century Petroleum              | 403 E 12th St               | Oakland | 94606 | 834-6393     | 10/03/98        | T2            |               | 3       | 12/28/93        | 08/11        |
| 191  | C    | Bay Area/Diablo Petroleum Co.  | 421 23rd Ave                | Oakland | 94606 | 783-6500     | 03/28/99        | T5            | 04/29/94      | 5       | 03/10/94        | 08/13        |
| 229  | C    | Gerard Tire                    | 2101 Park Blvd              | Oakland | 94606 | 415-893-1843 | 12/20/94        | TC            | 09/16/93      | 1       | 09/20/93        | 09/20        |
| 512  | C    | Unocal SS #0018                | 6201 Claremont Ave          | Oakland | 94618 | 510-655-9430 | 10/14/98        | TB            | 11/16/93      | 3       | 08/24/94        | 10/04        |
| 3066 | C    | C.A.R. Service                 | 5865 Broadway Terrace       | Oakland | 94618 | 415-547-0170 | 11/27/95        | TB            | 10/17/91      | 3       | 01/28/94        | 01/28        |
| 3618 | C    | Broadway Shell #204-5510-0352  | 5755 Broadway               | Oakland | 94618 | 415-547-4101 | 12/01/98        | TB            | 02/01/94      | 3       | 02/03/94        | 02/03        |
| 4071 | C    | Caldecott Tunnel Fac. #6       | 0 West End Caldecott Tunnel | Oakland | 94618 | 415-848-3482 | 11/18/98        | T6            |               | 1       | 04/04/94        | 02/14        |
| 3887 | C    | Merritt Roof Co.               | 1044 5th Ave                | Oakland | 94606 |              | 05/05/98        | T3            |               | 1       | 02/28/94        | 02/28        |
| 219  | C    | Unocal SS #0064                | 200 E 18th St               | Oakland | 94606 | 510-834-8838 | 02/25/98        | TB            | 04/28/93      | 2       | 02/28/94        | 02/28        |
| 3633 | C    | R M C Lonestar                 | 333 23rd Ave                | Oakland | 94606 | 533-5054     | 08/16/98        | T9            | 08/19/93      | 1       | 04/22/94        | 04/22        |
| 514  | C    | Sheaff's Service Garage        | 5930 College Ave            | Oakland | 94618 | 415-658-3070 | 04/17/99        | T7            |               | 2       | 07/01/94        | 07/01        |
| 3135 | C    | Saroni T.F.I.                  | 727 Kennedy St              | Oakland | 94606 | 415-261-8632 | 10/28/97        | T6            | 10/13/93      | 2       | 07/19/94        | 07/19        |
| 676  | C    | Unocal SS #1028                | 5300 Broadway               | Oakland | 94618 | 415-653-4443 | 10/12/94        | TB            | 03/16/93      | 3       | 09/14/94        | 09/14        |
| 3409 | C    | Oakland Ready Mix Co.          | 401 Embarcadero             | Oakland | 94606 | 415-452-4777 | 11/01/97        | TA            |               | 1       | 12/07/94        | 11/30        |
| 3902 | C    | Lake Merrit Storm Lift Station | 0 7th St At E 8th St        | Oakland | 94606 | 415-763-1384 | 10/16/95        | T9            | 07/28/93      | 1       |                 |              |
| 3284 | C    | Commercial Tire Co.            | 1200 E 12th St              | Oakland | 94606 | 415-261-2200 | 06/18/96        | T4            |               | 2       | 02/13/91        |              |
| 1057 | C    | P & N Shell #204-5508-6064     | 510 E 14th St               | Oakland | 94606 | 452-9177     | 12/01/98        | TB            | 01/20/94      | 3       | 12/28/93        |              |
| 1057 | C    | Alameda Cab Co.                | 1632 E 14th St              | Oakland | 94606 |              | 09/04/96        | T6            |               | 3       | 03/03/94        |              |
| 4108 | C    | Courier Express                | 1092 Calcott Place          | Oakland | 94606 | 415-261-6949 | 10/03/98        | T9            |               | 1       |                 |              |
| 3719 | C    | College Shell #204-5508-3343   | 6039 College Ave            | Oakland | 94618 | 415-420-8860 | 12/01/98        | TB            | 01/20/94      | 3       | 01/31/94        |              |
| 1222 | C    | Crowley Marine Services        | 321 Embarcadero & Cove      | Oakland | 94606 | 510-891-7015 | 04/12/98        | T4            |               | 3       | 05/27/93        |              |
|      | F    | Owner/Operator                 | 2109 Frederick St           | Oakland | 94606 |              | 12/30/95        |               |               |         |                 |              |

~~~~~ running total: 33 ~~~~~

UNDERGROUND TANK Status Codes: C (or B) - Current in UGT Program F - awaiting State tank FORMS (suspect should be in program) R - Rt'd mail from address-CH

ALUS  
HAZHAT

50 OCT 23 11 8: 31



**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

October 26, 1994

Ms. Eva Chu  
Alameda County Environmental Health  
80 Swan Way, Room 200  
Oakland, CA 94621

Re : Former Chevron Service Station No. 9-7127  
Highway I-580 and Grantline Rd., Tracy, California

Dear Ms. Chu :

At the request of Chevron, Weiss Associates gathered all the data to date and evaluated the appropriate remedial action for this site. They examined the site and prepared a Comprehensive Site Evaluation and Proposed Future Action Plan.

In their plan, they recommend the installation of one additional monitoring well to assist in a more accurate determination of the plume distribution. After the installation of this well, they recommend sampling and monitoring all the wells on a quarterly frequency through summer of 1995. If no significant migration occurs and concentration decreases due to natural biodegradation, Weiss recommends reducing the sampling and monitoring frequency to semi-annual.

After your office has reviewed the plan and informed our office of your acceptance, Chevron will request its consultant to prepare a work plan for the installation of one additional monitoring well.

Please review the enclosed document from Weiss Associates dated October 13, 1994. For the latest information on groundwater results, please refer to the enclosed report from Sierra Environmental Services dated October 7, 1994. If you have any questions or comments, please feel free to call me at (510) 842-8752.

Sincerely,

Chevron U.S.A. Products Co.

Kenneth Kan  
Engineer

LKAN/MacFile 9-7127R10

Enclosures

cc : Mr. Eddy So  
RWQCB-S.F. Bay Region  
2101 Webster Street, Suite 500  
Oakland, CA 94612

*Has there been adequate source removal?  
yes  
Increasing concentration TPH-BTEX in  
MW-3 downgradient from former pit/disposal  
islands. and MW-1*

2<sup>50</sup>

cc : William S. Carnazzo M.D.  
Carnazzo Land Company, Inc.  
P.O. Box 6031  
Atascadero, CA 93423

Mr. & Mrs. Joe Jess  
Jess Ranch  
Route 5, Box 704-A  
Tracy, CA 95376

Ms. Bette Owen  
Chevron U.S.A. Products Co.

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

StID 4100

November 14, 1994

Mr. Kenneth Kan  
Chevron USA  
P.O. Box 5004  
San Ramon, CA 94583-0804

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

**RE: Additional Site Investigation at Former Chevron #9-7127,  
Hwy I-580/Grantline Rd, Tracy, CA 95376**

Dear Mr. Kan:

I have completed review of Weiss Associates's (WA) October 1994 Comprehensive Site Evaluation and Proposed Future Action Plan and Sierra Environmental's October 1994 quarterly monitoring report for the above referenced site. WA concluded that "additional plume definition and quarterly monitoring to more fully establish the plume location, and to determine whether significant offsite transport is occurring" is needed before recommending this site become a potential candidate for establishment of a non-attainment area. To obtain these data, WA is proposing that an additional monitoring well be installed north of the former septic tank pit, near the location of boring B-3. This office concurs with the above recommendations and field activities for the installation of well MW-6 should commence within 45 days of the date of this letter, or by **January 4, 1994**.

I was under the impression that Highway I-580 is north of the subject property. If this is the case, additional wells west or south of MW-4 is possible, if needed, to further delineate the extent of the contaminant plume in these directions. Please show I-580 in relation to the property in future reports.

WA does not believe that groundwater and soil vapor extraction is feasible for this site. However, there are other remedial technologies available, such as air sparging to enhance natural biodegradation, which your consultants should consider for site remediation.

If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

cc: Cynthia Okano, WA 5500 Shellmound St, Emeryville 94608  
files (chvront6)



ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

StID 4100

July 19, 1994

Mr. Kenneth Kan  
Chevron USA  
P.O. Box 5004  
San Ramon, CA 94583-0804

**RE: Additional Investigations at Former Chevron #9-7127,  
Hyw I-580/Grantline Rd, Tracy, CA 95376**

Dear Mr. Kan:

I have completed review of Sierra Environmental's report of groundwater monitoring/sampling performed on April and June 1994 for the above referenced site. Results of laboratory analysis of groundwater show elevated levels of dissolved hydrocarbons in wells MW-1, 3, and 4. Groundwater flow direction is predominately to the NE to E, when using elevations from wells MW-2, 3, and 4.

At this time, additional investigations are required to determine the extent of the contaminant plume. At least one well should be advanced north of the former septic tank pit. Please submit a workplan for the proposed work to this office by **August 26, 1994**.

Once the site has been characterized, a Corrective Action Plan, or CAP, is required to identify and evaluate all feasible alternatives for cleanup of soil and groundwater impacts resulting from the unauthorized release at this site. This CAP was requested in my letter dated April 8, 1994, but an extension for the submittal of this workplan is granted at this time. The CAP is due once the site has been characterized.

Also, monthly groundwater monitoring should be conducted at this site for the next 6 months, at which time it will be determined if there is sufficient data to determine groundwater flow direction.

If you have any questions, I can be reached at (510) 337-2869.

eva chu  
Hazardous Materials Specialist

cc: files (chvront5)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

StID 4100

April 8, 1994

Mr. Kenneth Kan  
Chevron  
P.O. Box 5004  
San Ramon, CA 94583-0804

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

**Subject: CAP for Former Chevron #9-7127, Hwy I-580/Grantline Rd,  
Tracy, CA 95376**

Dear Mr. Kan:

I have completed review of Sierra Environmental's March 1994 Quarterly Monitoring Report for the above referenced site. Groundwater flow direction at the time of sampling was toward the easterly direction. Previous flow direction has been toward the north, northwest. At this time, water elevations should be measured on a monthly basis to verify groundwater flow direction. Also, a quarterly sampling schedule should be established for the site. The next sampling episode should be in May 1994.

Additionally, pursuant to requirements set forth under Article 11, 23CCR, Section 2720 et seq., you are further directed to submit a Corrective Action Plan (CAP) proposal for further investigation of this site, and to identify and evaluate all feasible alternatives for cleanup of soil and groundwater impacts resulting from the unauthorized release at this site. This CAP proposal is due **within 45 days** of the date of this letter.

**Please be advised that this is a formal request for technical reports pursuant to Title 23, CCR, Section 2722(c). Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by this agency.**

Should you have any questions about the content of this letter, please contact me at (510) 271-4530.

eva chu  
Hazardous Materials Specialist

cc: files



**Chevron**

November 24, 1993

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

**Marketing Department**  
Phone 510 842 9500

William S. Carnazzo, M.D.  
Carnazzo Land Company, Inc.  
P.O. Box 6031  
Atascadero, CA 93423

Re: Former Chevron Service Station No. 9-7127  
Highway I-580 and Grantline Rd., Tracy, California

Dear Dr. Carnazzo :

In response to your letter dated March 30, 1993, Chevron retained Pacific Environmental Group, Inc. to investigate and determine if there is contamination in the water well and if it poses any health risk.

During this time, Pacific Environmental Group (PEG) was instructed by Chevron to sample the well on a weekly basis as part of their investigation as well as monitoring the well for health reasons. After forty-five (45) sampling events, there have been only two events when benzene, toluene, and xylenes were detected. The detection of toluene at 3 ppb and xylenes at 2 ppb occurred on January 29, 1993, and the detection of benzene at 0.8 ppb occurred on March 19, 1993. The detection of benzene, toluene, and xylenes in the first quarter may have been anomaly since the previous sampling events did not detect any dissolved gasoline constituents. Furthermore, if the well was impacted from Chevron's operation, the contamination in most cases would have already been detected. Based on data from the last 45 sampling events, it appears that the water well has not been impacted.

