

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R0#1085

November 3, 1998
StID # 838

Chevron Products c/o
Mr. Phil Briggs
P.O. Box 6004
San Ramon, CA 94583

Mr. David Gross
78-704 Putting Green Dr.
Palm Desert CA 92211-1513

Ms. Majorie Salin c/o
Ms. Pamela Perry Esq.
1363 Lincoln Ave., Suite 4
San Rafael, CA 94901

Linda and Lora Morn c/o
Mr. John Morn
69 La Espiral
Orinda, CA 94563

Re: Closure of Monitoring Wells at 2681 Fruitvale Ave., CA 94601

Dear Messrs. Briggs, Gross, Morn and Ms. Perry:

This letter is to inform you that in regards to the subsurface investigation of the petroleum release from the former underground storage tanks, our office has received Regional Water Quality Control Board concurrence for site closure of the above referenced site. Prior to issuing a closure letter, our office requires the proper closure of the remaining fifteen (15) monitoring wells at the above site (this excludes MW13 and two wells installed in 1982 but never found).

Please contact Alameda County Public Works for the specific requirements for well closure. Their contact is Mr. Andreas Godfrey, who can be reached at (510) 670-5575.

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

W1c12681Fruitvale

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

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



Ro# 1085

August 19, 1998
StID # 838

Mr. Phil Briggs
Chevron Products
P.O. Box 6004
San Ramon, CA 94583

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

**Re: Request for Technical Information for former Chevron No. 9-4340,
2681 Fruitvale Ave., Oakland CA 94601**

Dear Mr. Briggs:

Our office is concluding our review of the above referenced site, preparing our site closure report for the Water Board's final review. During our office's review of the site history it appears that we are missing one significant report, the IT Envirosience report for the January 1982 installation of five monitoring wells. In February 1989 when Ensco Environmental Services came out to abandon these wells only three of the wells were found and properly abandoned. Therefore, two wells still exist at this site. In addition, one of the five wells reportedly exhibited free product at one time.

Although environmental conditions are not affected by this situation, the information regarding the location of the monitoring wells is important to include in the transmittal letter for the site. This information is put into the City of Oakland's permit tracking system and would warn future land users about the potential of encountering monitoring wells.

Please provide a copy of the referenced monitoring well installation report and any other reports regarding their monitoring or destruction. Your immediate attention to this matter will expedite site closure.

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mwrp2681

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0#1085

July 17, 1998
StID # 838

Nu To Lu & Maggie Lu
c/o Van Hanh Nguyen
Mekong Realty
1402 Lakeshore Avenue
Oakland, CA 94606

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, 2681 Fruitvale Avenue, Oakland, CA 94601

Dear Mr. & Mrs. Lu:

The subject property you are considering for purchase was once the site of a Chevron Service Station. Several years ago, when the Chevron Station ceased operations, the process of removing underground storage tanks and testing for contamination began. The underground tanks have been removed from the premises. Soil and groundwater testing revealed that contamination from petroleum products was present at property. Contaminated soil has been removed and a groundwater monitoring program was instituted. Chevron, as the party named responsible for contamination at the site, has actively participated with the Alameda County Department of Environmental Health (ACDEH) and the Regional Water Quality Control Board in terms of clean-up and monitoring at this site. After many years, the property will be recommended for closure by ACDEH. ACDEH anticipates that the RWQCB will approve the closure recommendation. Our office believes that the existing contamination present in soils and groundwater at the property will not present a risk to human health or the environment.

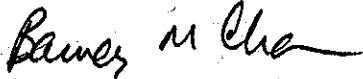
Typically the formal closure process is completed within 3 months. Following closure concurrence by the RWQCB, Chevron will apply to county Public Works for permission to destroy the monitoring wells that are currently present on the parcel. All of the activities associated with closure of the property will be undertaken by Chevron Corporation.

Activities related to closure of this property by ACDEH and RWQCB do not appear to interfere with the purchase of the parcel. ACDEH does not believe that the past usage of this property should be an impediment to the purchase or the future use of the property with the provision of an acceptable Risk Management Plan.

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

Mr. and Mrs. Lu
2681 Fruitvale Ave.
StID # 838
July 17, 1998
Page 2.

Sincerely,

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

Barney M. Chan
Hazardous Materials Specialist

cc: B. Chan, files
Ms. P. J. Perry, Esq., 1362 Lincoln Ave., Suite 4, San Rafael, CA 94901
Clt2681

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0# 1085

January 2, 1998

Mr. Phil Briggs
Chevron Products Co.
6001 Bollinger Canyon Rd., Bld. L Room 1110
P.O. Box 5004
San Ramon, CA 94583-0804

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

Re: Update on Chevron sites

Dear Mr. Briggs:

I recently wrote you about several Chevron or former Chevron sites which we previously discussed in our 8/21/97 meeting. This letter serves to update you on progress and needs of those sites where a specific letter has not been written.

StID # 607 , Former Signal Bulk Plant (R0# 636)
2001 Versailles Ave.
Alameda CA 94501

Our office has received and is currently reviewing the Risk Management Plan (RMP) for this site. Ms. Madhulla Logan, staff toxicologist, is discussing questions she has regarding the RMP with your consultant. As you may recall, groundwater monitoring should be put on hold. It is anticipated that after the approval and implementation of the approved RMP, the site will be recommended to the Water Board for closure. It appears that we are still missing the items mentioned in my September 15, 1997 letter, ie the monitoring well installation reports for all wells with the exception of the five wells installed on December 1984 and the one installed on May 1994. Please clarify the exact number and locations of all monitoring wells at this site.

StID # 838, Former Chevron Service Station, # 9-4340 (R0# 1085)
2681 Fruitvale Ave.
Oakland CA 94601

Our office has received a copy of RBCA/Closure Request from Cambria. This document is currently being reviewed by Ms. Logan. Upon completion of her review, it will be determined if a Risk Management Plan will be necessary. We have been notified that the title for monitoring well MW-13 has been transferred to the City of Oakland and remains part of their monitoring schedule. When the site has been approved for closure by our office and the RWQCB, it would be advisable to resample those wells where ORC has been added to obtain the actual concentration of hydrocarbons left in-place. This information will be included in the transmittal letter for future notification purposes.

Mr. P. Briggs
Update on Chevron sites
January 2, 1998
Page 2.

StID # 4249, Former Chevron Station #9-4612 (Ro# 233)
3616 San Leandro St.
Oakland CA 94601

Our office has written a separate letter to you regarding this site.

StID # 541, Chevron Service Station # 9-1851 (Ro# 464)
451 Hegenberger Rd.
Oakland CA 94621

Our office has written a separate letter to you regarding this site.

StID # 103, Chevron Service Station #9-0076 (Ro# 427)
4265 Foothill Blvd.
Oakland CA 94601

Our office has received the RBCA for this site. I have recently provided this report to Ms. Logan along with a copy of Chevron/Shell's basement and well survey for this area for her review. We have also received the raw data for the soil samples taken from the recent piping and overspill protection upgrade at this site. We received the report of the installation of ORC in monitoring wells C-2, C-4 and C-6. At this point please continue to monitor the wells according to the existing schedule, ie quarterly for all wells except wells C-5, C-8 and C-9 which are sampled annually. After County review of the RBCA either additional remediation or a modified monitoring schedule may be appropriate.

As it has become more common to measure for bioremediation parameters, please have your consultant determine the need to establish a trend in the analysis of these results. Most analytical measurements should be routinely run during each monitoring event until a trend is illustrated. Your consultant should provide interpretation of the results. The addition of ORC to each impacted well should not be assumed to be the correct approach.

Please provide the requested information and provide a written comment to this letter **within 30 days or by February 4, 1998.**

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

Mr. P. Briggs
Update on Chevron sites
January 2, 1998
Page 3.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

c: B. Chan, files

Mr. C. Mapes, 14 Grass Valley Ct., Oakland CA 94605
John & Molly King, King Petroleum, Inc., P.O. Box 137,
Woodacre, CA 94973

Ms. M. Guensler, Exxon Co. USA, P.O. Box 4032, Concord, CA
94524-2032

Ms. G. Alie, 3032 Davis St., Oakland CA 94601

Ms. Linda M. and Laura A. Morn, c/o John Morn, 69 La Espiral
Orinda, CA 94563

Ms. T. Arrowood, Cambria Env. Tech., Inc., 1144 65th St.,
Suite B, Oakland CA 94608

Mr. A. Perez, Shell Oil Co., P.O. Box 8080, Martinez, CA 94553

Ms. B. Russell, American Stores Properties, Inc., 348 E. South
Temple St., Salt Lake City, UT 84111

updtChev

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

RO# 1085 (4)

August 21, 1997

Mr. Phil Briggs
Chevron Products Co.
6001 Bollinger Canyon Rd., Bld. L Room 1110
P.O. Box 5004
San Ramon, CA 94583-0804

