CAMBRIA

10/46

March 30, 2007

Barney Chan Alameda County 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

Re: Project Manager Contact Change Former Chevron Service Station 92506 2630 Broadway Oakland, CA

0

Dear Barney Chan,

On behalf of Chevron Environmental Management Company (Chevron), Cambria Environmental Technology, Inc. (Cambria) is writing to inform you of management changes regarding the referenced site.

The Chevron project manager is changing from Dana Thurman to Tom Bauhs

 Mr. Tom Bauhs, Chevron Environmental Management Company, K2204, 6001 Bollinger Canyon Rd, San Ramon, CA 94583, (925) 842-3334, <u>tbauhs@chevron.com</u>

Please note these changes, effective immediately, for future correspondence. Thank you for your assistance.

Sincerely, Cambria Environmental Technology, Inc.

Judith Moore

Office Administrator

cc: Tom Bauhs, Chevron Environmental Management Company

Cambria Environmental Technology, Inc.

2000 Opportunity Drive Suite 110 Roseville, CA 95678 Tel (916) 677-3407 Fax (916) 677-3687

ALAMEDA COUNTY HEALTH CARE SERVICES



AGENCY DAVID J. KEARS, Agency Director

October 16, 2006

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

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

Dear Mr. Thurman

Subject: Fuel Leak Case No. RO 0000146, Chevron Service Station #9-2506, 2630 Broadway, Oakland, CA

Alameda County Environmental Health (ACEH) staff has recently reviewed the case file and the Workplan for Additional Investigation, dated September 28, 2006, prepared by Cambria Environmental for the subject site. This work plan follows the County's rejection of the revised Investigation Workplan, November 15, 2005, by Cambria and subsequent petition and drop of petition to the State Water Resources Control Board. The September 2006 work plan also includes a Site Conceptual Model and the 1st Semi-Annual Monitoring report for 2006. The work plan proposes drilling eight (8) Geoprobe borings and proposes sampling and analysis of depth discrete soil and groundwater from the borings. We note that several technical comments from prior letters are still outstanding. In an effort to provide the most complete guidance as possible, we request that you address the following technical comments prior to performing the proposed work.

TECHNICAL COMMENTS

 Site Characterization and Source Characterization- The April 24, 2003 and November 28, 2005 letters from our office requested that Chevron provide a work plan to complete both source and site characterization. Your November 15, 2005 Cambria work plan proposed SB-1 in the approximate location of former sample P7. The current 9/28/06 work plan doesn't describe a boring in this area, although SB-1 is noted on Figure 2. Additional investigation in the area of former P8 is also warranted due to elevated MTBE concentrations left in this location. Note your SCM states that the residual TPHg and MTBE require additional definition. Please provide a work plan addendum for additional sampling (e mail is acceptable) as requested below.

Your SCM identifies potential data gaps and work necessary to fill the data gaps. We concur with the data gaps and believe it would be wise to address them into the work plan addendum. The preferential pathway study identified the potential for utility trenches to intercept the groundwater contaminant plume and borings along Broadway and 26th Streets were recommended. It appears that some of the proposed off-site borings are down-gradient of the utilities and would not identify if the utilities are acting as a preferential pathway. To illustrate this potential, your SCM proposes plotting the utilities on the cross-sections, of which we concur.

Mr. Dana Thurman October 13, 2006 Page 2 of 4

Please provide a work plan addendum with revised boring locations (e mail is acceptable) as requested below.

- Monitoring Well Proposal- Please submit as requested below, a proposal for additional monitoring wells using the data of your soil and groundwater investigation. We request that after new wells are installed, groundwater monitoring be performed on a quarterly basis.
- 3. Monitoring of well B-2, Status of TP-1 and TP-2- Our April 24, 2003 letter requested that you include well B-2 in your sampling schedule. Please include this well in your next sampling event. Please confirm the status of tank pit wells TP-1 and TP-2. If these wells were not decommissioned during the tank removal, please do so immediately to remove potential conduits.
- 4. Prior 1982 Tank Removal- Please confirm these former tank locations. Are we correct in assuming these tanks were located in the same location as those removed in 1998?

TECHNICAL REPORT REQUEST

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

- November 15, 2006-Work plan addendum
- 60 days after completion of site investigation- Soil and Groundwater Report
- 60 days after completion of site investigation- Monitoring Well Installation Work Plan

This report is 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

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

Mr. Dana Thurman October 13, 2006 Page 3 of 4

wells, and <u>other</u> 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 (<u>http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting</u>).

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.

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.

Mr. Dana Thurman October 13, 2006 Page 4 of 4

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

Sincerely,

Barrey MCham

Barney M. Chan Hazardous Materials Specialist

cc: files, D. Drogos Mr. David Herzog, Cambria Environmental, 2000 Opportunity Drive, Ste. 110, Roseville, CA 95678

10_13_06 2630 Broadway

ALAMEDA COUNTY HEALTH CARE SERVICES



AGENCY DAVID J. KEARS, Agency Director

October 16, 2006

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Mr. Dana Thurman October 13, 2006 Page 4 of 4

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

Sincerely,

Barrex MChan

Barney M. Chan Hazardous Materials Specialist

cc: files, D. Drogos Mr. David Herzog, Cambria Environmental, 2000 Opportunity Drive, Ste. 110, Roseville, CA 95678

10_13_06 2630 Broadway

CAMBRIA

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Fax

To:	Barney Chan
Company:	Alameda County Environmental Health
	Services
Fax:	(510) 337-9335
Phone:	(510) 567-6700
-	
	Leon Gearhart
Phone:	(916) 677-3407 ext. 115
Phone:	
From: Phone: Pages: Date:	(916) 677-3407 ext. 115

Hard Copy to Follow? Yes O No O

Barney,

Attached is the Well Completion Release Agreement needed to complete the Well Survey for the Former Chevron Station #9-2506, 2630 Broadway, Oakland, CA. Can you please complete and fax this form to me at (916) 677-3687. Please let me know if you have any questions or comments.

Leon Gearhart Staff Scientist Cambria Environmental Technology (916) 677-3407 ext. 115

This fax transmittal is intended solely for use by the person or entity identified above. Any copying or distribution of this document by anyone other than the intended recipient is strictly prohibited. If you are not the intended recipient, please telephone us immediately and return the original transmittal to us at the address listed below.

Cambria Environmental Technology, Inc. 4111 Citrus Avenue, Suite 9, Rocklin, CA 95677 Tel (916) 630-1655 Fax (916) 630-1655

STATE OF CALIFORNIA - THE RESOURCES AGENCY

CENTRAL DISTRICT 3251 S Street Sacramento, CA 95816 (916) 227-7632 (916) 227-7600(Fax)

DEPARTMENT OF WATER RESOURCES NORTHERN DISTRICT 2440 Main Street Red Bluff, CA 96080 (530) 529-7300 (530) 529-7322 (Fax)

SAN JOAQUIN DISTRICT 3374 East Shields Avenue Fresho, CA 93726 (559) 230-3300 (559) 230-3301 (Fax)

SOUTHERN DISTRICT 770 Fairmont Avenue Glendale, CA 91203 (818) 543-4600 (818) 543-4604 (Fax)

ARNOLD SCHWARZENEGGER, Governor

WELL COMPLETION REPORT RELEASE AGREEMENT-AGENCY

(Government and Regulatory Agencies and their Authorized Agents)

Project/Contract No. 9-2506 ALAme04 County

<u>//2mpter</u>Radius Township, Range, and Section 2630 BROMOWING, OAKLAND, CA

(Must include entire study area and a map that shows the area of interest.)

Under California Water Code Section 13752, the agency named below requests permission from Department of Water Resources to inspect or copy, or for our authorized agent named below to inspect or copy, Well Completion Reports filed pursuant to Section 13751 to (check one):



Make a study, or,



Perform an environmental cleanup study associated with an unauthorized release of a contaminant within a distance of 2 miles.

In accordance with Section 13752, information obtained from these reports shall be kept confidential and shall not be disseminated, published, or made available for inspection by the public without written authorization from the owner(s) of the well(s). The information shall be used only for the purpose of conducting the study. Copies obtained shall be stamped CONFIDENTIAL and shall be kept in a restricted file accessible only to agency staff or the authorized agent.

CAMBREA EVITAGENTAL	<u>Alameda County Environmental Health</u> Government or Regulatory Agency
<u>2000 0888€71₩579 08. ₩10</u> Address	1131 Harbor Bay Parkway Address
City, State, and Zip Code	Alameda (A 94502 City, State, and Zip Code
Signature LEON GENERALT Title STARE SCRUNTERT	Signature Barney Cha- Title Hazardow Materials Specialist
Telephone (916) 677-3407	Telephone (5/0) 567~6765
Fax (916) 677-3687	Fax (5/0) 337-9335
Date2-21-06	Date 2-21-06
E-mail LGGACHACT & CAMBRET -ENV. CUM	E-mail Famey. Chan @ acgov, or c 6 June 2001

TOTAL P.02

TRANSMISSION VERIFICATION REPORT

: 02/21/2006 14:57 : ALAMEDA COUNTY DEH TIME NAME FAX 5103379335 5105676700 SER.# : BROK4J137311

TEL

DATE, TIME FAX NO. /NAME DURATION PAGE(S) RESULT MODE

02/21 14:56 19166773687 00:00:29 01 OK STANDARD ECM

FEB-21-2006 11:46

P.02/02

STATE OF CALIFORNIA - THE RESOURCES AGENCY		ARNOLD SCHWARZENEGGER, Governor	
DEPARTMENT OF CENTRAL DISTRICT 3251 S Street Sacramento, CA 95816 (916) 227-7632 (916) 227-7600(Fax)	WATER RESOURCES NORTHERN DISTRICT 2440 Main Street	SAN JOAQUIN DISTRICT 3374 East Shields Avenue Frasno, CA 93726 (559) 230-3300 (559) 230-3301 (Fax)	SOUTHERN DISTRICT 770 Fairmont Avenue Glendale, CA 91203 (818) 543-4600 (818) 543-4604 (Fax)

WELL COMPLETION REPORT RELEASE AGREEMENT -- AGENCY

(Government and Regulatory Agencies and their Authorized Agents)

County Project/Contract No. 9-2506 ALAMEDA

1

Kenne Radius Township, Range, and Section 2630 Because, Ockland, CA.

(Must include entire study area and a map that shows the area of interest.)

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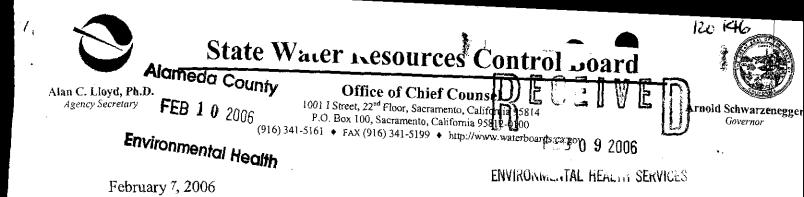
Parform an environmental cleanup study associated with an unauthorized release of a contaminant within a distance of 2 miles.

In accordance with Section 13752, information obtained from these reports shall be kept confidential and shall not be disseminated, published, or made available for inspection by the public without written authorization from the owner(s) of the well(s). The information shall be used only for the purpose of conducting the study. Copies obtained shall be stamped CONFIDENTIAL and shall be kept in a restricted file accessible only to agency staff or the authorized agent.

CAMBREA	ENVERONMONTAL
Authorized	

Alameda County Environmental Health Government or Regulatory Agency

1131 H.L. R. Portano



Mr. Daud W. Herzog, P.G. Cambra Environmental Technology, Inc. 2000 Opportunity Dr., Suite 110 Ros/ville, CA 95678

Dar Mr.Herzog:

PETITION OF CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY FOR REVIEW OF ALAMEDA COUNTY'S DIRECTIVE TO PREPARE A WORKPLAN ADDENDUM FOR INVESTIGATION OF FORMER CHEVRON STATION AT 2630 BROADWAY, OAKLAND, CALIFORNIA: WITHDRAWAL OF PETITION SWRCB/OCC FILE PO6-228

The State Water Resources Control Board (State Water Board) received a petition dated December 29, 2005, that you filed on behalf of Chevron Environmental Management Company (Chevron). The petition requests State Water Board review of Alameda County's determination that the Investigation Workplan prepared by your company for the above-cited location needs to be revised to contain a different investigative approach.

This is to confirm the State Water Board's receipt of your letter dated January 31, 2006, that was submitted on behalf of Chevron and states that the petition is withdrawn.

If you have any questions about this matter, please call me at (916) 341-5184.

