

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



201094

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

StID 1185

December 7, 1998

Mr. C. Christopoulous
C & H Development
3744 Mt Diablo Suite 301
Lafayette, CA 94549

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

RE: Well Decommission at 4300 MacArthur Blvd, Oakland, CA

Dear Messrs. Christopoulous and Briggs:

This office and the San Francisco RWQCB have reviewed the case closure summary for the above referenced site and concur that no further action related to the underground tank release is required at this time. Before a remedial action completion letter is sent, the onsite and offsite monitoring wells (MW-1A through 5A) should be decommissioned, if they will no longer be monitored. Please notify this office upon completion of well destruction so a closure letter can be issued.

Well destruction permits may be obtained from Alameda County Public Works. They can be reached at (510) 670-5575.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'eva chu', written over a horizontal line.

eva chu
Hazardous Materials Specialist

amirchevron2

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RO#1094

September 16, 1997

STID 1185

re: 4300 Mac Arthur Blvd., Oakland, CA 94619

Philip Briggs
Chevron USA Inc.
P.O. Box 5504
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

Dear Philip Briggs:

This office has received and reviewed Groundwater Monitoring Reports, dated May 17 and June 18, 1997, both by Blaine Tech Services, Inc., and a Regulatory Response dated July 16, 1997 by Cambria Environmental Technology, Inc., for the above site. You have also made written and telephonic requests concerning this site. The following are comments concerning these reports and your requests.

1. The monitoring reports certainly indicate a very high level of benzene and MTBE in MW-3a. The contamination on this site should be monitored until it reaches acceptable levels. There is a possibility, with the groundwater being at only 6 - 8 feet, that utility conduits are intercepting the plume. This is difficult to verify and even more difficult to prevent. That may account for the absence of contamination in MW-5a, which is across the street.
2. This office is currently reviewing the risk assessment. It does not appear that there are any errors. Any questions concerning this procedure will be submitted to you shortly.

This site will be overseen by Pam Evans, who you may call with any questions at (510) 567-6700.

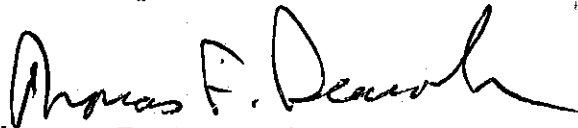
September 16, 1997

STID 1185

Chevron USA Inc.

Page 2 of 2

Sincerely,



Thomas F. Peacock, Manager
Division of Environmental Protection

c: Joseph Theisen, Cambria, 1144 - 65th St., Suite B, Oakland,
CA 94608
Francis Thie, Blaine Tech Svs, 1680 Rogers Ave., San Jose,
CA 95112
Gordon Coleman, Chief - files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RO#1094

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 1185

Re: Investigations at Former Chevron Service Station #9-3676, located at 4300 MacArthur Blvd., Oakland, California

Dear Mr. Briggs,

This office has reviewed the third and fourth 1996 Quarterly Groundwater Monitoring Reports, dated October 31, 1996 and January 15, 1997. Based on the fluctuating contaminant concentrations in Wells MW-2A, MW-3A, and MW-4A, this office is requesting that you submit a report discussing the rate of natural plume attenuation at the site. As part of this request, the next round of groundwater samples collected from all the wells should be analyzed for bio-indicator parameters (including, but not limited to, dissolved oxygen, oxidation-reduction potential, nitrates, sulfates, ferrous iron, pH, conductivity, temperature, and alkalinity). The natural attenuation study should also include regression analysis using plots of concentrations and log of concentrations versus time.

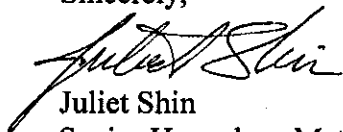
Additionally, soil samples collected from beneath the former underground storage tanks during the tank removals in 1988 identified up to 1.5 parts per million (ppm) benzene at 12 feet below ground surface (bgs). This soil concentration exceeds the 10^{-4} excess cancer risk threshold value for vapor intrusion into commercial buildings, provided in the Tier 1 table of the American Society for Testing and Materials' Risk-Based Corrective Action Guidelines (E1739-95). Therefore, this office is requesting that you submit a risk assessment discussing the potential for residual soil concentration vapors to infiltrate the building and impact users of the Mini Mall. Soil concentrations from below the former underground storage tanks as well as from Well MW-1A and MW-4A, which are closest to the current building, should be incorporated into this assessment.