93 NOV 30 PM 4:58  
ALCO  
HAZMAT

Environmental Health Consultants (EHC) under the request of Pacific Environmental Group (PEG) investigated your concerns on the health and safety issues. EHC has done extensive research in the following sources :

- US EPA Integrated Risk Information System (IRIS) Database
- Proposition 65 Requirements
- California State Maximum Contaminant Levels (MCLs)
- US EPA Office of Drinking Water
- US Department of Agriculture
- California State Department of Food & Agriculture
- Veterinarian referred by the State Department of Food & Agriculture at U.C. Davis

Based on their research and PEG sampling results, EHC have indicated in their letter that there is minimal to no health risk involved in livestock consuming this water. Since there is no human consumption, EHC has calculated the human health risk for comparison purposes only, and the risk is minimal based on their comparison.

In regards to your question on whether or not this can be 100% controlled, it is difficult to say because no one can anticipate or foresee every possible situation.



Page 2

Former Chevron Station 9-7127 Tracy  
November 24, 1993

The decision on whether or not to cap the well either temporarily or permanently is your decision not Chevron's decision. Although it is your decision, it is better to cap the well permanently to eliminate potential health risks.

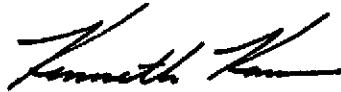
Based on PEG's sampling results and EHC's letter, Chevron will cease the weekly sampling event of the water well at our former site.

Hopefully, the results of this investigation will help you in understanding the situation.

Please refer to the enclosed letter from EHC dated September 20, 1993 and PEG Table 1 Water Well Analytical Data dated November 22, 1993 for additional information. If you have any questions or comments, please feel free to call me at (510) 842-8752.

Sincerely,

Chevron U.S.A. Products Co.



Kenneth Kan  
Engineer

LKAN/MacFile 9-7127P2

Enclosure

cc: Mr. Eddy So, RWQCB-S.F.Bay Region  
2101 Webster Street, Suite 500, Oakland, CA 94612

→ Ms. Eva Chu, Alameda County Environmental Health  
80 Swan Way, Room 200, Oakland, CA 94621

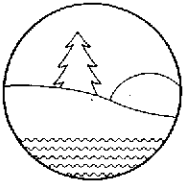
Mr. & Mrs. Joe Jess, Jess Ranch  
Route 5, Box 704-A, Tracy, CA 95376

Mr. Jeff Hartwig  
Chevron U.S.A. Products Co.

Mr. John Randall  
Chevron U.S.A. Products Co.

Jon Robbins  
Chevron U.S.A. Products Co.

Ms. Bette Owen  
Chevron U.S.A. Products Co.



SEP 27 '93 PWM

See  
12/1/93

# Environmental Health Consultants

P.O. Box 117910 Burlingame, CA 94011-7910

(415) 347-9205

SEP 22 1993

September 20, 1993

Mr. Steven Krcik  
Pacific Environmental Group, Inc.  
2025 Gateway Place, Ste. 440  
San Jose, Ca 95110

Dear Steve:

This letter provides a limited health risk evaluation concerning benzene, toluene and xylenes found in the groundwater at the former Chevron Station #9-7127 in Tracy, California. Ethylbenzene and total petroleum hydrocarbons (TPH) as gasoline are not being evaluated since there were no instances of detection for these compounds.

The groundwater monitoring data indicates only one instance of detection of benzene, toluene and xylenes during the period from December 10, 1992 through September 9, 1993. Benzene was found at 0.8 micrograms per liter (ug/L), toluene at 3 ug/L and total xylenes at 2 ug/L.

Based upon the information you have provided, the risk question in this instance involves two possibilities. First, there is the question of human consumption. According to Mrs. Connie Jess and Mr. Joseph Jess, the groundwater is used for cleaning, watering the grass and livestock consumption. The water is not used for human consumption. As such, human consumption is not a known route of exposure to the constituents detected in the groundwater.

Second, the groundwater is reportedly used as drinking water for cows. As such, there is the question of exposure to the cows and the question of human consumption of milk or beef from the cows, depending upon the types of cows raised on the property.

We have researched these risk concerns through the sources listed below:

- a) Computer search on the USEPA Integrated Risk Information System (IRIS) Database
- b) Proposition 65 requirements
- c) Drinking water Maximum Contaminant Levels (MCLs)
- d) USEPA Office of Drinking Water
- e) US Department of Agriculture
- f) California Department of Food and Agriculture
- g) The state Veterinarian at UC Davis.

### Human Risk

Proposition 65 regulates carcinogenic materials and reproductive toxins. Benzene is listed under Proposition 65 as a human carcinogen and toluene is listed as a reproductive toxin. Xylenes do not appear in either category. Under Proposition 65, the MCLs have been incorporated by reference as No Significant Risk Levels (NSRLs) for an excess carcinogenic risk of 1/100,000.

For benzene, there is a designated NSRL which is equal to 3.5 ug/L. The California MCL for benzene is presently 1 ug/L. There is a proposed federal MCL of 0 ug/L. The groundwater benzene concentration found at the site is less than the Proposition 65 NSRL and the current MCL. As such, the groundwater concentration of benzene would not be considered to pose a 1/100,000 excess cancer risk under Proposition 65. The groundwater concentration does, however, exceed the concentration listed by USEPA as representing a lifetime cancer risk of 1/1,000,000 (one in one million). The listed concentration is 0.66 ug/L.

*.8 ppb  
benzene  
detected  
in Mar 1993*

There is no MCL listed for toluene. Under Proposition 65, the reproductive warning level corresponds to a groundwater concentration of 3500 ug/L. Clearly, this level is substantially greater than the detected level of 3 ug/L.

The California MCL for xylenes is 1750 ug/L. The detected concentration is substantially lower than the MCL.

The California MCL for ethylbenzene is 680 ug/L. Ethylbenzene was not detected in any sampling event during the time period listed above.

There is no California MCL for TPH as gasoline. TPH as gasoline was not detected in any sampling event during the time period listed above.

The human health risk was calculated for comparison purposes only, since the information provided indicates there is no current human consumption of the groundwater.

### Livestock Risk

There are no regulatory values listed for drinking water provided to livestock. My discussions with the various agencies including California Department of Food and Agriculture and USEPA revealed there are no formal studies which have been conducted for this purpose. The USEPA Office of Drinking Water in Washington, D.C. referred me to the USDA. USDA was not able to provide any assistance with regard to the compounds of concern.

I spoke with Dr. Frank Galey at UC Davis. Dr. Galey is a Veterinary Toxicologist who was referred by the State Department of

Food and Agriculture. Dr. Galey provided his opinion that so long as the constituent concentrations were below the MCLs, he would not expect to see any adverse affect on the health of the cow. In addition, he stated that since the compounds in question would be expected to be well metabolized by the liver, the detected materials would not be expected to bioaccumulate in the cows or be passed on for human consumption.

### Conclusion

Based upon the discussion above, the detected benzene, toluene and xylenes concentrations do not pose a risk under current California requirements. The benzene concentration did exceed the proposed federal MCL and the USEPA 1/1,000,000 cancer risk concentration. However, the benzene has only been detected once in a nine-month period, bioaccumulation in the cows is not expected to occur and the groundwater is not used for human consumption. USEPA cancer risk values and the Proposition 65 NSRLs assume lifetime exposures to a given material, as opposed to intermittent or isolated exposures. In light of the fact that human consumption of this water has been indicated not to occur, and the presence of benzene has not been shown to be a consistent problem, the actual cancer risk would be expected to be less than 1/1,000,000.

The use of the groundwater for watering and cleaning purposes could possibly generate airborne concentrations of the detected compounds. While I would expect such concentrations would be extremely low, the airborne pathway has not been included in this assessment. Additional information and further data would be necessary in order to assess this pathway.

This assessment should be qualified by the fact that there is only one instance of detection of the site constituents. Repeated testing over a nine-month period has failed to demonstrate continued presence of the materials in question. While a single instance should not be ignored, the risk associated with exposure would have to be based upon a statistical certainty that the materials are, in fact, present to create exposure. It is possible that the isolated instance of detection could be considered an anomaly.

I hope this information proves useful in the decision process for the site. If you have any questions or require additional information, please feel free to contact me.

Sincerely,



Irene S. Fanelli, CIH  
President

Table 1  
**Water Well Analytical Data**  
 Total Petroleum Hydrocarbons  
 (TPH as Gasoline and BTEX Compounds)

Former Chevron U.S.A. Service Station 9-7127  
 Highway I-580 at Grant Line Road  
 Tracy, California

| Sample Date | TPH as Gasoline (ppb) | Benzene (ppb) | Toluene (ppb) | Ethylbenzene (ppb) | Xylenes (ppb) |
|-------------|-----------------------|---------------|---------------|--------------------|---------------|
| 12/10/92    | ND                    | ND            | ND            | ND                 | ND            |
| 01/07/93    | ND                    | ND            | ND            | ND                 | ND            |
| 01/22/93    | ND                    | ND            | ND            | ND                 | ND            |
| 01/29/93    | ND                    | ND            | 3             | ND                 | 2             |
| 02/04/93    | ND                    | ND            | ND            | ND                 | ND            |
| 02/12/93    | ND                    | ND            | ND            | ND                 | ND            |
| 02/19/93    | ND                    | ND            | ND            | ND                 | ND            |
| 02/26/93    | ND                    | ND            | ND            | ND                 | ND            |
| 03/04/93    | ND                    | ND            | ND            | ND                 | ND            |
| 03/11/93    | ND                    | ND            | ND            | ND                 | ND            |
| 03/19/93    | ND                    | 0.8           | ND            | ND                 | ND            |
| 03/25/93    | ND                    | ND            | ND            | ND                 | ND            |
| 04/01/93    | ND                    | ND            | ND            | ND                 | ND            |
| 04/08/93    | ND                    | ND            | ND            | ND                 | ND            |
| 04/15/93    | ND                    | ND            | ND            | ND                 | ND            |
| 04/23/93    | ND                    | ND            | ND            | ND                 | ND            |
| 04/29/93    | ND                    | ND            | ND            | ND                 | ND            |
| 05/07/93    | ND                    | ND            | ND            | ND                 | ND            |
| 05/13/93    | ND                    | ND            | ND            | ND                 | ND            |
| 05/20/93    | ND                    | ND            | ND            | ND                 | ND            |
| 05/21/93    | ND                    | ND            | ND            | ND                 | ND            |
| 06/04/93    | ND                    | ND            | ND            | ND                 | ND            |
| 06/11/93    | ND                    | ND            | ND            | ND                 | ND            |
| 06/18/93    | ND                    | ND            | ND            | ND                 | ND            |
| 06/24/93    | ND                    | ND            | ND            | ND                 | ND            |
| 07/01/93    | ND                    | ND            | ND            | ND                 | ND            |
| 07/08/93    | ND                    | ND            | ND            | ND                 | ND            |
| 07/16/93    | ND                    | ND            | ND            | ND                 | ND            |
| 07/23/93    | ND                    | ND            | ND            | ND                 | ND            |
| 07/29/93    | ND                    | ND            | ND            | ND                 | ND            |
| 08/05/93    | ND                    | ND            | ND            | ND                 | ND            |



Table 1 (continued)  
**Water Well Analytical Data**  
**Total Petroleum Hydrocarbons**  
**(TPH as Gasoline and BTEX Compounds)**

Former Chevron U.S.A. Service Station 9-7127  
 Highway I-580 at Grant Line Road  
 Tracy, California

| Sample Date                                                                                                                                          | TPH as Gasoline (ppb) | Benzene (ppb) | Toluene (ppb) | Ethylbenzene (ppb) | Xylenes (ppb) |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------|---------------|--------------------|---------------|
| 08/12/93                                                                                                                                             | ND                    | ND            | ND            | ND                 | ND            |
| 08/19/93                                                                                                                                             | ND                    | ND            | ND            | ND                 | ND            |
| 08/26/93                                                                                                                                             | ND                    | ND            | ND            | ND                 | ND            |
| 09/02/93                                                                                                                                             | ND                    | ND            | ND            | ND                 | ND            |
| 09/09/93                                                                                                                                             | ND                    | ND            | ND            | ND                 | ND            |
| 09/17/93                                                                                                                                             | ND                    | ND            | ND            | ND                 | ND            |
| 09/23/93                                                                                                                                             | ND                    | ND            | ND            | ND                 | ND            |
| 10/01/93                                                                                                                                             | ND                    | ND            | ND            | ND                 | ND            |
| 10/07/93                                                                                                                                             | ND                    | ND            | ND            | ND                 | ND            |
| 10/15/93                                                                                                                                             | ND                    | ND            | ND            | ND                 | ND            |
| 10/21/93                                                                                                                                             | ND                    | ND            | ND            | ND                 | ND            |
| 10/28/93                                                                                                                                             | ND                    | ND            | ND            | ND                 | ND            |
| 11/05/93                                                                                                                                             | ND                    | ND            | ND            | ND                 | ND            |
| 11/12/93                                                                                                                                             | ND                    | ND            | ND            | ND                 | ND            |
| Detection Limits:                                                                                                                                    | 50                    | 0.5           | 0.5           | 0.5                | 0.5           |
| ppb = Parts per billion<br>ND = Not detected at or above limit of detection<br>* The trip blank (TB-1) also contained detectable xylenes at 0.9 ppb. |                       |               |               |                    |               |



**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

Jcc  
4/13/93

April 5, 1993

Ms. Eva Chu  
Alameda County Environmental Health  
80 Swan Way, Room 200  
Oakland, CA 94621

Re: Former Chevron Service Station No. 9-7127  
Highway I-580 and Grantline Rd.  
