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By dehloptoxic at 8:53 am, Oct 12, 2006

C A M B R I A

October 10, 2006

Mr. Barney Chan
Alameda County Health Care Services Agency (ACHCS)
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502-6577

Re: **Well Destruction Report**
Chevron Service Station #9-0338
5500 Telegraph Avenue
Oakland, California



Dear Mr. Chan:

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 ACHCS dated August 23, 2006 (Attachment A).

On September 25, 2006, Cambria Senior Staff Scientist Lelia Pascale observed Test America Drilling Corp. [d.b.a West Hazmat Inc.] (C57# 819548) properly destroy wells C-1A, C-2A, C-4 and C-5. All wells were abandoned properly by pressure grouting per Alameda County Public Works Agency (ACPWA) standards. The wells were injected with Portland I/II cement and 25 pounds per square inch of pressure was applied for five minutes. The well boxes were removed using a jackhammer. After removing the well boxes the wells were topped with concrete or asphalt to match the existing grade.

The only wastes generated during well destruction activities were well boxes which were taken by Test America Drilling Corp. and disposed of at their facilities.

Cambria's *Standard Operating Procedures for Monitoring Well Destructions* are presented as Attachment B. A copy of the well destruction permit from ACPWA is presented as Attachment C. Department of Water Resources (DWR) Well Completion/Destruction forms are confidential documents and are therefore not included in this report. These forms have been submitted to the DWR and ACPWA, and copies maintained in Cambria's files will be made available for agency review upon request. Currently, no wells exist at the site and on behalf of Chevron, Cambria requests final case closure for this site.

**Cambria
Environmental
Technology, Inc.**

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

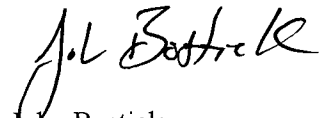
C A M B R I A

CLOSING

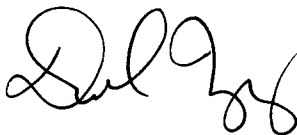
Please call John Bostick at (916) 677-3407 ext. 107 if you have any questions or comments regarding this investigation.

Sincerely,

Cambria Environmental Technology, Inc.



John Bostick
Staff Scientist



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

Figures: 1 – Site Plan

Attachments: A – Regulatory Correspondence
B – Standard Operating Procedures
C – Permit

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

Cambria Environmental Technology, Inc. file copy

EXPLANATION	
HA-1	▲ Hand-auger boring location
CT-1	■ Soil sample location
C-3	∅ Destroyed monitoring well
---	Gas line
- - -	Water line
---	Storm drain

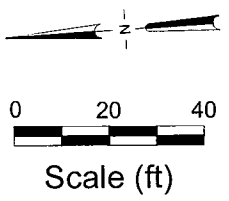
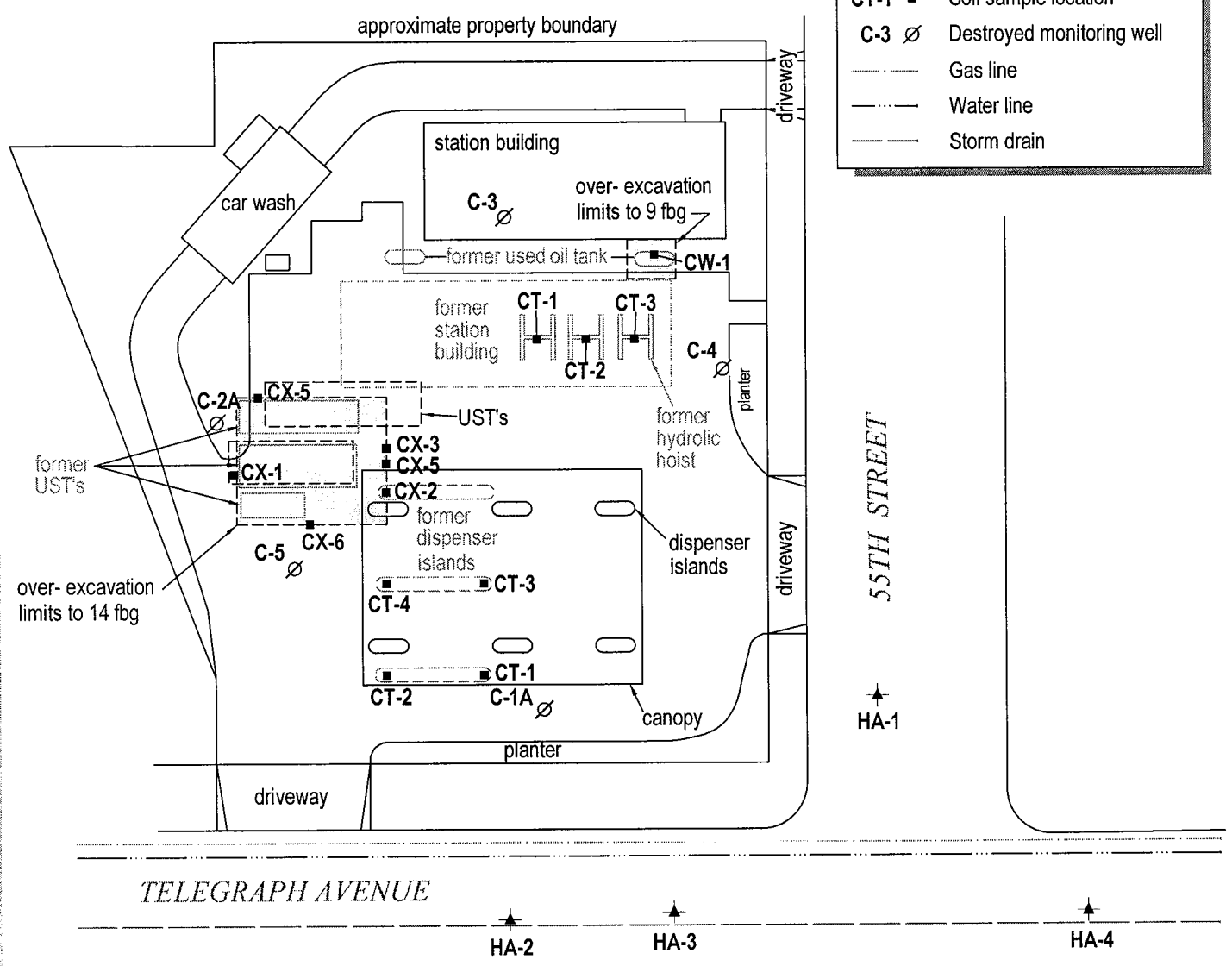