Furthermore, a risk assessment addressing the potential impacts of observed soil and groundwater contamination on construction workers should be included in the above risk assessment. This assessment should incorporate contaminant concentrations from throughout the whole site and realistic construction work scenarios. If the site is zoned as something other than commercial, further scenarios may need to be discussed in the risk assessment.

Mr. Philip Briggs
Re: 4300 MacArthur Blvd.
April 25, 1997
Page 2 of 2

This assessment should be submitted to this office at the end of June 1997 along with the next quarterly groundwater monitoring report. 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
AGENCY

DAVID J. KEARS, Agency Director



R01094

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

December 2, 1993

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

STID 1185

Re: Work plan for Former Chevron Service Station #9-3676,
located at 4300 MacArthur Blvd., Oakland, California

Dear Mr. Miller,

This office has reviewed RESNA's work plan, dated November 12, 1993, for the installation of an additional monitoring well for the above site. The work plan is acceptable to this office with the following recommendations/changes:

- o Since soil contamination was identified from depths ranging from 5.5 to 10.5 feet during the installation of Wells MW-3A and MW-4A, this office is requiring that at least one of the soil samples collected from the installation of the proposed off-site well be analyzed at a certified laboratory.
- o Please be reminded to check for utilities along MacArthur Boulevard and submit the information to this office. This office needs to be assured that if contaminants migrate preferentially along any utility trenches instead of flowing southwest, that you address these different pathways. The Oakland Public Works Department has information on the depths to sanitary sewer and storm water lines. Pacific, Gas, & Electric Co. has information on the depth to electric lines. Additionally, East Bay Municipal Utilities District may have information on the location of the water lines.


Field work shall commence **within 60 days** of the date of this letter. A report detailing the work shall be submitted within 45 days of completing field activities.

Lastly, this office is requesting that you include the field notes for well sampling (e.g., notes showing gallons purged, pH, depth-to-water, etc.) in future quarterly ground water monitoring reports.

Mark Miller
Re: 4300 MacArthur Blvd.
December 2, 1993
Page 2 of 2

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

Sincerely,



Juliet Shin
Hazardous Materials Specialist

cc: Cynthia R. Virostko
RESNA
3315 Almaden Expressway, Ste 34
San Jose, CA 95118

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R01094

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 11, 1993

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

STID 1185

Re: Investigations at Former Chevron Service Station #9-3676,
located at 4300 MacArthur Blvd., Oakland, California

Dear Mr. Miller,

This office has reviewed RESNA's Subsurface Environmental Investigation Report, dated February 16, 1993. Having reviewed the report, it was noted that the boring logs for the newly installed wells, MW-3A and MW-4A, show a great difference between the depth to first encountered water (at about 15 feet below ground surface (bgs)) and depth to equilibrated ground water (at about 8 feet bgs), which seems to indicate that there is a confining layer in this area. However, there is also information that seems to go against this theory. The soil types identified throughout the borings are fairly consistently clay down to the bottom of both borings (20 to 26 feet depth), and the soil samples collected from five and 10 feet bgs identified contamination while soil samples collected from 15 feet bgs did not. If, in fact, there was a confining layer out at the site, soil contamination would most likely not be found at those shallow depths, and one would expect to see a greater and more sudden transition in soil types than was observed in the above borings.

It is the understanding of this office that subsequent to the submittal of the next quarterly sampling report for the site, your consultants will prepare and submit a work plan addressing the installation of additional wells to further delineate the extent of the ground water contaminant plume at the site. This office is requesting that prior to, or in conjunction with, the installation of additional wells, you implement additional investigations to clarify the geological and hydrogeologic conditions at the site. If a confining layer is determined to exist at the site, than the well screen intervals for Wells MW-3A and MW-4A will be acceptable. However, if it is determined that confining conditions do not exist at the site, then future wells will have to be screened accordingly.