Sincerely,

Katuleen a Kalser

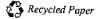
Kathleen A. Keber Senior Staff Counsel

 cc: Mr. Dana Thurman Chevron Environmental Management Company
 6001 Bollinger Canyon Road, K2236 P.O. Box 6012 San Ramon, CA 94583

Mr. Chuck Headlee [via email only San Francisco Bay Regional Water Quality Control Board 1515 Clay Street, Suite 1400 Oakland, CA 94612

Continued next page

California Environmental Protection Agency



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EGEL

ENVIRONMENTAL HEALTH SERVICES

January 31, 2006

Ms. Kathleen A. Keper, Esq. Senior Staff Counse State Water Resource Control Board P.O. Box 100 Sacramento, CA 95812-0100

Re: Petition of Chevron Environmental Management Company for Review of Alameda County's Directive to Prepare a Workplan Addendum for Investigation of Former Chevron Station at 2630 Broadway, Oakland, California: SWRCB/OCC FILE PO6-228

Dear Ms. Keber:

On behalf of Chevron Environmental Management Company (Chevron), Cambria Environmental Technology, Inc. (Cambria) has prepared this response to the State Water Resources Control Board (SWRCB) letter dated January 19, 2006 (attached). After considering a discussion of this matter in a phone call between Mr. Kevin Graves of the SWRCB and Mr. David Herzog of Cambria, we would like to rescind the non-closure petition submitted to the SWRCB on December 29, 2005. If you have any questions, please do not hesitate to contact me at (916) 677-3407 (ext. 112).

Sincerely,

CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC.

David W. Herzog, **P.O.** Senior Project Geologist

Attachment: SWRCB January 19, 2006 letter

- cc: Mr. Dana Thurman, Chevron Environmental Management Company, P.O. Box 6012, K2236, San Ramon, CA 94583
 - Mr. Barney Chan, Alameda County Environmental Health Services, 1311 Harbor Bay Parkway, Suite 250, Alameda, CA 94502
 - Mr. Chuck Headlee, San Francisco Bay Regional Water Quality Control Board, 1515 Clay Street, Suite 1400, Oakland, CA 94612
 - Mr. Kevin Graves, State Water Resources Control Board Division of Water Quality, P.O. Box 2231, Sacramento, CA 95812.

Cambria File



CAMBRIA

Cambria Environmental Technology, Inc.

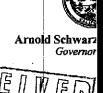
4117 Citrus Avenue Suite 9 Rocklin, CA 95677 Tel (916) 630-1855 Fax (916) 630-1856

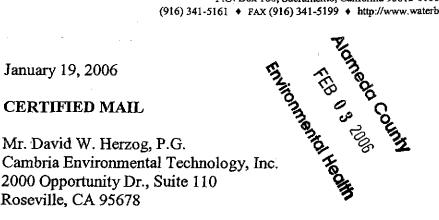


State Water Resources Control Board

Alan C. Lloyd, Ph.D. Agency Secretary

Office of Chief Counsel 1001 I Street, 22nd Floor, Sacramento, California 95814 P.O. Box 100, Sacramento, California 95812-0100 (916) 341-5161 + FAX (916) 341-5199 + http://www.waterboards.ca.gov





Dear Mr. Herzog:

Roseville, CA 95678

January 19, 2006

CERTIFIED MAIL

Mr. David W. Herzog, P.G.

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The State Water Resources Control Board (State Water Board or Board) received a petition dated December 29, 2005, that you filed on behalf of Chevron Environmental Management Company (Chevron). The petition requests State Water Board review of Alameda County's (County) determination that the Investigation Workplan prepared by your company for the above-cited location needs to be revised to contain a different investigative approach.

Although not explicitly stated in your petition, it appears that you are requesting review pursuant to State Water Board Resolution No. 88-23. This Resolution establishes the procedure for filing a petition requesting State Water Board review of an action or failure to act by an agency participating in the Local Oversight Program.

Pursuant to the Resolution, and in order to complete your petition, please submit a list of persons, if any, other than Chevron, who are known by Alameda County to have an interest in the subject matter of the petition. The list should be obtained from the County. In addition, please send the County a request to prepare its record regarding this matter and to submit it to the State Water Board. A copy of this request must be sent to the State Water Board.

These amendments to the petition should be sent within 20 days of the date of this letter to:

Kathleen Keber, Esq. State Water Resources Control Board P.O. Box 100 Sacramento, CA 95812-0100

Mr. David W. Herzog, P.G.

- 2 -

January 19, 2006

Finally, please note that the petition was received by the State Water Board on January 5, 2006. Thus it was not received within 30 days of the County's action that is contained in a letter dated November 28, 2005. Pursuant to Resolution No. 88-23, the Board will not accept any petition received after the 30 day period for filing petitions. The State Water Board may, however, on its own motion review a local agency's action. The decision whether to review the petition on the Board's own motion will be made after reviewing the relevant submittals.

If you have any questions about this matter or need additional time to complete the petition, please call me at (916) 341-5184.

Sincerely,

Kathlen & Kiber

Kathleen A. Keber Senior Staff Counsel

cc: Mr. Dana Thurman Chevron Environmental Management Company 6001 Bollinger Canyon Road, K2236 P.O. Box 6012 San Ramon, CA 94583

> Mr. Barney Chan Alameda County Environmental Health Service 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502

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State Water Resources Control Bard



Governor

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The State Water Resources Control Board (State Water Board or Board) received a petition dated December 29, 2005, that you filed on behalf of Chevron Environmental Management Company (Chevron). The petition requests State Water Board review of Alameda County's (County) determination that the Investigation Workplan prepared by your company for the above-cited location needs to be revised to contain a different investigative approach.

Although not explicitly stated in your petition, it appears that you are requesting review pursuant to State Water Board Resolution No. 88-23. This Resolution establishes the procedure for filing a petition requesting State Water Board review of an action or failure to act by an agency participating in the Local Oversight Program.

Pursuant to the Resolution, and in order to complete your petition, please submit a list of persons, if any, other than Chevron, who are known by Alameda County to have an interest in the subject matter of the petition. The list should be obtained from the County. In addition, please send the County a request to prepare its record regarding this matter and to submit it to the State Water Board. A copy of this request must be sent to the State Water Board.

These amendments to the petition should be sent within 20 days of the date of this letter to:

Kathleen Keber, Esq. State Water Resources Control Board P.O. Box 100 Sacramento, CA 95812-0100

California Environmental Protection Agency



Mr. David W. Herzog, P.G.

- 2 -

January 19, 2006

Finally, please note that the petition was received by the State Water Board on January 5, 2006. Thus it was not received within 30 days of the County's action that is contained in a letter dated November 28, 2005. Pursuant to Resolution No. 88-23, the Board will not accept any petition received after the 30 day period for filing petitions. The State Water Board may, however, on its own motion review a local agency's action. The decision whether to review the petition on the Board's own motion will be made after reviewing the relevant submittals.

If you have any questions about this matter or need additional time to complete the petition, please call me at (916) 341-5184.

Sincerely,

Kathlen & Kiber

Kathleen A. Keber Senior Staff Counsel

 cc: Mr. Dana Thurman Chevron Environmental Management Company
 6001 Bollinger Canyon Road, K2236 P.O. Box 6012 San Ramon, CA 94583

> Mr. Barney Chan Alameda County Environmental Health Service 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502

Mr. Chuck Headlee [via email only San Francisco Bay Regional Water Quality Control Board 1515 Clay Street, Suite 1400 Oakland, CA 94612

Mr. Kevin Graves [via email only] State Water Resources Control Board Division of Water Quality P.O. Box 2231 Sacramento, CA 95812

California Environmental Protection Agency



December 29, 2005

Mr. David Boyers State Water Resources Control Board Office of Chief Counsel 1001 I Street, 22nd Floor Sacramento, California 95814



Re: Non-Closure Petition Involving Local Oversight Program (LOP) Agency Oversight of UST Case Re146 Former Chevron Station #9-2506 2630 Broadway Oakland, California

Dear Mr. Boyers:

CAMBRIA

Cambria Environmental Technology, Inc. (Cambria), on behalf of Chevron Environmental Management Company (Chevron), has prepared this non-closure petition involving an LOP agency in regards to an issue raised in the attached workplan response letter for the above referenced site (Figure 1) from Alameda County Environmental Health Services (ACEHS) dated November 28, 2005 (Attachment A). In the ACEHS letter, the County did not concur with the proposed investigative approach, which was to install three additional monitoring wells and one soil boring in agreement with on-going, previously approved assessment work at this site. The ACEHS requested in their letter under section 1 of the Technical Comments a revised workplan based on the approach of drilling boring transects to collect and evaluate detailed depth discrete soil and groundwater data. Cambria is requesting that the State Water Resources Control Board (SWRCB) review the decision of the ACEHS to disregard the accepted practice of monitoring wells as an investigative approach in favor of boring transects, and to make a determination if this approach of boring transects represents a change in State policy.

Background

In 1982, a leak was detected in the UST system at this site (Figure 2). In response, the UST system was replaced and eight groundwater monitoring wells were installed following accepted site assessment practices. In 1994, four additional perimeter monitoring wells were installed, including wells B-10 through B-12 installed in the downgradient directions, which were in the northwest to east directions. Except for a couple anomalous reported trace concentrations, these downgradient wells have been non-detect for the constituents of concern at the site. In 1998, the former station was closed and all facilities were removed. Starting in 1999 following station removal, groundwater flow beneath the site shifted to the southwest to southeast directions, which

Cambria Environmental Technology, Inc.

4111 Citrus Avenue Suite 12 Rocklin, CA 95677 Tel (916) 630-1855 Fax (916) 630-1856

CAMBRIA

Mr. David Boyers December 29, 2005

have remained the predominant flow directions. Based on this change the site was no longer defined in the downgradient direction. To complete delineation of the downgradient extent of groundwater impact, Cambria prepared and submitted the November 15, 2005, workplan referenced in the attached ACEHS letter.

Discussion



The initial installation of monitoring wells to evaluate the extent of groundwater impact at this site followed accepted practices, and was supported by subsequent investigation guidelines set forth in the Tri-Regional Board Staff Recommendations (CVRWQCB, 1990) that were prepared in part by staff of the San Francisco Bay Regional Water Quality Control Board. Because this has been common practice, the ACEHS refers to this approach of site assessment as "cookbook" (Drogos, 2003), which they believe to be insufficient. In their opinion the cookbook approach is not detailed enough and results in poor site characterization. Although Cambria does not completely disagree with the ACEHS opinion, this cookbook approach has produced defensible data that has been and is currently accepted by agencies throughout the State for the evaluation and closure of UST sites. The preference of one investigative method over another or a bias toward the reliability of data from various approaches is not specified in the California Health and Safety Code, Division 20, Chapter 6.7 (July 7, 2003), or California Code of Regulations, Title 23, Chapter 16, Article 11 (October 13, 2005).

References

Central Valley Regional Water Quality Control Board (CVRWQCB), 1990, *Tri-Regional Board Staff Recommendations for Preliminary Investigation and Evaluation of Underground Tank Sites*. CVRWQCB, August 10, 1990 (www.waterboards.ca.gov/centralvelley/available_documents/ ug tanks/usttri-reg.pdf).

Drogos, D.L. and M.D. Einarson, 2003, Alameda County Site Characterization Matrix – Making the SCM Approach More Than Just a Concept. 15th UST/LUST National Conference, March 2003 (www.acgov.org/aceh/lop/scm presentation.pdf).

CAMBRIA

Mr. David Boyers December 29, 2005

Closing

Cambria believes that the three proposed monitoring wells and additional soil boring are sufficient and appropriate to effectively evaluate and support closure of this site. Cambria is requesting that the SWRCB provide a decision on whether the ACEHS can disregard previous monitoring well data collected by accepted practices at this site in favor of the requested boring transect course of action.



If you have any questions or require additional information, please do not hesitate to contact me at (916) 630-1855 (ext 112).

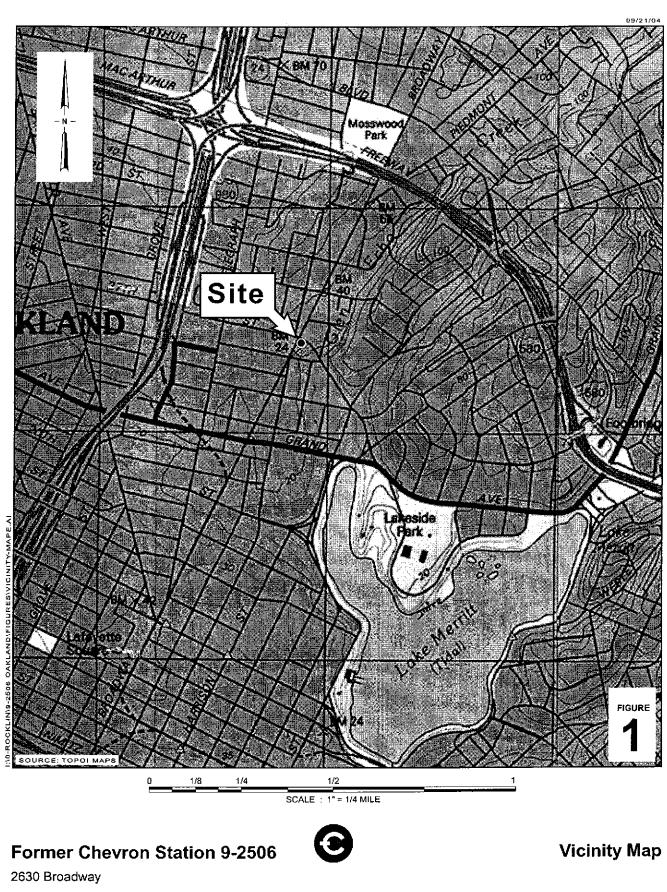
Sincerely, Cambria Environmental Technology, Inc.

