

HAZARDOUS
SITE
SA 70015 PG 2: 16



Chevron

August 4, 1994

Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

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

Marketing Department
Phone 510 842 9500

**Re: Chevron Service Station #9-0290
1802 Webster Street, Alameda, CA**

Dear Ms. Shin:

Enclosed is the Well Destruction report dated July 27, 1994, prepared by our consultant Pacific Environmental Group for the above referenced site.

The report documents the abandonment of monitor wells B-3, B-4, and A-2. Abandonment of these wells was required to allow for the installation of new product piping.

As previously communicate in my letter of August 2, 1994, we would like to request an extension of the September 2, 1994, date for submittal of a comprehensive site review and proposed future action plan. The extension is necessary to allow our consultant enough time to review the recent reports generated for the site. We currently anticipate submitting our action plan by September 30, 1994. Please let me know if this is acceptable to your office.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

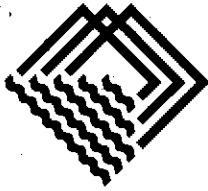
Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. Kevin Graves, RWQCB - Bay Area
Mr. Eric Anderson, Weiss Associates
Mr. S.A. Willer

Ms. Louise Van De Deere
Housing Authority of the City of Alameda
701 Atlantic Avenue
Alameda, CA 94501





PACIFIC
ENVIRONMENTAL
GROUP, INC.

July 27, 1994
Project 320-108.1A

Mr. Mark A. Miller
Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, California 94583

Re: Well Destruction
Chevron Service Station 9-0290
1802 Webster Street and Buena Vista Avenue
Alameda, California

Dear Mr. Miller:

This letter has been prepared for Chevron U.S.A. Products Company by Pacific Environmental Group, Inc. (PACIFIC) to present the results of groundwater monitoring well destruction activities conducted at the site referenced above.

On April 22 and 25, 1994, PACIFIC destroyed three groundwater monitoring wells (Wells B-3, B-4, and A-2). Well B-4 was destroyed by drilling out the well casing, filter sand pack, and annular cement seal. The remaining borehole was then back-filled with cement.

Due to concurrent site renovation, the underground storage tanks were uncovered rendering Wells B-3 and A-2 inaccessible and therefore unable to be abandoned by required drilling methods. Subsequently, a variance from the required well destruction procedure was requested by PACIFIC. Wyman Hong of the Zone 7 Water Resource Management Agency approved the variance and allowed PACIFIC to destroy these wells by pressure grouting. Well destruction methods used are presented as Attachment A. The approved drilling permit application is presented as Attachment B.

July 27, 1994

Page 2

If you have any questions regarding the contents of this letter, please call.

Sincerely,

Pacific Environmental Group, Inc.

Douglas Andrews
SK

Douglas Andrews
Staff Geologist

SK

Steven E. Krcik
Senior Geologist
RG 4976



Attachments: Attachment A - Field Procedures
Attachment B - Zone 7 Water Agency Drilling Permit Application

ATTACHMENT A
FIELD PROCEDURES

ATTACHMENT A FIELD PROCEDURES

Monitoring Well Abandonment Procedures

Two groundwater monitoring wells (Wells B-3 and A-2) were abandoned by pressure grouting. The procedure involved pumping grout under high pressure into the well casing. A grout hose was placed from the ground surface to the bottom of the well casing. The well was fitted and capped to allow neat cement grout under pressure to be injected into the casing from the bottom of the well to the surface. During pressure grouting, equilibrium periods were given to allow the pressurized grout time to penetrate and fill the annular space of the sand pack outside the well casing.

One 2-inch groundwater monitoring well (Well B-4) was destroyed by overdrilling. This procedure involved drilling down around the casing with oversized augers to the total depth of the well. This process removed the annular grout and bentonite seal as well as the filter sand pack from the well. Once the augers reached the total depth of the well, the casing was removed and the remaining borehole was grouted to 1 foot below ground surface.

All of the abandonment procedures performed by Pacific Environmental Group, Inc. conform to existing standards described in *California Well Standards, Bulletin 74-90* (California Department of Water Resources, January 1990).

