

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



out
5-10-05

May 9, 2005

Mr. Mark Inglis
Chevron Environmental Management Co.
P.O. Box 6012
San Ramon, CA 94583

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

Dear Mr. Inglis:

Subject: Fuel Leak Case No. RO0000341, 3135 Gibbons Drive, Alameda CA

Alameda County Environmental Health has received and reviewed the March 10, 2005 Technical Letter and Surfactant Test Work Plan for the subject site prepared by Cambria, your consultant. The work plan proposes remediation of free product from well C-1, which has historically (since 1995) detected free product ranging from several feet to just measurable thickness. Your consultant and Chevron-Texaco staff (Mr. Eric Daniels) believe that this site is a good candidate for surfactant addition and vacuum-enhanced fluid recovery from the specified well. Approximately 1000 gallons of the non-ionic polymeric surfactant will be added as a 2-3% solution into the well. The area will then be allowed to equilibrate for 24 hours, then a mobile vacuum truck will remove the surfactant and any mobilized LNAPL from the well/source area. At least three times the volume of liquid added is expected to be removed. The well will be monitored weekly after this treatment to see if there is a rebound in free product. Our office approves this work plan.

Please notify our office prior to performing the proposed work and submit your report within 60 days of completing of your fieldwork.

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: files, D. Drogos

Mr. Robert Foss, Cambria Environmental, 5900 Hollis St., Suite A, Emeryville,
CA, 94608

5_9_05 3135 Gibbons



SENT
5-11-05

A handwritten signature in the top right corner of the page.

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

RO0000232

May 9, 2005

Mr. Chuck Miller
USA Petroleum Corporation
30101 Agoura Court # 200
Agoura Hills, CA 91301

Mr. Hugh K. Phares & Mr. John Jay
Jay-Phares Corporation
10700 MacArthur Blvd.
Oakland, CA 94605

Re: USA Petroleum, 10700 MacArthur Blvd., Oakland CA 94605

Dear Mr. Phares and Mr. Jay:

Alameda County Environmental Health has received and reviewed the "October 15, 2004, Dual Phase Extraction Test Report", by Mr. Gowri S. Kowtha Stratus Environmental Inc., along with other documents regarding the above referenced site.

As you are aware, this office have also had several meetings and or discussions with you and or your representatives as well, regarding the above referenced site. We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below.

TECHNICAL COMMENTS

- Per document in our files and the above report there were up to 580 ppb, 590 ppb, 150 ppb, 250 ppb, 990 ppb, and 17,000 ppb of MTBE, Benzene, Toluene, EthylBenzene, Xylenes, and TPHg respectively detected in groundwater during the last monitoring and sampling event. The highest concentration was observed in S-2 monitoring well.
- Groundwater fluctuation has been between 7 to 21 feet bgs historically.
- Flow gradient has been variable with flow gradient southwesterly above S-1 S-2 wells, northerly below S-1, S-2 wells, and southerly south of MW-3 well.
- This office concurs with the proposed workplan.

TECHNICAL REPORT REQUEST

Please submit the following technical reports to Alameda County Department of Environmental Health (Attention: Amir K. Gholami):

July 9, 2005 Result of the Work Plan

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.

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.

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.

Professional Certification

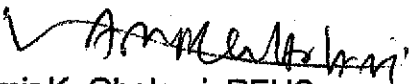
The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For 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.

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 do not hesitate to call me at 510-567-6876.

Sincerely,



Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Mr. Gowri S. Kowtha, Stratus Environmental Inc., 3330 Cameron Park Drive, Suite 550,
Cameron Park, CA 95682
D. Drogos, A. Gholami

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



9-12-02

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

RO0000341

September 11, 2002

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

Mr. Mark Hom
3135 Gibbons Drive
Alameda, CA 94501

RE: Work Plan Approval for 3135 Gibbons Drive, Alameda, CA

Dear Messrs. Bauhs and Hom:

I have completed review of Delta Environmental Consultants, Inc.'s August 2002 *Work Plan Addendum for Hand-Augered Soil Borings* prepared for the above referenced site. The proposal to collect soil vapor, groundwater, and soil parameter samples is acceptable with the following additions/changes:

- An additional soil boring should be advanced adjacent to the garage (northeast corner) for soil vapor and groundwater samples.
- Probe barrel/rod should be sealed at the surface to minimize the potential of surface breakthrough.
- To minimize the potential desorption of contaminants from the soil, Summa Canisters should be filled at a rate less than half a liter per minute.
- Record barometric pressure and weather conditions at the time of field activities.

