

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



9-28-01

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

September 27, 2001

Tom Bauhs  
Chevron USA, Inc., Site Assessment & Remediation  
6001 Bollinger Canyon Rd. V1132  
PO Box 6004  
San Ramon, CA 94583-0904

Re: Former Chevron Service Station #9-0517, 3900 Piedmont Ave., Oakland, CA;  
RO0000138

Dear Mr. Bauhs:

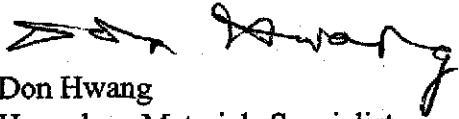
"Site Conceptual Model, Risk-Based Corrective Action Evaluation" dated December 14, 2000 by Gettler-Ryan, Inc., was reviewed.

- 1) Total Petroleum Hydrocarbons-Gasoline (TPH-G) concentrations also need to be evaluated for human health and environmental risks using accepted risk assessment thresholds.
- 2) The November 1999 groundwater concentrations were used as the representative groundwater concentrations. However, a subsequent benzene groundwater sample, in May 2000, monitoring well MW-3 had a much higher concentration, 3,100 ug/l, versus 108 ug/l. Therefore, the representative benzene groundwater concentrations should be recalculated using an average of the last four quarterly sampling events, which will include the 3,100 ug/l of May 2000.
- 3) The well and conduit surveys recommended in the report need to be implemented.
- 4) Gettler-Ryan's recommendation to reduce the sampling frequency to semiannual can be implemented.
- 5) For the Tier 1 Risk-Based Corrective Action (RBCA) evaluation, in order to avoid the issuance of a Deed Restriction, future potential use also needs to be evaluated. Include subsurface soil and groundwater volatilization to indoor air, and ingestion, dermal contact, and inhalation from surficial and subsurface soils, and residential receptor scenarios.

Mr. Bauhs  
September 27, 2001  
Page 2 of 2

If you have any questions, call me at (510) 567-6746.

Sincerely,



Don Hwang  
Hazardous Materials Specialist

*cc*  
C: Stephen Carter, Delta Environmental Consultants, Inc., 3164 Gold Camp Dr., Suite 200,  
Rancho Cordova, CA 95670-6021

File

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



9-24-01

ENVIRONMENTAL HEALTH SERVICES

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

September 20, 2001

Tom Bauhs  
Chevron USA, Inc., Site Assessment & Remediation  
6001 Bollinger Canyon Rd. V1132  
PO Box 6004  
San Ramon, CA 94583-0904

Re: Former Chevron Service Station #9-0019, 210 Grand Ave., Oakland, CA 94610;  
RO0000137

Dear Mr. Bauhs:

"Site Conceptual Model, Risk-Based Corrective Action Evaluation, and Closure Plan" dated May 10, 2000 by Gettler-Ryan, Inc., was reviewed.

- 1) Total Petroleum Hydrocarbons-Gasoline (TPH-G) concentrations also need to be evaluated for human health and environmental risks using accepted risk assessment thresholds.
- 2) For the Tier 1 Risk-Based Corrective Action (RBCA) evaluation, in order to avoid the issuance of a Deed Restriction, future potential use also needs to be evaluated. Include subsurface and groundwater volatilization to indoor air should a building be erected on the site, and ingestion, dermal contact, and inhalation from surficial and subsurface soils, and residential receptor scenarios.

If you have any questions, call me at (510) 567-6746.

Sincerely,

Don Hwang  
Hazardous Materials Specialist

C: Greg Gurss, Delta Environmental Consultants, Inc., 3164 Gold Camp Dr., Suite 200,  
Rancho Cordova, CA 95670-6021

File

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



Sent 12/16/99  
Including cc's

20137

December 15, 1999

Brett Hunter, Project Manager  
Chevron USA, Inc.  
Site Assessment & Remediation  
6001 Bollinger Canyon Rd., Bldg. L  
P.O. Box 6004  
San Ramon, CA 94583-0904

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

Re: Former Chevron Service Station #9-0019, 210 Grand Ave.,  
Oakland, CA 94610; STID 1110

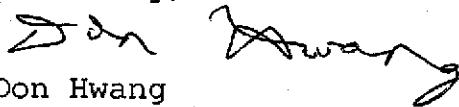
Dear Mr. Hunter:

This office has reviewed the 3rd quarter 1999 groundwater monitoring report dated November 15, 1999 by Blaine Tech Services, Inc., for the above noted facility. The September 28, 1999 sample from MW-5 found 21,300 PPB total petroleum hydrocarbons as gasoline (TPH-G), 3250 PPB benzene, 3830 PPB toluene, 656 PPB ethyl benzene, and 1450 PPB xylene (BTEX). These results are within the range of previous samples from MW-5.