David W. Herzog, P.G. 7211 Senior Project Geologist

Figures: 1 – Vicinity Map 2 – Site Plan with Proposed Well Locations

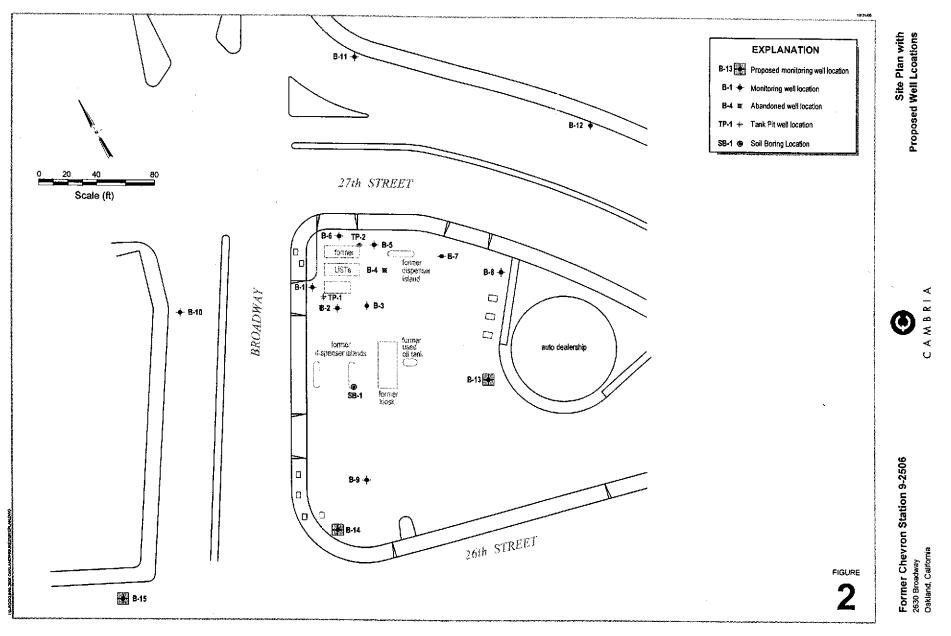
Attachments: 1 – ACEHS November 28, 2005 Letter

cc: Mr. Dana Thurman, Chevron Environmental Management Company, 6001 Bollinger Canyon Road, K2236, P.O. Box 6012, San Ramon, CA 94583 Mr. Kevin Graves, State Water Resources Control Board, Division of Water Quality, P.O. Box 2231, Sacramento, CA 95812 Mr. Chuck Headlee, San Francisco Bay Regional Water Quality Control Board, 1515 Clay Street, Suite 1400, Oakland, CA 94612 Mr. Barney Chan, Alameda County Environmental Health Services, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502 Ms. Donna Drogos, Alameda County Environmental Health Services, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502



Oakland, California

CAMBRIA



Attachment A

ACEHS November 28, 2005 Letter

Mr. Dana Thurman November 28, 2005 Page 2 of 4

sampling program for the site". We request that after new wells are installed, groundwater monitoring be on a quarterly basis.

- 3. Monitoring Well B-3- We are pleased to be informed that this well will be redevelopment and included in your sampling program.
- 4. Preferential Pathway Survey- We are pleased that you propose to perform and utility survey and a sensitive receptor survey. 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 provide your suvey as requested below as well as your interpretation or proposal to investigate the pathways and receptors.
- 5. Prior 1982 Tank Removal- We understand that no report exists and no sampling occurred during these tank removals. Please confirm these former tank locations. Are we correct in assuming these tanks were located in the same location as those removed in 1998?
- 6. Site Conceptual Model- It appears as early as March 12, 2001 a SCM evaluation was promised. As you are aware, the SCM is needed to understand the likely release scenario and direct a focused investigation. Though we approve the prior numbered items, we request that the data generated be incorporated into a SCM, preferably electronic and submitted as requested below.

TECHNICAL REPORT REQUEST

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

- December 30, 2005-Work plan addendum
- December 30, 2005- Second semi-annual monitoring report including well B-3
- December 30, 2005- Sensitive Receptor and Preferential Pathway report & confirmation of 1982 UST locations
- 60 days after completion of site investigation- Soil and Groundwater Report
- 90 days after completion of site investigation- Site Conceptual Model

This report is 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,

ALAMEDA COUNTY HEALTH CARE SERVICES





DAVID J. KEARS, Agency Director

AGENCY

November 28, 2005

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

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

Dear Mr. Thurman

Subject: Fuel Leak Case No. Chevron Service Station #9-2506, 2630 Broadway, Oakland, CA

Alameda County Environmental Health (ACEH) staff has recently reviewed the case file and the Investigation Workplan (revised), dated November 15, 2005, prepared by Cambria Environmental for the subject site, which replaces the prior September 24, 2004 work plan. This work plan proposes the installation of three (instead of two) additional monitoring wells and a boring in the area of former sample, PX7-9', to define the lateral and vertical extent of the hydrocarbon plume. At this time, we do not concur with this investigative approach, as your Site Conceptual Model (SCM) and other significant reports have not been provided. Our September 13, 2005 stated our concern over these items. We have reviewed the files and past directive letters from our agency and request that you address the following technical comments when performing the requested work and submit the technical reports requested below.

TECHNICAL COMMENTS

- 1. Site Characterization and Source Characterization- The April 24, 2003 letter from our office requested that Chevron provide a work plan to complete this characterization, however, we believe the proposed work is not sufficient to accomplish this task. The work plan correctly identifies the former USTs and southern dispenser islands as the likely residual source areas, however, only one boring, SB-1, is proposed to investigate these areas. Though where SB-1 is proposed had the highest residual TPHg, we note the other dispenser areas are where the highest MTBE was detected. The three monitoring wells proposed are located south of the source areas, while the gradient, although variable, appears to have a significant northwesterly component. A preferred approach is the drilling of boring in transects down-gradient of the source areas and the collection of depth discrete soil and groundwater samples. Monitoring well locations should then be based upon this information and can be determined and installed during the same time. Please provide a work plan addendum (e mail is acceptable) as requested below.
- 2. Groundwater Monitoring Frequency- The County's April 24, 2003 letter noted elevated MTBE concentrations in well B-1 and requested the semi-annual sampling be changed to quarterly sampling. It appears this request was never done. Within the Proposed Scope of Work in the November 15, 2005 revised work plan, groundwater monitoring and sampling is stated to be continued on a semi-annual basis. However, in the Well Development and Groundwater Sampling section, it states that Gettler-Ryan will include wells "in routine quarterly monitoring and

Mr. Dana Thurman November 28, 2005 Page 2 of 4

sampling program for the site". We request that after new wells are installed, groundwater monitoring be on a quarterly basis.

- 3. Monitoring Well B-3- We are pleased to be informed that this well will be redevelopment and included in your sampling program.
- 4. Preferential Pathway Survey-We are pleased that you propose to perform and utility survey and a sensitive receptor survey. 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 provide your suvey as requested below as well as your interpretation or proposal to investigate the pathways and receptors.
- 5. Prior 1982 Tank Removal- We understand that no report exists and no sampling occurred during these tank removals. Please confirm these former tank locations. Are we correct in assuming these tanks were located in the same location as those removed in 1998?
- 6. Site Conceptual Model- It appears as early as March 12, 2001 a SCM evaluation was promised. As you are aware, the SCM is needed to understand the likely release scenario and direct a focused investigation. Though we approve the prior numbered items, we request that the data generated be incorporated into a SCM, preferably electronic and submitted as requested below.

TECHNICAL REPORT REQUEST

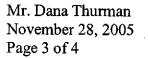
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- 60 days after completion of site investigation- Soil and Groundwater Report
- 90 days after completion of site investigation- Site Conceptual Model

This report is 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. 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, (<u>http://www.swrcb.ca.gov/ust/cleanup/electronic reporting</u>) for more information on these requirements.

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.

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

Mr. Dana Thurman November 28, 2005 Page 4 of 4

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,

wer M Cha

Barney M. Chan Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: files, D. Drogos Mr. David Herzog, Cambria Environmental, 4111 Citrus Ave., Suite 12, Rocklin, CA 95677

11_28_05 2630 Broadway

CAMBRIA

Mr. Don Hwang Alameda County Health Care Services Agency 1131 Harbor Bay Parkway Alameda CA, 94502 Alemeda County JAN 2 3 2004

ROITE

Re: Change of Environmental Project Managers Chevron Environmental Management Company Cambria Environmental Technology, Inc. Site #: 9-2506, 2630 Broadway, Oakland



Dear Mr. Hwang:

This letter is submitted by Cambria Environmental Technology, Inc. (Cambria) on behalf of Chevron Environmental Management Company (Chevron) to notify your agency that a change of environmental project management for this site occurred on January 1, 2004. In the future kindly direct all correspondence relating to environmental project management to:

Mr. Bruce Eppler Cambria Environmental Technology, Inc. 4111 Citrus Avenue, Suite 9 Rocklin, CA 95677 Email beppler@cambria-env.com

The new Chevron contact for copies of correspondence for this site will be:

Ms. Karen Streich Project Manager Chevron Environmental Management Company 6001 Bollinger Canyon Rd. P.O. Box 6012 San Ramon, CA 94583-2324

Mr. Don Hwang - 2 -

Thank you for your cooperation and please call (916) 630-1855 ext. 102 with any questions.

¥.

Sincerely, Cambria Environmental Technology, Inc.

Bruce H. Eppler Project Manager

cc Karen Streich David Charter

ALAMEDA COUNTY HEALTH CARE SERVICES



DAVID J. KEARS, Agency Director

AGENCY

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

April 24, 2003

Karen Streich, Project Manager Chevron Products Co. Site Assessment & Remediation 6001 Bollinger Canyon Rd., V1132 PO Box 6004 San Ramon, CA 94583-0904

Dear Ms. Streich:

Subject: Fuel Leak Case No. RO0000146, Chevron Service Station #9-2506, 2630 Broadway, Oakland, CA

Alameda County Environmental Health staff has reviewed "2nd Semi-Annual Event of August 21, 2002, Groundwater Monitoring and Sampling Report" dated October 1, 2002. We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below.

TECHNICAL COMMENTS

- 1. Site Characterization The lateral and vertical extent of your dissolved contaminant plumes is undefined south of the tanks. Up to 7,200 ug/l methyl tertiary-butyl ether (MTBE) had been detected in monitoring well B-3 and the last two times it was sampled, in 2001 and 2002, the concentrations were 3,370 ug/l and 3,230 ug/l, respectively. Up to 110,000 ug/l TPH-G and 3,600 ug/l benzene have been detected in monitoring well B-4. The last sampling event in 1994 found 17,000 ug/l TPH-G and 400 ug/l benzene. Using the results of your preferential pathway survey requested below, indicate your proposal to define the plumes associated with your site in the Work Plan requested below.
- 2. Source Characterization Up to 1,190 mg/kg TPH-G was detected in contaminated soil collected beneath the dispensers after over excavation. Up to 110 mg/kg Oil & Grease was detected beneath the former used oil tank location. The source areas have not been delineated. We request that you propose borings to delineate the lateral and vertical extent of soil contamination in the source area(s). Also, up to 90 mg/kg TPH-G was detected in boring B-9. Please propose additional boring locations in the Work Plan requested below.

Ms. Streich April 24, 2003 Page 2 of 3

- 3. Groundwater Monitoring Frequency Currently, the scheduled sampling frequency is semiannual. However, MTBE was found at 6,500 micrograms per liter (ug/l) in B-1 on August 21, 2002 and no lower than 9,200 ug/l for all prior sampling events. Therefore, please monitor all your wells on a quarterly basis.
- 4. Monitoring Well B-3 It appears that B-3 was paved over. Please locate and uncover this well, and include it in your monitoring network.
- 5. Monitoring Well B-2 On January 11, 1995, we allowed the suspension of monitoring well B-2 from sampling at your request. Now we would like to have B-2 included for future sampling since B-3 was paved over and gradient has varied. B-2 has never been analyzed for MTBE. Future analyses shall include MTBE.
- 6. Preferential Pathway Survey We request that you perform a preferential pathway study that details the potential migration pathways and potential conduits (wells, utilities, pipelines, etc.) for horizontal and vertical migration that may be present in the vicinity of the site. The purpose of the preferential pathway study is to locate potential migration pathways and conduits and determine the probability of the plume encountering preferential pathways and conduits that could spread contamination.
 - a) Utility Survey Please submit map(s) and cross-sections showing the location and depth of all utility lines and trenches (including sewers, storm drains, pipelines, trench backfill, etc.) within and near the site and plume area(s). Evaluate the probability of the contaminant plumes encountering preferential pathways and conduits that could spread the contamination, particularly in the vertical direction to deeper water aquifers. Please submit with the Work Plan requested below.
 - b) Well Survey Locate wells within a quarter mile radius of the site. Show the location of the wells and the site on a map and tabulate well construction details for each well. Please submit with the Work Plan requested below.
- 7. Site Conceptual Model (SCM) We have not received the evaluation of the SCM, which was promised as referenced in the March 12, 2001 letter from Delta Environmental Consultants, Inc. You may report your findings with the Work Plan.
- 8. Submerged Monitoring Well Screens for B-7, B-8, and B-12 During a major portion of the sampling events, the depth to groundwater has been above the top of the monitoring well screens, which are 5 feet below grade (fbg). Groundwater depth often ranged from 4 to 5 fbg in B-7 and B-8, and even less than 3 fbg in B-12. Please evaluate the effect of groundwater elevations rising above well screens on hydrocarbon concentrations and propose recommendations to augment or validate the groundwater concentrations obtained. Include, with your analysis, hydrographs for each monitoring well with groundwater elevation vs. time and plot TPH-G, TPH-D, and benzene, and also indicate the top of screen elevations.
- 9. Historical Hydraulic Gradients Please include a rose diagram of groundwater gradient in all future monitoring report maps for this site.