The approved work plan should be implemented within 60 days of the date of this letter, or by November 12, 2002. Please provide 72 hours advance notice of field activities.

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

A handwritten signature in black ink, appearing to read "eva chu".

eva chu
Hazardous Materials Specialist

email: Todd Del Frate (Delta Environmental)

chevron9-1153-3

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



02-13-02

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

RO0000341

February 11, 2002

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

**RE: Soil Gas Risk Assesment at Former Chevron 9-1153 at 3135 Gibbons Drive,
Alameda, CA**

Dear Mr. Bauhs:

In 1996 a risk evaluation was prepared for the above referenced site. The potential exposure pathway evaluated was for groundwater volatilization to outdoor air for a residential scenario. Not included in the evaluation was soil and groundwater volatilization of vapors to indoor residential air. Previous investigations conducted identified soil vapor from borings advance in the vicinity of the perimeter of the existing building. Groundwater from C-1 still contains elevated gasoline constituents (when separate phase hydrocarbon is not present).

At this time an addendum to the 1996 risk evaluation is required where vapor to indoor air for a residential scenario is considered. Please include in the risk assessment how representative concentrations were determined, site specific parameters used, etc. The risk assessment is due within 60 days of the date of this letter, or by **April 22, 2002**.

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

A handwritten signature in black ink, appearing to read 'eva chu', with a long horizontal flourish extending to the right.

eva chu
Hazardous Materials Specialist

email: James Brownell

c: Mark Hom, 3135 Gibbons Drive, Alameda, CA 94501

chevron9-1153-2

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



07-10-01

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

RO0000341

July 9, 2001

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

RE: Work Plan Approval for 3126 Fernside Blvd, Alameda, CA

Dear Mr. Bauhs:

I have completed review of Delta Environmental Consultants, Inc's June 2001 *Letter Workplan for Interim Corrective Action* prepared for the above referenced site. The proposal to conduct interim corrective action at the site is acceptable. Both liquid and vapor phase hydrocarbons will be extracted from well C-1 using a vacuum truck. A minimum of five extraction events (at a maximum of four hours each event) are proposed for the year 2001.

Interim corrective action should be implement as soon as possible. Please provide 72 hours advance notice of each extraction event.

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

eva chu
Hazardous Materials Specialist

c: Mr. and Mrs. Thompson, 3126 Fernside Blvd, Alameda, CA 94501

email: Todd Del Frate
Jim Brownell

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



Sent 1/21/00
Including cc's

PO341

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

January 20, 2000

Mr. Brett Hunter
Chevron U.S.A.
PO Box 6004
San Ramon, CA 94583-0904
STID 3565

RE: 3126 Fernside Blvd., Alameda, CA

Dear Mr. Hunter:

I have reviewed the Fourth Quarter 1999 Groundwater Monitoring Report dated January 7, 2000 for the above site prepared by Blaine Tech Services. The concentration of TPH(g) and benzene increased dramatically in monitoring wells MW-6 and MW-7 from the previous monitoring event, even after the addition of ORC. TPH(g) increased from <5,000 to 9,270 ppb and benzene from 2,590 to 4,610 ppb in MW-6. TPH(g) increased from 8,390 to 14,300 ppb and benzene from 2,100 to 6,600 ppb in MW-7. The cover letter with this report did not contain Chevron's interpretation (summary) of the data. Please forward to this office within 14 days Chevron's interpretation of the 4th Quarter 1999 data.

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

Sincerely,


Larry Beto
Sr. Hazardous Materials Specialist

Enclosure (1) - Letter dated December 14, 1999

Cc: Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



NEW ADDRESS:
3135 GIBBONS DR.
ALAMEDA, CA

Ro# 341

ENVIRONMENTAL HEALTH SERVICES

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

May 26, 1998

Mr. Phil Briggs
Chevron Products Company
6001 Bollinger Canyon Road
P.O. Box 5004
San Ramon, CA 94583-0804

RE: Former Chevron #9-1153, 3126 Fernside Blvd, Alameda, CA

Dear Mr. Briggs:

I have received a copy of a letter dated May 14, 1998 that was addressed to you from Pacific Environmental Group. The letter clarified the rationale for using hydrogen peroxide injection into well C-1, and Oxygen Releasing Compound (ORC) into wells MW-6 and MW-7 to remediate the groundwater. It is acceptable to use hydrogen peroxide in well C-1 and ORC's in wells MW-6 and MW-7.