Tracy, California

Dear Ms. Chu :

Chevron has received your letter dated March 29, 1993 on April 2 requesting additional investigation at the above referenced site. Chevron is in the process of preparing a work plan for your approval.

If you have any questions or comments, please feel free to call me at (510) 842-8752.

Sincerely,

Chevron U.S.A. Products Co.

Kenneth Kan  
Engineer

LKAN  
MacFile 9-7127R4

cc: Mr. Eddy So  
RWQCB-S.F.Bay Region  
2101 Webster Street, Suite 500  
Oakland, CA 94612

William S. Carnazzo, M.D.  
Carnazzo Land Company, Inc.  
P.O. Box 6031, Atascadero, CA 93423

Ms. Bette Owen  
Chevron U.S.A. Products Co.



ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

StID 4100

March 29, 1993

Mr. Kenneth Kan  
Chevron USA  
P.O.Box 5044  
San Ramon, CA 94583-0804

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

**Subject: Groundwater Investigation for Former Chevron #9-7127,  
Highway I-580 and Grantline Road, Tracy, CA 95376**

Dear Mr. Kan:

This office has completed review of Pacific Environmental Group's soil and groundwater investigation report, dated March 22, 1993, for the above referenced site. Water samples collected indicate groundwater to be impacted by the fuel release from the former underground storage tanks (USTs).

At this time additional investigation is required to determine the extent and severity of groundwater contamination on-site and possibly off-site. A workplan detailing this investigation should be submitted to this office for review **within 45 days of the date of this letter**. Information gathered from this investigation will be used to identify and evaluate all feasible alternatives for cleanup of soil and groundwater.

Please be advised that this is a formal request for technical reports pursuant to Title 23, CCR, Section 2722(c). Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or the RWQCB. Copies of all proposals and reports must also be sent to Ms. Beth Thayer of the CV-RWQCB. Their address is 3443 Routier Rd., Suite A, Sacramento, CA 95827-3098.

Should you have any questions about the content of this letter, please contact me at (510) 271-4530.

Sincerely,

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

Eva Chu  
Hazardous Materials Specialist

cc: Beth Thayer, CV- RWQCB, 3443 Routier Rd., Suite A,  
Sacramento, CA 95827-3098  
Gil Jensen, Alameda County District Attorney's Office  
Edgar Howell/files *GH*

Chvront3



**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

92-00703-0010-03

October 28, 1992

Ms. Eva Chu  
Alameda County Environmental Health  
80 Swan Way, Room 200  
Oakland, CA 94621

Re : Former Chevron Service Station No. 9-7127  
Highway I-580 and Grantline Rd.  
Tracy, CA 94546

Dear Ms. Chu :

Enclosed is an addendum to Pacific Environmental Group's work plan dated July 3, 1991. PEG prepared the addendum in response to your letter dated July 10, 1992.

Your office will be notified when drilling will begin.

If you have any questions or comments, please feel free to call me at (510) 842-8752.

Sincerely,

Chevron U.S.A. Products Co.

Kenneth Kan  
Engineer

LKAN/MacFile 9-7127R2

Enclosure

cc : Mr. Eddy So  
RWQCB-S.F. Bay Region  
2101 Webster Street, Suite 500  
Oakland, CA 94612

Ms. Bette Owen  
Chevron U.S.A. Products Co.

11/2/92 per Ken Kan - they plan to convert SB into MW if GW is encountered. Only if this well has contain. will they install 2 other wells - 1 to N of w0/F0 pit.





PACIFIC  
ENVIRONMENTAL  
GROUP, INC.

October 20, 1992  
Project 325-04.01

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

Re: Former Chevron Service Station 9-7127  
Highway I-580 at Grantline Road  
Tracy, California

Dear Mr. Kan:

This letter has been prepared by Pacific Environmental Group, Inc. (PACIFIC) as an addendum to PACIFIC's July 3, 1991 work plan which proposed additional investigation of soil and groundwater conditions at the site referenced above. This addendum was prepared in response to a letter from Alameda County Environmental Health (ACEH) dated July 10, 1992 regarding the July 3, 1991 work plan. For reference this addendum has been organized by referring to each ACEH comment followed by a PACIFIC response.

- 1. A minimum of three monitoring wells is to be installed if ground water gradient cannot be confirmed. One downgradient well each must be installed within 10' of both the fuel underground storage tank (UST) and waste oil/fuel tank pits.*

The results of site assessment investigation and subsurface tank and product line/island excavation sampling indicate that hydrocarbon-affected soils at the site are limited the northeast and southern portion of the former tank complex.

In addition, soils beneath the site consist primarily of clayey-fill soils to a depth of approximately 15 feet underlain by consolidated Cretaceous to Tertiary bedrock. The bedrock was not sampled or overexcavated during previous investigations due the consolidated nature of the material.

PACIFIC recommends that the scope of work outlined in the July 3, 1991 work plan be modified to the scope of work listed below.

Drill one soil boring in the northeastern portion of the former tank complex and one soil boring in the former planter south of the former tank complex.

The purpose of the soil boring in the northeastern portion of the tank complex is to determine if hydrocarbons previously detected in the clayey-fill soils have permeated bedrock and impacted groundwater. The purpose of the boring south of the former tank complex, is to determine the lateral extent of hydrocarbons south of the tank complex.

The northeastern soil boring will be drilled to a depth of approximately 20 to 40 feet below field evidence of hydrocarbons or to groundwater. The southern boring will be drilled to a depth of approximately 20 feet if hydrocarbons based on field evidence are not observed. If hydrocarbons are observed in the boring, the vertical extent of the hydrocarbons will be investigated.

If groundwater is encountered during the soil investigation, one soil boring will be converted to a temporary groundwater monitoring well. This well will be developed and sampled to determine if hydrocarbons from the site have impacted groundwater.

No. MWS are required for this site if GW  $\leq$  50'

If groundwater has been impacted the temporary well will be completed as a permanent well and two additional permanent wells will be installed in an anticipated downgradient direction of the waste oil tank and the former tank complex.

- 2. The work plan makes reference to several field activities performed by EA Engineering Science and Technology (November 1987), Kleinfelder (December 1987, January and March 1988), and Gettler-Ryan, Inc. (September 1989). To our knowledge, these reports were never sent to this office for review. As these reports will help to evaluate the site history and possible appropriate course of action, we are requesting that copies of these reports be sent.*

*Be advised that additional soil borings may be needed east and west of the fuel UST pit an north of the former dispenser island to adequately determine the lateral extent of soil contamination should our review of these reports indicate so.*

The requested reports were submitted to the ACEH accompanying a letter from Chevron dated July 28, 1992.

The lateral extent of hydrocarbon-affected soils appears to be adequately defined with the exception of the area south of the former tank complex. One soil boring is proposed in this location.

During the removal of the subsurface tanks and product line/islands, soils sampled in the northwest and southeast portions of the tank complex ranged in concentration from non-detected to 2.1 ppm. To the east, soils analyzed at a depth of 20 feet in Boring B-2 detected TPH-g at a concentration below 1 ppm.

3. *A proposal should be submitted to address the remediation of contaminated soil under the former fuel UST pit (up to 710 parts per million of total petroleum hydrocarbons as gasoline was detected at a depth of 14' below ground surface).*

A remedial action, which consisted of the removal and overexcavation of the clayey-fill soils which overly the consolidated bedrock beneath the site, was performed during tank and product line/island removal.

Additional evaluation of remedial alternatives if necessary at the site is proposed to be completed after the scope of work of this investigation is performed. This investigation will determine if: (1) hydrocarbon-affected soils at the site were limited to the clayey-fill soils overlying bedrock which were excavated during tank removal and soil overexcavation, or if (2) hydrocarbons beneath the site has permeated the consolidated bedrock.

4. *Monitoring well construction plans should include the rationale for the selection of screen slot size, casing type, diameter, etc. Include plans for characterizing and disposing of cuttings.*

Monitoring well design is based on anticipated stratigraphy, with consideration given to the anticipated well use, and our experience with monitoring and production (or extraction) well design in [this area]. Specifically, well casing slot size and sand pack selection are based on an evaluation of the anticipated grain-size distribution in the thickness and depth of the most permeable portions of the saturated zone.

Proposed groundwater monitoring wells will be constructed of 2-inch diameter, threaded, Schedule 40 PVC casing and 0.020-inch factor slotted screen. Screen will be placed from the bottom of each boring to approximately 5 feet above the static water level if unconfined groundwater conditions are encountered. The annular space will be

packed with 2/12 or 2/16 graded sand across the entire screened interval, extending approximately 2 feet above the top of the screen. The well was then sealed with approximately 2 feet of bentonite above the sand pack, and cement grout to the ground surface. A locking, water-tight cap and protective vault box were installed at the top of each well.

Soil cuttings generated during drilling will be sampled and stockpiled on-site pending the result of laboratory analysis. The results of the laboratory analysis will then be evaluated and appropriate disposal of the soil cuttings will be determined.

5. *Ground water sampling proposal should include a Quality Assurance/Quality Control (QA/QC) plan. This QA/QC plan must include appropriate elements identified in Table 3-7, Appendix D, of the State Water Resources Control Board LUFT Field Manual. Also, the sampling plan should include sampling of the on-site domestic well for TPH-d, TPH-g, and BTEX. Discuss the Chain of Custody procedures to be followed.*

The sampling procedure will consist of first measuring the water level in the wells with an electronic water level indicator, and checking the wells for the presence of separate-phase hydrocarbons using a clear Teflon bailer. If no separate-phase hydrocarbons are detected, the well will be purged of approximately four casing volumes of water (or to dryness) using a bailer. During purging, temperature, pH, and electrical conductivity will be monitored in order to document that these parameters are stable prior to collecting the sample. After purging, the water level will be allowed to partially stabilize. The groundwater samples will be collected using a Teflon bailer, placed into appropriate EPA-approved containers, labelled, logged onto chain-of-custody documents, and transported on ice to a state-certified laboratory. Chain-of-custody documentation is then completed by the representative of a state-certified laboratory. Groundwater purged from site wells will be recycled at the Chevron Richmond Refinery.

QA/QC procedures will consist of trip blanks, equipment blanks, and typical laboratory QA/QC procedures (matrix spike, percent recovery, equipment blank, etc.).

The on-site water-supply well has been sampled approximately 25 times from December 1987 to February 1991. During sampling from December 1987 through January 1988, groundwater samples were collected from a drain spigot located approximately 30 feet from



the well head. Groundwater collected at this location contained low levels of benzene which ranged from 1.0 to 4 parts per billion (ppb).

During sampling from August 1989 through February 1991, groundwater samples were collected directly from the well head through a water discharge valve. Twenty-one groundwater samples collected from this location were non-detected for TPH-g and benzene with the exception of one sample which contained 320 ppb TPH-g and one sample which contained 0.07 ppb benzene.

Based on this data, it appears that the low levels of benzene detected during 1987 and 1988 may be from surface utilities or station facilities. Further, it appears that the two concentrations of TPH-g and benzene detected in the groundwater collected directly at the well are questionable.

PACIFIC recommends that groundwater sampling of this well be discontinued; however, for precautionary measures, water from the well should be posted as non-potable water.

6. *A Site Safety Plan must be provided which adheres to criteria outlined in Title 29 of the Code of Federal Regulations, Part 1910.120.*

A Site Safety Plan will be prepared and submitted to the ACEH prior to site work along with well permit applications.

