



PACIFIC
ENVIRONMENTAL
GROUP, INC.

August 27, 1996
Project 330-048.6B

Mr. Scott Seary
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Room 250
Alameda, California 94052

Re: Well Destruction Notification
ARCO Service Station 2152
22141 Center Street
Castro Valley, California

Dear Mr. Seary

This letter provides notification that between July 15 and July 17, 1996, all wells were properly destroyed at the above referenced site. Wells MW-1 through MW-4, VW-1, VW-2, and VW-5 were destroyed by drilling to the total well depth, pulling the casing out, measuring the total depth, and then backfilling, through tremie, with cement grout from the bottom to the ground surface. Wells VW-3 and VW-4 were installed within conductor casing in the underground storage tank complex, and were destroyed by pressure grouting each well to the ground surface. Well Destruction permits are provided in Attachment A.

If you have any questions, please call.

Sincerely,

Pacific Environmental Group, Inc.


Kelly C. Brown
Project Manager

Attachments: Attachment A - Well Destruction Permits

cc: Mr. Paul Supple, ARCO Products Company
Mr. Kevin Graves, Regional Water Quality Control Board, S. F. Bay Region

95 AUG 30 PM 2:30
ENVIRONMENTAL
PROTECTION

ATTACHMENT A
WELL DESTRUCTION PERMITS



ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94588

VOICE (510) 464-2600

FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 22141 Center St
Grove
Castro Valley

PERMIT NUMBER 96498
LOCATION NUMBER 3S/2W 11D80 to 11D88

CLIENT
Name ARCO
Address PO BOX 612530 Voice
City SAN JOSE Zip 95161

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT
Name Pacific Env. Gr
7025 Gateway Pl. Fax 408-444-9102
Address #440 Voice 415-7500
City SAN JOSE Zip 95110

TYPE OF PROJECT
Well Construction _____ Geotechnical Investigation _____
Cathodic Protection _____ General _____
Water Supply _____ Contamination _____
Monitoring _____ Well Destruction X

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

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

DRILLER'S LICENSE NO. _____

WELL PROJECTS (SEE LOGS)
Drill Hole Diameter _____ in. Maximum _____
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Number _____

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

ESTIMATED STARTING DATE 7-15-96
ESTIMATED COMPLETION DATE 7-10-96

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

APPLICANT'S SIGNATURE [Signature] Date 6-26-96

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.

Destroy: MW-1 to MW-4,
VW-1 to VW-5
by drill out

Approved [Signature] Date 17 Jul 96
Wyman Hong

15 July 1996

ZONE 7
WATER RESOURCES ENGINEERING
DRILLING ORDINANCE

ARCO
22141 CENTER STREET
CASTRO VALLEY
WELLS 3S/2W 11D80 TO 11D88
PERMIT 96498

Destruction Requirements:

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

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

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED