

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



SENT
9-25-06

September 20, 2006

Mr. Dana Thurman
Chevron Environmental Management Co.
6001 Bollinger Canyon Rd., K2236
P.O. Box 6012
San Ramon, CA 94583-2324

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

Dear Mr. Thurman:

Subject: Fuel Leak Case No. RO0002438, Chevron #9-2029, 890 West MacArthur Blvd.,
Oakland, CA 94608

Alameda County Environmental Health (ACEH) staff has received and reviewed the August 31, 2006 Well Destruction and Installation Workplan by Cambria. This work plan proposes the proper well decommissioning of monitoring wells MW-1 through MW-4 and the installation of four new wells along the sidewalks down-gradient of this site as indicated in Figure 2 within this report. We approve this work plan and request you observe the following technical comment when performing this work and submit the technical reports requested below.

TECHNICAL COMMENTS

1. Soil sampling- We request that you screen the borings for the proposed wells every 5' and analyze those samples which indicate contamination. At a minimum, the sample from the capillary fringe should be analyzed for the COCs.

TECHNICAL REPORT REQUEST

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

- Well Decommission and Installation Report- 30 days after completion of field work.
- Groundwater Monitoring Report- 30 days after submission of Well Decommission and Installation Report and quarterly thereafter.

ELECTRONIC SUBMITTAL OF REPORTS

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

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker

website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements ([http://www.swrcb.ca.gov/ust/cleanup/electronic reporting](http://www.swrcb.ca.gov/ust/cleanup/electronic%20reporting)).

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

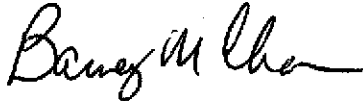
UNDERGROUND STORAGE TANK CLEANUP FUND

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

Mr. Dana Thurman
RO2438, 890 W. MacArthur Blvd.
Page 3 of 3

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

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

C: files, D. Drogos

Mr. Stephen O'Kane, Westmac LLC, 1842 Twenty First Ave., SF, CA 94122

Mr. David Herzog, Cambria Environmental, 4111 Citrus Ave., Suite 9, Rocklin,
CA 95677

Mr. Jesse Kupers, OFD, 250 Frank Ogawa Plaza, Suite 3341, Oakland, CA 94612

9_20_06 890 WMacArthur

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



SENT
11-7-05

November 7, 2005

Mr. Dana Thurman
Chevron Environmental Management Co.
6001 Bollinger Canyon Rd., K2236
P.O. Box 6012
San Ramon, CA 94583-2324

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

Dear Thurman:

Subject: Fuel Leak Case No. RO0002438, Chevron #9-2029, 890 West MacArthur Blvd.,
Oakland, CA 94608

As you are aware, Mr. Stephen O'Kane of Westmac, LLC is currently in contract to purchase the subject site. He has requested that Alameda County Environmental Health (ACEH) staff comment on the site's ability for development. His proposed development calls for parking at the ground level with residential above. It appears that the majority of the petroleum-impacted soil has been removed from the site. Therefore, our office would have no objection for the specified proposed development, however, we request to see the specific details of the development to insure there is a proper plan for soil and groundwater management, that there is no potential of creating pathways for pollution migration and that groundwater monitoring continues until site closure is obtained.

Please be aware that the groundwater investigation at the site has not been completed. Our office has conditionally approved your September 19, 2005 investigation work plan. Based upon the results of this investigation, additional groundwater investigation and/or remediation may be required either on or off-site. Therefore, although approved, the planned development should not be initiated until all onsite actions are completed.

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. Stephen O'Kane, Westmac LLC, 1842 Twenty First Ave., SF, CA 94122
Mr. David Herzog, Cambria Environmental, 4111 Citrus Ave., Suite 9, Rocklin,
CA 95677

Mr. Jesse Kupers, OFD, 250 Frank Ogawa Plaza, Suite 3341, Oakland, CA 94612

11_4_05 890 WMacArthur

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



SENT
10-27-05

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

October 26, 2005

Mr. Dana Thurman
Chevron Environmental Management Co.
6001 Bollinger Canyon Rd., K2236
P.O. Box 6012
San Ramon, CA 94583-2324

Dear Thurman:

Subject: Fuel Leak Case No. RO0002438, Chevron #9-2029, 890 West MacArthur Blvd.,
Oakland, CA 94608

Alameda County Environmental Health (ACEH) staff has recently reviewed the case file for the subject site including the September 19, 2005 *Investigation Workplan*, prepared by Cambria Environmental. This work plan responds to the County's prior August 26, 2005 letter. We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below.