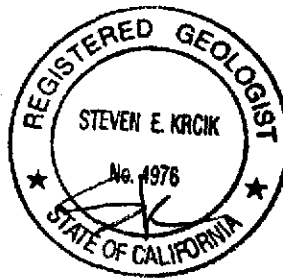
Please call if you have any questions regarding the contents of this letter.

Sincerely,

Pacific Environmental Group, Inc.



Steven E. Krcik  
Senior Geologist  
RG 4976





# 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

Marketing Department

July 28, 1992

Ms. Eva Chu  
Alameda County Environmental Health  
80 Swan Way, Room 200  
Oakland, CA 94621

Re: Former Chevron Service Station No. 9-7127  
Highway I-580 and Grantline Rd.  
Tracy, CA 94546

Dear Ms. Chu :

In response to your letter dated July 10, 1992, the following items were addressed as follow :

Item 1. Chevron will install three (3) groundwater monitoring wells to determine the direction of groundwater if the first well shows groundwater contamination after it has been developed and purged. *1 at UST pit and 1 at W.O. pit*

Item 2. The following reports documenting previous field activities are enclosed in this report :

- EA Engineering Science and Technology (November 1987)
- Gettler-Ryan Inc. (September 14, 1989)

Kleinfelder's January 1988 and March 1988 reports will be forwarded to your office once Chevron receives them from Kleinfelder.

For Kleinfelder's December 1987 report, there is no report. This date refers to when the site assessment occurred, and it is documented in Kleinfelder's January 6, 1988 report.

As for additional borings east and west of the gasoline underground storage tanks (USTs) and north of the pump islands, these borings were done as documented in Kleinfelder's report dated January 6, 1988 and referenced in Gettler-Ryan's report dated September 14, 1992. *OK* *Done above for done east of UST pit. Boring 4 at 15'*

Item 3. The sample from underneath the gasoline UST was collected on the hard pan horizon. This sample is not representative of what was left in the excavated pit. Soil was removed until only the hard pan horizon remained, and further excavation was not feasible. *had 2300ppm/190ppm TPH-G/benzene in GRT report Aug 1989 OK B-2 at 8' 11m TPH-G*

Item 4. Addendum for this work plan will be prepared. It will include the selection of screen size, casing type, diameter, etc. for the construction and installation of these monitoring wells.

Item 5. Addendum previously mentioned will include a Quality Assurance/Quality Control (QA/QC) plan.

Item 6. A site and safety plan will also be included in the addendum.

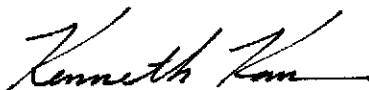
Page 2  
July 28, 1992

An extension is being requested for the preparation of an addendum to the July 3, 1991 Pacific Environmental Group (PEG) work plan because PEG is no longer the active consultant for this site. In addition, your response to this work plan was nearly a year so the consultant is probably going need to review the entire project. Also, your letter was received eleven (11) days after the date of the letter so a timely response within 20 days is not possible. A 60-90 day day extension is being requested. *Give 95 day approval from date of letter*

If you have any questions or comments, please feel free to call me at (510) 842-8752.

Sincerely,

Chevron U.S.A. Products Co.



Kenneth Kan  
Engineer

LKAN/MacFile 9-7127R

Enclosure

cc: Mr. Eddy So  
RWQCB-S.F. Bay Region  
2101 Webster Street, Suite 500  
Oakland, CA 94612

Ms. Bette Owen  
Chevron U.S.A. Products Co.

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

StID 4100

July 10, 1992

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

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

**Subject: Work Plan for Former Chevron Station 9-7127  
Highway I-580 and Grantline Rd., Tracy 95376**

Dear Ms. Vukelich:

This office has reviewed the work plan prepared by Pacific Environmental Group, Inc. (PEG), dated July 3, 1991, and find the following items needing clarification and/or modification:

1. A minimum of three monitoring wells is to be installed if ground water gradient cannot be confirmed. One downgradient well each must be installed within 10' of both the fuel underground storage tank (UST) and waste oil/fuel tank pits.
2. The work plan makes reference to several field activities performed by EA Engineering Science and Technology (November 1987), Kleinfelder (December 1987, <sup>no</sup> January and March 1988), and Gettler-Ryan Inc. (September 1989). To our knowledge, these reports were never sent to this office for review. As these reports will help to evaluate the site history and possible appropriate course of action, we are requesting that copies of these reports be sent.

Be advised that additional soil borings may be needed east and west of the fuel UST pit and north of the former dispenser island to adequately determine the lateral extent of soil contamination should our review of these reports indicate so.

3. A proposal should be submitted to address the remediation of contaminated soil under the former fuel UST pit (up to 710 parts per million of total petroleum hydrocarbons as gasoline was detected at a depth of 14' below ground surface).
4. Monitoring well construction plans should include the rationale for the selection of screen slot size, casing type, diameter, etc. Include plans for characterizing and disposing of cuttings.

Ms. Nancy Vukelich  
Former Chevron Station 9-7127  
July 10, 1992

Page 2

5. Ground water sampling proposal should include a Quality Assurance/Quality Control (QA/QC) plan. This QA/QC plan must include appropriate elements identified in Table 3-7, Appendix D, of the State Water Resources Control Board LUFT Field Manual. Also, the sampling plan should include sampling of the on-site domestic well for TPH-D, TPH-G, and BTEX. Discuss the Chain of Custody procedures to be followed.
6. A Site Safety Plan must be provided which adheres to criteria outlined in Title 29 of the Code of Federal Regulations, Part 1910.120.

Please respond to the items listed above **within 20 days** of the date of this letter. Your response should be in the form of an addendum to the July 3, 1991 PEG work plan. Once the proposal is approved, field work should commence within 60 days. Please submit a project time schedule for when each aspect of the subsurface investigation and remediation will occur.

Summary reports should be submitted to this office and to Mr. Eddy So of the RWQCB within 45 days upon completion of field activities. Subsequent reports are to be submitted quarterly until this site qualifies for final RWQCB "sign off."

**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 the RWQCB.**

If you have any questions about the content of this letter, please contact Ms. Eva Chu at (510) 271-4530.

Sincerely,



Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Eddy So, RWQCB  
Mark Thomson, Alameda County District Attorney's Office  
Jerry Mitchel, Pacific Environmental Group, Inc.,  
620 Contra Costa Blvd., Suite 209, Pleasant Hill,  
California, 94523  
Edgar Howell/files

chvront

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—  
CENTRAL VALLEY REGION**

3443 ROUTIER ROAD, SUITE A  
SACRAMENTO, CA 95827-3098  
PHONE: (916) 361-5600  
FAX: (916) 361-5686



91 SEP 26 PM 3:17

25 September 1991

Mr. Ariu Levi  
Alameda County Env. Health  
Swan Way, Room 200  
Oakland, CA 94621

**UGT SITE FOR WHICH NO UNAUTHORIZED LEAK REPORT FORM HAS BEEN SUBMITTED TO THE  
REGIONAL BOARD**

We received correspondence for a site known as:

Facility Name: CHEVRON #4-7127

Street Address: I580/GRANT LINE ROAD

City & County: TRACY, ALAMEDA

Responsible Party: CHEVRON

Our files do not have any record of an Unauthorized Leak Report (ULR) for this site. The information on the ULR is necessary for us to confirm that this is an UGT site and to place the site on our computer database and track the progress of the site investigation and remediation. If you have an ULR in your files please send us a copy, if not, please either have the Responsible Party or County staff complete the form (copy enclosed).

If this site is not a UGT leak, please write on the form an explanation so we can remove it from the database.

If you have any questions please contact me at (916) 361-5730. Thank you for your assistance.

*Betty Moreno*

BETTY MORENO  
Staff Services Analyst

Enclosures

# GOLDEN WEST

Builders / General Contractors / Environmental Services  
CONTRACTORS LICENSE NO. 432103

1060 Minnesota Avenue • P.O. Box 1236 • Brentwood, CA 94513  
(415) 634-1998 Fax (415) 634-2515 <sup>91</sup> 35

## LETTER OF TRANSMITTAL

TO Susan Hugo DATE 7-29-91  
Alameda County EHD PROJECT NO 91-269  
80 Swan Way Rm 200 FACILITY Altamont Chevron  
Oakland Ca 94621 LOCATION Livermore

WE ARE SENDING YOU  HEREWITH  UNDER SEPARATE COVER VIA \_\_\_\_\_

- QUOTATIONS
- approved permit
- PLANS
- SPECIFICATIONS
- COPY OF LETTER
- \_\_\_\_\_

| COPIES | DATED | NO. | DESCRIPTION |
|--------|-------|-----|-------------|
|        |       |     |             |
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- FOR YOUR INFO AND FILES
- FOR YOUR REVIEW AND COMMENTS
- FOR YOUR USE
- AS REQUESTED
- FOR YOUR APPROVAL
- APPROVED
- FOR YOUR APPROVAL AND RETURN
- REVISED
- FOR YOUR CORRECTIONS AND RESUBMISSION
- \_\_\_\_\_
- PLEASE RETURN \_\_\_\_\_ COPIES TO ME

REMARKS Susan - per our conversation

\_\_\_\_\_

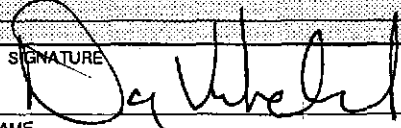
\_\_\_\_\_

\_\_\_\_\_

COPIES TO \_\_\_\_\_

BY Kewandezuyk

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

|                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |                                                                                                 |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| EMERGENCY<br><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED?<br><input type="checkbox"/> YES <input type="checkbox"/> NO |                                                                                                                                                                                                                                                                                                                                                                                                    | FOR LOCAL AGENCY USE ONLY<br>I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM. |                                                                                                 |
| REPORT DATE<br>04/07/91                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CASE #                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                    | SIGNED: _____ DATE: _____                                                                                                                                                          |                                                                                                 |
| REPORTED BY                                                                      | NAME OF INDIVIDUAL FILING REPORT<br>DL VUKELICH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                       | PHONE<br>415 842 9581                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                    | SIGNATURE<br> |
|                                                                                  | REPRESENTING<br><input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OTHER <u>Former Chevron 2-Party</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                       | OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> COMPANY OR AGENCY NAME<br>CHEVRON USA INC.                                                                                                                                                                                                                                                                         |                                                                                                                                                                                    |                                                                                                 |
|                                                                                  | ADDRESS<br>2110 Camino Ramon San Ramon CA 94523                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |                                                                                                 |
| RESPONSIBLE PARTY                                                                | NAME<br>CHEVRON USA INC. <input type="checkbox"/> UNKNOWN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                       | CONTACT PERSON<br>( )                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                    | PHONE<br>( )                                                                                    |
|                                                                                  | ADDRESS<br>STREET CITY STATE ZIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |                                                                                                 |
| SITE LOCATION                                                                    | FACILITY NAME (IF APPLICABLE)<br>Former Service Station                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                       | OPERATOR<br>Paula Kelsoe                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                    | PHONE<br>( )                                                                                    |
|                                                                                  | ADDRESS<br>Hwy 580 & Grantline Rd Tracy Alameda 95376                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                       | CITY COUNTY STATE ZIP                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                    |                                                                                                 |
|                                                                                  | CROSS STREET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |                                                                                                 |
| IMPLEMENTING AGENCIES                                                            | LOCAL AGENCY<br>Alameda County Health                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                       | AGENCY NAME<br>Bay Area                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                    | CONTACT PERSON<br>Gil Wistler / Larry Seto                                                      |
|                                                                                  | REGIONAL BOARD<br>Bay Area                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                       | CONTACT PERSON<br>Gil Wistler / Larry Seto                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                    | PHONE<br>(415) 241 4300<br>(415) 746 4125                                                       |
| SUBSTANCES INVOLVED                                                              | (1) NAME<br>Gasoline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    | QUANTITY LOST (GALLONS)<br><input checked="" type="checkbox"/> UNKNOWN                                                                                                             |                                                                                                 |
|                                                                                  | (2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/> UNKNOWN                                                                                                                                                   |                                                                                                 |
| DISCOVERY/ABATEMENT                                                              | DATE DISCOVERED<br>04/04/91                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                       | HOW DISCOVERED<br><input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS<br><input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER                                                                                                                     |                                                                                                                                                                                    |                                                                                                 |
|                                                                                  | DATE DISCHARGE BEGAN<br>UNKNOWN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                       | METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)<br><input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING<br><input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE<br><input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER |                                                                                                                                                                                    |                                                                                                 |
|                                                                                  | HAS DISCHARGE BEEN STOPPED?<br><input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |                                                                                                 |
| SOURCE/CAUSE                                                                     | SOURCE OF DISCHARGE<br><input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                       | CAUSE(S)<br><input checked="" type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL<br><input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER                                                                                                                                                             |                                                                                                                                                                                    |                                                                                                 |
|                                                                                  | CHECK ONE ONLY<br><input checked="" 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<br><input type="checkbox"/> NO ACTION TAKEN <input checked="" type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION<br><input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS<br><input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY                                                                                                            |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |                                                                                                 |
|                                                                                  | CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)<br><input type="checkbox"/> CAP SITE (CS) <input checked="" type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IB)<br><input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS)<br><input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> OTHER (OT) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |                                                                                                 |
|                                                                                  | COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |                                                                                                 |

2ND COPY SENT



## INSTRUCTIONS

### EMERGENCY

Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2600 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

### LOCAL AGENCY ONLY

To avoid duplicate notification pursuant to Health and Safety Code Section 25130.5, a government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

### REPORTED BY

Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

### RESPONSIBLE PARTY

Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

### SITE LOCATION

Enter information regarding the tank facility. At a minimum, you must provide the facility name and full address.

### IMPLEMENTING AGENCIES

Enter names of the local agency and Regional Water Quality Control Board involved.

### SUBSTANCES INVOLVED

Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

### DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

### SOURCE/CAUSE

Indicate source(s) of leak. Check box(es) indicating cause of leak.

### CASE TYPE

Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

### CURRENT STATUS

Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil. Descriptions of options follow:

No Action Taken - No action has been taken by responsible party beyond initial report of leak.

Leak Being Confirmed - Leak suspected at site, but has not been confirmed.

Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.

Preliminary Site Assessment Underway - implementation of workplan.

Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.

Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.

Cleanup Underway - implementation of remediation plan.

Post Cleanup Monitoring In Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.

Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

### REMEDIAL ACTION

Indicate which action have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.

Containment Barrier - install vertical dike to block horizontal movement of contaminant.

Excavate and Dispose - remove contaminated soil and dispose in approved site.

Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).

Remove Free Product - remove floating product from water table.

Pump and Treat Groundwater - generally employed to remove dissolved contaminants.

Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.

Replace Supply - provide alternative water supply to affected parties.

Treatment at Hookup - install water treatment devices at each dwelling or other place of use.

Vacuum Extract - use pumps or blowers to draw air through soil.

Vent Soil - bore holes in soil to allow volatilization of contaminants.

No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

### DISTRIBUTION

If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies intact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designees to receive Proposition 65 notifications.
5. Owner/responsible party.

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

|                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |                                                                        |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| EMERGENCY<br><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED?<br><input type="checkbox"/> YES <input type="checkbox"/> NO |                                                                                                                                                                                                                                                                                                                                                                                                    | FOR LOCAL AGENCY USE ONLY<br>I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM. |                                                                        |
| REPORT DATE<br>01/07/91                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CASE #                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                    | SIGNED _____ DATE _____                                                                                                                                                            |                                                                        |
| REPORTED BY                                                                      | NAME OF INDIVIDUAL FILING REPORT<br>DL VUKELICH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                       | PHONE<br>(415)                                                                                                                                                                                                                                                                                                                                                                                     | SIGNATURE<br>                                                                                                                                                                      |                                                                        |
|                                                                                  | REPRESENTING<br><input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OTHER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                       | <input type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD                                                                                                                                                                                                                                                                                                                    | COMPANY OR AGENCY NAME<br>CHEVRON USA INC                                                                                                                                          |                                                                        |
| ADDRESS<br>2470 Camino Ramon SAN RAMON CA 94583                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |                                                                        |
| RESPONSIBLE PARTY                                                                | NAME<br>CHEVRON OIL Inc. <input type="checkbox"/> UNKNOWN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                       | CONTACT PERSON                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                    | PHONE<br>( )                                                           |
|                                                                                  | ADDRESS<br>STREET CITY STATE ZIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |                                                                        |
| SITE LOCATION                                                                    | FACILITY NAME (IF APPLICABLE)<br>Former Service Station                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                       | OPERATOR<br>PACTA PERUE                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                    | PHONE<br>( )                                                           |
|                                                                                  | ADDRESS<br>Hwy 1580 & Gentleline Rd TRACY ALAMEDA 95374                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |                                                                        |
| IMPLEMENTING AGENCIES                                                            | LOCAL AGENCY<br>Alameda County Health                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                       | AGENCY NAME                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                    | CONTACT PERSON<br>G. J. Wislar / Larry Sedo                            |
|                                                                                  | REGIONAL BOARD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    | PHONE<br>(415) 744-3000<br>(415) 464                                   |
| SUBSTANCES INVOLVED                                                              | (1) NAME<br>Gasoline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    | QUANTITY LOST (GALLONS)<br><input checked="" type="checkbox"/> UNKNOWN |
|                                                                                  | (2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    | <input type="checkbox"/> UNKNOWN                                       |
| DISCOVERY/ABATEMENT                                                              | DATE DISCOVERED<br>01/04/91                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                       | HOW DISCOVERED<br><input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS<br><input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER                                                                                                                     |                                                                                                                                                                                    |                                                                        |
|                                                                                  | DATE DISCHARGE BEGAN<br>UNKNOWN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                       | METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)<br><input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING<br><input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE<br><input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER |                                                                                                                                                                                    |                                                                        |
|                                                                                  | HAS DISCHARGE BEEN STOPPED?<br><input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |                                                                        |
| SOURCE/CAUSE                                                                     | SOURCE OF DISCHARGE<br><input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN<br><input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                       | CAUSE(S)<br><input checked="" type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL<br><input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER                                                                                                                                                             |                                                                                                                                                                                    |                                                                        |
|                                                                                  | CASE TYPE<br><input checked="" 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<br><input type="checkbox"/> NO ACTION TAKEN <input checked="" type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION<br><input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS<br><input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY                                                                                                                                                                                   |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |                                                                        |
|                                                                                  | REMEDIAL ACTION<br>CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)<br><input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT)<br><input type="checkbox"/> CAP SITE (CD) <input checked="" type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS)<br><input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS)<br><input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> OTHER (OT) |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |                                                                        |
| COMMENTS                                                                         | _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                    |                                                                        |

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### REMEDIAL ACTION

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Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.  
Containment Barrier - install vertical dike to block horizontal movement of contaminant.  
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Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).  
Remove Free Product - remove floating product from water table.  
Pump and Treat Groundwater - generally employed to remove dissolved contaminants.  
Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.  
Replace Supply - provide alternative water supply to affected parties.  
Treatment at Hookup - install water treatment devices at each dwelling or other place of use.  
Vacuum Extract - use pumps or blowers to draw air through soil.  
Vent Soil - bore holes in soil to allow volatilization of contaminants.  
No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

### DISTRIBUTION

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1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 94212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

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)

June 5, 1991

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

**RE: Site investigation and remediation requirements following  
underground tank removals from former Chevron 9-7127, I-580 &  
Grantline Rd., Alameda County**

Dear Ms. Vukelich:

On April 4, 1991, Golden West Builders removed five underground storage tanks from the above location, three that contained gasoline, one that contained waste oil, and one that contained heating oil. Gasoline contamination during the removal was obvious. Results of soil samples collected from beneath the tanks confirmed this contamination, showing levels of gasoline at up to 5,700 parts per million (ppm). Apparently, additional excavation occurred several weeks later, and soil samples collected after this excavation was completed still contained gasoline. Based on this information, the Regional Water Quality Control Board (RWQCB) requires a preliminary contaminant assessment to be initiated at this site. Please file an Unauthorized Release Report with this office immediately. Then, please submit a preliminary assessment work plan to us that addresses the points raised in this letter and its attachment.

This office will be the lead agency overseeing environmental investigation and cleanup activities at the site. The RWQCB is currently unable to manage the large number of fuel leak cases within Alameda County, and has therefore delegated this authority to our office. However, you must keep the Water Board apprised of all actions taken to characterize and remediate contamination at this site, because the Board retains the ultimate responsibility for ensuring protection of waters of the state.

The preliminary investigation should assess the extent of soil and groundwater contamination resulting from the tanks. The information gathered by this investigation will dictate whether additional actions are needed at the site. The preliminary assessment should be designed to provide all of the information in the format shown in the attachment at the end of this letter, which is based on RWQCB guidelines. At least three monitoring wells shall be installed around the former gasoline tank pit, to enable determination of groundwater flow direction beneath the site, and to check for the extent (if any) of groundwater contamination.

Ms. Nancy Vukelich  
June 5, 1991  
Page 2 of 2

Until remediation is complete, Chevron must submit reports to this office and to the RWQCB every three months (or at a more frequent interval, if specified at any time by either agency). These reports must include information pertaining to further investigative results; the methods and costs of cleanup actions implemented to date; and the method and location of disposal of any contaminated material.

Soils contaminated at hazardous waste concentrations (defined specifically as above 1,000 ppm gasoline) should be transported by a licensed hazardous waste hauler and disposed of or treated at a facility approved by the CA Department of Health Services. Soils contaminated below the hazardous waste threshold may be managed as nonhazardous, but are still subject to the RWQCB's waste discharge requirements. Copies of manifests or receipts for all soil disposal must be sent to this office. Currently stockpiled soil may require further characterization prior to disposal.

Please submit a work plan to this office no later than July 3, 1991. Copies of the proposal should also be sent to the RWQCB (attention: Lester Feldman). Because we are overseeing this site under the designated authority of the Water Board, this letter constitutes a formal request for technical reports, per Sec. 13267(b) of the California Water Code. Failure to respond in a timely manner could result in civil liabilities under the Water Code of up to \$1,000 per day. Other violations of California law may also be cited.

If you have any questions about this letter or about remediation requirements established by the RWQCB, please contact the undersigned at 271-4320.

Sincerely,

*Gilbert M. Wistar*

Gil Wistar  
Hazardous Materials Specialist

enclosure

cc: Howard Hatayama, DOHS  
Lester Feldman, San Francisco Bay RWQCB  
Rafat Shahid, Asst. Agency Director, Environmental Health  
files

*R*

white -env.health  
 yellow -facility  
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH  
 Hazardous Materials Inspection Form

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

II, III

Site ID # \_\_\_\_\_ Site Name Altamond Pass Chevron Today's Date 4/4/91

Site Address I 580 / Grantline Rd.

City Alameda Co. Zip 94 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:

Removal of five single-wall underground tanks, all made of fiberglass. Three of the tanks contained gasoline, and are together in one pit; the other two contained waste oil and heating oil, respectively. The latter two tanks are round/spherical.

All of the tanks are intact, with no holes visible. Several of the larger tanks have delamination of the structural ribs.

First soil sample taken at a depth of about 3 feet, adjacent to large pit and below vapor return piping. This soil was ~~disturbed and stained~~ and smelled of gasoline.

Backfill/soil at base of pit contaminated. Because of concrete or bedrock in the pit, some soil samples were taken from sidewalls rather than beneath tank. There is a strong odor of aged gasoline in these samples.

A very small amount of groundwater is standing at a depth of about 15 feet. One water sample to be collected from waste oil pit, if possible. Several pipeline samples and discharge samples also collected.

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. MATLS

- 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(i)
- 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 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 _____                                                                             |
|                               | 7. Precip 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: Isordon Johnson  
 Title: C. M. Rep.  
 Signature: [Signature]

Inspector: \_\_\_\_\_  
 Signature: [Signature]

II, III

**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**

ACCEPTED 3/25/91

DEPARTMENT OF ENVIRONMENTAL HEALTH  
470 - 27th Street, 3rd Floor  
Oakland, CA 94612  
Telephone: (415) 949-2257  
*gmw*

These plans have been reviewed and found to be acceptable and comply with the requirements of State and local health laws. Changes to your plans including the Department are in return compliance with State and local laws. The permit prepared herein is now released for use in any required building permits or construction. One copy of these documents must be on the job and available to all contractors and employees involved in the removal.