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

Sincerely,



Larry Seto
Sr. Hazardous Materials Specialist

Cc: Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



NEW ADDRESS:
3135 GIBBONS DR.
ALAMEDA, CA
R0# 341

ENVIRONMENTAL HEALTH SERVICES

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

March 3, 1998

Mr. Phil Briggs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583
STID 3565

RE: Former Chevron #9-1153, 3126 Fernside Blvd, Alameda, CA

Dear Mr. Briggs:

I have reviewed the First Quarter Groundwater Monitoring Report for 1998 for the above site. This office concurs with your request that the sampling frequency be changed to annual for monitoring wells C-3, MW-4, MW-8 and MW-9; and to semi-annual for wells MW-5 and MW-10; the other wells C-1, MW-6 and MW-7 would remain quarterly.

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

Sincerely,


Larry Seto
Sr. Hazardous Materials Specialist

Cc: Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



NEW ADDRESS:
3135 GIBBONS DR.
ALAMEDA, CA
R0# 341

April 25, 1997

Mr. Philip Briggs
Chevron Products Company
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)

STID 3565

Re: Investigations at Former Chevron Service Station #9-1153, located at 3126 Fernside Blvd., Alameda, California

Dear Mr. Briggs,

This office has reviewed the First Quarter Groundwater Monitoring Report for 1997. Per the request made in your attached February 26, 1997 cover letter, removal of the separate-phase hydrocarbons may be switched to a once-a-month basis. In order to try and determine the stability of the contaminant plume resulting from the site, this office is requesting that future quarterly groundwater monitoring events include the analysis for bio-indicator parameters (including, but not limited to, dissolved oxygen, oxidation-reduction potential, nitrates, sulfates, ferrous iron, and alkalinity).

Quarterly groundwater monitoring should continue at the site. At some point in the future, after the bulk of separate-phase hydrocarbons, which is an on-going contaminant source, has been removed, and regular removal of this separate-phase is halted, subsequent quarterly groundwater monitoring report data should be collected and a groundwater transport evaluation, incorporating the bio-indicator parameter information, conducted to determine the potential migratory extent of the contaminant plume and the concentrations that may eventually reach the residences and/or the Bay.

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

Sincerely,


Juliet Shin
Senior Hazardous Materials Specialist

cc: Chief, ACDEH

ALAMEDA COUNTY
HEALTH CARE SERVICES



20341

AGENCY
DAVID J. KEARS, Agency Director

Alameda County CC4580
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

July 31, 1996

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

STID 3565

Re: RBCA results for Chevron Service Station 9-1153, located at 3126 Fernside Blvd.,
Alameda, California

Dear Mr. Briggs,

This office has received the risk assessment conducted by Weiss Associates for the groundwater to outdoor air exposure scenario and residential gardening scenario pathways. Based on our review of the risk assessment and the available information, including the current land use, there appears to be no current human health threat resulting from the existing groundwater contamination at the site.

Please be reminded that quarterly groundwater monitoring should continue at the site. Based on your July 19, 1996 letter, it is the understanding of this office that separate-phase hydrocarbons are being removed from Well C-1 on a weekly basis.

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

Sincerely,


Juliet Shin
Senior Hazardous Materials Specialist

cc: Mike Cooke
Weiss Associates
5500 Shellmound St.
Emeryville, CA 94608-2411

Acting Chief-File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



NEW ADDRESS:
3135 GIBBONS DR.
ALAMEDA, CA
RO # 341
RAFAT A. SHAHID, DIRECTOR

February 29, 1996

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

DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

STID 3565

Re: Investigations at Former Chevron Service Station #9-1153, located at 3126 Fernside Blvd., Alameda, California

Dear Mr. Miller,

This office has reviewed the February 15, 1996 Quarterly Groundwater Monitoring Report and the attached cover letter, dated February 23, 1996, for the above site. Per the County's October 12, 1995 letter, you were requested to determine whether utility trenches surrounding the site could be acting as a conduit for contaminant plume migration. Based on the limited utility line information provided by Chevron in October 1995, the storm and sewer lines adjacent to the site along High Street appear to lie at depths commensurate to local groundwater depths (4- to 6-feet below ground surface (bgs)). Therefore, there is a high likelihood that these utility trenches are acting as conduits.