TECHNICAL COMMENTS

1. **Conduit Study-** A conduit study was not proposed in your work plan as requested in our 8/26/05 letter. Therefore, prior to performing the proposed work, we request you perform a utilities/conduit study to insure that the proposed boring locations are not affected by existing preferential pathways. Please submit your conduit study as requested below and confirm your conclusion regarding the utilities and conduits with our office prior to performing the proposed work.

2. **Contaminant Plume Definition-** The work plan proposes advancing eight (8) Geoprobe borings down-gradient of wells MW-3 and MW-4, the current most impacted wells at the site. One of the borings is proposed down-gradient of the former UST pit, where the highest soil concentrations were found. Three depth discrete groundwater samples are proposed to determine the three dimensional characteristics of the plume. We approve this work with the following recommended changes.
 - The locations of the borings should be omitted or changed according to the attached figure 2. The recommended changes include omitting the two westernmost borings, adding three additional borings to define the north, south and east edges of the plume, moving one boring closer to EX28, the highest post-excavation sample and moving one boring into the former tank pit, formerly not sampled.
 - Groundwater samples proposed for sampling at depths of 10, 17 and 25 fbg, should be collected at first encountered groundwater believed to be 10-15 fbg and at approximately 10-15' below the first encountered depth. Soil samples should be examined and screened every five feet with those exhibiting odors analyzed by the laboratory.
 - Soil and groundwater samples should be tested for TPHg and BTEX, MTBE, TAME, ETBE, DIPE, TBA, EDB, EDC and ethanol by EPA Method 8260. Please submit your soil and groundwater investigation report as requested below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health according to the following schedule:

- November 28, 2005- Conduit Study
- 60 days after completion of SWI- Soil and Groundwater Investigation Report

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

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) now request submission of reports in electronic form. The electronic copy is intended to replace the need for a paper copy and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (In PDF format). Please visit the State Water Resources Control Board for more information on these requirements ([http://www.swrcb.ca.gov/ust/cleanup/electronic reporting](http://www.swrcb.ca.gov/ust/cleanup/electronic%20reporting)).

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

Mr. Dana Thurman
October 26, 2005
Page 3

certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

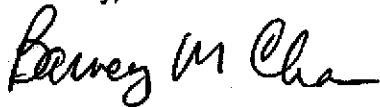
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

