RECEIVED By dehloptoxic at 8:56 am, Jan 11, 2007

Chevron Environmental Management Company 6001 Bollinger Canyon Rd, K2236 P.O. Box 6012 San Ramon, CA 94583-2324 Tel 925-842-9559 Fax 925-842-8370 Dana Thurman Project Manager

1-9-2007

(date)

ChevronTexaco

Alameda County Health Care Services 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

Re: Chevron Service Station # 9-1924

Address: 4904 Southfront Road, Livermore, CA

I have reviewed the attached report titled Well Destruction Report and dated 1-9-2007

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Cambria Environmental Technology, Inc., upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,

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Dana Thurman Project Manager

Enclosure: Report

January 9, 2007

CAMBRIA

Mr. Jerry Wickham Alameda County Health Care Services Agency (ACHCSA) Environmental Health Services 1131 Harbor Bay Parkway, Suite 250 Alameda, California, 94502

Re: Well Destruction Report Chevron Service Station 9-1924 4904 Southfront Road Livermore, California Fuel Leak Case No. RO000047



Dear Mr. Wickham:

Cambria Environmental Technology, Inc. (Cambria) has prepared this well destruction report on behalf of Chevron Environmental Management Company (Chevron) for the site referenced above (Figure 1). Cambria properly destroyed all site monitoring wells in response to a case closure letter issued by the ACHCSA, dated October 26, 2006 (Attachment A).

On December 11, 2006, Cambria Senior Staff Scientist Leon Gearhart observed Gregg Drilling and Testing, Inc. (C57# 485165) properly destroyed monitoring wells C-7, C-9, C-11 through C-13, C-20, and C-21 (Figure 2).

Alameda County Flood Control and Water Conservation District Zone #7 (Zone #7) approved pressure grouting of the monitoring wells. The wells were grouted in place with Portland I/II cement and held under pressure for five minutes. All wellboxes were removed and finished to grade with concrete. Table A below presents the well destructions and methods of all site groundwater monitoring wells.

Cambria Environmental Technology, Inc.

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

| Table A - Well Destruction Methods | | | | | | | |
|------------------------------------|---------------------|-----------------------|---|--|--|--|--|
| Well I.D. | Destruction Date | Destruction Method | Report Reference | Comments | | | |
| C-1 | 4/2000 | Unknown | Delta, <i>Monitoring Well Destruction</i> <i>Results Report</i> , January 23, 2002 | Unable to Locate- Presumed destroyed during April 2000 station up-grades. | | | |
| C-2 | 4/2000 | Unknown | Delta, Workplan for Monitoring Well Destruction, April 5, 2001 | Destroyed during April 2000 station up-grades. | | | |
| C-3 | 4/2000 | Unknown | Delta, Workplan for Monitoring Well Destruction, April 5, 2001 | Destroyed during April 2000 station up-grades. | | | |
| C-4 | 1985 | Unknown | Delta, Workplan for Monitoring Well Destruction, April 5, 2001 | Destroyed during UST removal activities 1985 | | | |
| C-5 | 11/2001 | Drill Out | Delta, Monitoring Well Destruction Results Report, January 23, 2002 | | | | |
| C-6 | 4/2000 | Unknown | Delta, Workplan for Monitoring Well Destruction, April 5, 2001 | Destroyed during April 2000 station up-grades. | | | |
| C-7 | 12/11/2006 | Pressure Grout | Cambria | Total Well Depth: 21.89' | | | |
| C-8 | 11/2001 | Pressure Grout | Delta, Monitoring Well Destruction Results Report, January 23, 2002 | | | | |
| C-9 | 12/11/2006 | Pressure Grout | Cambria | Total Well Depth: 23.06' | | | |
| C-10 | 11/2001 | Drill Out | Delta, Monitoring Well Destruction Results Report, January 23, 2002 | | | | |
| C-11 | 12/11/2006 | Pressure Grout | Cambria | Total Well Depth: 19.04' | | | |
| C-12 | 12/11/2006 | Pressure Grout | Cambria | Total Well Depth: 18.39' | | | |
| C-13 | 12/11/2006 | Pressure Grout | Cambria | Total Well Depth: 21.35' | | | |
| C-14 | 11/2001 | Drill Out | Delta, Monitoring Well Destruction Results Report, January 23, 2002 | | | | |
| C-15 | 4/2000 | Unknown | Delta, Workplan for Monitoring Well Destruction, April 5, 2001 | Destroyed during April 2000 station up-grades. | | | |
| C-16 | 4/2000 | Unknown | | Unable to Locate- Presumed destroyed during street construction activities. | | | |
| C-17 | 11/2001 | Drill Out | Delta, Monitoring Well Destruction Results Report, January 23, 2002 | | | | |
| C-18 | 4/2000 | Unknown | | Unable to Locate- Presumed destroyed during street construction activities. | | | |
| C-19 | 11/2001 | Drill Out | Delta, Monitoring Well Destruction Results Report, January 23, 2002 | | | | |
| C-20 | 12/11/2006 | Pressure Grout | Cambria | Total Well Depth: 24.05' | | | |
| C-21 | 12/11/2006 | Pressure Grout | Cambria | Total Well Depth: 25.03' | | | |
| RW-1 | 1/1995 | Unknown | Delta, Monitoring Well Destruction Results Report, January 23, 2002 | Unable to Locate- Presumed destroyed during destruction of former groundwater treatment system. | | | |

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Concrete waste generated during destruction activities was removed by Gregg Drilling and Testing, Inc.

Cambria's standard operating procedures for well destructions are presented as Attachment B. Copies of the well destruction permits from Zone #7 are presented as Attachment C. Department of Water Resources (DWR) well completion reports are confidential documents and therefore are not included in this report. The forms have been submitted to Zone #7, ACHCSA, DWR, and copies are maintained in Cambria's files and will be made available for agency review upon request. On behalf of Chevron, Cambria requests that a No Further Action letter be prepared and distributed for this site.

Cambria appreciates your assistance with this project. Please call Leon Gearhart at (916) 677-3407 ext. 115 if you have any questions or comments.

Sincerely, Cambria Environmental Technology, Inc.

Leon Gearhart Senior Staff Scientist

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

- Figures: 1 Vicinity Map 2 – Site Plan
- Attachments: A Regulatory Correspondence B – Standard Operating Procedures
 - C Permits
- cc: Mr. Dana Thurman, Chevron Environmental Management Company, P.O. Box 6012 K2236, San Ramon, CA 94583
 - Mr. Wyman Hong, Alameda County Flood Control and Water Conservation District Zone #7, 100 North Canyons Parkway, Livermore, CA 94551

No. 7211

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Cambria Environmental Technology, Inc.

R:\9-1924 Livermore\Well Destructions 2006\Final Well Destruction Report Template.doc

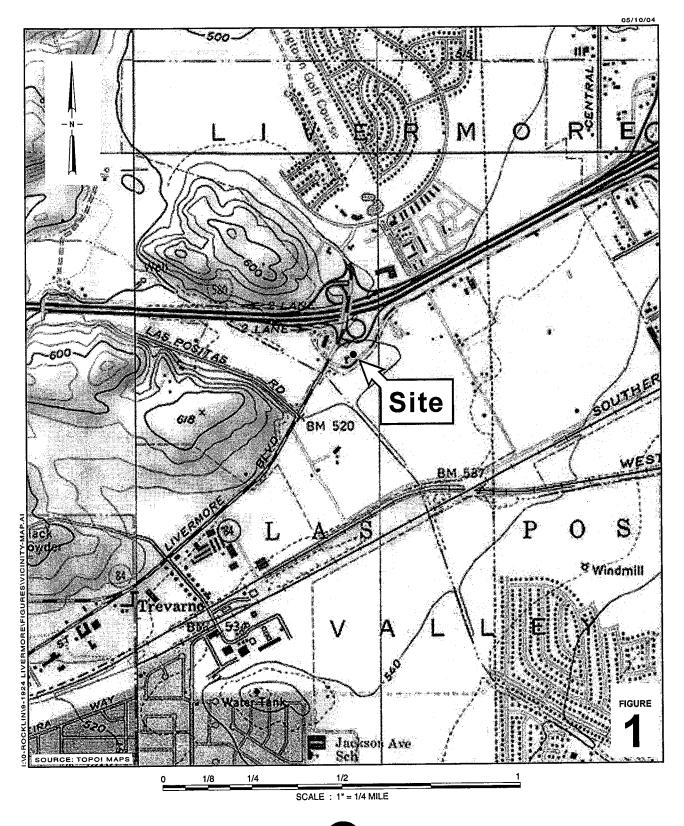


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Mr. Jerry Wickham January 9, 2007

Cambria Environmental Technology, Inc. (Cambria) prepared this document for use by our client and appropriate regulatory agencies. It is based partially on information available to Cambria from outside sources and/or in the public domain, and partially on information supplied by Cambria and its subcontractors. Cambria makes no warranty or guarantee, expressed or implied, included or intended in this document, with respect to the accuracy of information obtained from these outside sources or the public domain, or any conclusions or recommendations based on information that was not independently verified by Cambria. This document represents the best professional judgment of Cambria. None of the work performed hereunder constitutes or shall be represented as a legal opinion of any kind or nature.