In your February 23, 1996 letter to this office, you stated that further investigations into these utility lines were not necessary because the utility lines would not act as "significant pathways" for migration. Title 23 California Code of Regulations (CCR) currently requires that the vertical and lateral extent of a groundwater contaminant plume be characterized. If any portion of the contaminant plume is migrating along these utility trenches, Chevron is required to characterize the extent of the migration per Title 23 CCR.

In the last quarterly monitoring report, Chevron indicated water lines along Gibbons Drive, located between the site and off-site Well MW-7. You stated that "groundwater migration was not "significantly impeded by utilities", based on the fact that contaminants were identified in Well MW-7, despite the water lines between this well and the site. However, this hypothesis can only be substantiated with the assumption that the depth of the water line trenches are commensurate to the groundwater depth. At this time, no information on the depth of the water lines has been provided to the County. Therefore, this office could contend that the identified concentrations in Well MW-7 does not provide any information as to the likelihood of migration along the surrounding utility trenches.

Mr. Mark Miller
Re: 3126 Fernside Blvd.
February 29, 1996
Page 2 of 2

Based on the lack of information on the utility lines, this office is requiring Chevron to gather additional data and rationale to determine whether or not the utility lines are influencing the migration of the plume (e.g., construction details, etc.). **You are required to submit this data to this office within 45 days of the date of this letter.** Additionally, please include the depths of the utility lines on the site plans for all future groundwater monitoring reports.


Lastly, per the County's June 23, 1994 letter and the January 26, 1995 meeting, the County requested Chevron to prepare a human health risk assessment for the site. To date, no risk assessment has been submitted to this office. It is the understanding of this office that the site is currently used as a residence. The levels of benzene identified in on-site Well C-1, 18,000 parts per billion (ppb), far exceed the human health protective levels for benzene in residential scenarios, per Tier 1 of the the American Society for Testing and Materials' Risk-Based Corrective Action (ASTM RBCA). Additionally, per EA's August 1987 report, soil vapor samples collected from the site from within the first 3 feet of soil identified up to 11,000 parts per million (ppm) benzene. **You are required to submit a human health risk assessment addressing areas on and off site within 60 days of the date of this letter.**

Failure to respond to and/or comply with the above requirements may jeopardize Chevron's eligibility for the State Trust Fund.

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

Sincerely,


Juliet Shin
Senior Hazardous Materials Specialist


cc: Cheryl Gordon
SWRCB
Division of Clean Water Programs
Underground Storage Tank Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120

Gil Jensen, Alameda County District Attorney's Office

Acting Chief-File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



NEW ADDRESS: 3135 GIBBONS
DR.

R0341

RAFAT A. SHAHID, Director

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

CC4586

August 25, 1995

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

STID 3565

Re: Investigations at Former Chevron Service Station #9-1153,
located at 3126 Fernside Boulevard, Alameda, California

Dear Mr. Miller,

This office has received and reviewed your August 16, 1995 letter and attached cumulative groundwater gradient plots. Although the groundwater gradient vectors, whose common origin is located within one of the former underground storage tank (UST) locations, point primarily towards the east, in the direction of proposed monitoring Wells MW-8 and MW-9, we cannot ignore the historic analysis data, which indicate that floating product and the highest contaminant concentrations are located southeast of the former USTs, in Wells C-1 and MW-7, and south of the former USTs in Well MW-5. The explanation for this behavior of the plume is not clear. Perhaps, if we assume that the primary source of the contamination, or the location of the vector origin is located closer to Well C-1, where floating product has been identified, the new vector locations would be more consistent with the elevated levels observed to the southeast in Well MW-7. The assumption that the area around Well C-1 is a contributing source of groundwater contamination appears to be reasonable. Therefore, considering the historic analytical data, and the projection of the gradient vectors from near Well C-1, it appears that further plume delineation is reasonable and warranted to the southeast.

Unless it can be argued that the off-site contamination to the southeast and/or south is not attributable to Chevron's site, further delineation will be required in both these directions, in addition to the proposed wells to the east. The elevated contaminant levels observed in the sometimes cross-gradient directions of Wells C-1, MW-7, and MW-5, may be due to radial migration of the contaminant plume. Based on historic observations of other contaminant plumes, it is understood that contaminant plumes do not migrate strictly in the direction of groundwater flow, but also tend to migrate radially outward from the primary flow direction. Additionally, the limited information provided on the neighboring former Phillips station, in your letter dated April 23, 1993, is inconclusive in determining any contaminant contribution from that site.

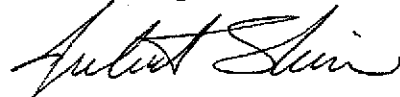
Mr. Mark Miller
Re: 3126 Fernside
August 25, 1995
Page 2 of 2

Lastly, as part of Chevron's proposal to install Wells MW-8 and MW-9, please look into the possibility of plume interference by utility trenches.

Please submit a revision to the July 6, 1995 work plan addressing the above concerns within 45 days of the date of this letter.

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

Sincerely,



Juliet Shin
Senior Hazardous Materials Specialist

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

Acting Chief-File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0341

RAFAT A. SHAHID, Assistant Agency Director

March 2, 1995

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

ALAMEDA COUNTY CC 430-4510
DEPT. OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PKWY., RM.250
ALAMEDA, CAL. 94502-6577

STID 3565

Re: Investigations at Former Chevron Service Station #9-1153,
located at 3126 Fernside Blvd., Alameda, California

Dear Mr. Miller,

Per our meeting on January 26, 1995, and our telephone conversation on March 2, 1995, Chevron is required to further delineate the extent of the ground water contaminant plume identified at the site. Currently, it appears that further delineation is required downgradient of Well MW-7 and cross-gradient of Well MW-5. The need for further delineation in the direction of Well MW-6 is currently uncertain due to the erratic contaminant concentrations observed in this well. Consequently, this office is requesting that Chevron collect an additional quarter of data from these wells, and based on the results of that quarterly monitoring event, due to take place in April 1995, Chevron will be required to prepare a work plan adequately addressing further delineation of the contaminant plume. This work plan shall be submitted within 45 days following the procurement of the next quarter's sampling results.

Additionally, it is the understanding of this office that Chevron is currently uncertain as to the effectiveness of the site's current ground water extraction system and whether or not the operation of this extraction system should continue. Per our conversation on March 1995, the extraction system is currently inactive, and has been inactive since prior to the last quarterly sampling event, which took place on January 12, 1995. Based on the results of the last quarterly sampling event, it appears that the thickness of free product/separate phase hydrocarbons has increased in Well C-1. This may be an indication that the inactivation of the extraction system may be resulting in greater product ponding, creating the potential for elevated hydrocarbon vapor concentrations or the migration of product or high concentrations of dissolved-phase hydrocarbons in greater amounts than previously observed.

Based on our conversation, the extraction system will continue to remain inactive until at least the results of the next quarterly sampling event are reviewed by Chevron. If the sampling results continue to indicate greater accumulation of free product and/or impacts to ground water resulting from the inoperation of the

Mr. Mark Miller
Re: 3126 Fernside Blvd.
March 2, 1995
Page 2 of 2

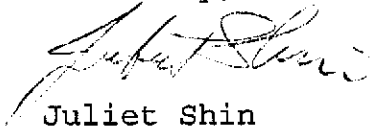
extraction system, Chevron will be required to reactivate the extraction system or implement another effective remediation/containment measure for the contaminant plume. If product is accumulating only in Well C-1, and concentrations do not appear to be increasing in the other wells due to the inactivation of the extraction system, the implementation of a passive product skimmer may be acceptable. The required work plan, referenced above, shall incorporate these concerns.

Per the site's Comprehensive Site Evaluation and Proposed Future Action Plan, dated December 20, 1994, Weiss Associates (Weiss) stated that no viable remediation alternatives existed for the site. However, Weiss did not provide adequate rationale to support its argument. If Chevron wishes to propose that no viable remediation alternatives exist at the site, a feasibility study, adequately assessing the various remedial options, must be prepared and submitted to this office for review.