Ms. Streich April 24, 2003 Page 3 of 3

- 10. 1982 removal of the tanks and lines - We understand that tanks were removed in 1982. However, details of the removal were not reported. Please provide as an attachment to the Work Plan requested below.
- Separate phase hydrocarbons (SEP) removal August 1982 February 1983 -11. Documentation of the amount found and removed were not in our files. Please provide as an attachment to the Work Plan requested below.
- ORC Remediation ORC "socks" are currently being used in monitoring wells at this 12. site. A review of the literature on this method of remediation indicates that only the small portions of the plume near the monitoring wells are treated, leaving the rest unremediated. Please include your proposal to evaluate the effectiveness of your remediation system in the Work Plan requested below.

TECHNICAL REPORT REQUESTS

Please submit technical reports to the Alameda County Environmental Health (Attention: Don Hwang), according to the following schedule:

- June 24, 2003 Work Plan & Attachments
- July 31, 2003 Groundwater Monitoring Report for the 2nd Quarter 2003
- October 31, 2003 Quarterly Report for the 3rd Quarter 2003 January 31, 2004 Quarterly Report for the 4th Quarter 2003
- April 30, 2004 Quarterly Report for the 1st Quarter 2004

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

Sincerely,

ZA

Don Hwang Hazardous Materials Specialist Local Oversight Program

C: Deanna Harding, Gettler-Ryan, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568 Donna Drogos ****/File



May 13, 2002

Mr. Don Hwang Alameda County Health Care Services Agency 1153 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

Re: Change in Project Manager for Chevron Sites

Dear Mr. Hwang:

I recently joined Chevron and will be assuming project management responsibilities from Mr. Thomas Bauhs for the Chevron sites that you oversee. I understand much of your ongoing communication about these sites is through the technical project manager from Delta Environmental, Inc. and their Network Associates. Specific sites in your region and their technical project managers are:

Chevron #	Address	
9-2029	890 W. MacArthur Blvd, Oakland	
9-8341	3530 MacArthur Blvd, Oakland	
9-9708	5910 MacArthur Blvd, Oakland	
9-0019	210 Grand Ave, Oakland	
9-0020	1633 Harrison St, Oakland	
9-0517	3900 Piedmont Ave, Oakland	
9-2506	2630 Broadway, Oakland	
9-3322	7225 Bancroft Ave, Oakland	

Project Manager Ben Heningburg Ben Heningburg Todd Del Frate David Herzog Todd Del Frate Geoff Risse Tony Mikacich Tony Mikacich

If you have any questions, or there is anything I can help you with, please do not hesitate to contact me at 925-842-1589 or via email at <u>stka@chevrontexaco.com</u>. If you would be interested at any time in having a status meeting about any or all of these sites, please let me know. I look forward to working with you.

Sincerely,

Karon Sterz G

- Karen Streich Project Manager, Site Assessment & Remediation
- Cc: Jim Brownell, Delta Environmental, Inc. Ben Heningburg, Todd Del Frate, Delta Environmental, Inc. David Herzog, Geoff Risse, Tony Mikacich, Gettler-Ryan, Inc.

Chevron Products Company 6001 Bollinger Canyon Rd., Bldg. L Room 4050 P.O. Box 6004 San Ramon, CA 94583

Karen StreichSAR Project ManagerPhone No.925 842-1589Fax No.925 842-8370

Chevron

ALAMEDA COUNTY



DAVID J. KEARS, Agency Director

AGENCY

June 7, 2001

Tom Bauhs, Project Manager Chevron Products Co. Site Assessment & Remediation 6001 Bollinger Canyon Rd., V1132 PO Box 6004 San Ramon, CA 94583-0904 ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION 1131 Harbor Bay Parkway, Suite 250 Alameda. CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

Re: Chevron Service Station #9-2506, 2630 Broadway, Oakland, CA; RO0000146

Dear Mr. Bauhs:

This office has reviewed "2nd Semi-Annual Event of August 31, 2000, Groundwater Monitoring and Sampling Report" dated November 16, 2000 by Gettler-Ryan, Inc., for the facility referenced. Monitoring wells B-1, B-3, B-5, B-6, B-7, B-9, B-10, B-11, and B-12, were sampled on August 31, 2000 for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethyl benzene, xylene (BTEX), and methyl tertiary-butyl ether (MTBE). Concentrations of MTBE were again high in groundwater samples collected from monitoring wells B-1, B-3, and B-5, which were 20,600 ug/l, 3,230 ug/l, and 2,420 ug/l, respectively. Nondetectable concentrations were found for TPH and BTEX in monitoring wells B-1, B-3, B-6, B-7, B-9, B-10, B-11, and B-12. Whereas, B-5 had concentrations of 4,730 ug/l, 55.5 ug/l, <5.00 ug/l, 246 ug/l, and 613 ug/l, for TPH and BTEX, respectively. Also, during this monitoring/sampling event, oxygen releasing compound (ORC) was placed into monitoring wells B-1, B-3, B-5, B-6, B-7, and B-9.

We await the evaluation of the site conceptual model, which will be completed during the first half of 2001 as referenced in the March 12, 2001 letter from Delta Environmental Consultants, Inc. If you have any questions, call me at (510) 567-6746.

Sincerely,

/file

on Hump

Don Hwang Hazardous Materials Specialist

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

Deanna Harding, Gettler-Ryan, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568



TROTECTION

00 MAY 16 PH 4:22

May 11, 2000

Mr. Don Hwang Alameda County Environmental Health Services Environmental Protection 1131 Harbor Bay Parkway Alameda, CA 94502-6577

Subject: Installation of Oxygen Releasing Compound at Former Chevron Station #92506, 2630 Broadway, Oakland, CA.

Mr. Hwang:

Gettler-Ryan Inc. (GR) prepared this letter at the request of Chevron Products Company. Your letter to Chevron dated February 22, 2000, requested a description of the procedures for installation of Regenesis' Oxygen Releasing Compound® (ORC®) and sampling of the wells. The ORC® was installed in wells B-1, B-3, B-6, B-7 and B-9 on September 15, 1999, by Blaine Tech Services, Inc. Blaine has indicated that the ORC® was contained in filter socks, and that the material was installed per the manufacturer's instructions (copy attached). Blaine indicated that 1 foot long, 2-inch diameter ORC® socks were installed in the following amounts:

Well ID	# of ORC® socks
B-1	16
B-3	10
B-5	10
B-6	9
B-7	11 ·
В-9	9

Blaine indicates that prior to sampling of the wells, the ORC® was removed from the wells, then replaced following sample collection. Please refer to Blaine's monitoring and sampling reports for documentation regarding their monitoring and sampling procedures.

Chevron has recently re-assigned oversight of this site within their Site Remediation and Assessment group. The new Chevron Project Manager is Mr. Tom Bauhs (925.842.8898). In addition, Chevron is also redistributing site assignments among its consultants. This project has been assigned to Delta Environmental

345203.01

ORC letter - Former Chevron #92506, Oakland, CA May 11, 2000

Consultants, Inc. Delta has assembled a team of consultants to provide service to Chevron at this site and other sites in Alameda County. GR has joined Delta's team and will continue to provide service including project management on this site. Mr. Jim Brownell (916.638.2765) will oversee the program for Delta. Please feel free to contact me (916.631.1300) or Jim with any questions on this site. Beginning with the second quarter 2000, quarterly monitoring and sampling at this site will be performed by Gettler-Ryan Inc.

Please call Mr. Brownell if you have questions.

Sincerely, Gettler-Ryan Inc..

Hiphim

Stephen J. Carter, R.G. Senior Geologist

Attachment: ORC® installation instructions

Mr. Tom Bauhs, Chevron Products Company, P.O. Box 6004, San Ramon, CA 94583
 Mr. Jim Brownell, Delta Environmental Consultants, Inc., 3164 Gold Camp Drive, Suite 200
 Rancho Cordova, CA 95670-6021

ALAMEDA COUNTY HEALTH CARE SERVICES



DAVID J. KEARS, Agency Director

AGENCY

February 22, 2000

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

RIY

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

Dear Mr. Hunter:

Subject: Former Chevron Service Station #9-2506, 2630 Broadway, Oakland, CA; StId 459

This office has reviewed the 3rd quarter 1999 groundwater monitoring report dated December 14, 1999 by Blaine Tech Services, Inc., for the above noted facility. The September 15, 1999 samples were from wells, B-1, B-3, B-5, B-7, B-8, B-9, B-10, B-11, and B-12. Oxygen Release Compound (ORC) was added to B-1, B-3, B-5, B-6, B-7, B-9, on July 29, 1999. The wells where ORC was added, showed a significant reduction in contaminant concentrations with the exception of methyl tertiary-butyl ether (MTBE) compared to the results of March 9, 1999 which were collected prior to the addition of ORC.

A description of the procedures for the addition of ORC and the sampling of the wells are needed. Provide within 30 days.

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

Sincerely,

Don Hwang Hazardous Materials Specialist

C: Steve Simi, Connell, Inc., 2735 Broadway, Oakland, CA 94612

√_{File}

June 2, 1999

Chevron Products Company 6001 Bollinger Canyon Road Building L, Room 1080 PO Box 6004 San Ramon, CA 94583-0904

hevron

Philip R. BriggsProject ManagerSite Assessment & RemediationPhone925 842-9136Fax925 842-8370

Mr. Don Hwang Hazardous Materials Specialist Alameda County Health Care Services Department of Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

Subject:Certified List of Record Fee Title OwnersFor:Former Chevron Service Station # 9-25062630 Broadway, Oakland, California

Dear Mr. Hwang:

In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, <u>Chevron Products Company</u>, certify that we are the sole landowner for the above site.

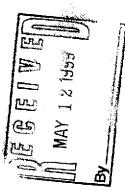
Sincerely, CHEVRON PRODUCTS COMPANY

Philip R. Briggs Site Assessment and Remediation Project Manger

CC Mr. Bill Scudder, Chevron

69 JUN -4 PM 3: 53

EWAING COLION



May 11, 1999

Mr. Don Hwang Hazardous Materials Specialist Alameda County Health Care Services Department of Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

Re: Former Chevron Service Station #9-2506 2630 Broadway Oakland, California

Dear Mr. Hwang:

Your letter of April 29, 1999 noted that your office had reviewed the file of the above noted site and some information was missing. You requested a search be conducted for the information and that it be submitted for inclusion in the file for the site.

In response to Item 1 and Item 3 of your April 29th letter: the underground steel storage tanks were removed in 1982 and replaced with fiberglass tanks, and it appears that no soil samples were collected as I could not locate any analytical report. However, I am enclosing copies of the contract for the tank removal, equipment disposal, order for new tanks, air quality permit and tank test results. I could not locate any manifests for the tank removal (they were junked out), but I did locate two manifests for soil removal (20 yds) and groundwater (50 bbls. or about 2000 gals.).

In response to Item 2 of your April 29th letter, I located the well installation report for wells B-1 through B-8 including well logs, and it is enclosed for your files.

Item 3 of your April 29th letter requested the amount of separate phase hydrocarbons (SPH) removed from B-4 from August 1982 to February 1983. I located copies of sampling events that occurred between August 17, 1982 to February 25, 1983. These events noted the thickness of product in the wells including well B-4 but did not show that any product (SPH) was removed.



Chevron Products Company 6001 Bollinger Canyon Road Building L, Room 1080 PO Box 6004 San Ramon, CA 94583-0904

Philip R. BriggsProject ManagerSite Assessment & RemediationPhone925 842-9136Fax925 842-8370

May 11, 1999 Mr. Don Hwang Former Chevron Service Station #9-2506 Page 2

If you require additional information or it you have any questions or comments, call me at (925) 842-9136.

Sincerely, CHEVRON PRODUCTS COMPANY

they Roman

Philip R. Briggs Site Assessment and Remediation Project Manager

Enclosure

CC Mr. Bill Scudder, Chevron

Alameda County Environmental Health

Date: 5/14/99

To: File

From: Don Hwang

RE: Chevron Service Station #9-2506, 2630 Broadway St., Oakland, CA 94610; STID 459;

Chevron's letter of 5/11/99 in response to my letter of 4/29/99 regarding removal of tanks (UST's) in 1982 & removal of separate phase hydrocarbons in 1982 & 1983

"Environmental Assessment Report...12/1/94, RESNA Report 130069.01" indicated that UST's were removed in 1993 & separate phase hydrocarbons (SPH) were removed in 1982 & 1983. On 5/14/1999, Phil Briggs 925/842-9136 told me that UST's were not removed in 1993 and on 5/11/99 had submitted documentation that the UST's were removed and replaced in 1982. Also, he stated that he couldn't find manifests for the SPH removed in 1982 & 1983.