Any change or alterations of these plans and specifications must be submitted to this Department and approved by the Building Inspection Department. No construction if it changes must be submitted to this Department and local level. Notify this Department at least 48 hours prior to following required inspections:

- \_\_\_\_\_ Removal of Tank and Piping
- \_\_\_\_\_ Sampling
- \_\_\_\_\_ Final Inspection

Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

*All piping to be removed with tanks.*

**UNDERGROUND TANK CLOSURE/MODIFICATION PLANS**

1. Business Name Altamont Chevron  
Business Owner Chevron U.S.A. Inc
2. Site Address 1-580 E Grant Line Rd  
City Livermore Zip 94550 Phone N/A
3. Mailing Address 2410 Camino Ramon  
City San Ramon Ca Zip 94583 Phone (415) 842-9521
4. Land Owner Carnazzo Land Company  
Address P.O. Box 6031 City, State Atascadero Ca zip 93423
5. EPA I.D. No. CAC 000574264
6. Contractor Golden West Builders  
Address 1060 Minnesota Ave  
City Brentwood Ca 94513 Phone (415) 634-1998  
License Type A, B, C9, HAZ. ID# 432103
7. Consultant Blaine Tech Services  
Address 1370 Tully Rd Ste 505  
City San Jose Phone (408) 995-5535

592363  
3/13/91  
01,284.00

8. Contact Person for Investigation

Name Gordon Johnson Title Engineer  
Phone (415) 842-9521

9. Total No. of Tanks at facility 5

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

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Transporter

Name Erickson Trucking EPA I.D. No. CAD 009466392  
Address 255 Parr Blvd  
City Richmond State Ca Zip 94801

b) Rinsate Transporter

Name Erickson Trucking EPA I.D. No. CAD 009466392  
Address 255 Parr Blvd  
City Richmond State Ca Zip 94801

c) Tank Transporter

Name Erickson Trucking EPA I.D. No. CAD 009466392  
Address 255 Parr Blvd  
City Richmond State Ca Zip 94801

d) Tank Disposal Site

Name Erickson Trucking EPA I.D. No. CAD 009466392  
Address 255 Parr Blvd  
City Richmond State Ca Zip 94801

e) Contaminated Soil Transporter

Name Erickson Trucking EPA I.D. No. CAD 009466392  
Address 255 Parr Blvd  
City Richmond State Ca Zip 94801



12. Sample Collector

Name Richard Blaine  
 Company Blaine Tech Services  
 Address 1370 Tully Rd. Ste 505  
 City San Jose State Ca Zip 95122 Phone \_\_\_\_\_

13. Sampling Information for each tank or area

| Tank or Area  |                                  | Material sampled | Location & Depth                             |
|---------------|----------------------------------|------------------|----------------------------------------------|
| Capacity      | Historic Contents (past 5 years) |                  |                                              |
| 5750 gal (6x) | Regular Unleaded                 | soil             | below tank bottom at 13' depth<br> <br>_____ |
| 9500 gal (6x) | Supreme Unleaded                 | soil             |                                              |
| 9500 gal (6x) | Regular Leaded                   | soil             |                                              |
| 1500 gal      | Waste Oil                        | soil             |                                              |
| 850 gal       | Fuel Oil                         | soil             |                                              |

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

If yes, describe. No record of a leak is in office files

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

If yes, describe. Inert gasoline tanks with dry ice using 15 lbs per 1000 gallon tank capacity

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

16. Laboratories

Name Superior Analytical Labs  
 Address 825 Arnold Ste 114  
 City Martinez State Ca Zip 94553  
 State Certification No. DDHS # 319 DDHS # 220

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               |
|------------------------------------------|-----------------------------------------------------|--------------------------------------------------|
| Diesel<br>TPH-D<br>BTX-E                 | EPA 3550<br>EPA 5030                                | GC/FID MODIFIED EPA 8015<br>EPA 8020             |
| Gasoline<br>TPH-G<br>BTX-E<br>total lead | EPA 5030<br>EPA 5030<br>EPA 3050                    | GC/FID MODIFIED EPA 8015<br>EPA 8020<br>EPA 7421 |
| Fuel Oil<br>TPH-D<br>BTX-E               | EPA 3550<br>EPA 5030                                | GC/FID MODIFIED EPA 8015<br>EPA 8020             |
| Waste Oil -                              | per Alameda County requirements (attached)          |                                                  |

18. Submit Site Safety Plan

19. Workman's Compensation: Yes [X] No [ ]

Copy of Certificate enclosed? Yes [X] No [ ]

Name of Insurer State Fund 571-1486-90 EXP-10-1-91

20. Plot Plan submitted? Yes [X] No [ ]

21. Deposit enclosed? Yes [X] 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

TABLE #2  
REVISED 10 AUGUST 1990

RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR  
UNDERGROUND TANK LEAKS

| <u>HYDROCARBON LEAK</u>              | <u>SOIL ANALYSIS</u>                                                                                  |                                                                                                                         | <u>WATER ANALYSIS</u>                     |                                                                          |
|--------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------|
| <u>Unknown Fuel</u>                  | TPH G<br>TPH D<br>BTX&E<br>or TPH AND BTX&E by 8260                                                   | GCFID(5030)<br>GCFID(3550)<br>8020 or 8240<br>CRYOGENIC FOCUSING                                                        | TPH G<br>TPH D<br>BTX&E                   | GCFID(5030)<br>GCFID(3510)<br>602, 624 or 8260                           |
| <u>Leaded Gas</u>                    | TPH G<br>BTX&E<br>or TPH AND BTX&E by 8260<br>TOTAL LEAD AA                                           | GCFID(5030)<br>8020 or 8240<br>CRYOGENIC FOCUSING<br>AA                                                                 | TPH G<br>BTX&E<br>TOTAL LEAD AA           | GCFID(5030)<br>602, 624 or 8260                                          |
|                                      | ---Optional---                                                                                        |                                                                                                                         |                                           |                                                                          |
|                                      | TEL<br>EDB                                                                                            | DHS-LUFT<br>DHS-AB1803                                                                                                  | TEL<br>EDB                                | DHS-LUFT<br>DHS-AB1803                                                   |
| <u>Unleaded Gas</u>                  | TPH G<br>BTX&E<br>or TPH AND BTX&E by 8260                                                            | GCFID(5030)<br>8020 or 8240<br>CRYOGENIC FOCUSING                                                                       | TPH G<br>BTX&E                            | GCFID(5030)<br>602, 624 or 8260                                          |
| <u>Diesel</u>                        | TPH D<br>BTX&E<br>or TPH AND BTX&E by 8260                                                            | GCFID(3550)<br>8020 or 8240<br>CRYOGENIC FOCUSING                                                                       | TPH D<br>BTX&E                            | GCFID(3510)<br>602, 624 or 8260                                          |
| <u>Jet Fuel</u>                      | TPH D<br>BTX&E<br>or TPH AND BTX&E by 8260                                                            | GCFID(3550)<br>8020 or 8240<br>CRYOGENIC FOCUSING                                                                       | TPH D<br>BTX&E                            | GCFID(3510)<br>602, 624 or 8260                                          |
| <u>Kerosene</u>                      | TPH D<br>BTX&E<br>or TPH AND BTX&E by 8260                                                            | GCFID(3550)<br>8020 or 8240<br>CRYOGENIC FOCUSING                                                                       | TPH D<br>BTX&E                            | GCFID(3510)<br>602, 624 or 8260                                          |
| <u>Fuel/Heating Oil</u>              | TPH D<br>BTX&E<br>or TPH AND BTX&E by 8260                                                            | GCFID(3550)<br>8020 or 8240<br>CRYOGENIC FOCUSING                                                                       | TPH D<br>BTX&E                            | GCFID(3510)<br>602, 624 or 8260                                          |
| <u>Chlorinated Solvents</u>          | CL HC<br>BTX&E<br>or CL HC AND BTX&E 8260                                                             | 8010 or 8240<br>8020 or 8240<br>8260                                                                                    | CL HC<br>BTX&E<br>or CL HC AND BTX&E 8260 | 601 or 624<br>602 or 624<br>8260                                         |
| <u>Non Chlorinated Solvents</u>      | TPH D<br>BTX&E<br>or TPH AND BTX&E 8260                                                               | GCFID(3550)<br>8020 or 8240<br>8260                                                                                     | TPH D<br>BTX&E<br>or TPH AND BTX&E 8260   | GCFID(3510)<br>602 or 624<br>8260                                        |
| <u>Waste and Used Oil or Unknown</u> | TPH G<br>TPH D<br>or TPH AND BTX&E by 8260<br>O & G<br>BTX&E<br>CL HC<br>ICAP or AA TO DETECT METALS: | GCFID(5030)<br>GCFID(3550)<br>8260 CRYOGENIC FOCUSING<br>5520 D&F<br>8020 or 8240<br>8010 or 8240<br>Cd, Cr, Pb, Zn, Ni | TPH G<br>TPH D<br>O & G<br>BTX&E<br>CL HC | GCFID(5030)<br>GCFID(3510)<br>5520 C&F<br>602, 624 or 8260<br>601 or 624 |

METHOD 8270 FOR SOIL OR WATER TO DETECT:  
PCB\*  
PCP\*  
PNA  
CREOSOTE  
PCB\*  
PCP\*  
PNA  
CREOSOTE

\*If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

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.

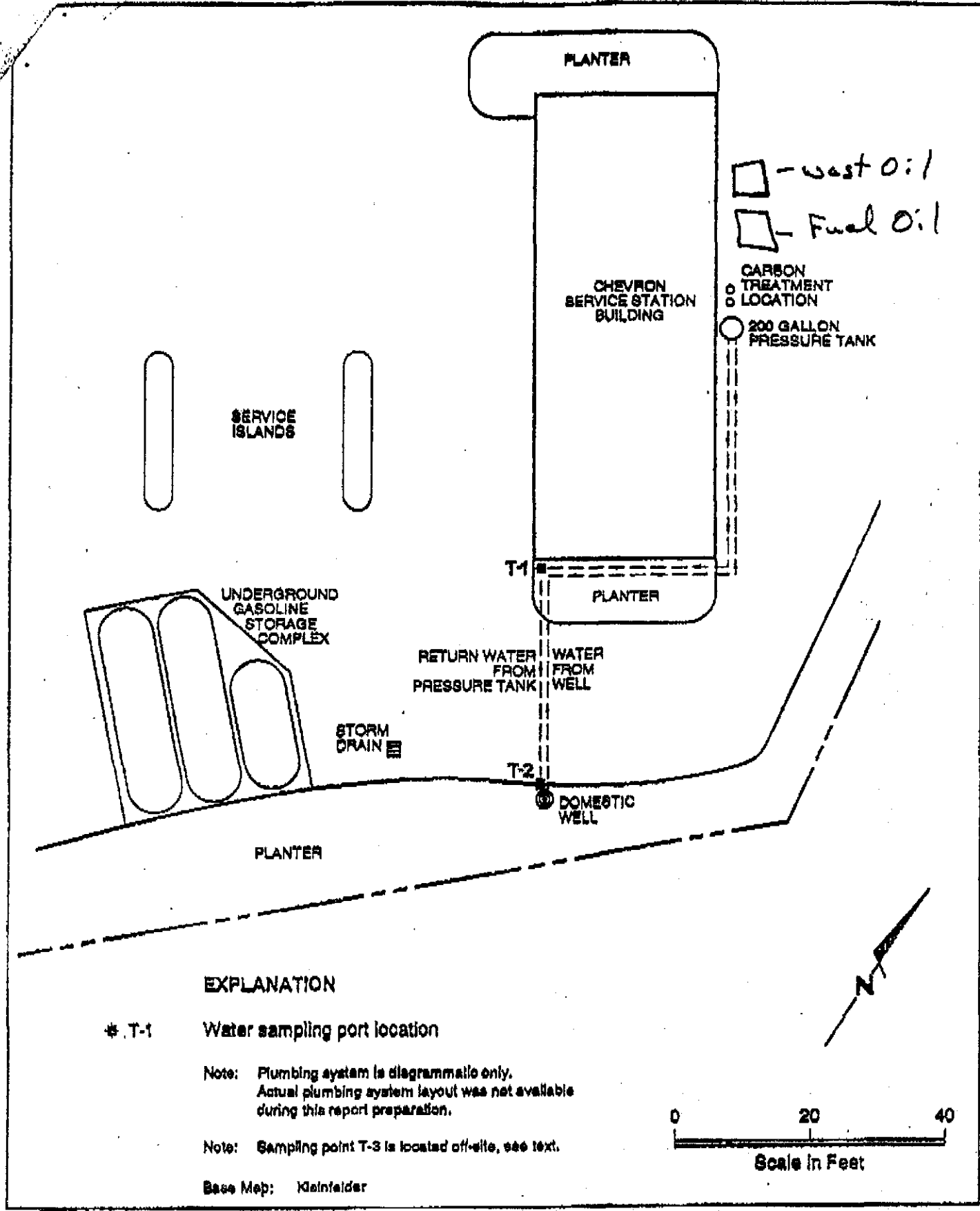
I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor

Name (please type) Ken Vandegrift  
Signature Ken Vandegrift  
Date 3-12-91

Signature of Site Owner or Operator

\* Name (please type) Gordon Johnson  
Signature Gordon Johnson  
Date 3-11-91



**EXPLANATION**

\* T-1 Water sampling port location

Note: Plumbing system is diagrammatic only. Actual plumbing system layout was not available during this report preparation.