Mr. Mark Miller
Re: 4300 MacArthur Blvd.
March 11, 1993
Page 2 of 2

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

Sincerely,



Juliet Shin
Hazardous Materials Specialist

cc: Richard Hiatt, RWQCB

Cynthia R. Virostko
RESNA
42501 Albrae Street
Fremont, CA 94538

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R01094

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

October 27, 1992

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

STID 1185

RE: Work plan for investigations at the Former Chevron Service Station #9-3676, located at 4300 MacArthur Blvd., Oakland, CA 94619

Dear Mr. Miller,

The case file for the above site has recently been transferred to another Hazardous Materials Specialist, Juliet Shin.

This office has received and reviewed the work plan, dated October 22, 1992, for the above site.

Soil samples collected from beneath the former waste oil underground storage tank in 1988 identified concentrations of both TOG and TPHd. However, subsequent ground water samples were never analyzed for these constituents. You are required to analyze the next round of ground water samples, collected from all four monitoring wells, for TOG and TPHd, in addition to TPHg and BTEX. If the analysis of these samples do not identify concentrations of these two additional constituents, than you may discontinue the analysis for them in subsequent sampling efforts.

With the addition of the above sampling requirement, the work plan meets with the approval of this office. Field work should commence within 60 days of the receipt of this letter. A report documenting the results from work performed is due to this office within 45 days of completion of activities.

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

Sincerely,

Juliet Shin
Hazardous Materials Specialist

Mr. Mark Miller
RE: 4300 MacArthur Blvd.
October 27, 1992
Page 2 of 2

cc: Richard Hiatt, RWQCB

Cynthia R. Virostko
RESNA
42501 Albrae Street
Fremont, CA 94538

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R01094

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

September 10, 1992
STID# 1185

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

Re: 4300 MacArthur Blvd., Oakland, CA 94619

Dear Nancy Vukelich:

This office has received and reviewed the Quarterly Groundwater Monitoring Reports up through the October 28, 1991 report by Resna.

The following are comments concerning this site:

1. Annual monitoring, as proposed, is not acceptable. You must reinstitute quarterly monitoring.
2. The vertical and lateral extent of contamination has not been delineated. There are only 2 existing wells on the site. The last analysis had 120 ppb TPHg and 2.6 ppb benzene in the presumed downgradient well. There is no information to show how this relates to a lateral extent of contamination.
3. It has been almost 4 years since the tanks were removed. It has been almost 1 year since there has been any analysis of the monitoring wells.
4. The groundwater gradient can not be confirmed from just 2 wells. The presumed gradient direction is from when there were 5 wells, apparently several years ago. The presumed gradient is directly towards MacArthur Blvd., which is off site. This has not been investigated at all.
5. The gradient, as calculated, should be shown on drawings, which it has not.
6. Further investigation needs to be done to delineate the vertical and lateral extent of contamination. Please submit a workplan as attached **within 30 days**. Attached also is a list of required information needed for case closure. This information needs to be provided during the investigation.

Chevron, U.S.A., Inc.
STID #1185
September 10, 1992
Page 2 of 2

If you have any questions concerning this matter please contact this office.

Sincerely,



Thomas F. Peacock, Supervising HMS
Hazardous Material Division

cc: Lester Feldman, RWQCB
Edgar Howell, Chief - Files
C. Christopoulous, C & H Development, 3744 Mt. Diablo, Ste. 301,
Lafayette, CA 94549

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R01094

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

October 13, 1989

Mr. Pete Jaharis
Chevron U.S.A. Inc.
P.O. Box 5004
2410 Camino Ramon
San Ramon, CA 94583-0804

Re: Former Chevron Service Station #9-3676
4300 MacArthur Blvd.
Oakland, CA 94619

Dear Mr. Pete Jaharis:

This letter is in response to your summary of actions taken since the tanks were removed from the above address on December 2, 1988. The following information is needed by this office:

1. Please submit copies of the hazardous waste manifest for the 20 yards of soil disposed at a Class I facility.
2. Five ground water monitoring wells were to be installed and monitored quarterly. To date this office has not received any of the monitoring reports. Please send these for the 3 or 4 quarters that should have been done.

Sincerely,

Thomas F. Peacock, Senior HMS
Hazardous Materials Division

RAS:tfp

cc: Lester Feldman, RWQCB
Lisa Marinaro, Chevron, USA
Rafat Shahid, Assistant Agency Director, Environmental Health