1

ALAMEDA COUNTY HEALTH CARE SERVICES



DAVID J. KEARS, Agency Director

AGENCY

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

April 29, 1999

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

Re: Former Chevron Service Station #9-2506, 2630 Broadway St., Oakland, CA 94610; STID 459

Dear Mr. Briggs:

This office has reviewed the "Leaking Underground Storage Tank Oversite Program" file for the subject site and found the following information missing:

- A report about the removal of the underground storage tanks, which occurred in October 1993, including the analytical reports for the samples collected beneath the former tank locations. The underground storage tanks were removed because a tank leaked in early 1982.
- Well design and construction specifications, including logs for groundwater monitoring wells, B-1, B-2, B-3, B-4, B-5, B-6, B-7, and B-8. These were installed March 1982.
- 3) Manifests or bills of lading for all waste removed, including underground storage tanks, soil, groundwater, and the separate phase hydrocarbons that were removed from B-4 from August 1982 to February 1983.

Please submit the above items. If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang Hazardous Materials Specialist

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C: file

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ORC[®] FILTER SOCK INSTALLATION INSTRUCTIONS

ORC^{*} Filter Socks are used to enhance bioremediation of petroleum hydrocarbons in groundwater. The filter sock contains ORC and an inert carrier matrix. The socks come in one foot sections. They are laced together to span the vertical polluted saturated zone in monitoring type wells. Once the socks are laced together and lowered into the well, they become hydrated and begin releasing oxygen. The following instructions are vital to proper installation and subsequent removal of the socks.

SAFETY PRECAUTIONS

- ORC is completely non-toxic, but is composed of ultra-fine particles.
- Wear dust masks and goggles to prevent soft tissue irritation.
- Reference the Material Safety Data Sheet for specific technical and physical information.

CONDITION OF SOURCE WELLS

- Test for well deviation and smoothness before ORC installation.
 - For the test, use a 5 foot section of pipe with an outside diameter 1/2 inch smaller than the source well's inside diameter.

KEY REQUIREMENTS FOR INSTALLATION

- A) SOCKS MUST BE INSTALLED WITH BLACK GROMMETS ON TOP.
- B) Wrap socks as independent units (see page 3, figure 5).
- C) A maximum of 20 2-inch socks per section.
- D) A maximum of 8 4-inch socks per section.
- E) A maximum of 6 6-inch socks per section.
- F) Make sure each sock is properly shaped (cylindrical and without bends) to facilitate ease of installation and removal.

HELPFUL HINTS

- ORC matrix hardens into a cement once hydrated.
- · Minimize slack between each sock, by periodically pulling up slack while lacing.
- Tie off ORC retrieval lines to the well cap. **PEGENESIS** recommends the use of a 3/8" diameter x 6" long eyebolt.
- The ORC Socks should be wetted to prevent excessive dusting just prior to installation.
- Make sure your work area is clean to avoid oil and dirt deposits on the socks.

ORC REMOVAL

- ORC socks will be approximately 20% heavier after water saturation.
- Static friction from screened casing may cause difficulty in removal.
- A winch and stanchlon (or comparable equipment) may be necessary to help remove the socks due to increased weight, friction etc.

(SEE DETAILED FIGURES INSIDE)

REGENESIS

Bioremediation Products

27130A Paseo Espada - Suite 1407- San Juan Capistrano - CA 92675 - Ph (714) 443-3138 - Fax (714) 443-3140

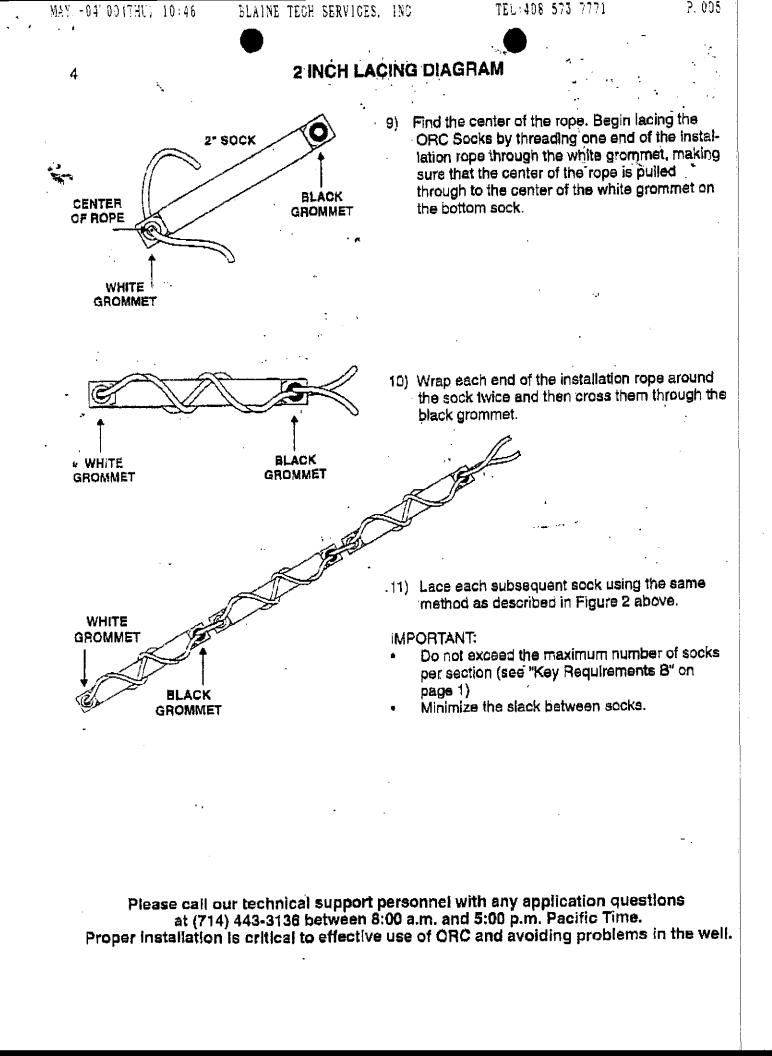
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2 4 INCH AND 6 INCH LACING DIAGRAM CENTER OF ROPE 1) Find the center of the rope. Begin lacing the ORC Socks by threading the two ends of the installation rope through the black grommets and then through the white grommets at the bottom of the same side of the bottom sock. BLACK GROMMETS. WHITE GROMMETS BLACK GROMMETS 2) Pull the rope through the bottom sock, making sure the center of the rope is between the black grommets. Cross the ropes over each other. WHITE GROMMETS CENTER OF ROPE 3) Loop the ends of the rope around the back of the sock and cross them. Repeat this step once BLACK again, so the rope is wrapped around the sock GROMMETS with two full turns. WHITE GROMMET WHITE BLACK GROMMETS GROMMETS Bring the ends of the rope around from the 4) back, cross them, and thread them into the black grommets. The rope ends should be inserted into the black grommets diagonally FRONT VIEW from the white ones they started from. Threading the black grommets will be tight only on the bottom sock due to the unique lacing pattern. **BACK VIEW**

P. 004

3

5) To avoid the ORC Socks slipping past each other, the socks WHITE must be laced with the GROMMETS grommet flaps of the bottom sock and second sock butting against each other (as shown). The remaining socks on the 6) rope section are laced up BLACK WHITE according to Figure 6. Make **GROMMETS** GROMMETS sure that the rope is turned around the sock two full turns, with the grommets of each sock butting up against the next sock as shown in Figure 5. Lace each subsequent ORC Sock exactly the same as in Figure 5 and 6. IMPORTANT: Do not exceed the maximum number of socks per section (see "Key Requirements D & E" on page 1). Minimize the slack between the socks. If you need to install more ORC 8} TOP SECTION Socks than the maximum allowed per well size (see "Key Requirements D & E" on cage 1), then multiple sections must TIE KNOT be installed. Each section is laced exactly the same, but they should be tied off to each other. The the end of the rope from the lower section to the bottom sock of the upper section; this allows each Well Diagram BOTTOM SECTION section to be installed and removed independently. (see well diagram)





REDWOOD LANDFILL A WASTE MANAGEMENT COMPANY

P.R.B.

8950 Redwood Hwy. P.O. Box 793 Novato, CA 94945 (415) 892-2851 (415), 898-1354 Fax

INVOICE BREAKDOWN

Chevron Products Co. Company 0810 Phil Briggs P.O. Box 5004 San Ramon, CA 94583-0804

Invoice # 6865 Account # 507-991 Date: 11/30/98

Station NumberRelease NumberPC NumberTotal9-25069169102303PC1,296.00

1,29

SERVICE @E# 2202820

TOTAL AMOUNT OF INVOICE

1,296.00

*Please remit to: Redwood Landfill, Inc. P.O. Box 793 Novato, CA 94945

APPROVED BY P. R. ERIGGS

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2230 BROA CROSS ST. Gakland	Yalg		novatg	ĩ	ė	
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	ATTN: FHEL SRIEGS, S/R #9169335		*** ** # * * * * * * * *			
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TERMS: Net 30 days. Consignee to pay any legal fees for collection of delinquent accounts, plus the legal rate of interest of 1½ 4 per month or 18 4 per year will be charged for all past due accounts. We make all deliveries inside curb and on lot at customer's risk only and accept no responsibility for damages resulting from such deliveries. Claims for short or damage or overcharge must be filed with this receipt within 10 days.

Q

BULK SOIL : 125 TO 150 YDS	TOTALS- QUANTITY: O WI:
	SPECIAL INSTRUCTIONS: Will Call With PC NUMBER

PAY 150 A LOAD

ESTIMATE :

ALAMEDA COUNTY HEALTH CARE SERVICES



DAVID J. KEARS, Agency Director

AGENCY

June 29, 1998

re: STID 459

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

Philip Briggs Chevron USA Inc. P.O. Box 5504 San Ramon, CA 94583-0804

Re: 2630 Broadway, Oakland, CA 94612

Dear Philip Briggs:

This office has received and reviewed a Semiannual Groundwater Monitoring Report, dated May 8, 1998, by Gettler-Ryan Inc., for the above site. The following are comments concerning this report.

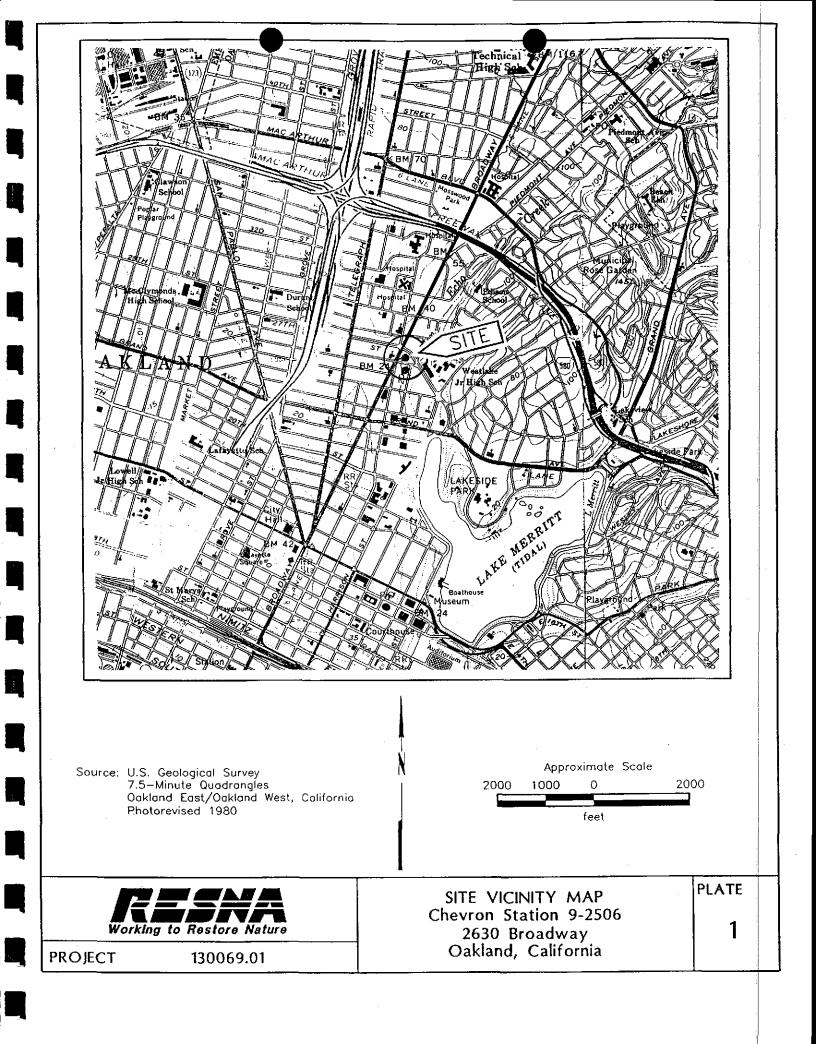
- 1. Your cover letter mentions that a tank removal report will be sent to us in two weeks. This report should also be sent to the City of Oakland, which has responsibility over the tank program.
- 2. You mention that the next report will be semi-annually and therefore should cover the third quarter of 1998. The contamination seems to be well confined around the area of the former tank pits and dispenser island. Hopefully, samples that were showing a decline in contamination will continue in the next round of sampling.