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

Re: Summary of Meeting with Alameda County on August 21, 1997

Dear Mr. Briggs:

This letter serves to summarize the items discussed today in our meeting at the County's offices regarding the status of a number of Chevron or former Chevron sites. Please review my comments and respond to the following agreements or requests:

(RO#636) StID # 607 , Former Signal Bulk Plant
2001 Versailles Ave.
Alameda CA 94501

This site has been adequately evaluated and monitored. Site closure will be initiated. Groundwater monitoring may be put on hold. You may wish to also put on hold the closure of all wells pending RWQCB closure concurrence. Be aware that well closure within the City of Oakland is now permitted through Alameda County Public Works. Their contact is Mr. Andreas Godfrey, (510) 670-5575. Because I will be initiating the closure process, I may still need to request any additional information missing from our file.

Because residual soil contamination has been left in-place, a risk management plan must be implemented in the property's deed. This plan must include a health and safety plan to protect workers in the event of future construction or excavation activities. It should meet OSHA requirements. Alameda County must be notified and we must review the health and safety plan prior to future subsurface activities. A copy of the risk management plan should be sent to our offices for our files.

(RO#1085) StID # 838, Former Chevron Service Station, # 9-4340
2681 Fruitvale Ave.
Oakland CA 94601

At this time, groundwater monitoring may be put on hold pending the submission of your Human Health Risk Assessment (HHRA). Please evaluate residual soil and groundwater contamination based upon all future potential exposure pathways.

Mr. P. Briggs
August 21, 1997
Chevron sites
Page 2.

Keep in mind that the closure of wells at this time assumes some risk prior to RWQCB concurrence for site closure. Monitoring well MW-13 should not be closed as it is the City of Oakland's responsibility to continue monitoring this well as part of their on-going investigation of 2662 Fruitvale Ave. The introduction of ORC into MW-5 and MW-10 is acceptable as a means of enhancing bioremediation. You may also want to investigate other means of bioremediation enhancement. This includes the analysis of parameters indicative of natural attenuation ie dissolved oxygen, oxidation-reduction potential, nitrate, sulfate and iron +2. Please provide your HHRA within 30 days or by September 23, 1997.

(RO#233) StID # 4249, Former Chevron Station #9-4612
3616 San Leandro St.
Oakland CA 94601

This site is not adequately characterized. There is not any analytical data from the area around the three former USTs within the warehouse building. Please explore the possibility of collecting soil and groundwater samples in the area of the former fuel tanks. Additional characterization should attempt to delineate groundwater contamination downgradient of VH-1 and MW-2.

MTBE has been detected at this site as high as 530 ppb in MW-2. This result is inconsistent with a release from tanks which were removed in February 1976. Please continue to monitor this site quarterly for same current suite of chemicals. Please submit a work plan for further site characterization within 30 days or by September 23, 1997.

(RO#464) StID # 541, Chevron Service Station # 9-1851
451 Hegenberger Rd.
Oakland CA 94621

This site has had a significant recent release as indicated by the MTBE levels. A work plan for the investigation of migration pathways and possible delineation of MTBE has been requested and should be provided to our office as soon as possible. Groundwater monitoring should continue at the site on a quarterly basis. Future groundwater monitoring analyses should meet the detection limits within the August 10, 1990, "Tri-Regional Board" Guidelines. Please insure your analytical laboratory meets these requirements. It appears that one possible source of the MTBE may be a dispenser leak. Please investigate this potential source.

Mr. P. Briggs
Chevron sites
August 21, 1997
Page 3.

(R0#427) StID # 103, Chevron Service Station #9-0076
4265 Foothill Blvd.
Oakland CA 94601

Chevron's request to reduce the monitoring of wells C-5, C-8 and C-9 to annually is approved. Please insure that this monitoring event occurs during the first quarter of each year. Our office was informed that a human health risk assessment will be prepared by CRCT by September 15, 1997. Please provide us a copy when received.

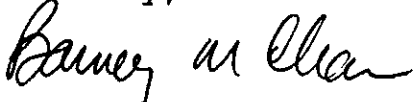
Your July 14, 1997 letter informed our office that product piping replacement and installation of overspill protection would occur at the site starting July 14. Please give a report of the observations and/or sampling results in your next monitoring report.

This site has the potential of a commingled plume along with the Shell Service station at 4411 Fruitvale Ave. Both Chevron and Shell were requested to perform a survey of the neighboring residents looking for domestic wells and basements. This was to be done by looking for permits and doing a physical site survey. Please provide a report of your findings.