You indicated that you did not plan to use ORC and instead would submit an alternative proposal. A Corrective Action Plan, which includes an assessment of impacts, a feasibility study, and applicable cleanup levels, is required. Also, the groundwater elevation contour map of September 28, 1999 indicates that all of the downgradient monitoring wells, MW-1 and MW-3, and a cross gradient well, MW-2, are inactive. MW-2 was destroyed November 15, 1991. MW-1 and MW-3 were abandoned December 29, 1995. MW-1, MW-2, and MW-3, have been sampled quarterly since March 14, 1989. These wells were inactivated after nearly all samples had nondetectable concentrations for all constituents tested. However, downgradient monitoring wells are necessary. Therefore, MW-1 and MW-3 should be examined for their suitability to be reactivated. Submit a Corrective Action Plan, which incorporates your findings within 30 days.

If you have any questions, call me at (510) 567-6746.

Sincerely,

  
Don Hwang  
Hazardous Materials Specialist

C: file  
L.S.

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

20137

December 2, 1999

Brett Hunter, Project Manager  
Chevron USA, Inc.  
Site Assessment & Remediation  
6001 Bollinger Canyon Rd., Bldg. L  
P.O. Box 6004  
San Ramon, CA 94583-0904

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

Re: Former Chevron Service Station #9-0019, 210 Grand Ave.,  
Oakland, CA 94610; STID 1110

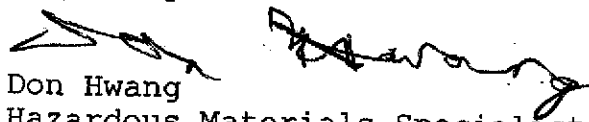
Dear Mr. Hunter:

This office has reviewed the 3rd quarter 1999 groundwater monitoring report dated November 15, 1999 by Blaine Tech Services, Inc., for the above noted facility. The September 28, 1999 sample from MW-5 found 21,300 PPB total petroleum hydrocarbons as gasoline (TPH-G), 3250 PPB benzene, 3830 PPB toluene, 656 PPB ethyl benzene, and 1450 PPB xylene (BTEX). These results are within the range of previous samples from MW-5.

You indicated that you did not plan to use ORC and instead would submit an alternative proposal. A Corrective Action Plan, which includes an assessment of impacts, a feasibility study, and applicable cleanup levels, is required. Also, the groundwater elevation contour map of September 28, 1999 indicates that all of the downgradient monitoring wells, MW-1 and MW-3, and a cross gradient well, MW-2, are inactive. MW-2 was destroyed November 15, 1991. MW-1 and MW-3 were abandoned December 29, 1995. MW-1, MW-2, and MW-3, have been sampled quarterly since March 14, 1989. These wells were inactivated after nearly all samples had nondetectable concentrations for all constituents tested. However, downgradient monitoring wells are necessary. Therefore, MW-1 and MW-3 should be examined for their suitability to be reactivated. Submit a Corrective Action Plan, which incorporates your findings within 30 days.

If you have any questions, call me at (510) 567-6746.

Sincerely,

  
Don Hwang  
Hazardous Materials Specialist

C: file  
L.S.

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R0143  
R0137  
R0146

May 25, 1999

Philip Briggs, Project Manager  
Chevron USA Inc.  
Site Assessment & Remediation  
Bldg. L, Rm. 1110  
P.O. Box 6004  
San Ramon, CA 94583-0904

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

Re: Former Chevron Service Station #9-2506, 2630 Broadway, Oakland, CA 94612;  
STID 459;  
Former Chevron Service Station #9-0019, 210 Grand Ave., Oakland, CA 94610;  
STID 1110  
Former Chevron Service Station #9-0020, 1633 Harrison St., Oakland, CA 94612;  
STID 3812

Dear Mr. Briggs:

#### LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

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

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

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

Mr. Briggs  
Page 2 of 2  
May 25, 1999

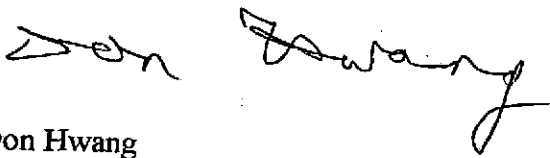
In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

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

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

Please call me at (510) 567-6746 should you have any questions about the content of this letter.

Sincerely,



Don Hwang  
Hazardous Materials Specialist

Enclosures

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

RO#137

February 3, 1999

ENVIRONMENTAL HEALTH SERVICES

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

Philip Briggs, Project Manager  
Chevron USA Inc.  
Site Assessment & Remediation  
Bldg. L, Rm. 1110  
P.O. Box 6004  
San Ramon, CA 94583-0904

Re: Former Chevron Service Station #9-0019, 210 Grand Ave.,  
Oakland, CA 94610;  
STID 1110

Dear Mr. Briggs:

This office has reviewed the "3rd Quarter Groundwater Monitoring Report" dated September 21, 1998 by Blaine Tech Services, Inc., for the above noted facility and your cover letter dated September 29, 1998.

You may continue to monitor as proposed.

If you have any questions, call me at (510) 567-6746.

Sincerely,

Don Hwang  
Hazardous Materials Specialist

C: Leroy Griffin, City of Oakland Fire Services Agency, 505-  
14<sup>th</sup> St., 7<sup>th</sup> Floor, Oakland, CA 94612

file



ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

R0137

12 June, 1998

STID 1110

Philip Briggs  
Chevron USA Inc.  
P.O. Box 5504  
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: Former Chevron Station, 210 Grand Ave., Oakland, CA 94610

Dear Philip Briggs:

This office has received and reviewed a Quarterly Groundwater Monitoring Report, dated April 13, 1998, by Gettler-Ryan Inc., with your cover letter dated April 17, 1998, for the above site. The following are comments concerning this report.

Your approved request to monitor MW-4 and MW-5 semi-annually must have crossed with your next quarterly monitoring report. It seems that all the contamination remaining is around MW-5. The concentration of benzene and MTBE actually went up in the last quarter.

Please call this office with any questions at (510) 567-6782.

Sincerely,

Thomas F. Peacock, Manager  
Environmental Protection Division

c: Deanna Harding, Gettler-Ryan, Inc., 6747 Sierra Ct., Suite  
J, Dublin, CA 94568  
Dick Pantages, Chief - files  
LeRoy Griffin, City of Oakland Hazardous Materials

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



RO#137

April 22, 1998

STID 1110

Phil Briggs  
Chevron U S A Inc.  
P. O. Box 5004  
San Ramon, CA 94583-0904

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

re: Former Chevron Station, 210 Grand Ave., Oakland, CA 94610

Dear Mr. Briggs:

This office has received and reviewed a letter concerning change of monitoring dated January 20, 1998 and a 4th Quarter Groundwater Monitoring Report dated January 19, 1998 by Blaine tech Services (with a cover letter dated January 23, 1998). The following comments concern the letter and report:

Your request to only monitor MW-4 and MW-5 semi-annually is acceptable. It may just take awhile for the ORC to have sufficient effect to be noticed in the well.

You may contact me at (510) 567-6782 if you have any questions regarding this letter.

Sincerely,

Thomas Peacock, Manager  
Environmental Protection Division

c: Francis Thie, Blaine Tech Services, 1680 Rogers Ave., San Jose, CA 95112  
Dick Pantages, Chief - Files  
LeRoy Griffin, City Of ~~Oakland~~ Hazardous Materials

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



RO# 137

January 13, 1998  
STID 1110

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

Phil Briggs  
Chevron U S A Inc.  
P. O. Box 5004  
San Ramon, CA 94583-0904

re: Former Chevron Station, 210 Grand Ave., Oakland, CA 94610

Dear Mr. Briggs:

This office has received and reviewed a Second Quarter Groundwater Monitoring Report dated August 7, 1997 by Blaine tech Services. The following comments concern this report:

1. There is only 1 well left with contamination which, although high, is limited in areal extent. The ORC should bring levels down, although that won't be discovered until later monitoring.
2. It seems that all the contamination is around MW-5. There could be a proposal to suspend sampling of some of the other wells that historically do not discover any useful information. MW-4 and MW-6 are both downgradient and are now showing no contamination.

This case will be transferred to me at this time. You may contact me at (510) 567-6782 if you have any questions regarding this letter.

Sincerely,

Thomas Peacock, Manager  
Environmental Protection Division

c: Francis Thie, Blaine Tech Services, 1680 Rogers Ave., San Jose, CA 95112  
Dick Pantages, Chief - Files  
LeRoy Griffin, City Of Oakland Hazardous Materials

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



20137

January 23, 1997  
STID 1110  
page 1 of 2

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

Attn: Phil Briggs  
Chevron U S A Inc.  
P. O. Box 5004  
San Ramon, CA 94583-0804

Re: Former Chevron Service Station #9-0019, 210 Grand Avenue, Oakland, CA

Dear Mr. Briggs,

Since our last letter to Chevron (Attn: Mark Miller), dated 11/21/95, the following documents have been received in this office:

- 1) "3rd Quarter 1995 Monitoring at 9-0019," prepared by Blaine Tech Services (BTS), dated 11/3/95, under Chevron cover letter dated 12/5/95;
- 2) "Report of Groundwater Extraction System Removal, Shallow Soil Sampling, and Abandonment of Groundwater Monitoring Wells," prepared by Geraghty & Miller, Inc., dated 12/20/95, under Chevron cover letter dated 1/16/96;
- 3) "4th Quarter 1995 Monitoring at 9-0019," prepared by Blaine Tech Services (BTS), dated 1/18/96, under Chevron cover letter dated 1/29/96;
- 4) fax from yourself dated 11/19/96, including map showing the excavation, and lab report with soil confirmation sample results;
- 5) "1st Quarter 1996 Monitoring at 9-0019," prepared by Blaine Tech Services (BTS), dated 5/7/96, under Chevron cover letter dated 10/22/96; and
- 6) "2nd Quarter 1996 Monitoring at 9-0019," prepared by Blaine Tech Services (BTS), dated 7/17/96, under (same) Chevron cover letter dated 10/22/96.

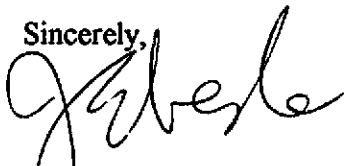
The soil confirmation sample results mentioned in item #4 were collected in response to apparent contaminated soil discovered while trenching in the west portion of the site in November 1996.

January 23, 1997  
STID 1110  
page 2 of 2  
Attn: Phil Briggs

It has been noted that MW4 and MW5 have not been sampled or monitored since 9/27/95. MW5 has been the "hottest" well at this site. Your 10/22/96 letter stated that "all the wells" were sampled in the 3rd quarter 1996. This report has not been received yet. Please submit your quarterly reports within 45 days from the sampling date. This site will continue to be sampled and monitored on a quarterly basis until further notice. It has been noted that sampling of MW8 and MW9 was discontinued as of 6/27/95. These wells have been ND for TPHg and BTEX, as well as 6 to 7 quarters of HVOC analysis and one quarter of TOG analysis.

If you have any questions, please contact me directly at 510-567-6761.

Sincerely,



Jennifer Eberle  
Hazardous Materials Specialist

cc: Kevin Graves, RWQCB  
J. Eberle/file

je.1110-B

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R0137

RAFAT A. SHAHID, DIRECTOR

November 21, 1995  
STID 1110

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

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

Re: Former Chevron Service Station #9-0019, 210 Grand Avenue, Oakland, CA

Dear Mr. Miller:

This letter is in response to your November 2, 1995 letter addressing future construction at the above referenced site. You requested our concurrence with the abandonment of groundwater monitoring wells MW-1 and MW-3, and the removal of all remaining system components of a ground water extraction (GWE) system. Alameda County Health Care Services Agency (ACHCSA) further concurs that continuation of the GWE system would provide no measurable benefit to ground water quality in the area.

**Please proceed with the abandonment of the two (2) monitoring wells and the removal of the remaining components of the GWE system.**

In your November 2, 1995 letter, you state that concentrations of petroleum hydrocarbons have fluctuated in groundwater monitoring well MW-5. You further state that these petroleum hydrocarbon concentrations are likely associated with the fact that this is a source area well.

As referenced in the Western Geologic Resources, Inc. "Subsurface Investigation"-dated June 1989, this investigation involved the advancement of five (5) borings (B-1 through B-5) and subsequent conversion to monitoring wells MW-1 through MW-5. The soil sample collected from boring B-5 detected 3.4, 2.0, 0.43 and 0.12 ppm-benzene at depths of 5.5', 10.0', 13.0' and 15.0' bgs, respectively. Soil sample B-5 detected 390, 30.0, 52.0, and 28.0 ppm-TPPHg at depths of 5.5', 10.0', 13.0' and 15.0' bgs, respectively. In addition, 240 ppm-TPPHg was detected in the soil sample collected from boring B-4 at a depth of 8.5' bgs, as well as 31, 37, 14 and 57 ppb-BTEX, respectively, from boring B-4 at a depth of 16.5' bgs. Groundwater samples collected from monitoring wells MW-4 and MW-5 have detected the highest levels of petroleum hydrocarbons. Initial concentrations of 810 and 6600 ppb-benzene were detected for wells MW-4 and MW-5, for groundwater samples collected during the March 14, 1989 sampling event.

Mr. Mark Miller  
November 21, 1995  
RE: Former Chevron Service Station #9-0019  
Page 2 of 2

The petroleum hydrocarbon impacted soil concentrations do suggest that MW-5 as well as MW-4 may be source area wells. In addition, groundwater monitoring wells MW-4 and MW-5 are basically downgradient of the former underground storage tanks (USTs) and the former pump islands.