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

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

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

Enclosure: Figure 2

C: files, D. Drogos

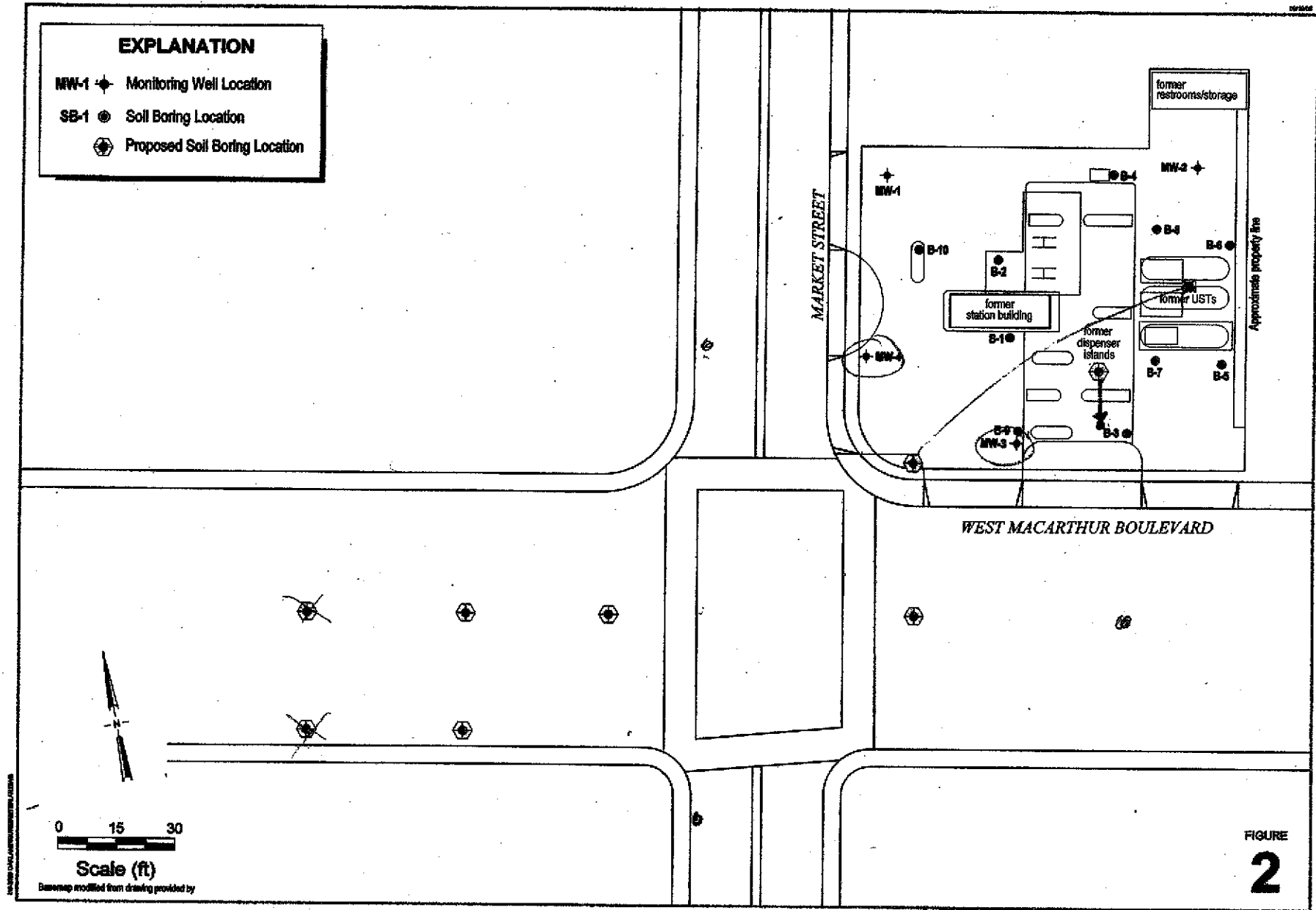
Mr. David Herzog, Cambria Environmental, 4111 Citrus Ave., Suite 9, Rocklin, CA 95677

Mr. Jesse Kupers, OFD, 250 Frank Ogawa Plaza, Suite 3341, Oakland, CA 94612

10_26_05 090 WMacArthur

EXPLANATION

- NW-1 + Monitoring Well Location
- SB-1 ● Soil Boring Location
- ⊕ Proposed Soil Boring Location



FIGURE

2

ALAMEDA COUNTY
HEALTH CARE SERVICES



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DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES

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

August 26, 2005

Mr. Dana Thurman
Chevron Environmental Management Co.
6001 Bollinger Canyon Rd., K2236
P.O. Box 6012
San Ramon, CA 94583-2324

Dear Thurman:

Subject: Fuel Leak Case No. RO0002438, Chevron #9-2029, 890 West MacArthur Blvd.,
Oakland, CA 94608

Alameda County Environmental Health (ACEH) staff has recently reviewed the June 17, 2005, Underground Storage Tank/Product Piping Removal and Compliance Sampling Report, the July 6, 2005 Remedial Excavation Report and the May 5, 2005 Request for Reduction in Groundwater Sampling letter, prepared by Cambria Environmental. We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below.

TECHNICAL COMMENTS

1. Conduit Study

The purpose of the conduit study is to locate potential migration pathways and potential conduits and determine the probability of the plume encountering preferential pathways and conduits that could spread the contamination. Of particular concern is the identification of abandoned wells and improperly-destroyed wells that can act as conduits to deeper water bearing zones.

We request that you perform a conduit study that details the potential migration pathways and potential conduits (utilities, storm drains, etc.) that may be present in the vicinity of the site. Provide a map showing the location and depth of all utility lines and trenches including sewers and storm drains within and near the plume area.

The conduit study shall include a detailed well survey of all wells (monitoring and production wells: active, inactive, standby, destroyed (sealed with concrete), abandoned (improperly destroyed); and dewatering, drainage, and cathodic protection wells) within a ½ mile radius of the subject site. As part of your detailed well survey, please perform a background study of the historical land uses of the site and properties in the vicinity of the site. Use the results of your background study to determine the existence of unrecorded/unknown (abandoned) wells, such as old deep agricultural wells, that can act as pathways for migration of contamination at and/or from your site. Please review historical maps such as Sanborn maps, aerial photos, etc., when performing the background study. Provide a map(s) showing the location of all wells identified in your study. We have previously authorized this action by signing a DWR form. Please submit your study as requested below.

2. Contaminant Plume Definition

The purpose of contaminant plume definition is to determine the three-dimensional extent of contamination in soil and groundwater from the unauthorized release at your site. The extent of contamination in groundwater at your site is undefined. The results of recent groundwater monitoring indicate the presence of high levels of dissolved gasoline, benzene and MTBE near MW-3 and MW-4, likely extending beyond the property boundary.

We request that you perform a detailed, expedited site assessment using depth discrete sampling techniques on borings installed along transects to define and quantify the full three-dimensional extent of MTBE, TPHg and benzene in groundwater. Please submit a work plan for this assessment as requested below.

3. Groundwater Monitoring

Quarterly groundwater monitoring should continue at this site to observe the effects of the recent remediation activities. However, since results indicate wells MW-1 and MW-2 have not been impacted by petroleum hydrocarbons since their installation, 3/02, we concur with the elimination of sampling and analysis from these wells. You should continue to take groundwater elevation readings to generate your groundwater contour figure.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health according to the following schedule:

- September 30, 2005- Conduit Study
- September 30, 2005- Contaminant Plume Definition 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.

ELECTRONIC SUBMITTAL OF REPORTS

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Mr. Dana Thurman
August 26, 2005
Page 3

monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). Please visit the State Water Resources Control Board for more information on these requirements ([http://www.swrcb.ca.gov/ust/cleanup/electronic reporting](http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting)).

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PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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Mr. Dana Thurman
August 26, 2005
Page 4

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

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

C: files, D. Drogos

Mr. David Herzog, Cambria Environmental, 4111 Citrus Ave., Suite 9, Rocklin, CA 95677

8_26_05 890 WMacArthur

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



12-10-01

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

December 7, 2001

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

Re: Chevron Service Station #9-2029, 890 W. MacArthur Blvd., Oakland, CA;
RO0002438

Dear Mr. Bauhs:

"Workplan for Additional Site Investigation ..." dated October 25, 2001 by Delta Environmental Consultants, Inc., proposing the installation of four groundwater monitoring wells to delineate the lateral extent of the petroleum hydrocarbons in soil and groundwater at the site was reviewed. This workplan is acceptable.

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

Sincerely,

Don Hwang
Hazardous Materials Specialist

C: Geoffrey Risse, Delta Environmental Consultants, Inc., 3140 Gold Camp Dr., Suite 170,
Rancho Cordova, CA 95670-6021

file

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



9-5-01

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

September 4, 2001

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

Re: ✓ Chevron Service Station #9-2029, 890 W. MacArthur Blvd., Oakland, CA;
RO0002438

Dear Mr. Bauhs:

"Environmental Investigation Report..." dated October 31, 2000 by Delta Environmental Consultants, Inc., was reviewed. This is the only document which our office has regarding leaks from this site. Therefore, please provide the following documents:

- 1) Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report
- 2) Gettler-Ryan Inc., April 10, 1997, Soil Sampling During Product Dispenser Replacement at Chevron Service Station #9-2029, 890 W. MacArthur Blvd., Oakland, CA, Job No. 1205.02
- 3) Inspection report of February 1997 soil sampling during product dispenser replacement