FIGURE 1

Chevron Service Station #9-0338
 5500 Telegraph Avenue
 Oakland, California



C A M B R I A

Site Plan

ATTACHMENT A

Regulatory Correspondence

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

August 23, 2006

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

Joan and Kirk Beales Trs
24 North Terrace
Tiburon, CA 94920-2019

Dear Mr. Thurman and Joan & Kirk Beales Trs:

Subject: Fuel Leak Site RO0000221, 5500 Telegraph Avenue, Oakland,
CA 94609

Alameda County Environmental Health has received Water Board concurrence for closure of the subject underground tank site. Prior to issuing closure, we require that you properly destroy all wells, monitoring or remediation, at this site. Please contact the Alameda County Public Works Agency at (510) 670-6633 for specific requirements and send our office a copy of the well destruction report.

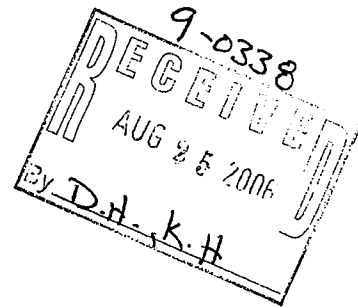
You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: files, D. Drogos
Mr. Bruce Eppler, Cambria Environmental Technology, 2000 Opportunity
Drive, Roseville, CA 95678

Wiclrq5500 TelegraphAve



ATTACHMENT B
Standard Operating Procedures

CAMBRIA

STANDARD FIELD PROCEDURES FOR MONITORING WELL DESTRUCTION

This document presents standard field methods for destroying groundwater monitoring wells. The objective of well destruction 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 for five minutes by applying a pressure of 25 pounds per square inch (psi) 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

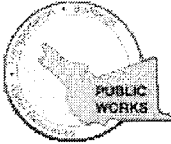
When well drill out is required, the well location is cleared for subsurface utilities and a hollow-stem auger drilling rig is used to drill out the well casing and filter pack materials. First, drill rods are placed down the well and used to guide the augers as they drill out the well. A guide auger is used in place of the drill rods if feasible. 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.

F:\TEMPLATE\SOPs\Well Destruction SOP.doc

ATTACHMENT C

Permit

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 09/06/2006 By jamesy

**Permit Numbers: W2006-0765 to W2006-0768
Permits Valid from 09/25/2006 to 09/26/2006**

Application Id: 1157500737457
Site Location: 5500 Telegraph Ave
Project Start Date: 09/25/2006

City of Project Site: Oakland
Completion Date: 09/26/2006

Applicant: Cambria Env't - John Bostick
2000 Opportunity Dr, Ste 110, Roseville, CA 95678
Property Owner: Joan & Kirk Beales Trs
24 North Terrace, Tiburon, CA 94920
Client: ** same as Property Owner **

Phone: 916-677-3407
Phone: --

	Total Due:	\$1200.00
Receipt Number: WR2006-0410	Total Amount Paid:	\$1200.00
Payer Name : Cambria Env't	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 4 Wells
Driller: Test America Drilling Corp - Lic #: 819548 - Method: other

Work Total: \$1200.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2006-0765	09/06/2006	12/24/2006	C-1A	8.00 in.	2.00 in.	4.00 ft	19.50 ft			
W2006-0766	09/06/2006	12/24/2006	C-2A	8.00 in.	2.00 in.	4.00 ft	20.00 ft			
W2006-0767	09/06/2006	12/24/2006	C-4	8.00 in.	2.00 in.	4.00 ft	21.50 ft			
W2006-0768	09/06/2006	12/24/2006	C-5	8.00 in.	2.00 in.	4.00 ft	21.50 ft			

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.
2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained.
3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.
4. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and

Alameda County Public Works Agency - Water Resources Well Permit

all expense, cost and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.

5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

6. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

7. Remove the Christy box or similar structure.

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.

8. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

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

ChevronTexaco

10/10/2006
(date)

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

Re: Chevron Service Station # 9-0338

Address: 5500 Telegraph Ave

I have reviewed the attached report titled Well Destruction Report
and dated 10/10/06.

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,



Dana Thurman
Project Manager

Enclosure: Report