Chevron Service Station 9-1924

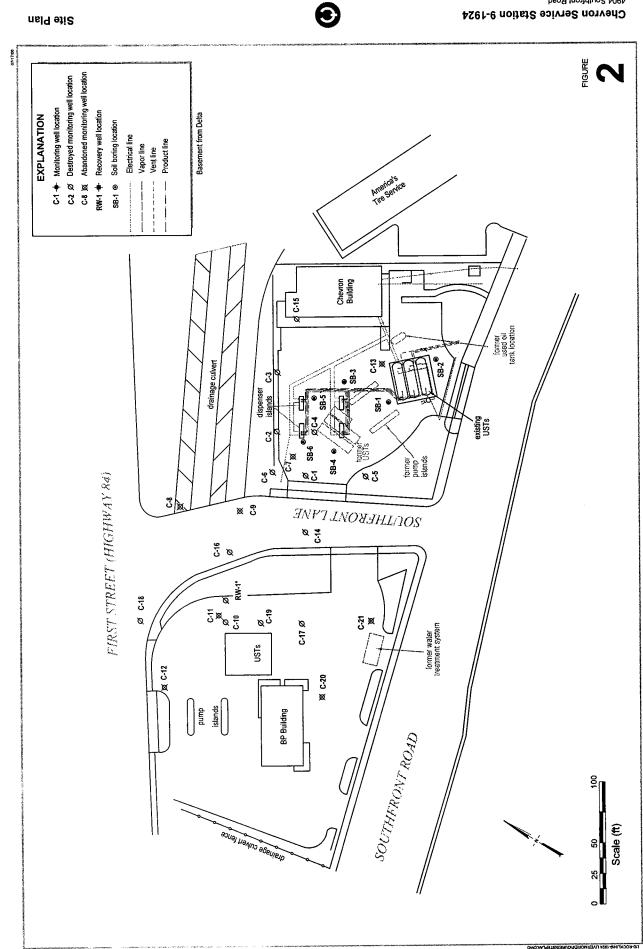


Vicinity Map

4904 Southfront Road

Livermore, California

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Livemore, California 4904 Southfront Road Chevron Service Station 9-1924

ATTACHMENT A

Regulatory Correspondence

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

October 26, 2006

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

Subject: Fuel Leak Case No. RO0000477, Chevron #9-1924, 4904 Southfront Road, Pleasanton, CA – Request for Well Decommissioning

Dear Mr. Thurman:

Alameda County Environmental Health (ACEH) and California Regional Water Quality Control Board staff have reviewed the fuel leak case file and case closure summary for the abovereferenced site and concur that no further action related to the underground storage tank fuel release is required at this time. Prior to issuance of a remedial action completion certificate, the monitoring wells installed at the site and off-site are to be properly destroyed, should the monitoring wells have no further use. Please decommission the monitoring wells and provide documentation of the well decommissioning to this office. A remedial action completion certificate will be issued following receipt of the documentation.

Well destruction permits may be obtained from the Zone 7 Water Agency (www.Zone7water.com). If you have any questions, please call me at (510) 567-6791.

Sincerely,

Jerry Wickham Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Colleen Winey, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street Pleasanton, CA 94566

David Herzog, Cambria Environmental Technology, Inc., 2000 Opportunity Drive, Suite 110, Roseville, CA 95678

Donna Drogos, ACEH Jerry Wickham, ACEH File

ATTACHMENT B

Standard Operating Procedures

CAMBRIA

STANDARD FIELD PROCEDURES FOR ABANDONING MONITORING WELLS

This document presents standard field methods for abandoning ground water monitoring wells. The objective of well abandonment is to destroy wells in a manner that is protective of potential water resources. The two procedures most commonly used are pressure grouting and drilling out the well. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Pressure Grouting

Pressure grouting consists of injecting neat Portland cement through a tremie pipe under pressure to the bottom of the well. The cement is composed of about five gallons of water to a 94 lb. sack of Portland I/II Cement. Once the well casing is full of grout, it remains pressurized by applying pressure with a grout pump. The well casing can also be pressurized by extending the well casing to the appropriate height and filling it with grout. In either case, the additional pressure allows the grout to be forced into the sand pack. After grouting the sand pack and casing, the well vault is removed and the area resurfaced or backfilled as required.

Well Drill Out

When well drill out is required, a hollow-stem auger drilling rig is used to drill out the well casing and pack materials. First, drill rods are dropped down the well and used to guide the augers as they drill out the well. Once the well is drilled out, the boring is filled with Portland cement injected through the augers or a tremie pipe under pressure to the bottom of the boring. The well vault is removed and the area resurfaced or backfilled as required.

ATTACHMENT C

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Permits



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

100 NORTH CANYONS PARKWAY, LIVERMORE, CA 94551

PHONE (925) 454-5000

December 1, 2006

Mr. Leon Gearhart Cambria Environmental 2000 Opportunity Drive, Suite 110 Roseville, CA 95678

Dear Mr. Gearhart:

Enclosed is drilling permit 26201 for the destruction of monitoring wells 3S/2E-3K5 (C-11), 3S/2E-3K15 (C-7), 3S/2E-3K17 (C-9), 3S/2E-3K18 (C-12), 3S/2E-3K23 (C-13), 3S/2E-3K32 (C-20) and 3S/2E-3K33 (C-21). Drilling permit applications for future projects can be downloaded from our web site (www.zone7water.com).