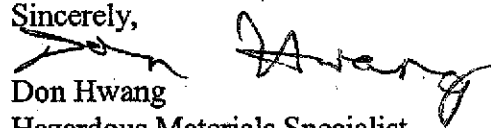
On October 5 through 9, 2000, 10 on-site soil borings, B-1 through B-10 were drilled. The soil samples collected from borings B-1 at 6 feet below ground surface (bgs), B-3 at 11 feet bgs, and B-9 at 6 and 11 feet bgs contained Total Petroleum Hydrocarbons-Gasoline (TPH-G) ranging from 68 to 930 mg/kg, benzene ranging from 0.15 to 6.7 mg/kg, and Methyl Tertiary-Butyl Ether (MTBE) ranging from 0.33 to 13 mg/kg. Grab groundwater samples collected October 2000 from borings B-1, B-3, B-7, and B-10 contained TPH-G ranging from 500 to 33,000 ug/l. Grab groundwater samples from borings B-1, B-3, and B-10 also contained benzene ranging from 8.3 to 1,200 ug/l. TPH-G and benzene were not detected in grab groundwater samples from any of the other borings. MTBE was detected in grab groundwater samples from all borings. MTBE concentrations ranged from 47 to 820 ug/l.

We concur with the report's conclusions that the lateral extent of the hydrocarbon impacted soil has not been delineated to the south and southwest, and the extent of the hydrocarbon impacted groundwater has not been delineated to the south, southwest, and west. Therefore a workplan which includes the installation of monitoring wells is required to delineate the lateral extent of the hydrocarbon impacted soil and groundwater.

Mr. Bauhs
September 4, 2001
Page 2 of 2

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

Sincerely,


Don Hwang

Hazardous Materials Specialist

^{cc}
C: Barbara Sieminski, Stephen Carter, Delta Environmental Consultants, Inc., 3164 Gold
Camp Dr., Suite 200, Rancho Cordova, CA 95670-6021

file

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RO#2438

January 06, 1999

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

ATTN: Mr Scott Wilson

Robert H Lee & Assoc
1137 N Mc Dowell Blvd
Petaluma CA 94954

RE: Project # 4926A - Type MOD
at 890 W Macarthur Blvd in Oakland 94608

Dear Property Owner/Designee:

Our records indicate the deposit/refund account for the above project has fallen below the minimum deposit amount. To replenish the account, please submit an additional deposit of \$184.30, payable to Alameda County, Environmental Health Services, within two weeks of receipt of this letter.

It is expected that the amount requested will allow the project to be completed with a zero balance. Otherwise, more money will be requested or any unused monies will be refunded to you or your designee.

The deposit refund mechanism is authorized in Section 6.92.040L of the Alameda County Ordinance Code. Work on this project will be debited at the Ordinance specified rate, currently \$100 per hour.

Please be sure to write the following identifying information on your check:

- project #
- type of project and
- site address

(see RE: line above).

If you have any questions, please contact Tom Peacock at (510) 567-6782.

Sincerely,

Tom Peacock, Manager
Environmental Protection

c: files

TITLE 23. Waters**Division 3. State Water Resources Control Board****Chapter 16. Underground Tank Regulations****Article 5. Release Reporting and Initial Abatement Requirements****§2655. Free Product Removal Requirements.****§2655. Free Product Removal Requirements.**• Note • History

(a) At sites where investigations made pursuant to section 2652 indicate the presence of **free product**, the owner or operator shall comply with the requirements of this section. The owner or operator shall remove **free product** to the maximum extent practicable, as determined by the local agency, while continuing to take any actions required under sections 2652 through 2654.

(b) **Free product** shall be removed in a manner that minimizes the spread of contamination into previously uncontaminated zones by using recovery and disposal techniques appropriate to the hydrogeologic conditions at the site. The **free product removal** process shall result in proper treatment, discharge or disposal of recovery byproducts in compliance with applicable local, state and federal regulations.

(c) Abatement of **free product** migration shall be the predominant objective in the design of the **free product removal** system.

(d) Flammable products shall be handled in a safe manner consistent with state and local requirements.

(e) A **free product removal** report shall be submitted to the agency within 45 calendar days of release confirmation and shall include, but not be limited to:

- (1) The name of the person(s) responsible for implementing the **free product removal** measures;
- (2) The estimated quantity, type, and thickness of **free product** observed or measured in wells, boreholes, and excavations;
- (3) The type of **free product** recovery system used;
- (4) Whether any discharge will take place on-site or off-site during the recovery operation and, if so, where this discharge will be located;
- (5) The type of treatment applied to, and the effluent quality expected in, any discharge;
- (6) The steps that have been or are being taken to obtain necessary permits for the discharge; and
- (7) The means of disposal and/or proposed disposition of the recovered **free product**.

NOTE

Authority cited: Sections 25299.3 and 25299.7, Health and Safety Code. Reference: Section 25295, Health and Safety Code; 40 CFR 280.64.

