



ENVIRONMENTAL  
PROTECTION  
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December 18, 1996

Ms. Juliet Shin  
Senior Hazardous Materials Specialist  
Alameda County Health Care Services Agency  
Department of Environmental Health  
Hazardous Materials Division  
1131 Harbor Bay Parkway, 2nd Floor  
Alameda, California 94502-6577

RE: Destruction of monitoring well MW-4 at 1081-1085 Eastshore Highway, Albany, California.

Dear Ms. Shin;

Pursuant to your letter of October 17, 1996 addressed to Mr. John Piggott of Wilanco, Inc. the monitoring well installed for purposes of underground storage closure compliance (MW-4) at 1081-1085 Eastshore Highway in Albany, California, has been destroyed according to the requirements of ZONE 7 Water Agency. Copies of the well destruction permit and required DWR form 188 reporting are attached.

Please do not hesitate to call me at (510) 373-9211 should you have any questions.

Sincerely,

Gary D. Lowe, R.G., C.E.G., C.H.  
Principal, Hydrogeologist

xc: Mr. John W. Piggott, Wilanco, Inc., P.O. Box 8117 Berkeley  
California 94563



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94588-5127

PHONE (510) 484-2600 FAX (510) 462-3914

December 11, 1996

Mr. Gary Lowe  
H2O GEOL  
P.O. Box 2165  
Livermore, CA 94551

Dear Mr. Lowe:

Enclosed is drilling permit 96857 for the destruction of wells 1N/4W 33L80 at 1081 Eastshore Frontage Road in Albany for Wilanco, Inc.

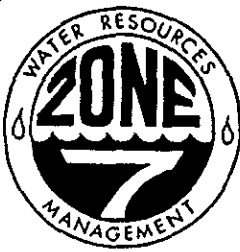
Please note that permit condition A-2 requires that a well destruction report be submitted after completion of the work. The report should include a description of methods and materials used to destroy the well, location sketch, date of destruction, and permit number. Please submit the original of your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

If you have any questions, please contact Wyman Hong at extension 235 or me at extension 240.

Very truly yours,

Craig A. Mayfield  
Water Resources Engineer III

CM:ab  
Enc.



# ZONE 7 WATER AGENCY

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 1081-1085 (AKA 1077)  
East Shore Freeway Road  
Alhambra, CA

PERMIT NUMBER 96857  
LOCATION NUMBER 1N/4W 33L80

CLIENT  
Name Wilanco, Inc.  
Address P.O. Box 8117 Phone 510 925 3750  
City Berkeley CA Zip 94707

Inspection permit no. 95590 9/14/95

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT  
Name Gary D. Lowe, R.L., C.E., C.H.  
aka HIGGINS FAX: 373 9222  
Address P.O. Box 9105 Phone 510 327 9211  
City Livermore CA Zip 94551-2105

TYPE OF PROJECT  
Well Construction \_\_\_\_\_ Geotechnical Investigation \_\_\_\_\_  
Cathodic Protection \_\_\_\_\_ General \_\_\_\_\_  
Water Supply \_\_\_\_\_ Contamination \_\_\_\_\_  
Monitoring \_\_\_\_\_ Well Destruction \_\_\_\_\_  
Pressure Grout used (as shown)

PROPOSED WATER SUPPLY WELL USE  
Domestic \_\_\_\_\_ Industrial \_\_\_\_\_ Other \_\_\_\_\_  
Municipal \_\_\_\_\_ Irrigation \_\_\_\_\_

DRILLING METHOD:  
Mud Rotary \_\_\_\_\_ Air Rotary \_\_\_\_\_ Auger \_\_\_\_\_  
Cable \_\_\_\_\_ Other \_\_\_\_\_

DRILLER'S LICENSE NO. ASC Drilling CST 629340

WELL PROJECTS  
Drill Hole Diameter 6 1/4 in. Maximum \_\_\_\_\_  
Casing Diameter 2 in. Depth 14.7 ft.  
Surface Seal Depth 5 ft. Number 1

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

ESTIMATED STARTING DATE 12/10/96  
ESTIMATED COMPLETION DATE 12/19/96

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

### 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.

Approved Wyman Hong Date 4 Dec 96  
Wyman Hong

APPLICANT'S SIGNATURE [Signature] Date 11/26/96

4 December 1996

ZONE 7  
WATER RESOURCES ENGINEERING  
GROUNDWATER PROTECTION ORDINANCE

WILANCO  
1081-1085 EASTSHORE FRONTAGE ROAD  
ALBANY  
WELL 1N/4W 33L80  
PERMIT 96857

Destruction Requirements:

1. Clean out all bridged or poorly compacted materials to the bottom of the well.
2. Pressure grout the casing to 2 feet below finished grade or original ground, whichever is the lower elevation.
3. Remove casing, seal and gravel pack to 2 feet below finished grade or original ground, whichever is the lower elevation.
4. After the seal has set, backfill the remaining hole with compacted material.

These destruction requirements as proposed by Gary Lowe of H2O GEOL meet or exceed Zone 7 minimum requirements.