Please note that permit condition A-2 requires that a well destruction report be submitted after completion of the work. The report should include a description of methods and materials used to destroy the wells, location sketch, date of destruction, and permit numbers. Please submit the original of your completion report. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact me at extension 5056 or Matt Katen at extension 5071.

Sincerely,

meri Tto Wvman Hong

Water Resources Specialist

Enc.

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| ZONE | 7 | WATER | AGENCY |
|------|---|-------|--------|
|------|---|-------|--------|

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

| LOCATION OF PROJECT CHEURON SERVICE STATION 9-1924 | PERMIT NUMBER 26201 |
|--|---|
| 4904 SouthFront ROAD | WELL NUMBER 35/2E-3K5, 3K15, 3K17, 3K18, 3K23, |
| | APN 099-0040-013-34 3K32 & 3K33 |
| California Coordinates Sourceft .Accuracy•ft. CCNft. CCEft. APNft. | PERMIT CONDITIONS |
| CLIENT | (Circled Permit Requirements Apply) |
| CLIENT Name <u>Chendons Environmental</u> , <u>Management CO</u> Address <u>P.O. BOX GOIZ</u> Phone (125) 542-9559 City San Lamon Zip 945 9 3 | A. GENERAL 1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date. |
| APPLICANT Name <u>CAMBELA EMERONMENTAL</u> Fax (916) 677-3687 | Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Wel Drillers Report or equivalent for well projects or drilling logs and location sketch for geotechnical projects. |
| Address 2000 Officerum TY 12, #110 Phone (916) 677 - 3407- City_ Cosevalue Zip 90678 | Permit is void if project not begun within 90 days of approval |
| TYPE OF PROJECT Well Construction Geotechnical Investigation Cathodic Protection General Mater Supply Contamination | date. B. WATER SUPPLY WELLS 1. Minimum surface seal thickness is two inches of cement grout placed by tremie. 2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and imigation wells unless a lesser depth |
| Monitoring Well Destruction IOK PROPOSED WELL USE Trigation TWELLS New Domestic Irrigation TWELLS | is specially approved. 3. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements. 4. A sample port is required on the discharge pipe near the |
| Industrial - Groundwater Monitoring · · Dewatering ····· | wellhead. C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS |
| DRILLING METHOD: Mud Rotary ·· Air Rotary ·· Hollow Stem Auger ·· Cable Tool ·· Direct Push ·· Other PRE35UPE ···· | Minimum surface seal thickness is two inches of coment grout placed by tremie, Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet. |
| DRILLING COMPANY GREEC DRELLEVE AND TESTING | D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout |
| WELL PROJECTS Drill Hole Diameterin. Maximum Casing DiameterIn. Depthfi. Surface Seal Depthfi. Number | shall be used in place of compacted cuttings. E. CATHODIC. Fill hole above anode zone with concrete placed by tremie. (F.) WELL DESTRUCTION. See attached. |
| SOIL BORINGS Number of Borings Maximum Hole Diameterin, Depthft. | SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after the completion of permitted work the well installation report including all soil and water laboratory analysis results. |
| ESTIMATED STARTING DATE <u>December</u> (2.04vs) 11, 200 ESTIMATED COMPLETION DATE <u>December</u> | Approved Mymilin Horld Date 11/8/06 |
| I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68, APPLICANT'S | Wyman Hong |
| SIGNATURE | DEGEOVEN |
| ATTACH SITE PI AN OR SKETCH | DEC 0 6 2006 Revised: April 27, 2005 |

Bу

ATTACH SITE PLAN OR SKETCH

Zone 7

Water Resources Engineering Groundwater Protection Ordinance

Chevron 4904 Southfront Road Livermore Well 35/2E-3K5 (C-11), 35/2E-3K15 (C-7), 35/2E-3K17 (C-9), 35/2E-3K18 (C-12), 35/2E-3K23 (C-13), 35/2E-3K32 (C-20) and 35/2E-3K33 (C-21) Permit 26201

Destruction Requirements:

- 1. Clean out all bridged or poorly compacted materials to the bottom of the well.
- 2. Sound the well as deeply as practicable and record for your report.
- 3. Pressure grout the casing to two feet below the finished grade or original ground, whichever is the lower elevation.
- 4. Remove the casing, seal, and gravel pack to two feet below the finished grade or original ground, whichever is the lower elevation (optional).
- 5. After the seal has set, backfill the remaining hole with compacted material(optional).