HISTORY

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R02438

RAFAT A. SHAHID, Assistant Agency Director

STID # 3643
October 28, 1994

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

Ms. Kathy Norris
Marketing Assistant
Chevron USA, Products Company
P.O. Box 5004
San Ramon, California 94583

Re: FIVE YEAR UNDERGROUND TANK PERMIT AT CHEVRON # 92029,
890 WEST MAC ARTHUR BLVD., OAKLAND, CA 94608

Dear Ms. Norris:

Please find enclosed a five year underground storage tank permit certificate. This permit is being issued for the site noted above, contingent upon the facility's compliance with all applicable underground tank monitoring requirements. These conditions are described in the revised Title 23, California Code of Regulations (C.C.R.) which became effective May 5, 1994. In order to maintain a valid permit, any deficiencies noted on the final underground tank inspection report or subsequent inspections, must be corrected. Below is a summary of the monitoring requirements for your facility:

1. Sections 2645 and 2646 - Inventory Reconciliation

- a) Record the daily variation by inventory reconciliation. This is the difference between the measured inventory in the tank and the calculated inventory. The calculated inventory shall be determined by adding the fuel inputs from deliveries and subtracting the day's sales withdraws. The deliveries are added to the gallons measured at the end of the previous day. The number of gallons sold is calculated from the pump meter, and subtracted from the physically measured inventory of the day before.

Meters or gauges used to measure in the tank inventory must be approved by this office. Commercial gauges and measuring devices should meet the standards in Title 4, Chapter 9, of the California Code of Regulations (C.C.R.) and be inspected by the County Department of Weights and Measures.

You are advised that where the highest anticipated groundwater may rise to less than 20 feet below the bottom of the tank Statistical Inventory Reconciliation (SIR-method) is required. This method requires the daily inventory reconciliation data to be evaluated by a third party certified statistical analyst.

Norris
October 28, 1994
Page 2 of 4

For manual inventory reconciliation your daily variations shall be summed for a period of one month. If monthly variations exceed 1% per cent of the monthly tank deliveries plus 130 gallons, a leak may be suspected. You must notify this office. An investigation as to the cause of excess variations must be conducted within 24 hours.

- b) Submit an annual statement to this office which states that all inventory reconciliation data are within allowable limits or list the times and corresponding variations when allowable limits were exceeded. This statement shall be executed under penalty of perjury.

Automatic liquid level sensors shall be certified to comply with the performance standards specified in Title 23, C.C.R. and subject to the limitations of the certification. Certification must be obtained by the manufacturer from an independent third party testing laboratory. The tester shall evaluate equipment by using the appropriate "EPA standard test procedure". If certification is received, the liquid level sensor may be used as part of an approved monitoring program. The State Water Resources Control Board has issued a guidance letter listing approved equipment.

2. Section 2643 - Non-visual Monitoring

- a) Monitoring of piping shall be conducted at least hourly, which is capable of alerting the operator when 3 gallons have leaked or a leak rate of three gallons per hour at 10 p.s.i. exists; and

Annual piping system integrity testing shall be conducted which is capable of detecting a minimum release of 0.1 gallon per hour at 1.5 (one and a one half times) normal operating pressure.

- b) Annual tank integrity testing shall be conducted which is capable of detecting a release of 0.1 gallon per hour at or above the maximum product level of the tank. Or
- c) Conduct one of the following monthly automatic tank gauging procedures:
 - 1) Once per calendar month after tank filling to within 10% of the highest operating level with the capability of detecting a release of 0.2 gallon per hour.

Norris
October 28, 1994
Page 3 of 4

- 2) Automatic tank gauge plus manual inventory reconciliation. Provided the gauge is capable of detecting a release of 0.1 gallon per hour during testing and product level in the tank is at least 3 feet.

Tank gauging equipment must have a 95% probability of detection and not more than a 5% probability of false alarm. In addition, it shall generate a hard copy of all data reported, including time and date; tank identification; fuel depth; water depth; temperature; liquid volume; the time automatic tank gauging is performed; and hourly temperature corrected volume data during the automatic tank test.