Please consider the enhancement of bioremediation within significantly impacted wells; C2, C4 and C6 and please submit a copy of the monitoring well installation report for wells C-1 through C-4.

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

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

c: B. Chan, files
T. Peacock, LOP Manager
Chev-mtg

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R01085

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

August 22, 1994
StID # 838

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

Mr. Mark Miller
Chevron USA Products Company
2410 Camino Ramon
San Ramon, CA 94583

Re: Comment on August 5, 1994 Letter Recommending Non-Attainment Area (NAA) Policy for 2681 Fruitvale Ave., Oakland CA 94601

Dear Mr. Miller:

Our office has received and reviewed the above referenced letter recommending Non-Attainment Area policy for the above site. We have also recently spoke about this site and the use of this policy. This letter serves to approve of Chevron's proposed monitoring schedule. Based on previous monitoring results, only monitoring wells 1R, 5, 9, 10, 12, 14, 15 and 16 will be monitored on a semi-annual basis.

You are reminded, however, that even if the results of your future monitoring events prove consistent with previous results, you must continue the proposed monitoring schedule until you receive **written approval** for discontinuance from this office or that of the Regional Water Quality Control Board (RWQCB). We both acknowledge that the NAA policy is new and is not currently predictable regarding monitoring requirements.

You are also reminded that the source of gasoline contamination in monitoring well MW-13 is still in question. Although it appears at this time that the release from the former Chevron site is not the source, you are aware that the City of Oakland property across the street is performing their own investigation and at this time is not accepting responsibility for the contamination in this well either. Based on the results of City's investigation Chevron may be asked to perform additional investigation.

You may contact me at (510) 567-7600 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

Mr. Mark Miller
StID # 838
2681 Fruitvale Ave.
August 22, 1994
Page 2.

cc: Ms. Linda M. and Laura A. Morn, c/o John Morn, 69 La Espiral
Orinda, CA 94563
Mr. and Mrs. Seal, 3032 Davis St., Oakland CA 94601
Mr. A. Clark-Clough, City of Oakland, Office of Public Works
1333 Broadway, Suite 800, Oakland 94612
E. Howell, files

NAA2681

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R01085

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

January 26, 1994
StID # 838

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

Mr. Mark Miller
Chevron USA Products Company
2410 Camino Ramon
San Ramon, CA 94583-0804

**Re: Comment on January 4, 1994 Request for Use of Alternative
Points of Compliance for 2681 Fruitvale Ave., Oakland CA
94601**

Dear Mr. Miller:

Our office has received the above referenced letter attached to the October 1993 groundwater monitoring report for the above site. Recall, this report includes Chevron's request for Alternative Points of Compliance, (APC), the results of the installation and sampling of monitoring wells, MW-15 and MW-16, and a request for the modification of your sampling schedule.

Our office would like to first comment on your request for APC. A number of conditions exist which prohibit our office from formally accepting APC, although monitoring concessions have and can be made. As you may be aware, our office agrees with your request to discontinue the monitoring of MW-13 since it appears that contamination in this well is coming from the City's site at 2662 Fruitvale Ave. We also concur that soil contamination in the area around the former underground tanks at this site has been adequately removed and delineated. At this time, it appears that groundwater contamination is limited to the southern part of the Chevron site and is not migrating significantly off-site. Modification of groundwater sampling is also warranted given the low to non-detectable concentrations being found in the wells in the northern section of this site: MW-1R, MW-2R, MW-3, MW-6, MW-7, MW-8 and MW-9. Our office has already approved the modification of monitoring in a number of these wells in my November 24, 1992 letter.

The following items must be addressed prior to the County's acceptance of APC:

1. Upon the removal of the waste oil tank in 1988, oil and grease detected in the tank hole exhibited 1500 ppm TOG. It appears that the monitoring wells installed downgradient to this tank were never analyzed for TOG or the other waste oil parameters. In addition, all subsequent site maps have never shown the location of the former waste oil tank. Please monitor,

Mr. Mark Miller
StID #838
2681 Fruitvale Ave.
January 26, 1994
Page 2.

or provide evidence of monitoring in the wells downgradient to the former waste oil tank, ie MW-8 and MW-9. It is reasonable to analyze these wells for TOG only and if TOG is not detected, you may forego the analysis of the other waste oil parameters. Our office acknowledges the previous annual monitoring recommended for MW-8, but at least four consecutive quarters of monitoring for TOG is necessary for complete site characterization. In addition, please indicate the location of the former waste oil tank on all subsequent site maps.