Note: Sampling point T-3 is located off-site, see text.

Base Map: Kainfalter



GeoStrategies Inc.

Well Sampling Port Location Map  
Chevron USA Service Station #7127  
Grant Line Road  
Tracy, California

PLATE  
**4**

**STATE  
COMPENSATION  
INSURANCE  
FUND**

P.O. BOX 807, SAN FRANCISCO, CA 94101-0807

**CERTIFICATE OF WORKERS' COMPENSATION INSURANCE**

POLICY NUMBER: GRP 571-90 UT 1486  
CERTIFICATE EXPIRES: 10-01-91

COUNTY OF ALAMEDA  
EHD - HAZADOUS MATERIAL DIVISION  
80 SWAN WAY, RM. 200  
OAKLAND, CA 94621

RE: Altamont Chevron  
I-580 & S. Grant Line Rd.  
Livermore, CA

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

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

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

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

  
PRESIDENT

FAX (415) 634-2515

EMPLOYER

GOLDEN WEST BUILDERS  
P.O. BOX 1236  
BRENTWOOD, CA 94513

SITE WORK HEALTH AND SAFETY PLAN  
CHEVRON TANK AND EQUIPMENT REMOVAL

PREPARED FOR  
ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
DEPARTMENT OF ENVIRONMENTAL HEALTH  
HAZARDOUS MATERIALS DIVISION  
80 SWAN WAY, ROOM 200  
OAKLAND, CALIFORNIA 94621

PREPARED BY  
GOLDEN WEST  
1060 MINNESOTA AVENUE  
P.O. BOX 1236  
BRENTWOOD, CALIFORNIA 94513  
(415) 634-1998

MARCH 1991

SITE WORK HEALTH AND SAFETY PLAN

CHEVRON TANK

EMERGENCY TELEPHONE NUMBERS

Fire ..... 911  
First Aid ..... 911  
Ambulance ..... 911  
Police ..... 911  
Poison Control Center..... (408) 299-5111

Hospital

Valley Memorial Hospital  
1111 East Stanley Blvd.  
Livermore, CA 94550.....(415) 447-7000

Alameda County EHD.....(415) 271-4320

Alameda County Fire Patrol  
Livermore.....(415) 551-6868

Golden West Builders  
D. Bailey Neff.....(415) 634-1998  
Rick Henderson .....(415) 634-1998

Nearest Available Telephone at Site



## PREFACE

This Site Work Health and Safety Plan has been prepared for Chevron Tank and Equipment Removal.

**SITE WORK HEALTH AND SAFETY PLAN**  
**CHEVRON TANK AND EQUIPMENT REMOVAL**

1. GENERAL

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

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

## 2. SITE/WORK DESCRIPTION

The subject property is located at 1-580 and South Grant Line Road, Livermore, California. The site address is 10 South Grant Line Rd. A site location map is provided in Figure 1 - 1.

Five buried tanks and contaminated soil, (if any), will be excavated from the site.

## 3. WORK OBJECTIVE

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

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

- o Provide for safe tank removal.
  
- o Provide for safe and proper tank disposal.

14. SAFETY MANAGEMENT

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

1. Personnel shall be physically able (and mentally willing) to comply with safety requirements.
  
2. A copy of this safety plan shall be posted at the job site, and a copy made available to each individual who will work at the site.
  
3. These plans should also include and/or address as a separate plan, the following:
  - a. A Worker Hazard Communication Program.

4. Periodically scheduled "tailgate safety" meetings shall be held to review the safety program. Attendees will sign the Safety Meeting notice.
5. Unsafe acts shall be stopped when discovered.
6. Required safety equipment shall be present on site and shall be checked to verify completeness and function prior to being put into service.
7. Sources of ignition will be eliminated where possible. Smoking will be strictly forbidden on site.
8. The field supervisor is Harold Speelman. Personnel may change depending on field conditions. Changes will be noted in the field log book.

5. HAZARDS

Identified Hazards

- o Hazards associated with general construction may occur during the course of remediation. Personnel should be alert and prevent as well as avoid these hazards.

- o During tank removal, there is a significant potential for hazards from falling loads when lifting and removing tanks. Workers must be especially alert to this hazard.
- o During general construction activities, there is also a potential for general (construction type) safety hazards. This plan does not address general safety in detail. If personnel are frequently reminded and will cooperate in being courteous, careful, alert, and thoughtful of outlined safety procedures, and, if they use common sense in actions and in considering probable consequences, much will already have been accomplished to insure a safe working environment.
- o Fires may occur from sources of ignition
- o Contamination exposure is negligible on this project. Activities will cease and proper notification made if contamination is found.
- o No noise or electrical hazards are known to exist at the present time.

6. EXCLUDED WORK ZONE

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

7. HAZARD COMMUNICATION

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

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

8. ON-SITE WORK PLAN

Removal of Flammable Vapors and Removal of Tanks

Removal of flammable vapors and removal of tanks will be performed in accordance with the requirements of the Alameda County Fire Patrol and Alameda County EHD. The following are general guide lines.

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

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

Note: Tanks to be pulled when LEL and Oxygen are less than 10% each per Alameda County EHD.



### Emergency Services

The address and telephone number of the local hospital, ambulance and medical emergency room should be prominently posted. In addition, the telephone number of a fire department/rescue unit should be posted.

General information regarding emergency services may be found on page 2.

### Emergency Equipment

The following emergency equipment will be available:

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

### 9. DECONTAMINATION

The requirement for decontamination is anticipated to be negligible.

Pre moistened tissues will be available.

## 10. SAFETY TRAINING REQUIREMENTS

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

## 11. EQUIPMENT

### Personal Safety Equipment

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

- o Hard hats.
  
- o Safety glasses and/or goggles.
  
- o Respirators.
  
- o Coveralls
  
- o Boots
  
- o Gloves

## Facility Safety Equipment

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

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

## 12. PERSONAL HEALTH AND HYGIENE

- o Personal safety and the safety of fellow workers require mental alertness on the part of all employees. No alcohol or drugs shall be permitted at any job site. Intake of alcohol and prescription drugs should be limited when an employee is assigned to hazardous material remediation projects, due to the potential for synergistic effects. Prescription drugs should not be taken without the express approval of a physician with knowledge of project/site activities.
- o Eating and smoking will only take place in an approved break area.

# BLAINE TECH SERVICES INC.

1370 TULLY RD., SUITE 505  
SAN JOSE, CA 95122  
(408) 995-5535

91 JUN 14 AM 10:00

## FAX TRANSMITTAL

FROM (408) 293-8773

Date 4-23-91

Project 910416v1

To Gordon Johnson

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Total pages including this  
cover sheet: 3

From Elaine Holland

### Remarks:

\_\_\_\_\_  
Sketch and lab results:  
\_\_\_\_\_  
Station 97127  
\_\_\_\_\_  
Tracy  
\_\_\_\_\_  
Sampled 4-16-91  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

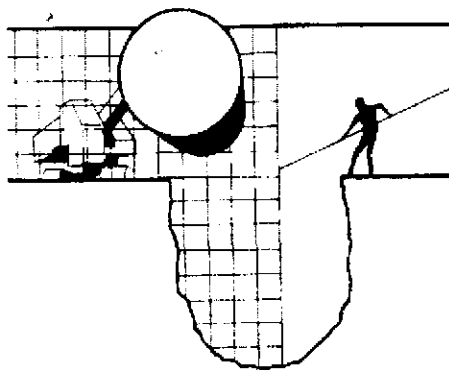
Laboratory will FAX you the hard copies.

Station 97127 Sampled 4-16-91 Project 910416V1

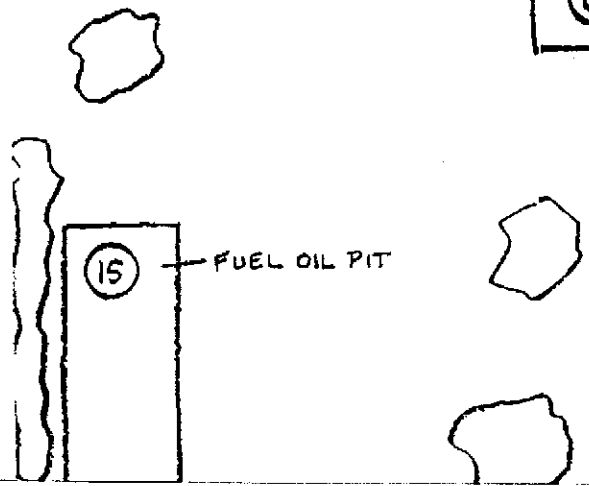
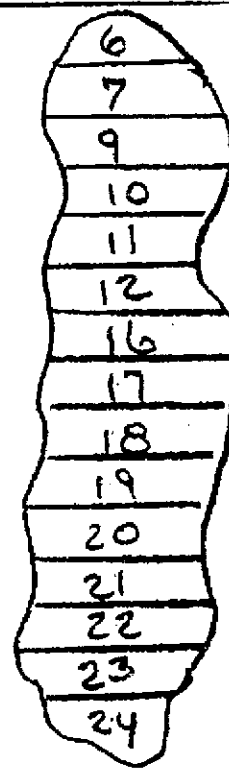
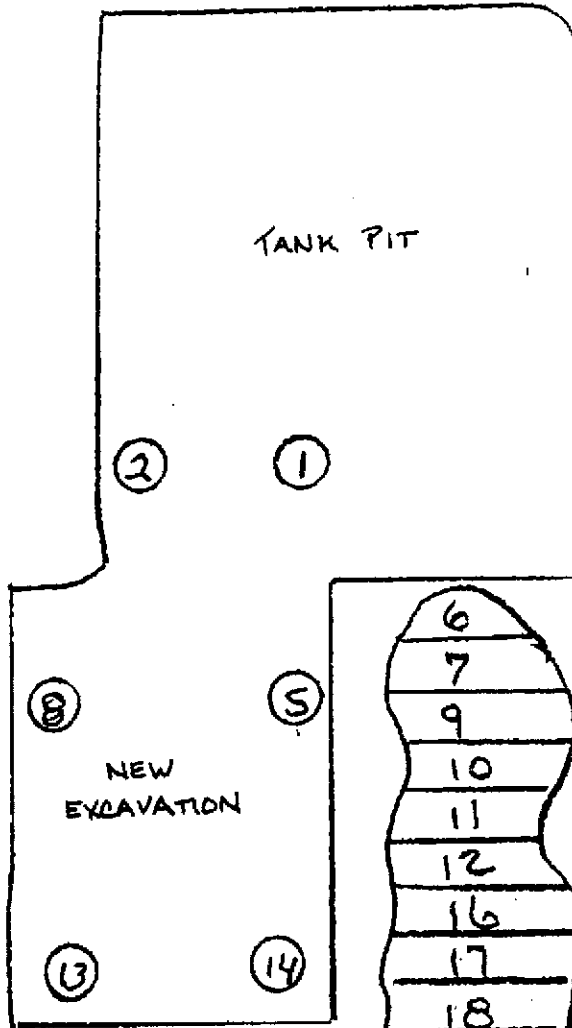
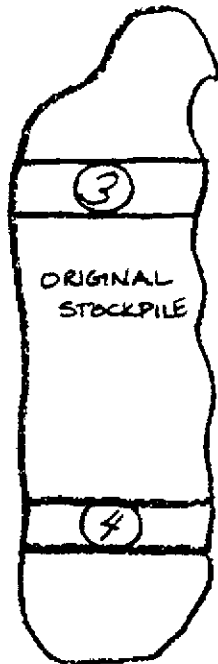
| I.D.# | TPH GAS | B      | T      | E     | X     | TPH DIESEL | OIL & GREASE | CD | CR | Total PB | ZN | NI | EPA8010 |
|-------|---------|--------|--------|-------|-------|------------|--------------|----|----|----------|----|----|---------|
| 1     | 16      | 0.009  | 0.014  | 0.021 | 0.17  |            |              |    |    | 3.6      |    |    |         |
| 2     | 710     | 0.013  | 0.063  | 0.096 | 0.41  |            |              |    |    | 8.1      |    |    |         |
| 3     | ND      | ND     | ND     | ND    | ND    |            |              |    |    | 6.1      |    |    |         |
| 4     | 5.2     | ND     | ND     | ND    | ND    |            |              |    |    | 8.1      |    |    |         |
| 5     | 220     | ND     | 0.80   | 1.7   | 10    |            |              |    |    | 2.6      |    |    |         |
| 6     | 430     | 0.20   | 1.2    | 2.5   | 12    |            |              |    |    | 7.6      |    |    |         |
| 7     | 420     | 1.8    | 9.6    | 6.0   | 38    |            |              |    |    | 5.1      |    |    |         |
| 8     | 33      | 0.085  | 0.24   | 0.27  | 1.5   |            |              |    |    | 6.1      |    |    |         |
| 9     | 39      | 0.080  | 0.13   | 0.27  | 1.5   |            |              |    |    | 7.1      |    |    |         |
| 10    | 45      | 0.10   | 0.29   | 0.41  | 2.4   |            |              |    |    | 5.1      |    |    |         |
| 11    | 180     | ND     | 1.7    | 2.1   | 13    |            |              |    |    | 6.1      |    |    |         |
| 12    | 74      | ND     | 0.50   | 0.60  | 3.5   |            |              |    |    | 6.6      |    |    |         |
| 13    | 11      | ND     | 0.047  | 0.044 | 0.31  |            |              |    |    | 6.1      |    |    |         |
| 14    | 9.2     | 0.0050 | 0.0060 | 0.030 | 0.13  |            |              |    |    | 3.6      |    |    |         |
| 15    | ND      | ND     | ND     | ND    | ND    |            |              |    |    | 6.1      |    |    |         |
| 16    | 190     | ND     | 0.45   | 0.70  | 3.7   |            |              |    |    | 4.1      |    |    |         |
| 17    | 9.4     | 0.046  | 0.074  | 0.090 | 0.56  |            |              |    |    | 5.1      |    |    |         |
| 18    | 38      | ND     | 0.060  | 0.13  | 0.93  |            |              |    |    | 6.6      |    |    |         |
| 19    | 2.9     | 0.010  | 0.0090 | 0.012 | 0.053 |            |              |    |    | 4.1      |    |    |         |
| 20    | 2.0     | 0.067  | 0.0070 | 0.026 | 0.078 |            |              |    |    | 6.1      |    |    |         |
| 21    | 2.4     | 0.0070 | 0.011  | 0.016 | 0.037 |            |              |    |    | 9.1      |    |    |         |
| 22    | 7.8     | 0.031  | 0.014  | 0.038 | 0.21  |            |              |    |    | 6.1      |    |    |         |
| 23    | 6.4     | 0.016  | 0.034  | 0.033 | 0.25  |            |              |    |    | 6.1      |    |    |         |
| 24    | 4.1     | ND     | ND     | 0.014 | 0.084 |            |              |    |    | 11       |    |    |         |

# BLAINE TECH SERVICES INC.

1370 TULLY RD., SUITE 505  
SAN JOSE, CA 95122  
(408) 995-5535



Station 97127  
Sampled 4-16-91  
Project 910416V1



FAX TRANSMITTAL

FROM (408) 293-8773

Date 1-11-91

Project 910404G-1  
#7127, TRACY

To GORDON JOHNSON

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Total pages including this  
cover sheet: 4

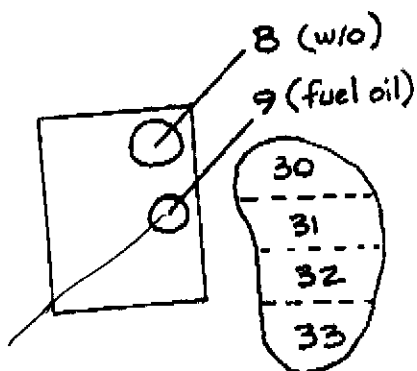
From E. Holland

Remarks: Remainder of results  
Hard copies being FAXED TO YOU  
from Lab  
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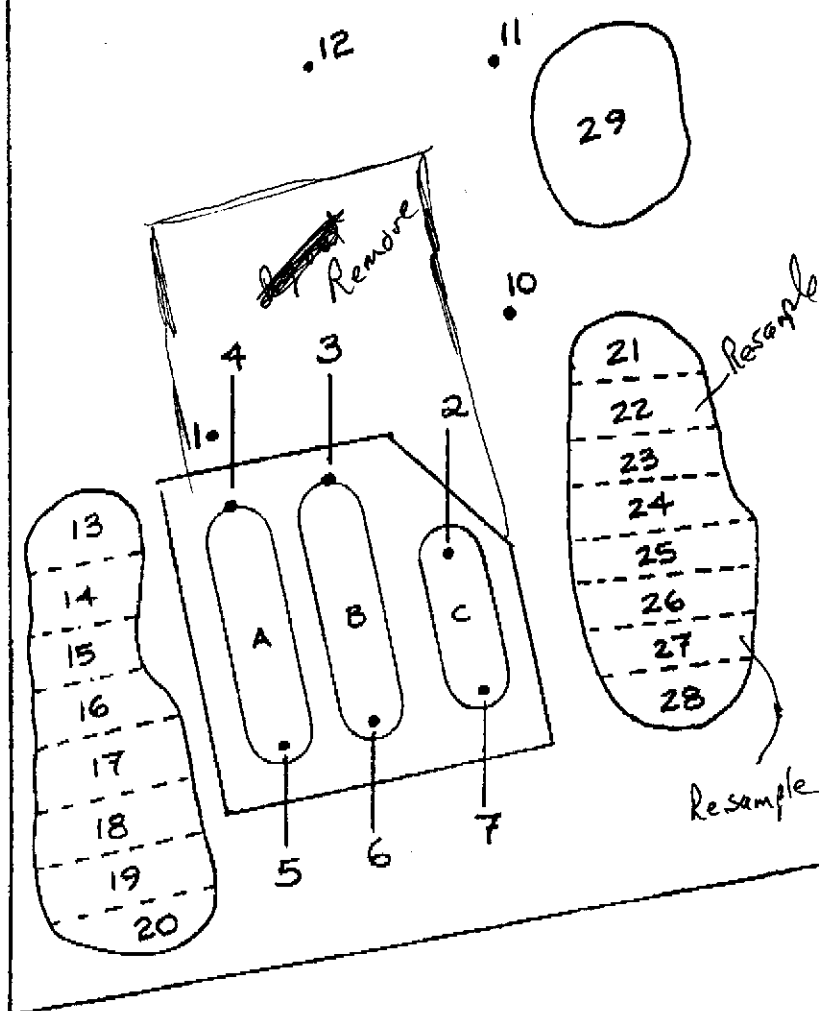
# BLAINE TECH SERVICES INC.

1370 TULLY RD., SUITE 505  
SAN JOSE, CA 95122  
(408) 995-5535

Chevron 97127  
Sampled 4-4-91  
Project # 910404G1



Remove to  
Equipment Dept



| Sample number | Depth in Feet |
|---------------|---------------|
| 1             | 2.5           |
| 2             | 15            |
| 3             | 14            |
| 4             | 13.5          |
| 5             | 14            |
| 6             | 14            |
| 7             | 12.5          |
| 8             | 11            |
| 9             | 11            |
| 10            | 4             |
| 11            | 4             |
| 12            | 4             |



Chevron 97127. Sampled 4-4-91. Project 910404G1

| I.D.# | TPH GAS | B      | T      | E      | X     | TPH DIESEL | OIL & GREASE | CD  | CR  | PB  | ZN | NI  | EPA8010 |
|-------|---------|--------|--------|--------|-------|------------|--------------|-----|-----|-----|----|-----|---------|
| 1     | 1,200   | 3.3    | 17     | 17     | 86    |            |              |     |     | 17  |    |     |         |
| 2     | 2,900   | 30     | 180    | 60     | 350   |            |              |     |     | 14  |    |     |         |
| 3     | ND      | 0.0070 | 0.016  | 0.012  | 0.030 |            |              |     |     | 7.7 |    |     |         |
| 4     | 1.0     | 0.0070 | ND     | 0.0050 | 0.030 |            |              |     |     | 9.1 |    |     |         |
| 5     | 4,000   | ND     | 41     | 66     | 310   |            |              |     |     | 13  |    |     |         |
| 6     | 5,700   | 20     | 220    | 110    | 560   |            |              |     |     | 80  |    |     |         |
| 7     | 2.1     | 0.018  | 0.013  | 0.014  | 0.046 |            |              |     |     | 6.9 |    |     |         |
| 8     | ND      | ND     | ND     | ND     | ND    | ND         | ND           | 4.8 | 7.9 | 3.3 | 23 | 10  | ND      |
| 9     | 170     | ND     | ND     | ND     | 2.7   | ND         | ND           | 2.2 | 4.4 | 1.7 | 13 | 8.5 | ND      |
| 10    | 3.3     | 0.20   | 0.043  | 0.060  | 0.16  |            |              |     |     | 7.7 |    |     |         |
| 11    | 750     | 12     | 33     | 19     | 110   |            |              |     |     | 9.5 |    |     |         |
| 12    | 15      | 0.23   | 0.19   | 0.26   | 1.3   |            |              |     |     | 6.9 |    |     |         |
| 13    | 1.8     | ND     | 0.0090 | 0.0050 | 0.085 |            |              |     |     | 12  |    |     |         |
| 14    | 9.1     | ND     | 0.036  | 0.014  | 0.28  |            |              |     |     | 8.0 |    |     |         |
| 15    | 6.2     | ND     | 0.010  | 0.030  | 0.062 |            |              |     |     | 6.6 |    |     |         |
| 16    | ND      | ND     | ND     | ND     | ND    |            |              |     |     | 8.4 |    |     |         |
| 17    | ND      | ND     | ND     | ND     | ND    |            |              |     |     | 4.4 |    |     |         |
| 18    | ND      | ND     | ND     | ND     | ND    |            |              |     |     | 5.5 |    |     |         |
| 19    | ND      | ND     | ND     | ND     | ND    |            |              |     |     | 8.0 |    |     |         |
| 20    | 1.6     | ND     | ND     | ND     | ND    |            |              |     |     | 8.4 |    |     |         |
| 21    | 6.4     | ND     | ND     | ND     | 0.028 |            |              |     |     | 5.9 |    |     |         |
| 22    | 120     | 0.032  | 0.053  | 0.12   | 1.2   |            |              |     |     | 7.7 |    |     |         |
| 23    | 60      | ND     | 0.12   | 0.32   | 0.81  |            |              |     |     | 14  |    |     |         |
| 24    | 2.9     | ND     | 0.048  | 0.021  | 0.090 |            |              |     |     | 7.7 |    |     |         |
| 25    | 5.3     | ND     | ND     | 0.012  | 0.16  |            |              |     |     | 5.1 |    |     |         |



CORRESPONDENCE DATA BASE - INPUT FORM  
BOUND/SHELVED REPORTS

New Site -  
not on data  
base

SITE ADDRESS: I 580 / Grant Line Rd. COUNTY: Alameda

FACILITY: Chevron # 9-7127 CODE: U1 - G1341A

RESP. PARTY: Chevron

CITY: Tracy STAFF: EAT

REPORT TITLE: Multiple Event Sampling Report

CONSULTANT: Blaine Tech Services

CIRCLE NUMBER AND ENTER REPORT DATE: \*

- 1 - VARIANCE PROPOSAL .....
- 2 - SITE CONTAMINATION WORKPLAN .....
- 8 - SOIL REMEDIATION PLAN .....
- 9 - PRELIMINARY INVEST. & EVAL. REPORT . 24 June 1991
- 10 - PROBLEM ASSESSMENT REPORT .....
- 11 - FINAL REMEDIATION PLAN .....
- 12 - QUARTERLY REPORT .....
- 13 - END REMEDIATION (REPORT) .....

(\* 2-6 are not necessary for reports)

Betty,  
Would you send  
one of your  
form letters  
asking for the  
leak report?  
Thanks  
Beth

SUMMARY: All UTs and piping removed, TPHg detected at  
5700 ppm in soil, overexcavated - hit bedrock at 14 ft log  
still have 710 ppm in soil

PRODUCT: Gasoline

RP CONTACT: Nancy Vukelich

LEAK:  PIPE  
 TANK  
 BOTH  
 UNDETERMINED

RP ADDRESS: P.O. Box 5004

CITY: San Ramon

STATE: CA ZIP: 94583-0804

GW IMPACTED:  YES  
 NO  
 UNDETERMINED

PHONE: (415) 842-9500 <sup>842-9581</sup>

2ND COMPANY: \_\_\_\_\_