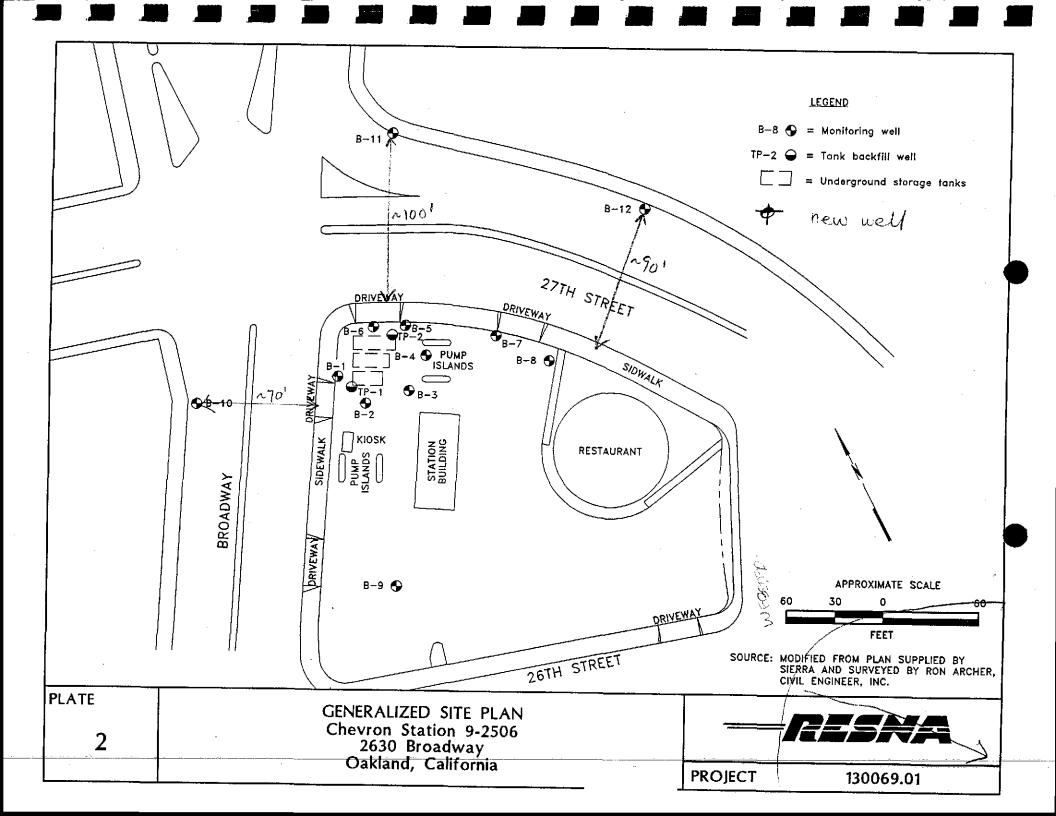
Please call this office with any questions at (510) 567-6782.

Sincerely

Thomas F. Peacock, Manager Environmental Protection Division

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





Working to Restore Nature

7-28-94

TABLE 1SOIL ANALYTICAL RESULTS
Chevron Station No. 9-25062630 Broadway, Oakland, California
(page 1 of 1)

Sample Number	Date Sampled	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes
B9-1-5 (S-5)	07/26/94	90	< 0.025	0.76	0.75	2.2
B9-2-10 (S-10)	07/26/94	<1 /	< 0.005	0.010	0.005	0.007
B10-1-6 (S-6)	07/27/94	<1 /	< 0.005 /	< 0.005	< 0.005	0.006
B10-2-10 (S-10)	07/27/94	<1 /	< 0.005	< 0.005	< 0.005	0.005
B11-1-5 (S-5)	07/26/94	<1/	< 0.005	< 0.005	< 0.005	< 0.005
B11-2-11 (S-11)	07/26/94	<1 /	<0.005 /	0.007	< 0.005	0.021
B12-1-5 (S-5)	07/26/94	7.9*	< 0.5	0.13	0.16	0.70
B12-2-11 (S-11)	07/26/94	<1 ,	< 0.005	< 0.005	< 0.005	< 0.005

All results in milligrams per kilogram (mg/kg) = parts per million (ppm)TPHgTotal petroleum hydrocarbons as gasoline<</th>Less than listed detection limit established by the laboratoryB12-2-11Monitoring well identification, sample number and sample depth (feet below ground surface)(S-11)Sample designation on boring logs*Hydrocarbons were found in the range of gasoline which did not resemble a gasoline pattern.

M\Z\C\130069-1.ASD

Working to Restore Nature

TABLE 2 GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS Chevron Station No. 9-2506 2630 Broadway, Oakland, California (page 1 of 1)

Well Number	Date Sampled	Depth to Water	Groundwater Elevation	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes
B-1 (23.00)	08/04/94 11/02/94	10.74 11.14	12.26 14.53	NA NA	NA NA	NA NA	NA NA	NA NA
(25.67)*	• •							
B -2	08/04/94	9.55	12.73	NA	NA.	NA	NA	NA
(22.28) (25.13)*	11/02/94	10.18	14.95	NA	NA	NA	NA	NA
B-3	08/04/94	8.52	13.26	NA	NA	NA	NA	NA
(21.78) (24.35)*	11/02/94	9.55	14.80	NA	NA	NA.	NA	NA
B-4	08/04/94	8.15	13.20	NA	NA	NA	NA	NA
(21.35) (24.11)*	11/02/94	9.17	14.94	NA	NA	NA	NA	NA
₿-5 ́	08/04/94	8.77	12.76	NA	NA	NA	NA	NA
(21.53) (24.23)*	11/02/94	9.65	14.58	NA	NA	NA	NA	NA
B -6	08/04/94	9.30	12.73	NA	NA	NA	NA	NA
(22.03) (24.72)*	11/02/94	9.93	14.79	NA	NA	NA	NA	NA
B- 7	08/04/94	7.08	12.46	NA	NA	NA	NA	NA
(19.54) (22.22)*	11/02/94	8.15	14.07	NA	NA	NA	NA	NA
B-8	08/04/94	6.52	11.97	NA	NA	NA	NA	NA
(18.49) (21.01)*	11/02/94	7.32	13.69	NA	NA	NA	NA	NA
B-9	08/04/94	11.53	14.08	650 🖌	4.4	2.4	6.3	14 /
(25.61)*	11/02/94	9.42	16.19	ŇĂ	NA	NA	NA	NA
B-10	08/04/94	10.95	12.20	< 50	<0.5 /	< 0.5	< 0.5	< 0.5
(23.15)*	11/02/94	11.19	11.96	NA	NA	NA	NA	NA
B-11	08/04/94	10.39	14.84	< 50	<0.5	<0.5 /	<0.5/	< 0.5
(25.23)*	11/02/94	11.50	13.73	NA	NA	NA	NA	NA
B-12	08/04/94	6.41	13.99	<50	<0.5 /	<0.5 /	< 0.5	< 0.5
(20.40)*	11/02/94	8.75	11.65	NA	NA	NA	NA	NA

Depth to water measured in feet below top of casing. All results in micrograms per liter $(\mu g/L) =$ parts per billion (ppb) TPHg Total petroleum hydrocarbons as gasoline < Less than listed detection limit established by laboratory (20.40) Surveyed elevation of the top of the PVC casing. Top of PVC casing elevation and groundwater elevation in feet above mean sea level. (25.23)* Re-surveyed elevation of the top of the PVC casing (October 19, 1994). NA

(25.23)* NA

Not analyzed

M\Z\C\130069-1.ASD

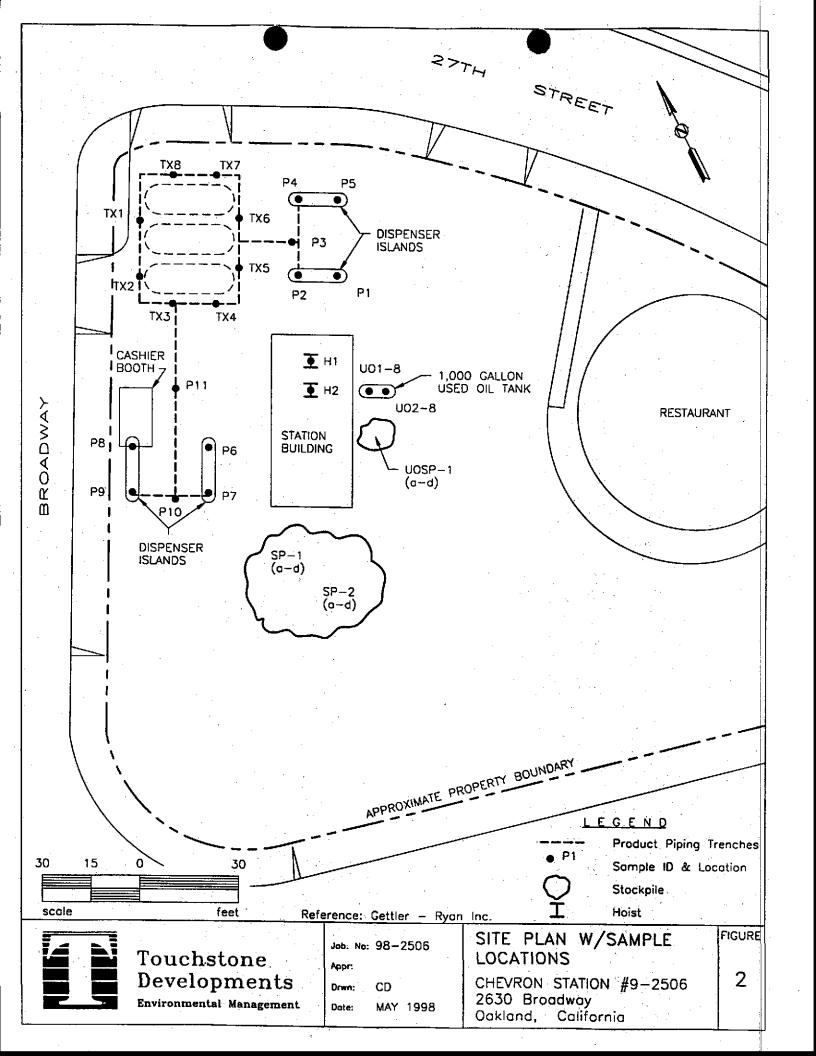


TABLE ASample Analytical SummaryResults in mg/Kg (ppm) unless noted

Depth in Feet 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	TPH as Gasoline 2.1 1.7 18 10 1.3 340 66 ND < 1.0 ND < 1.0 ND < 1.0 Doles (Date Sai ND < 1.0	ND < .005	T ND < .005 ND < .005 0.081 0.043 0.16 0.90 0.086 ND < .005 ND < .005 ND < .005	E ND < .005 ND < .005 0.43 0.052 0.0050 3.3 0.12 ND < .005 ND < .005	X ND < .005 ND < .005 1.7 0.044 0.12 15 0.94 ND < .005 0.0054 ND < .005	MTBE 1.2 0.80 ND < .5 ND < .1 1.7 ND < 2.5 0.46 1.1 ND < .05 ND < .05	Lead 6.3 3.0 ND < 2.5 3.9 4.0 6.2 5.0 4.4 7.8
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	45	0.062	0.72	0.56	4.7	0.52	30
1.5	ND<1.0	ND < .005	ND<.005	ND<.005	ND<.005	ND<.05	130
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2	ND<1.0	ND < .005	ND<.005	ND<.005	0.0057	ND<.05	5000
2	5.7	0.051	0.017	0.041			14
2	1200	ND<1.25	2.3	24			50
2	16	1.4	0.069	0.26			21
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TABLE BSample Analytical SummaryResults in mg/Kg (ppm) unless noted

Sample ID	Depth	in Feet		& Grease 520E & F
H1	7		110	
H2	7		310	· · · · · · · · · · · · · · · · · · ·

=See laboratory results in Appendix A for positive detections

Sample ID	Depth in Feet	Oil & Grease 5520E & F	TPH as Diesel	TPH as Gasoline	В	т	В	x	MTBE	8010	8270
UO1	8	110	ND<1.0	ND<1.0	ND<.005	ND < .005	ND < .005	ND<.005	0.11	ND	1100 ppb *
UO2	8	91	4.8 **	ND<1.0	ND<.005	ND < .005	ND<.005	ND<.005	ND<.05	ND	2300 ppb *
UOSP1 (a-d)	Stock- pile	52	3.9 **	ND<1.0	ND < .005	ND < .005	ND<.005	ND<.005	ND<.05	ND	***
B T E	= total petr = benzene = toluene = ethylben = xylenes		lrocarbons .								
MTBE ND Metais Opm	= methyl to = non-dete	ct aboratory i million		pendix A for	metal results		•		· · · ·		

9-2506

ALAMEDA COUNTY HEALTH CARE SERVICES



DAVID J. KEARS, Agency Director

October 2, 1997

ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION (LOP) 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (310) 567-6700 FAX (510) 337-9335

re: STID 459, 2630 Broadway, Oakland, CA 946107-667-6700

AGENCY

Philip Briggs Chevron USA Inc. P.O. Box 5504 San Ramon, CA 94583-0804

Dear Philip Briggs:

This office has received and reviewed a Semiannual Groundwater Monitoring Report, dated April 20, 1997, by Gettler-Ryan Inc., for the above site. The following are comments concerning this report.