Lastly, per our January 1995 meeting, please submit information on the 100 cubic yards of soil that was removed from beneath the on-site residence. Additionally, please submit the lab analysis results for the first four quarters of water sampling for Wells C-1 through C-3 and the tank removal.

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

Sincerely,



Juliet Shin
Senior Hazardous Materials Specialist

cc: Weiss Associates
5500 Shellmound St.
Emeryville, CA 94608-2411

File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



NEW ADDRESS: 3135 Gibbons
Dr.
Alameda, CA

R0341

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

June 23, 1994

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

STID 3565

Re: Investigations at Former Chevron Service Station #9-1153,
located at 3126 Fernside Blvd., Alameda, California

Dear Mr. Miller,

This office has reviewed Groundwater Technology's Additional Environmental Assessment Report, dated January 31, 1994, for the above site. The ground water sample collected from Well MW-7, located off-site and downgradient of the current extraction system, identified benzene at an elevated concentration of 110 ppb. Therefore, it appears that the extent of the ground water contaminant plume has not yet been defined. Regardless of the former Phillips 66 station downgradient of the site, Chevron is still required to fully characterize the extent of observed soil and ground water contamination. There is currently no information to indicate that operations at the former Phillips 66 station resulted in a release to ground water.

The current extraction system does not appear to be effectively containing or remediating the ground water contaminant plume. Based on the history of investigations/remediation at other various contaminated sites, ground water extraction systems, in general, are known to be rather ineffective at remediating the residual hydrocarbon contamination adhering to the soil particles in the capillary fringe. In addition to this inherent limitation, this office is concerned that the site's extraction system may not effectively encompass the off-site portion of the contaminant plume, or contain all of the ground water contaminant plume from migrating off site, based on the fact that a well downgradient of the extraction system, Well MW-7, identified elevated contaminant levels.

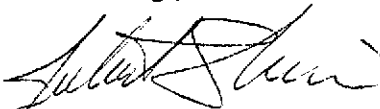
Chevron will be required to take further steps to remediate the soil/ground water contamination at the site, and to delineate the extent of the ground water contaminant plume. It appears that if the residual contamination is not remediated, leaching of these residuals into the ground water will persist. Please submit a work plan addressing the above work within 90 days of the date of this letter.

Mr. Mark Miller
Re: 3126 Fernside Blvd.
June 23, 1994
Page 2 of 2

Additionally, this office is concerned about the potential impact of the contaminated soil and ground water on the residents of the site. If there are currently people residing at the site, this office is requesting that you submit a Risk Assessment to assure this office that there is no human health threat associated with the observed release. You are required to submit a Risk Assessment and/or a timetable for scheduled Risk Assessment work, **within 90 days of the date of this letter.**

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

Sincerely,



Juliet Shin
Hazardous Materials Specialist

cc: J.L. & Jane Bolton
3135 Gibbons Drive
Alameda, CA 94501

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

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



20341
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

August 9, 1993

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

STID 3565

Re: Work plan for Additional Site Assessment for Former Chevron Service Station #9-1153, located at 3126 Fernside Blvd., Alameda, California

Dear Mr. Miller,

This office has received and reviewed Groundwater Technology, Inc.'s work plan, dated June 16, 1993. The work plan is acceptable to this office. This work plan shall be implemented within 60 days of the date of this letter. A report documenting field work shall be submitted within 45 days of completing field activities.

This office has also reviewed the raw lab data for ground water samples collected from the above site in July 1993. The elevated levels of contaminants identified in Well MW-6 during some of the past quarterly monitoring events is a concern to this office. Although, contaminant concentrations in this well appear to have attenuated in recent quarterly sampling events, an additional well may be required downgradient of Well MW-6 if contaminant concentrations increase in the future.

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

Sincerely,

Juliet Shin
Hazardous Materials Specialist

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

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DR. D. J. BARRS, Agency Director



R0341

RAFAT A. SHAHID, Assistant Agency Director

June 14, 1993

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

James V. Joyce
Attorney at Law
Law Offices of Jack Provine
500 Ygnacio Valley Road, Suite 390
Walnut Creek, CA 94590

RE: Site Search for, Former Chevron located at 3126 Fernside
Street, Alameda

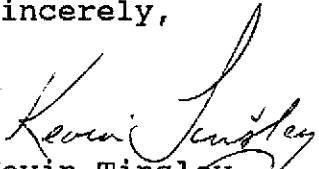
Dear Mr. Joyce:

Enclosed is your bill for reviewing our records for the above
noted property, on June 9, 1993. This fee is authorized under
County Ord. Code 3-180.3. Please remit the total of \$226.00, as
indicated on the billing statement, upon receipt of this request.