3. Section 2663 - Overfill Prevention

- a) Onsite personnel or the operator's agent must ensure that the volume of product or waste oil to be transferred into the tank before the transfer is made. Also the transfer process must be watched to prevent overfilling and spilling.
- b) Tank systems must maintain or upgrade by Dec. 22, 1998 to provide an approved spill container in good repair. Each spill container shall meet the requirements specified in section 2635 (c), of Title 23, (C.C.R.).

4. Section 2643 et. seq., Non-Visual Monitoring

- b) Maintain the monitoring equipment in good repair and service in accordance with the manufacturer's instruction. In a written plan, describe the training needed or the operation of both the tank system and monitoring equipment. Maintain the plan on site for review.

5. Section 2712 - Permit Conditions

- a) Retain all monitoring and maintenance records on-site or at a readily available location off-site, if approved by this agency, for a period of at least 3 years. These records must be made available, upon request within 36 hours, to the local agency or the Regional Water Quality Control Board.

The above listed requirements reflect the information currently on file and may not include deficiencies disclosed during routine inspections or changes that will result from tank and piping upgrading required by December 22, 1998. According to our most recent records, there are three 10,000 gallon fuel tanks on site.

Norris
October 28, 1994
Page 4 of 4

These tanks were reported as being single-walled fiberglass with single-wall piping. Spill basins are not present at the fill risers. Therefore your permit will expire December 22, 1994, unless secondary containment is installed and the tank system construction material is verified.

If you do not monitor by the program described above. Be advised your program must be approved and implemented as described for tanks and pipelines in the revised Title 23, C.C.R.. Please send a letter to this office notifying us of any changes in the monitoring methods.

Consult the revised Title 23, C.C.R. regarding any additional requirements. To obtain a copy of the regulations, you may contact the State Water Resources Control Board at 916-323-1262.

Should you have any questions or concerns regarding the contents of this letter, please call me at 510-567-6700.

Sincerely,



Kevin Tinsley
Hazardous Materials Specialist

cc: Edgar Howell, Chief (files - kt)
Gil Jensen, Alameda County District Attorney's Office

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R02438

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

September 11, 1991

Mr. Joseph Carreri
6601 Owens Dr. #155
Pleasanton, CA 94588

RE: Five Year Permit to Operate Three Underground Storage Tanks
at 890 W. MacArthur Blvd, Oakland, CA 94608

Dear Mr. Carreri:

Please find enclosed a five year permit to operate three underground storage tanks at the above facility. For this permit to be valid, you are required to comply with conditions as described in the recently revised California Code of Regulations, Title 23, Subchapter 16, Section 2712. These conditions are summarized below:

- 1) The owner or operator shall comply with the reporting and recording requirements for unauthorized releases specified in Article 5;
- 2) Written records of all monitoring and maintenance performed shall be maintained on-site or off-site at a readily available location, for a period of at least three (3) years. These records must be made available, upon request within 36 hours, to a representative of our office;
- 3) Permits may be transferred to new underground storage tank owners if the new underground storage tank owner does not change any conditions of the permit, the transfer is registered with our office within 30 days of the change in ownership, and the tank permit application forms are completed to show the changes. Our office may review, modify, or terminate the permit to operate the underground storage tank upon receiving the ownership transfer request;

Mr. Joseph Carreri
September 11, 1991
Page 2 of 3

The monitoring methods currently used at this facility are shown below:

- Tanks:
- a. Annual tank integrity tests.
 - b. Inventory reconciliation.
 - c. Annual summary reports of inventory reconciliation.
- Pipes:
- a. Annual pipeline tightness tests
 - b. Hourly in-line leak detection (red-jackets) that are performance tested annually.

If there are any changes made in the monitoring methods, equipment types, and/or procedures used to monitor tanks and pipes at this facility, you must:

1. Ensure the changed procedures will still meet the requirements of Article 4, Title 23, CCR.
2. Send written notification of the changes to this office.

Please note that the requirements for daily inventory reconciliation, summary reports, and potential leak investigations have been revised under the revised Title 23, CCR, effective August 9, 1991. The new requirements are shown below.

Section 2646 - Inventory Reconciliation

- a) The daily variation in inventory reconciliation shall be the difference between physically measured inventory in storage and the calculated inventory in storage. Monthly variations exceeding a variation of 1% of the monthly tank delivery plus 130 gallons must be investigated in accordance with this section.
- b) Submit on an ANNUAL basis, a statement to our office which states that all inventory reconciliation data are within allowable variations or which includes a list of the period of times and corresponding variations which exceed the allowable variations. Said statement shall be executed under penalty of perjury.

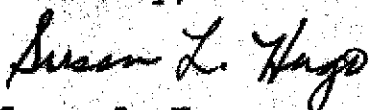
Mr. Joseph Carreri
September 11, 1991
Page 3 of 3

You may find enclosed a sample worksheet to record the daily reconciliation, and to perform the potential leak investigation when monthly variations are too large. Please also note that after January 1, 1993, inventory reconciliation, and any other leak detection method that utilizes manual stick readings, shall NOT be used as a monitoring method where the existing ground water level or the highest anticipated ground water level is less than 20 feet below the bottom of the tank.

Consult the revised Title 23, CCR for additional requirements. To obtain a copy of the amended regulations, you may contact State Water Resources Control Board at (916) 324-1262.

Should you have any questions or concerns regarding the contents of this letter, please don't hesitate to contact either Rob Weston or myself at (510) 271-4320.

Sincerely,



Susan L. Hugo
Hazardous Materials Specialist

cc: Mike Vomund, Chevron U.S.A.
Cathy Gates, Alameda County Dept. of Environmental Health
Files

SH:CG:cg man35
enclosures



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

August 12, 1991

Mr. Joseph Carreri
890 W. MacArthur Blvd.
Oakland, CA 94608

Re: Chevron #92029, 890 W. MacArthur Blvd., Oakland

NOTICE OF VIOLATION

Dear Mr. Carreri,

As you are aware, on August 8, 1991, Cathy Gates from this office inspected the above premises with regard to issuance of a 5-year permit to operate three underground storage tanks (UST's). Our records indicate that the above facility is operating without any Underground Storage Tank Permits. In order to comply with California Hazardous Material and UST laws, and attain valid UST permits, you must comply with the following:

- 1) Section 25298 CH&S - Determine whether any underground tanks in addition to the three fuel tanks exist beneath the grade. Our records show a waste oil tank was installed at this facility in 1991, but we have no records of tank removal. During the inspection by Ms. Gates, two separate access pipes were noted at positions inconsistent with any connection to known tanks. One of these was locked and had oil stains on it, indicating it may be a waste oil fill pipe. Please provide explanations for the purpose of each of these accesses by August 22, 1991. If the waste oil tank was removed, provide evidence of proper closure.

If additional tanks do exist at this site, they must be either a) monitored according to Title 23 requirements, or b) removed. Please indicate which alternative you will be using, and a schedule for when and how requirements will be met.

- 2) Section 2641(e), (f) Title 23, CCR - Please submit quarterly reports to this agency within 10 days of the end of each quarter. Use the summary form provided

Mr. Joseph Carreri
August 12, 1990
Page 2 of 2

during the inspection. This form provides space for explanations of discrepancies for each date that exceeds the maximum allowable variance. You must provide explanations for each listed date which demonstrate that the required steps were followed to prove a leak had not occurred. (These steps are stated in 2644(f)(1-7), Title 23, CCR and on the back of the provided form.)

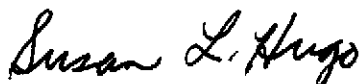
Initially, submit this report for July 15 through August 15 only, along with copies of daily logs by August 22, 1991. In October, begin using the normal quarterly schedule; i.e. include July, August, and September for the third quarter report, and submit the next quarterly summary for Oct. - Dec., 1991 by January 10, 1992.

- 5) Sec. 2712, Title 23, CCR - All monitoring records must be kept on-site for at least 3 years. In addition to daily inventory reconciliation and quarterly summary reports, this should include precision tests, records for equipment repair, and any other pertinent records. Please provide written verification that these records will be maintained by August 22, 1991.

Please submit the above materials no later than August 22, 1991. Failure to respond in a timely manner could result in civil liabilities under the Health and Safety Code.

Should you have any questions regarding this letter, please feel free to contact Cathy Gates at (415) 271-4320.

Sincerely,



Susan L. Hugo, HMS
Hazardous Materials Division

cc: Gil Jensen, Alameda County District Attorney, Consumer and
Environmental Protection Division
Mike Vomund, Chevron U.S.A.
files

SH:CG:cg mem24