1. There are very high concentrations of benzene and MTBE in the area around B-1, B-1, B-6, B-5, B-7 and B-9. This area is not shown as a plume on the site drawing.

2. Your cover mentions reconstructing this site later in the year but that there has been public concern expressed "on the closer of the restaurant." What is meant by this statement? Is it the closeness of the restaurant (even though upgradient) or is the restaurant closing?

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

Sincerely,

Thomas F. Peacock, Manager Environmental Protection Division

c: Deanna Harding, Gettler-Ryan, Inc., 6747 Sierra Ct., Suite J, Dublin, CA 94568 Gordon Coleman, Chief - files

ALAMEDA COUNTY



DAVID J. KEARS, Agency Director

AGENCY

March 28, 1997 STID 459

Attn: Phil Briggs Chevron USA PO Box 5004 San Ramon CA 94583-0804 ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION (LOP) 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

RE: Update, Chevron station #92506, 2630 Broadway, Oakland CA 94612

Dear Mr. Briggs,

Since my last letter to you, dated 4/19/96, the following documents have been received in this office:

- 1) quarterly report, prepared by Gettler-Ryan, dated 4/24/96, under your cover letter dated 10/14/96; and
- 2) "Semi-Annual Groundwater Monitoring and Sampling Report," prepared by Gettler-Ryan, dated 10/30/96, under your cover letter dated 2/24/97.

Your 2/24/97 cover letter indicated that the site is planned to be reconstructed late this year. Groundwater sampling is being conducted on a semi-annual basis (first and third quarters).

This letter is being sent to simply update the status of this case.

If you have any questions, please contact me at 510-567-6700, ext 6761; our fax number is 510-337-9335.

Sincerely

Jernifer Eberle Hazardous Materials Specialist

cc: Deanna Harding, Gettler-Ryan, 6747 Sierra Ct., Suite J, Dublin CA 94568 J. Eberle/file

je.459-A

ENVIZOR PROTE 95 OCT 22 PM 2: 32

October 14, 1996

Ms. Jennifer Eberle Alameda County Health Care Services Department of Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

Re: Chevron Service Station #9-2506 2630 Broadway **Oakland**, California

Dear Ms. Eberle:

Enclosed is the First Quarter groundwater monitoring report for 1996, prepared by our consultant Gettler-Ryan, Inc. for the above noted facility. I apologize for the delay in submitting this report and future reports will be submitted in a timely manner. Ground water samples were analyzed for TPH-g, BTEX, and MtBE. As previously agreed, sampling for monitoring wells B-2 and B-4 have been suspended.

Dissolved concentrations of sampled constituents observed during this sampling event, appear to be consistent as from previous sampling events. Depth to ground water varied from 4.49 to 10.11 feet below grade, with a direction of flow appearing to be divided, i.e. to the northeast and southeast.

Sie NW + As noted in our previous report, the dissolved hydrocarbon plume appears to have been defined with the exception of the up gradient area in the vicinity of monitoring well B-9. The source of hydrocarbons in the well is unknown. In agreement with your office, the sampling frequency has been changed from quarterly to biannually (1st an 3rd quarters). This third quarter report will be submitted when received.

If you have any questions or comments, call me at (510) 842-9136.

7 -----

Sincerely, CHEVRON PRODUCTS, COMPANY

Philip R Briggs Site Assessment and Remediation Project Manager

Enclosure

CC. Mr. Bill Scudder, Chevron Chevron UR:A. Products Company 6001 Bollinger Canyon Road Building L San Ramon, CA 94583 P.O. Box 5004 San Ramon, CA 94583-0804

Marketing - Northwest Region Phone 510 842 9500



ALAMEDA COUNTY



DAVID J. KEARS, Agency Director

April 19, 1996 STID 459 Alameda County Environmental Health Div. Mail Code: 430-4580 Environmental Protection Services 1131 Harbor Bay Parkway, Room 250 Alameda CA 94502-6577

Attn: Phil Briggs Chevron USA PO Box 5004 San Ramon CA 94583-0804

RE: Chevron station #92506, 2630 Broadway, Oakland CA 94612

AGENCY

Dear Mr. Briggs,

I have reviewed the most recent quarterly report for this site, prepared by Gettler-Ryan, dated 1/26/96. Upon a review of the data, it would be acceptable to reduce the sampling frequency from quarterly to biannually (1st and 3rd quarters). Groundwater elevations and potentiometric maps would also need only be generated biannually.

If you have any questions, please contact me at 510-567-6700, ext 6761; our fax number is 510-337-9335.

Sincerely.

Jennifer Eberle Hazardous Materials Specialist

cc: Gettler-Ryan, 6747 Sierra Ct., Suite J, Dublin CA 94568 Acting Chief/file

je.459

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST, AGENCY DIRECTOR

January 11, 1995 **STID 459**

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

DEPARTMENT OF ENVIRONMENTAL HEALTH CC4580 ALAMEDA COUNTY DEPT. OF ENVIRONMENTAL HEALTH ENVIRONMENTAL PROTECTION DIVISION 1131 HARBOR BAY PKWY., #250 ALAMEDA CA 94502-6577

Chevron #9-2506, 2630 Broadway, Oakland CA 94612 RE:

Dear Mr. Miller,

I am in receipt of the 12/1/94 "Environmental Assessment Report," prepared by Resna, and submitted on 1/5/95. As you know, this report documents the installation and sampling of four additional monitoring wells (B9 through B12).

I am also in receipt of your cover letter, dated 1/3/95, in which you request suspension of sampling in wells B2, B4, B5, and B7. Upon review of the data, it appears that wells B5 and B7 should continue to be monitored. These wells have significant concentrations of hydrocarbons, are on the downgradient property boundary, and it's important to know what concentrations of contaminants are migrating offsite. However, sampling in wells B2 and B4 may be suspended, because they appear to be duplicitous.

Obviously, a quarterly monitoring program should be established for sampling all wells (except B2 and B4) at the same time.

If you have any questions, please contact me at 510-567-6700, ext 6761; our fax number is 510-337-9335.

Sincerely,

Jennifer Eberle Hą⁄zardous Materials Specialist

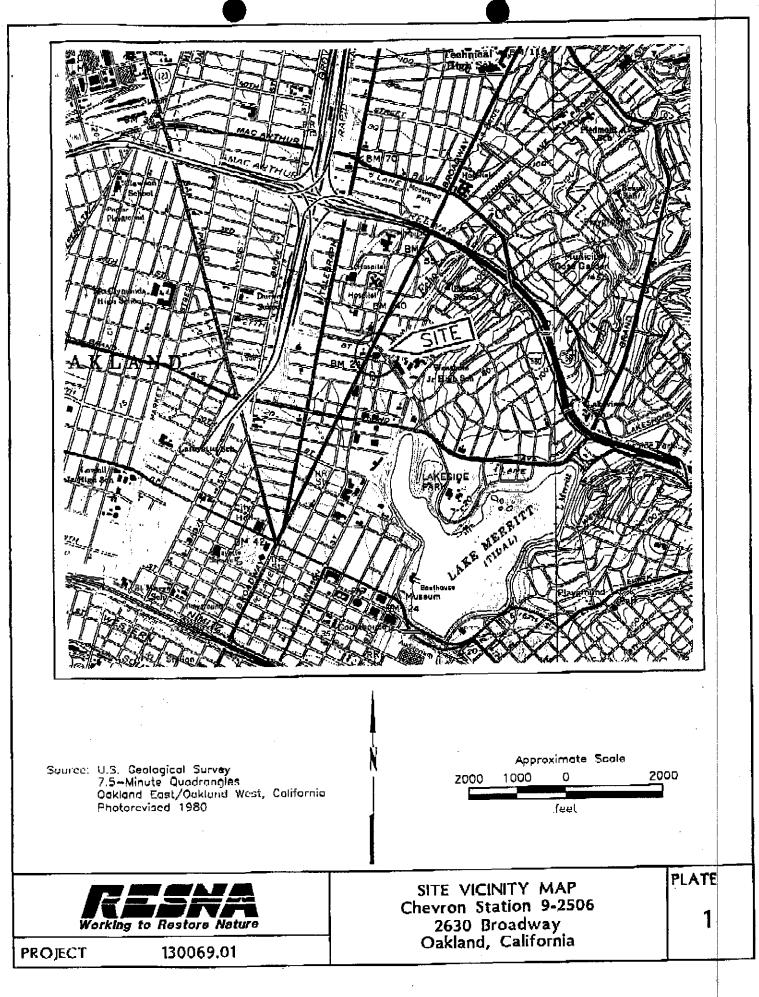
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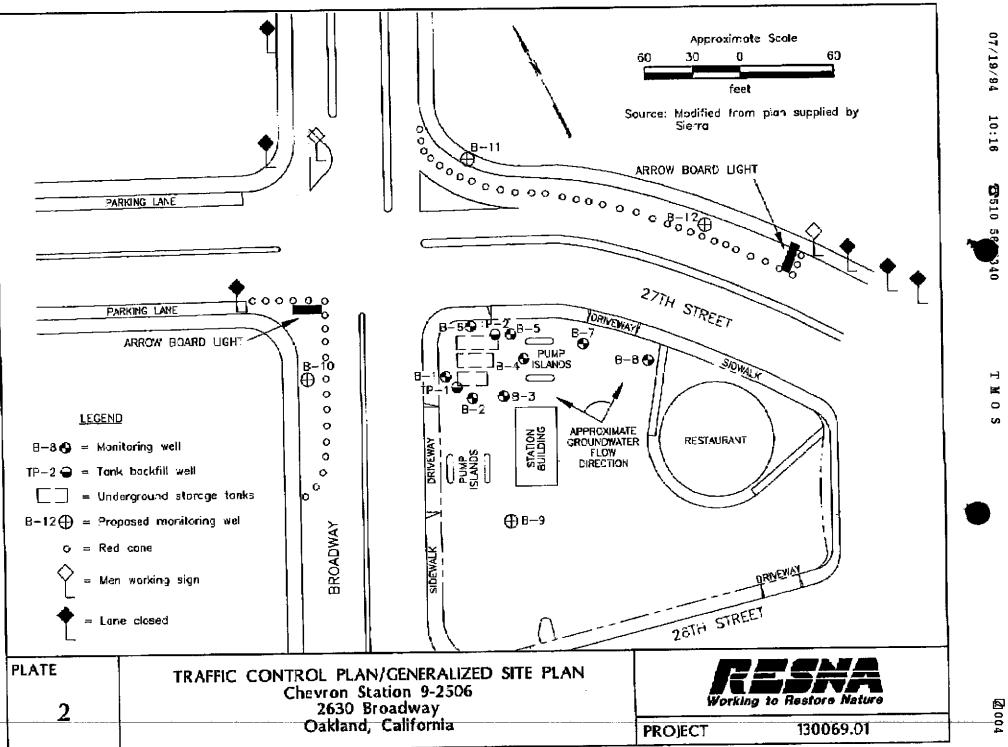
Zbigniew Ignatowicz, Resna, 42501 Albrae St., Suite 100, Fremont CA 94538 Argy Mena, Sierra Environmental, PO Box 2546, Martinez CA 94553 Ed Howell/file

je459









Working to Restore Nature

42501 Albrae Street Fremont, California 94538 Phone: (510) 440-3300 FAX: (510) 651-2233

FAX TRANSMITTAL FORM 19-94 Ţ Date: <u>10:10</u> Time: 2+2 mops Pages:

TO:

Name: MS. JENN	IFER	EBER	LE	
Company: AUMEDA			CARE	SVC.
Fax #:(510) 3	<u> 37 - 933</u>	5		

Name:

Company: **RESNA** Industries

Fax #: (510) 651-8647

TEL. (510)440-3350

COMMENTS: PESNA MOMTORING WEZCS IMTOU WIU 4 Q on 17 OAELAND r Horgewen's

ALAMEDA COUNTY HEALTH CARE SERVICES



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

December 23, 1993 STID 459

DAVID J. KEARS, Agency Director

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

AGENCY

RE: Chevron Station #92506 2630 Broadway Oakland CA 94612

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

Mark,

We have received the "Work Plan, Offsite Subsurface Environmental Assessment," prepared by Resna, dated 11/18/93. As you know, this workplan involves the installation of four groundwater monitoring wells, three of which are located offsite and downgradient.

This workplan is acceptable. Please note the typographic error on page 3, paragraph 4, which reads "monitoring wells B-1 through B-4;" it should read "monitoring wells B-9 through B-12."