You should be informed, this bill is being mailed because you
failed to return for your copies in person, as you agreed. We
are currently holding-on to the copies until we here from you.

If you have any questions, do not hesitate to call me at (510)
271-4320.

Sincerely,


Kevin Tinsley
Hazardous Materials Specialist

c, Edgar Howell, Chief Alameda County Hazardous Materials
Division-(files, kt)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0341

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

April 28, 1993

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

STID 3565

Re: Investigations at 3126 Fernside Blvd., Alameda, California

Dear Mr. Miller,

Per your request, this office is granting you an extension of the due date for a work plan for the above site to June 6, 1993. Additionally, you requested that this office search our records for any tank removal information on 1928 High Street in Alameda. This office has no information on the tank removals at this site.

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

Sincerely,


Juliet Shin
Hazardous Materials Specialist

cc: Richard Hiatt, RWQCB

Tom Berry
Weiss Associates
5500 Shellmound St.
Emeryville, CA 94608-2411

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



SITE: 3135 Gibbons Dr.
Alameda, CA 94501

R0341

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

February 19, 1993

Mr. Mark Miller
Chevron U.S.A. Products Co.
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

STID 3565

RE: Former Chevron Service Station #9-1153, located at 3126
Fernside Blvd., Alameda, California

Dear Mr. Miller,

This office has received Weiss Associate's work plan, dated February 3, 1993, addressing the drilling and sampling of three off-site boreholes. This work plan is acceptable to this office with the understanding that these borings will solely be used as screening tools to determine the locations for permanent monitoring wells that will delineate the downgradient extent of the ground water contaminant plume. Per your letter, dated February 12, 1993, the proposed work will begin immediately after this Department's formal concurrence.

Ground water samples collected from Wells MW-6, C-1, and MW-5 in the last quarterly sampling effort of October 1992, identified elevated levels of TPHg and benzene. Per Section 2725, Article 11, Title 23 California Code of Regulations, you are required to fully delineate the extent of the soil and ground water contamination resulting from your site and prepare a corrective action plan to adequately remediate the extent of this problem. It seems fairly evident that the existing interim remediation trench system is limited in its ability to contain the whole extent of the currently defined ground water contaminant plume, so another type of containment/remediation system will be required. You will be required to submit a work plan addressing the installation of additional wells to delineate the extent of the ground water contaminant plume and the containment and remediation of the plume within 60 days after the three borings are drilled and sampled.

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

Sincerely,

Juliet Shin
Hazardous Materials Specialist

Mr. Mark Miller
Re: 3126 Fernside Dr.
February 19, 1993
Page 2 of 2

cc: Richard Hiett, RWQCB

Tom Berry
Weiss Associates
5500 Shellmound St.
Emeryville, CA 94608-2411

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



Site: 3135 Gibbons Dr

R0241

RAFAT A. SHAHID, Assistant Agency Director

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

April 27, 1992

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

STID 3565

RE: Former Chevron Service Station #9-1153, located at 3135
Fernside Blvd., Alameda, California

Dear Ms. Vukelich,

This office has reviewed your work plan, dated January 8, 1992, for the installation of three off-site monitoring wells. The work plan is acceptable to this office except for the location of the easternmost proposed monitoring well. Per your conversation with Ms. Shin on April 27, 1992, you are required to change the proposed location of this well so that it will be downgradient of the known groundwater contamination, in the area of Well C-1, instead of being downgradient of the active recovery trench. With this modification in mind, you may begin implementing your work plan.

Please be reminded that a report documenting the results from work performed is due to this office within 45 days of completion of field activities. Additionally, after the installation of the three monitoring wells, quarterly monitoring and reporting must be conducted for these wells.

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

Sincerely,


Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Richard Hiett, RWQCB
Richard Quarante, Alameda Fire Dept.

file js