ATTACHMENT B
ZONE 7 WATER AGENCY
DRILLING PERMIT APPLICATION



ZONE 7 WATER AGENCY

320-108.1A

5997 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94588

VOICE (510) 484-2600

FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 1302 Webster @ Buena Vista
Alameda, Ca

PERMIT NUMBER 94244
LOCATION NUMBER 2S/4N 11D80 to 11D82

CLIENT Name CHEVRON U.S.A
Address PO BOX 6004 Voice (510) 842-1000
City San Ramon Zip 94583

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT Name Pacific Environmental Group, Inc.
Address 2025 Gateway Pl. #440 Fax (408) 444-9102
City San Jose Zip 95110 Voice 441-7500

- 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.
 2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
 3. Permit is void if project not begun within 90 days of approval date.
- B. WATER WELLS, INCLUDING PIEZOMETERS**
 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 irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
- C. 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 shall be used in place of compacted cuttings.
- D. CATHODIC.** Fill hole above anode zone with concrete placed by tremie.
- E. WELL DESTRUCTION.** See attached.

TYPE OF PROJECT
Well Construction _____ Geotechnical Investigation _____
Cathodic Protection _____ General _____
Water Supply _____ Contamination _____
Monitoring _____ Well Destruction X
Wells: B-4, B-3 & A-2

PROPOSED WATER SUPPLY WELL USE
Domestic _____ Industrial _____ Other _____
Municipal _____ Irrigation _____

DRILLING METHOD:
Mud Rotary _____ Air Rotary _____ Auger X
Cable _____ Other _____

DRILLER'S LICENSE NO. C57-058786 (VFW)

WELL PROJECTS
Drill Hole Diameter _____ in. Maximum _____
Casing Diameter 2 in. Depth 20 ft.
Surface Seal Depth _____ ft. Number 3 Wells

GEOTECHNICAL PROJECTS
Number of Borings _____ Maximum _____
Hole Diameter _____ in. Depth _____ ft.

ESTIMATED STARTING DATE 4-22-94
ESTIMATED COMPLETION DATE 4-22-94

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

Approved Wyman Hong Date 19 Apr 94
Wyman Hong

APPLICANT'S SIGNATURE Ronda Randall Date 4-18-94

21 April 1994

ZONE 7
WATER RESOURCES ENGINEERING
DRILLING ORDINANCE

CHEVRON USA
1802 WEBSTER STREET
ALAMEDA
WELLS 2S/4W 11D80 TO 11D82
PERMIT 94244

Destruction Requirements:

1. Drill out the well so that the casing, seal, and gravel pack are removed to the bottom of the well.
2. Using a tremie pipe, fill the hole to 2 feet below the lower of finished grade or original ground with neat cement.
3. After the seal has set, backfill the remaining hole with compacted material.

These destruction requirements as proposed by Rhonda Barrick of Pacific Environmental meet or exceed the Zone 7 minimum requirements.

Post-It™ brand fax transmittal memo 7671		# of pages ▶	1
To	RHONDA BARRICK	From	WYMAN HONG
Co.	PACIFIC	Co.	ZONE 7
Dept.		Phone #	(510) 484-2600 x235
Fax #	(408) 441-9102	Fax #	(510) 462-3914

JUL-29-94 THU 10:07

P. 02

**CHEVRON SERVICE STATION 9-0290
1802 WEBSTER STREET AND BUENA VISTA AVENUE
ALAMEDA, CALIFORNIA**

Verification of Permit #94244 Variance Approval

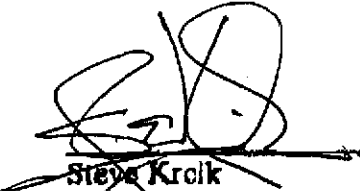
This memo was prepared to document the variance to permit # 94244 allowing destruction of wells B-3 and A-2 at the site referenced above. The well abandonment method specified in the permit ('Drill out') was changed to a pressure grout method after Zone 7 Water Resource Management Agency's approval. This variance was applied for due to the inaccessibility of the wells located adjacent to the open tank excavation

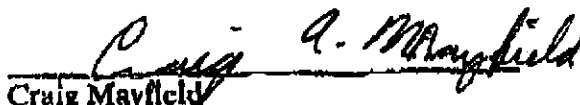
You are registered professional

In future: Advance notice is required.

Plan your work so well is destroyed before excavating for tank removal.

You will sign change notices and permit applications prior to submittal.


Steve Krok
Senior Geologist
Pacific Environmental Group, Inc.


Craig Mayfield
Water Resources Engineer III
Zone 7 Water Resource Management