Please note that with the exception of closure reports, routine reports and documents no longer need to be copied to the Regional Water Quality Control Board. Kindly submit a cover letter with your consultant's reports. If you have any questions, please contact me at 510-271-4530.

Please notify me at least 2 business days in advance of field activities so that I may arrange to be onsite.

Sincerely,

Jennifer Eberle Hazardous Materials Specialist

cc: Cynthia Virotsko, Resna, 3315 Almaden Expressway, Suite 34, San Jose CA 95118 Ed Howell/file

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•					restance in the second
UNDERGROUND STORAGE TANK UNAU	THORIZE	D RELEASE (LEAK) / CONTAN	INATION SITE	E REPORT
REPORT DATE CASE #		DISTRIBUTIONSHO	NCY USE ONLY HAT I HAVE DISTRIBUTED T WIN ON THE INSTRUCTION SP		
LOCAL AGENCY	PHONE (S/C	COMPANY OR AGE		h p. products	mille Co.
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ADDRESS ADDRESS FACILITY NAME (IF APPLICABLE) NAME NA NA NA NA NA NA NA NA NA NA	LUNKNOWN		MILLER	CA STATE 9 PHONE) 842-8134 94593
ADDRESS ADDRESS 2630 BROADALAY CROSS STREET			BETTS KLAND A	(510 Namest	946124
DCAL AGENCY AGENCY NAME SUIL LOCAL AGENCY AGENCY NAME SUIL AGENCY AGENCY NAME REGIONAL BOARD REGIONAL BOARD CRVL QCB - SF BAY REC		Envices		EBECLE SIC) 271-4530
SUBSTANCES SUBSTANCES (1) (1) (1) (1) (1) (1) (1) (1)	NAME	KKH	Ηιεττ		0) 286 - 4359 LOST (GALLONS)
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ACCEST.					HSC 05 (8/90)

INSTRUCTIONS

EMERGENCY

Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2000 Mondowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground morage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

1

LOCAL AGENCY ONLY

To avoid duplicate notification pursuant to Health and Safety code Section 25160.5, a government employee should sign and date the form in this block. A signature have does not mean that the leak has been determined to pose a significant threat to human Health or safety, only that notification procedures have been followed if required.

REPORTED BY

Enter your name, telephone number, and address. Indicate which parky you represent and provide company or agency name,

RESPONSIBLE PARYY

Enter name, belephone number, contact purson, and address of the percy responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION

Enter information regarding the tank facility. At a minimum, you must ... provide the facility name and full address

IMPLEMENTING AGENCIES

Enter names of the local agency and Regional Water Quality Control Scard involved.

SUBSTANCES INVOLVED

Enter the name and quantity lost of the bazardous substance involved. Hoom is provided for information of two substances if appropriate. If more then two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT

Provide information refarding the discovery and abetement of the leak.

Indicate source(s) of leak. Check bur(us) indicating cause of leak.

CASE TYPE

Indicate the case type category for this leak. Check one box only. Case, type is based on the most rensitive resource afferted. For example, if both soil and ground water have been affected, case type will be "Ground. Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS

Indicate the category which best describes the current status of the case. Check due box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refet to the status of the ground water investigation or elganup, as opposed to that of soil. Descriptions of options follow:

<u>No Action Takan</u> - No action has been taken by responsible party beyond initial report of leak Leak Being Confirmed - Leak suspected at site, but has not been confirmed. Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release. <u>Preliminary Site Assessment Underway</u> - implementation of workplan.

<u>Follution Characterization</u> - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.

<u>Remediation Plan</u> - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.

<u>Cleaner Underway</u> implementation of remediation plan, Fost Cleanup Monitoring in Progress - periodic ground water or other

initial activities.

<u>Dase Closed</u> regional board and local agency in concursence that no further work is necessary at the site.

IMPORTANT: THE INFORMATION FROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION

Indicate which aution have been used to cleanup or remediate the leak. Descriptions of options follow:

<u>Cap Site</u> - install horizontal impermeable layer to reduce rainfall infiltration.

Containment Barrier ; justall vertical dike to block horizontal movement of contaminant.

Excavate and Dispose - remove contaminated soil and dispose in approved site

Exceptet and Treat - remove contaminated soil and treat (includes spreading or Land farming).

<u>Remove Free Product</u> - remove floating product from water table. <u>Pump and Tred Groundwater</u> - generally employed to remove discolved contaminants.

<u>Enhanced Biodegradaticn</u> - use of any evailable technology to promote bacterial decomposition of contaminants.

Replace Supply - provide alternative water supply to affected parties. Treatment at Hookup - install water treatment devices at each dwelling or other place of use.

Vacuum Extract - use pumps or blowers to draw air through soil .

<u>Vent Soil</u> - pore holes in soil to ellow wolathlisation of contaminants. <u>Ro Action Required</u> - insident is minor, requiring an remodial estion.

COMPENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION

If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies intact to your local tank permitting agency for distribution.

- 1. Original Local Tank Pormitting Agency
- State Water Resources Control Board, Division of Clean Hater Programs. Underground Storage Tank Program, P.O. Box 944212, Sacramento, GA 96244-2120

3. Regional Water Quality Control Board

 4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 actifications.
 5. Owner/responsible pavty.

n No. 9-25	K INTEGRATY PROGRAM	A - DECISION CHECK	NOV 02'89 M.L.E.
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BAY AREA AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE NO. 18332

CHEVRON U.S.A. INC.

IS HEREBY GRANTED A PERMIT TO OPERATE THE FOLLOWING EQUIPMENT:

THREE 10,000 GALLON GASOLINE TANKS with 12 Nozzles. VAPOR RECOVERY EQUIPMENT: Phase I - OPW System A Type 5 Phase II - Balance System using CARB certified nozzles.

LOCATED AT: _____2630 Broadway

Oakland, CA

CONDITIONS: VES X NO

MILTON FELDSTEIN AIR POLLUTION CONTROL OFFICER

DATE June 15, 1982

EXPIRES ON

BY

PERMIT SERVICES DIVISION

THIS PERMIT DOES NOT AUTHORIZE ANY VIOLATION OF THE RULES AND REGULATIONS OF THE BAAQMD OR THE HEALTH & SAFETY CODE OF THE STATE OF CALIFORNIA.

(2) NAME CHELACO USA INC. EPA NO CAIPITITO OF 21713 ADDRESS 2030 BROADINAY PHONE NO. CITY, STATE, ZIP CAK LAND CA (5) U.S. DOT PROPER SHIPPING NAME U.S WASTE CAITAMINITED SCILL WASTE (6) WASTE CATEGORY SR 21 (9) LIST COMPONENTS	CITY, STATE, ZIP DOT HAZARD CLASS EX. HAZ. WASTE PERMIT NO. CONC. RANGE UPPER LOWER 2 3 3 % 1 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1	EDERAL PRC		UNITS	CITY, STATE, ZIP CONTAINER NO TYPE DRUMS DBAGS DANK TRUCK D OTHER GENERATING B) PROCESS		I
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10 WASTE PROPERTIES PH TOXIC FLAMMA (1) PHYSICAL STATE: SOLID LIQUID SLUDGE SLU (12) SPECIAL HANDLING INSTRUCTIONS: GLOVES GOGG	RRY GAS OTHER LES RESPIRATOR OTH		TARP	>			
GENERATOR CERTIFICATION: THIS IS TO CERTIFY THAT THE ABOVE N	IAMED MATERIALS ARE PROPERLY CI	ASSIFIED, DESC		N MARKED AL	ND LABELED, AND ARE IN PROPER LICABLE REGULATIONS 95.THE D	R CONDITION FOR	TRANSPORTATION VANSPORTATION AND EPA.
IN THE EVENT OF A SPILL CONTACT THE NATIC CENTER, U.S. COAST GUARD 1-800-424-8802				in and	SA LE ALE	in the second	4/2C/22 DATE SHIPPED
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12 NAME KEELing Trucking	EPA NO. CAT	<u>م مرام م</u>	<u>াহাবহা</u>	<u>69</u> 09	DATE		41-20-00
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17 NAME	(18) QUANTITY (IF						
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INSTRUCTIONS. PLEASE TYPE OR PRINT CLEARLY, PRESS HARD	CALIFORNIA HAZARDOUS WASTE MAN STATE DEPARTMENT OF HEALTH SERVICES HAZARDOUS MATERIALS MANAGEMENT SECTION 744 P STREET, SACRAMENTO, CA 95814	NIFEST (1) MANIFEST NO. 088- 069753
GENERATOR (GENERATOR MUST COMPLETE)	3 DESIGNATED T.S.D. FACILITY AUTHORIZED TO OPERATE AS APPROVED STATE OR FEDERAL PROGRAM	(ALTERNATE TSD FACILITY Nº 113002
@ NAME Cheuron USA INC.	NAME ITCOMP - MANTALE & FALLLITY	NAME
EPA NO. KAP191919191000121718	EPA NO. 1CIAIDIOI 010101414171711	EPA NO.
ADDRESS STATION \$2506 PHONE NO. 734-64	44 ADDRESS EPST ENA PUTTION R. PHONE NO. (419) 228 5100	ADDRESSPHONE NO
CITY, STATE, ZIP Oak land	CITY, STATE ZP MAN FINE 2, CA 94553	CITY, STATE, ZIP
U.S. DOT PROPER SHIPPING NAME	U.S. DOT HAZARD CLASS	CONTAINED NO
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©WASTE CATEGORY	EX. HAZ. WASTE	B PROCESS Chenon Station #250
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10 WASTE PROPERTIES PH TOXIC AFLAN (1) PHYSICAL STATE: SOLID ALIQUID SLUDGE (12) SPECIAL HANDLING INSTRUCTIONS: GLOVES GO		
	DVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AN	D LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION
IN THE EVENT OF A SPILL CONTACT THE NA CENTER, U.S. COAST GUARD 1-800-424-8802		ICABLE REGULATIONS OF THE DEPARTMENT OF THANSPORTATION AND EPA.
TRANSPORTER (HAULER MUST COMPLETE)		DICK UP
14 NAME IT TRANSPORTATION CORPORATION		PICK UP 4/19/17 TIME 1:30
ADDRESS 4501 PACHECO BLVD. PHONE NO.: (415) 228-5100	CITY MARTINEZ STATE CA ZIP 94553 (6)	SIGNATURE OF AUTHORIZED AGENT AND TITLE DATE SHIPPED
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20 INDICATE ANY SIGNIFICANT DISCREPANCIES BETWEI	/STATE FEE (IF ANY)PHONE NO EN MANIFEST	
(22) IF WASTE IS HELD FOR DELIVERY ELSEWHERE SPECI	FY THE DESIGNATED TSD FACILITY	
NAME	EPA NO. 211121 1 1 1 1	
23		EPA WASTE NUMBER
SIGNATURE OF AUTHORIZED AGENT AND TITLE	DATE ACCEPTED	

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Maron .	Chevron	J.S.A. Inc.	۲	-	`	Withdra	or	Suppler	nental Orde
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10		Rox 60					invoices, ship	ping papers, pack	and order number on all ages and correspondence
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Date Received	Received Via	You Are Authorized To Return Material To
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	Charge to 6-28-1-2490-7WC4	9994 Carrier □ Collect □ Prepair
	The R. Strander and the second s	CAT. ROOT

For additional information call: N.C. TVCITMOC 415-878-5274 Jame

By 11 Donothe

Receiving Point

Telephone

Extension

GO-197 (OS-12 79) Printed in U.S.A.

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Shevron U.S.A. Inc. Shevron U.S.A. Inc. Shevron U.S.A. Inc. Apri. 2630 Broadw The work forth in	hereafter referred to 1 12 ay, Oakland Specification No.	as COMPANY, and the un , 19 ₈₂ , ^{that} , County of Scope of Work	lameda , dated Marc	^{, State of} Califo: h 26, 1982	nis. and entitled
Replace all and your bi	tanks and 1 d d ated Apri	ines as per our 1 2, 1982.	Scope of Work d	lated March 20,	1962
integral part of such	i real property, unde	OMPANY by affixing them r the Terms and Condition ication, attached hereto, ar	s hereof, and in accordanc	involved therein so as to e with the above specific:	become an ation,
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		er your bid date pril 21, 1982 May 19, 1982 erms and executed by a sur			
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And Witness	-	- 1971 B	NUMBE COMPAT	SIGN & INDICATE S R ON BOTH COPIES AN NY EXECUTION PRIOR	TO START OF
(Where required b Communications attention of J R 1	State License No y State Law) to CONTRACTOR s . D. O'Neill EDWOOD BUILD 54 Mitchell an Rafael, C	hould be addressed to the ERS BLVd.	WORK. (CONTRA Communications to C attention of A1 CHE 2 A	COMPANY should be director. COMPANY should be director Robinson EVRON U.S.A. INC Innabel Lane, Sp Ramon, CA 94	ERETURNED TO ected to the C. uite 200 583
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	IN 4 COPIES	d, execution shall be by an ACTOR is not incorporate	authorized officer of the o	corporation and corporat nessed by an employee o	e seal affixed and f COMPANY, if

practicable; if not, by a disinterested party.

GO-279-WOI (CD-1-77) Printed in U.S.A.

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