Therefore, additional excavation and/or borings may be warranted in the areas of groundwater monitoring wells MW-4 and MW-5, as we previously discussed in our 8/25/95 telephone conversation. Additional excavation, if physically possible, may aid in removal of this source material. Confirmatory samples collected from the excavation and/or further borings will help to quantify the amount of petroleum hydrocarbon impacted soils remaining in place. This additional information would be useful in preparing the final version of the Comprehensive Site Evaluation for the proposed non-attainment area.

Sincerely,



Jennifer Eberle  
Hazardous Materials Specialist

c: Thomas F. Peacock, Supervising Hazardous Materials Specialist--files  
KGO Kevin Graves, RWQCB

je.1110-a

**ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY**



R0137

DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, DIRECTOR

June 2, 1995  
STID 1110

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

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

RE: former Chevron service station #9-0019, 210 Grand Ave, Oakland CA 94610

Dear Mr. Miller,

Since my last letter to you dated 1/13/94, the following documents have been received in this office:

- 1) 1/28/94 Groundwater Monitoring and Sampling Activities report, prepared by Groundwater Technology Inc. (GTI)
- 2) 4/15/94 Groundwater Monitoring and Sampling Activities report, prepared by Groundwater Technology Inc. (GTI)
- 3) 8/4/94 Groundwater Monitoring and Sampling Activities report, prepared by Groundwater Technology Inc. (GTI)
- 4) 9/26/94 Groundwater Monitoring and Sampling Activities report, prepared by Groundwater Technology Inc. (GTI)
- 5) 12/20/94 Draft Comprehensive Site Evaluation and Proposed Future Action Plan, prepared by Weiss Associates (but unsigned)
- 6) 1/6/95 Fourth Quarter 1994 Groundwater Monitoring report, prepared by Blaine Tech Services
- 7) 4/5/95 First Quarter 1995 Groundwater Monitoring report, prepared by Blaine Tech Services

As you recall, a meeting was conducted in our offices on 1/26/95. Attendees included Kevin Graves of the RWQCB, yourself, and myself. We discussed the possibility that utilities in Montecito Ave. and Grand Ave. may be intercepting the groundwater contaminants, and providing a direct pathway to Glen Echo Creek and Lake Merritt. Note that depth to water has ranged from 1.70 feet (on 3/21/95) to 4.55 feet (on 9/8/94) in MW4 during the last four quarters.



June 2, 1995  
STID 1110  
Mark Miller  
page 2 of 2

During the 1/26/95 meeting, you agreed to research the sewer and storm drain lines in this area, and to report your findings. I have not received any such findings to date. **Therefore, you are requested to submit a report of findings within 30 days, or by July 3, 1995, as follows: the report should a) detail the location of utilities in the area of Montecito and Grand Avenues, covering the area from the site to Glen Echo Creek and also to Lake Merritt, and b) include conclusions and recommendations.**

Note that concentrations of hydrocarbons have increased in MW4 during the most recent sampling event (3/21/95) to 720 ppb TPHg and 2.2 ppb benzene. [The GWE also increased in this well by approximately one foot.]

During our 1/26/95 meeting, we also agreed to discontinue sampling in MW1, MW3, MW8, and MW9. This is due to the history of ND or trace concentrations in these wells. We agreed to continue quarterly sampling in MW4, MW5, MW6, and MW7. We also agreed to stop analyzing HVOCs in MW3 (now a moot point) and MW5. These changes in sampling protocol have apparently not yet been implemented, as per the most recent quarterly report (4/5/95 First Quarter 1995 Groundwater Monitoring report, prepared by Blaine Tech Services). **Please continue monitoring and reporting GWE in MW1, MW3, MW8, and MW9.**

During our telephone conversation on 2/27/95, you agreed to submit a letter discussing what we agreed to during our 1/26/95 meeting. I hope this letter clarifies the outcome of that meeting.

If you have any questions, please contact me at 510-567-6700, ext 6761; our fax number is 510-337-9335. **You are encouraged to submit reports on double-sided paper in order to save trees.**

Sincerely,



Jennifer Eberle  
Hazardous Materials Specialist

cc: Kevin Graves, RWQCB  
Mee Ling Tung/file

je.1110

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R0137

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

January 13, 1994  
STID 1110

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

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

RE: Former Chevron Service Station  
210 Grand Ave.  
Oakland CA 94610

Dear Mr. Miller,

We are in receipt of the 10/7/93 "Groundwater Monitoring and Sampling Activities" report prepared by Groundwater Technology, Inc. (GTI), and the 9/24/93 "Quarterly System Compliance Report," prepared by Geraghty and Miller, under your cover letter dated 12/21/93.

We are also in receipt of the 1/13/94 fax from GTI with results from monitoring wells sampled on 12/20/93. These results are fairly consistent with overall trends. Hydrocarbon concentrations have been declining over the past four years of sampling. Groundwater has been treated since 3/11/93 via an extraction system, which has experienced low flow rates. Your 12/21/93 letter proposes to temporarily discontinue operation of the groundwater extraction system for six months. We discussed this proposal further by telephone today. This proposal is approved, on the condition that if concentrations increase, we will discuss the possibility of starting up the system once again.

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

Sincerely,

Jennifer Eberle  
Hazardous Materials Specialist

cc: Kent O'Brien, Geraghty & Miller, 1050 Marina Way South,  
Richmond CA 94804  
Ed Howell/file

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ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program

R0137

RAFAT A. SHAHID, Assistant Agency Director

July 15, 1992

STID 1110

Chevron USA  
PO Box 5004  
San Ramon CA 94583-0804  
Attn: Nancy Vukelich

RE: Former Chevron Station #90019  
210 Grand Av.  
Oakland CA 94610

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

Dear Ms. Vukelich,

We have received and reviewed the "Groundwater Monitoring and Sampling Report," dated 6/26/92, prepared by Groundwater Technology, Inc. Concentrations of TPH-g and benzene have increased since last quarter in MW-5 to current levels of 72,000 ppb and 18,000 ppb, respectively. It is our understanding that you expect to have the groundwater remediation system installed within the next week, upon approval by the City of Oakland on system location.

Your cover letter dated 7/8/92 requested discontinuing analyzing the ground water samples collected from MW-1, MW-4, MW-6, MW-7, MW-8, and MW-9 for purgeable halocarbons (EPA Method 8010). We have reviewed past reports and have noted that these wells revealed non-detectable concentrations of purgeable halocarbons for the past four quarters. Therefore, we accept your proposal to discontinue analyzing these six wells for EPA Method 8010 constituents **at this time**. It is our understanding that you will continue to sample MW-3 and MW-5 for purgeable halocarbons on a quarterly basis. You will also continue to analyze all wells for TPH-g and BTEX on a quarterly basis.

If you have any questions, please contact Jennifer Eberle at 510-271-4320.

Sincerely,

Susan Hugo  
Senior Hazardous Materials Specialist

cc: Sandra Lindsey, Groundwater Technology, Inc., 4057 Port  
Chicago Highway, Concord CA 94520  
Rich Hiatt, RWQCB  
File

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July 8, 1992

STID 1110

Chevron USA  
PO Box 5004  
San Ramon CA 94583-0804  
Attn: Nancy Vukelich

RE: Former Chevron Station #90019  
210 Grand Av.  
Oakland CA 94610

Dear Ms. Vukelich,

This letter is in response to your recent inquiry by telephone on June 25, 1992, regarding our requirements for further soil investigation. We have reviewed the (voluminous) file and come to the following conclusions:

1. Even though hydrocarbon-contaminated soil appears to extend offsite, the vertical and lateral extent must be delineated. Subsequent to soil overexcavation in 1991, significant levels of petroleum hydrocarbons were encountered in soils. The former waste oil tank pit contained 380 ppm O&G (west sidewall) and 130 ppm TPH-gas (south sidewall at 7'). The former gas tank pit contained 190 ppm O&G (west wall-Montecito Av) and 210 ppm TPH-gas and 0.57 ppm benzene (east wall-Bay Pl). The August 1991 "Soil Excavation, Remediation & Disposal" report by Resna indicated that apparent HC contamination still exists at the limits of excavation along the Grand Av. and Montecito Pl sidewalks.
2. Lead concentrations in soils from soil borings B3 and B6 indicated up to 15 ppm total lead. This level is well below ten times the STLC level of 5 ppm. Therefore, no further action is necessary at this time regarding lead. Virtually the same situation exists for chromium and zinc. Therefore, we require no further soil investigation in regards to metals at this time.
3. Soluble metals were encountered in groundwater during sampling in November 1991. Up to 270 ppb chromium, 700 ppm nickel, 300 ppb lead, and 1,200 ppb zinc were discovered in groundwater. Since one sampling event is not an adequate representation, we require continued sampling for Cr, Ni, Pb, and Zn in all monitoring wells on a quarterly basis.

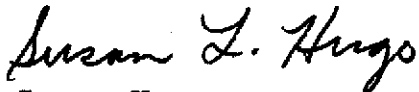
DEPARTMENT OF ENVIRONMENTAL HEALTH  
Hazardous Materials Division  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
(510) 271-4320

Nancy Vukelich  
STID 1110  
Page 2 of 2  
July 8, 1992

4. During a telephone conversation between J. Eberle of this office and yourself on 7/8/92, you indicated that there may be construction activities on-site in the future. Due to the ongoing investigation and remediation, please inform the caseworker for this site, J. Eberle, of any and all future construction activities.

If you have any questions, please contact Jennifer Eberle at 510-271-4320.

Sincerely,



Susan Hugo  
Senior Hazardous Materials Specialist

cc: Gary Keyes, Geraghty & Miller, Inc., 1050 Marina Way South,  
Richmond CA 94804  
Rich Hiett, RWQCB  
File

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ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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RAFAT A. SHAHID, Assistant Agency Director

April 20, 1992

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

STID #1110

Chevron USA Inc.  
2410 Camino Ramon  
PO Box 5004  
San Ramon CA 94583-0804  
Attn: Nancy Vukevich

RE: Former Chevron Station #0019  
210 Grand Av.  
Oakland CA 94610

Dear Ms. Vukevich,

The case file for the above referenced site has recently been reviewed by our staff. The case has been reassigned to Jennifer Eberle, Hazardous Materials Specialist. Please mail future correspondence to her attention.

We are in receipt of the 12/23/91 Sierra Environmental Services' quarterly ground water sampling report submitted under Chevron cover letter dated 1/10/92. Following review of the report, we accept your proposal to discontinue analyzing for metals in groundwater.

Several issues remain at this site:

- 1) Approximately 800 cubic yards of previously excavated soil was used as backfill at the site. This soil had been contaminated with 6 ppb benzene, which renders the soil unsuitable for backfill. Was this soil re-excavated and aerated? Were confirmatory samples taken of the overexcavated pit? Were samples taken of the stockpile after aeration? If so, what was the sample rate?
- 2) A site inspection was made by our staff on 1/10/92. Visqueen plastic was visible throughout the site. What plans do you have for removing the visqueen?
- 3) This is our third request for a workplan which addresses remediation of groundwater. This request was previously made by letters dated 8/15/91 and 1/10/92. Groundwater (last sampled 11/22/91) was contaminated with as much as 21,000 ppb TPH-g and 8,000 ppb benzene. These significant levels have been found in MW-5 for approximately 3 years; therefore, a remediation system is needed at this time.

Nancy Vukevich  
STID #1110  
Page 2 of 2  
April 20, 1992

Therefore, we request that you submit a workplan for groundwater remediation as well as a written response to issues 1) and 2) within 45 days from the date of this letter, or by June 4, 1992. All proposal, reports, and analytical results pertaining to this investigation and remediation must be sent to our office and to:

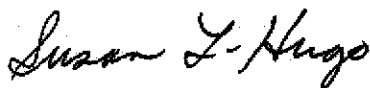
Rich Hiatt  
RWQCB, San Francisco Bay Region  
2101 Webster St., Suite 500  
Oakland CA 94612

All work must be performed according to the Leaking Underground Fuel Tank Field Manual, (LUFT Manual), revised 10/89, and the Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Storage Tank Sites, revised 8/10/90, as summarized in Appendix A.

Copies of these documents can be obtained by calling the SFRWQCB data management group at 510-464-1269.

If you have any questions, please phone Jennifer Eberle at 510-271-4320.

Sincerely,



Susan Hugo  
Senior Hazardous Materials Specialist

cc: Mark Thomson, District Attorney  
Rich Hiatt, RWQCB  
Chris Bramer, (Sierra Environmental Services, PO Box 2546,  
Martinez CA 94553)  
File

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ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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RAFAT A. SAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH  
80 Swan Way, Rm. 210  
Oakland, CA 94621  
(415) 271-4300

January 10, 1992  
STID# 1110

Chevron U.S.A., Inc.  
ATTN: Nancy Vukevich  
2410 Camino Ramon,  
San Ramon, CA 94583-0804

Subject: Former Chevron Station #0019, 210 Grand Avenue,  
Oakland, CA 94610

Dear Ms. Vukevich:

This department is in receipt and has completed review of the August 1991 Resna Environmental Solutions (RES) soil sampling report submitted under Chevron cover letter dated September 11, 1991, and the September 20, 1991 Sierra Environmental Solutions (SES) Third Quarter Monitor Report, submitted under Chevron cover dated October 2, 1991. Following review of the information supplied in these reports, several points require clarification, as indicated below:

In the referenced August 1991 (RES) report submitted to our office by Resna Environmental Solutions, there was mention of the 800 cubic yards of previously excavated soil used as backfill at the site. The soil was characterized as having concentrations of six (6) parts per billion benzene. This is inconsistent with the State Regional Water Quality Control Board's policy on "disposal of soil during underground storage tank investigations and cleanups" (January 12, 1990). There were no "Waste Discharge Requirements", issued by either the Regional Board or this office. Please clarify this situation.

In reviewing the Quarterly Monitoring Report dated September 20, 1991, substantial contamination was detected in one of the monitoring wells (monitoring well #5), other monitoring wells also indicated contamination. In order to facilitate the remediation of the site the following steps should be undertaken:

- 1) Provide a workplan for the remediation of the site. This should include a site specific plan that would address the dissolved constituents in the groundwater, including development of remedial action objectives, general response actions, and development and screening of alternatives. The remediation system must be designed based upon the underlying hydrology and geology found at the site, as determined by appropriate aquifer testing protocol.



- 2) The vertical and horizontal extent of soil contamination has not yet been demonstrated. Include a means for delineation in the workplan to be submitted.

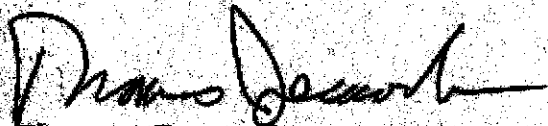
On August 15, 1991, Mr. Paul Smith from our office requested the submission of a work plan and other information for the purpose of investigation and remediation of the above site. As of this date, no workplan has been received by our office. Please prepare a work plan as indicated, the required work plan should be submitted by February 10, 1992.

All reports and proposals should be submitted under seal of a California Registered Geologist or Registered Civil Engineer.

Please be advised that this is a formal request the technical reports pursuant to California Water Code Section 13267 (b). Failure to respond could result in civil penalties, a maximum of \$1,000 per day. Any extensions of stated deadlines or changes in the workplan must be confirmed in writing and approved by this office or the Regional Water Quality Control Board.

If there are any questions, please call this office. The number is (510) 271-4320.

Sincerely,



Thomas Peacock  
Supervision Hazardous Materials Specialist

cc: Gill Jensen, Alameda County Assistant District Attorney  
Eddie So, SFBRWQCB  
Resna Environmental, 8 Digital Drive, Suite 200, Novato CA 94949

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0137

August 15, 1991

Ms. Nancy Vukelich  
Chevron U.S.A. Inc.  
P.O. Box 5004  
San Ramon, CA 94610

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

Re: Former Station # 9-0019  
210 W. Grand Ave.  
Oakland, CA 94610

Dear Ms. Vukelich:

This Agency is in receipt of the Off-site Subsurface Investigation dated August 1990 and the Quarterly Groundwater Monitoring Report dated October 1990 for the above site, both prepared by Western Geologic Resources Inc.

The reports describe the installation of 4 exploratory borings down gradient of the former Chevron facility which were converted into groundwater monitoring wells. Groundwater analytical results from these wells indicated downgradient concentrations as high as 30,000 ppb of Total Petroleum Hydrocarbons as gasoline (TPHg), 5,600 ppb benzene, 890 ppb toluene, 210 ppb ethylbenzene, 1400 ppb total xylenes, and 1.2 ppb of 1,2-dichloropropane. Another halocarbon, 1,2-dichloroethane (DCA) was detected in a sample from MW-4 at 0.79 ppb.

Since the above information was reported this Agency has not received any additional information describing activities at this site such as: Quarterly Monitoring Reports, information describing additional investigative measures taken to delineate the contamination on or off-site, or information describing proposed soil or groundwater treatment activities proposed for the above location.

You are requested to provide this department with the following information:

An update of the activities taken in 1991 at the above site including Quarterly monitoring data and the investigative measures taken to delineate the extent of contamination in soil and groundwater.

A time line for the characterization of the contaminants at the site, for the submission of a work plan for a treatment system which would adequately address the mitigative measures proposed and which will adequately address the above contaminants.

You are required to initiate quarterly monitoring in each of the monitoring wells. No reports are available in this office for 1991. You are required to sample for TPHg, TPHd, Total Oil and Grease (TOG), benzene, toluene, xylene, ethylbenzene, chlorinated hydrocarbons and the 5 ICAP metals (Cd, Cr, Pb, Ni, Zn), in each of the wells.

Ms. Vukelich  
August 15, 1991  
Page 2 of 2

You are requested to submit a work plan to this office within 45 days of the receipt of this letter describing the measures taken and proposed to delineate the extent of the contamination at the above site and to effectively remediate for the contaminants present.

If you have any questions with regard to the content of this letter please contact me at (415) 271-4320.

Sincerely,



Paul M. Smith  
Hazardous Materials Specialist

cc:

James Jacobs, Western Geologic Resources  
Gil Jensen, Alameda County District Attorney's Office of  
Consumer and Environmental Protection  
Eddie So, SFRWQCB