2. Our office questions Chevron's proposal for containing and managing the remaining risks of residual groundwater contamination. Specifically, if the "trigger" wells outlying this site detect considerable petroleum contamination, no specific plans are proposed for managing this contamination other than to **"propose appropriate next actions"**. You must specify what contingency plans will be performed or evaluated if the trigger wells are significantly impacted.

In regards to your proposed monitoring plan changes, our office will require the continual monitoring of wells: MW-4, MW-5 and MW-10 since contamination has continually been found in these wells. Monitoring will also be required for wells: MW-11,12,14,15 and 16 since these are your "trigger" wells. All wells should continue to be monitored quarterly for one year. Our office will consider modifying the monitoring schedule after this time. Groundwater elevation readings should continue to be taken on **all** wells in order to verify groundwater gradient.

3. Please keep in mind that the detection of TPHg in MW-15 indicates that contamination has likely migrated from your site to this point. Although such concentration is low, two monitoring events do not constitute a trend and contamination is **not** confined to your site. Recall containment of the contaminant plume is required for APC.

4. As part of your institutional control, Chevron is required to submit an indemnification letter to this office and to the RWQCB stating that Chevron is responsible for the clean-up of this site and all sites which are shown to be affected by off-site migration from this site. This information should also be included in a deed notification for this site.

Mr. Mark Miller
StID # 838
2681 Fruitvale Ave.
January 26, 1994
Page 3.

Our office is aware of the potential sales and development of this property. You are cautioned that if a change in property use occurs you may be required to perform a human health risk assessment.

Please be aware that APC is, as the name suggests, an alternative compliance method. It should not be referred to as "conditional closure". Closure is a condition which will be decided after appropriate remediation and verification monitoring indicates no future threat to human or environmental health.

5. a. Please send our office copies of the analytical results for the 9/10/93 monitoring of MW-13. The result, 140 ppm, is a ten-fold increase from the previous concentrations.

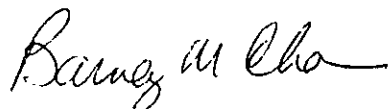
b. Please comment on the significant reduction in gasoline and BTEX exhibited in MW-10 from 6/93 to 9/93 where the concentration of gasoline went from 13 ppm to ND (< 50 ppb).

c. Our office agrees that the monitoring well located on Ms. Alie's property at 3032 Davis St. should be sampled and/or properly closed, since there are no records for its installation. Please make arrangements with Ms. Alie to accomplish this.

Please provide written comment to the above concerns to our office **within 30 days or by February 28, 1994.**

You may contact me at (510) 271-4530 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: Ms. Linda M. and Laura A. Morn, c/o John Morn, 69 La
Espiral, Orinda, CA 94563
Mr. and Mrs. Seal, 3032 Davis St., Oakland CA 94601
Mr. J. Cotton, City of Oakland, Office of Public Works,
1333 Broadway, Suite 800, Oakland 94612
E. Howell, files

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R01085

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

April 12, 1993
StID # 838

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

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

**Re: Comment on March 31, 1993 Work Plan for Additional Site
Assessment at former Chevron Service Station, 2681
Fruitvale Ave., Oakland CA 94601**

Dear Mr. Miller:

Our office has received and reviewed the above referenced work plan for the installation of two additional offsite monitoring wells. Their intent is to determine the extent and possible origin of the gasoline contaminant plume adjacent to the above site. The work plan is acceptable except for your plans to install 1" monitoring wells. Upon consultation with my peers within the office, we do not agree that 1" wells will give similar results as the more common 2" wells. In consultation with Mr. Eddy So of the RWQCB, he also stated that there also isn't acceptance of 1" wells within their office. Please provide the data from sites currently using the 1" wells which also have 2" wells nearby in order to verify their correlation. Our decision for the acceptance of the 1" wells will be dependent on these results and the similarity of those sites with the above site.

Another option is for Chevron to relocate these two monitoring wells in areas which are not confined due to overhead utilities. Our office is open to locations in the same general area but not having the confining conditions. Please keep our office informed of your intent. You may contact me at (510) 271-4530 should you have any questions.

Sincerely,

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

Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
R. Hiett, RWQCB
J. Morn, 69 Espiral, Orinda, CA 94163
Mr. & Mrs. Seale, 3032 Davis St., Oakland, CA 94601
E. Howell, files
2-wp2681

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



SITE: 2681 Fruitvale Ave
Oakland, CA

R01085

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

March 4, 1993
StID # 838

Ms. Rose Coughlin
Texaco Refining and Marketing
10 Universal City Plaza
Universal City, CA 91608

**Re: Request for Technical Reports and Monitoring Documents for
former Texaco Station, Corner of Fruitvale and Davis St.,
Oakland CA 94601**

Dear Ms. Coughlin:

Our office is overseeing the subsurface remedial investigation at the former Chevron Station at 2681 Fruitvale Ave., Oakland CA 94601. This investigation is determining the extent of petroleum hydrocarbon contamination in soil and groundwater subsequent to the removal of underground tanks at this site. In the course of Chevron's investigation off-site well, MW-13, was installed in 1991. This well has been detecting high levels of gasoline and benzene, toluene, ethylbenzene and xylenes (BTEX) since this time. In addition, Chevron's network of monitoring wells has been determining the groundwater gradient since 1989. At this time, MW-13 appears to be downgradient to the former Texaco station on the northeast corner of Fruitvale Ave. and Davis St. Chevron is in the process of installing addition wells on Davis St. and Fruitvale Ave. in hopes of defining the gradient better in the area of MW-13. Their contention is that the contamination being found in MW-13 is from the former Texaco station site.

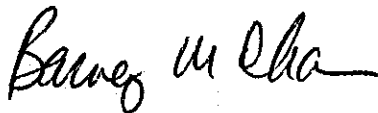
Chevron has informed our office that Texcao removed four underground tanks in 1978. In addition, Texaco attempted to locate additional tanks in 1987 unsuccessfully. Our office, at this time, requests copies of all records detailing the location, monitoring and removal of underground tanks at this abandoned Texaco site. Chevron has stated, "it appears that MW-13 is monitoring ground water contamination which has originated from the Texaco site. Remediation of ground water around monitor well MW-13 will not be the responsibility of Chevron".

Please provide the requested reports and documents to our office **within 45 days**. This request is consistent with California Water Code section 13267 (b). Failure to submit the requested documents may cause this case to be referred to the Regional Water Quality Control Board (RWQCB) for enforcement.

Ms. Rose Coughlin
Former Texaco Stn., Fruitvale & Davis St.
March 4, 1993
Page 2.

You may contact me at (510) 271-4530 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
M. Miller, Chevron USA Products Co., P.O. Box 5004, San
Ramon, CA 94583-0804
R. Hiett, RWQCB
J. Morn, 69 La Espiral, Orinda, CA 94163
Mr. and Mrs. B. Seale, 3032 Davis St., Oakland CA 94601
E. Howell, files

Tex-Fr&Davis

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R01085

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

March 3, 1993
StID # 838

Mr. Mark Miller
Chevron USA Products Company
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

**Re: Review of January 19, 1993 Groundwater Monitoring Report
for 2681 Fruitvale Ave., Oakland CA 94601**

Dear Mr. Miller:

Thank you for the submittal of the January 19, 1993 groundwater monitoring report from Groundwater Technology. Unfortunately, it does not accurately reflect the true groundwater condition of the site since the monitoring frequency is according to your April 6, 1992 letter. In your February 27, 1993 cover letter you stated that you would be adhering to the monitoring program mentioned in my November 24, 1992 letter. I feel this would best reflect the groundwater conditions at this site. In all future reports please include a map indicating the isoconcentration lines for TPHg and benzene in groundwater.

I have also received your February 10, 1993 letter regarding the installation of additional monitoring wells one downgradient to MW-12 and another on Fruitvale Ave. Please include a site map which shows the exact locations of these wells in your forthcoming work plan. The location of Sample #1 from Ensco's 1989 report should also be noted. In regards to the potential off-site contamination from the former Texaco site, I will be requesting copies of all documents regarding the monitoring and removal of underground tanks from Texaco.

You may contact me at (510) 271-4530 should you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
R. Hiett, RWQCB
J. Morn, 69 La Espiral, Orinda, CA 94163
Mr. and Mrs. B. Seale, 3032 Davis St., Oakland CA 94601
E. Howell, files
3-2681Fruit

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R01085

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

September 28, 1992
STID # 838

Mr. Mark Miller
Chevron USA Inc.
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

Re: Comment on August 25, 1992 Letter, 2681 Fruitvale Ave.,
Oakland CA 94601

Dear Mr. Miller:

Thank you for submitting the previous reports and a written response to my July 23, 1992 letter. Our office has some concern regarding the implementation of a groundwater remediation system. As you mentioned in your letter, an aquifer test was performed in August 20 and 21, 1990 by Chemical Processors, Inc. This report calculated a radius of capture of approximately 25 feet and stated the need for offsite wells to characterize the contaminant plume. In a December 13, 1991 letter from Nancy Vukelich of Chevron, Pacific Environmental Group was instructed by Chevron to evaluate the data compiled to date and advise corrective measures. The letter states, "The proposed corrective action will achieve the greatest water quality benefit while taking into consideration technical practicality and cost." Given the high concentrations of TPH as gasoline and dissolved BTEX in monitoring well MW-5 since 5/26/89, the high concentrations of the same contaminants in MW-10 since 5/91 and the high concentrations of these contaminants offsite in MW-13 since 11/91, it appears that a more aggressive approach to groundwater remediation is appropriate.

The appearance of contamination in the apparent downgradient location to a former Texaco site should not delay the installation of a groundwater remediation system. Significant delays would be expected given the offsite location of MW-13, the encroachment permits necessary for offsite excavation or borings or the identification, notification and commitment of another responsible party. It would seem prudent to contain the plume originating from this site minimally in the area of MW-5 and MW-10 area while investigating the former Texaco site concurrently.

Your August 25, 1992 letter again states that this time Geraghty and Miller will assess the current data and develop a site-specific cleanup and that a workplan for groundwater remediation will be prepared for our approval. Given the considerable delay in the installation of a remediation system already experienced, you must provide a timeframe for the submission of this workplan.

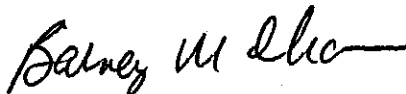
Mr. Mark Miller
STID # 838
2681 Fruitvale Ave.
September 28, 1992
Page 2.

The workplan should contain a timeframe for permitting, construction, purchasing of equipment, initiation of system, verification sampling and eventual site closure. Please provide such a workplan to our office within 45 days of this letter.

Again be advised that this is a formal request for technical reports pursuant to the California Water Code Section 13267 (b). Failure to submit the requested documents may subject Chevron USA Inc. to civil liabilities.

Please contact me at (510) 271-4350 should you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: M. Thomson, Alameda County District Attorney Office
R. Hiett, RWQCB
Linda and Lora Morn, c/o Johan Morn, 69 La Espiral, Orinda,
CA, 94163
Mr. and Mrs. B. Seale, 3032 Davis St., Oakland CA 94601
E. Howell, files

2-2681Fruit

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R01085
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program

RAFAT A. SHAHID, Assistant Agency Director

July 23, 1992
STID # 838

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

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

Re: Status of Remediation of Former Chervron Service Station
#9-4340, 2681 Fruitvale Ave., Oakland CA 94601

Dear Mr. Miller:

Please be advised that your new contact within our office is Barney Chan. Ms. Cynthia Chapman is no longer with this office. You are also aware that the oversight of this case has been transferred to the Local Oversight Program, LOP. All remediation requirements remain the same, as this transfer only affects the reimbursement of funds spent by our office overseeing this case. You have been formally notified of this through the "Notice for Reimbursement" letter sent to your company dated 3/04/92.

It appears that this site along with its environmental problems is in the midst of an Environmental Impact Report study or at least into the determination if one should be required. As a result of this, a number of other concerned parties have been added to cc list in order to keep them updated in the progress of the remediation at this site. Please inform me if Chevron has any problems with the notification of these other parties.

Before I address the groundwater remediation issue, I would like to make you aware of some complaints registered against this site. Private citizens and homeowner associations have contacted our office with concerns regarding the status of the remediation and also complaining about the overall security and appearance of the site. Please be aware that the Health and Safety plan for the remediation of this site requires site security. To this end, you should secure the fence surrounding this site to limit access by unauthorized individuals. It has been noted that the monitoring wells can easily be vandalized and tampered with under current conditions. You are also responsible for the proper labeling and disposal of drummed materials generated from this site. It has been noted on several occasions that many unlabeled drums exist on this site and have been for extended periods of time. The appearance of the site, though not under our agency's purview, should also be given consideration to maintain good community relations.

Mr. Mark Miller
Former Chevron Station
2681 Fruitvale Ave.
STID # 838
July 23, 1992
Page 2.

In regards to the remediation at this site, our office is not in receipt of any quarterly monitoring reports or reports in general after the September 11, 1991 report by RESNA. Please send copies of all reports subsequent to this date. The following comments are thus based on the information currently available. In your reply, you may note any items already addressed in reports not yet in the County's possession.

The soil contamination appears to be limited and overexcavation and resampling has apparently removed the contamination around the former tank pits. The main concern of our office is the implementation of an interim groundwater remediation system and the determination of the extent of groundwater contamination. The shallow groundwater study performed by Ensco in October 1989 identified petroleum hydrocarbons offsite as high as 69 ppm, (parts per million) total petroleum hydrocarbons as gasoline, TPHg in groundwater samples. This is not surprising given the consistent southwesterly groundwater gradient and the high TPHg values found in MW-9 and MW-10, two of the outlying wells on this site.

Offsite wells were proposed to determine the extent of groundwater contamination and to aid in the design of a treatment system. In a September 11, 1991 letter from Nancy Vukelich of your office, it was noted that the encroachment permits were obtained for the offsite wells and they were planned for installation this month (September). Our office has not received a map depicting the locations of the offsite wells as promised.

In the June 29, 1990 Workplan for Groundwater Remediation by Chemical Processors, Inc. specific tasks were outlined and time schedule given to implement a remediation system. These tasks included the installation of monitoring wells and performance of aquifer tests, the preparation of construction plans and permit applications, the installation of a treatment system and the beginning of operation of the system, to mention a few. Our office has not been appraised of the status of these tasks. Please provide a status of all tasks mentioned in the proposal plus a modified time schedule for its implementation. You are also requested to provide a piping and instrumentation diagram which depicts the location(s) of extraction wells and their assumed areas of influence. Please provide the requested items and a written response to all questions posed, to our office, within thirty (30) days of receipt of this letter.

Mr. Mark Miller
Former Chevron Station
2681 Fruitvale Ave.
STID # 838
July 23, 1992
Page 3.

Please be advised that you should consider this a formal request for technical reports pursuant to the California Water Code Section 13267 (b). All reports, workplans etc. should be sent to this office and to that of the RWQCB to the attention of Mr. Rich Hiett. Failure to submit the requested documents may subject Chevron USA Inc. to civil liabilities. In addition, any significant delays in the remediation of this site may be considered a violation of Section 25298 (c) 4 of the California Health and Safety Code (CH&SC). This section states that no person shall close an underground tank unless that person has taken steps to demonstrate to the appropriate agency that the site has been investigated to determine if there are any present, or were past, releases, and if so that appropriate corrective or remedial action have been taken. Section 25299 (5) allows for the civil penalty of not less than \$500 or more than \$5,000 for each underground tank for each day which the operator or owner fails to properly close an underground tank.

You may contact me at (510) 271-4320 should you have any questions regarding this letter.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: M. Thomson, Alameda County District Attorney Office
R. Hiett, RWQCB
Linda and Lora Morn, c/o Johan Morn, 69 La Espiral, Orinda,
CA 94163
Mr. and Mrs. B. Seale, 3032 Davis St., Oakland CA 94601
E. Howell III, files

2681Fruit

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R01085

October 31, 1990

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

Mr. Charles S. Bryant
One City Hall Plaza
Oakland, CA 94612

Dear Mr. Bryant:

In response to your letter of September 24, 1990, the Alameda County Division of Hazardous Materials has reviewed the information submitted by the City of Oakland for the former Chevron Station located at 2681 Fruitvale Avenue. This information consisted of four reports:

"Soil and Groundwater at Former Chevron Service Station No. 9-4340, 2681 Fruitvale Avenue, Oakland, California" dated April 1989, prepared by Ensco Environmental Services

"Supplemental Soil and Groundwater Investigation..." dated June 1989, prepared by Ensco Environmental Services

"Shallow Groundwater Investigation..." dated October 1989, prepared by Ensco Environmental Services

"Workplan for Groundwater Remediation" dated June 29, 1990, prepared by Chemical Processors, Inc.

This site is also listed with the Regional Water Quality Control Board (RWQCB) as a site that has experienced an unauthorized fuel release. This site will remain on the RWQCB list until Chevron can demonstrate to the satisfaction of the RWQCB and the County that groundwater has been cleaned up.

The reports included with your letter show that there is significant groundwater contamination, and that Chevron is addressing the problem. We will continue to provide oversight on this site to ensure that remediation occurs to the satisfaction of this office and the RWQCB.

If you have any questions, please call the undersigned at 415/271-4320.

Sincerely,

Cynthia Chapman
Hazardous Materials Specialist