



August 20, 2001

Mr. Kevin Romak  
Romak Iron Works  
380 Industrial Court  
Benicia, CA 94510-1138

RO#379

AUG 23 2001

SUBJECT: MONITORING WELL DESTRUCTION AND CASE COMPLETION  
CERTIFICATION  
3250 Hollis Street  
Oakland, California

Dear Mr. Romak:

This letter documents the destruction of monitoring well MW-1 at the above referenced site. The work was completed under Alameda County Public Works Agency (ACPWA) drilling permit #W01-653 issued to Aqua Science Engineers (ASE) on August 8, 2001. A copy of the drilling permit is presented as Appendix A.

On August 16, 2001, Exploration GeoServices (license #C-57 484288) of San Jose, California destroyed monitoring well MW-1 at the subject site under the direction of ASE senior geologist Robert Kitay by clearing the well to the total depth and then pressure grouting neat cement into the well. The top of the well casing was cut below grade and cement was then poured over the top of the casing. The existing surface completion was left in place.

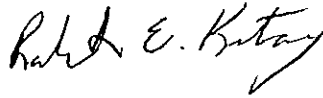
A copy of the California Department of Water Resources (DWR) water well drillers report for the well destruction is included as Appendix B.

This well destruction was the final task required in order to obtain a case closure from the Alameda County Health Care Services Agency (ACHCSA). Upon receipt of this letter the ACHCSA will issue a "no further action" letter for this case.

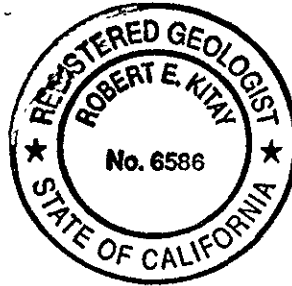
Please feel free to contact us if you have any questions or comments at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.



Robert E. Kitay, R.G., R.E.A.  
Senior Geologist



cc: Ms. Susan Hugo, Alameda County Health Care Services Agency, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502

Mr. Chuck Headlee, California Regional Water Quality Control Board, San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, CA 94612

Alameda County Public Works Agency, 399 Elmhurst Street, Hayward, CA 94544-1395

California Department of Water Resources, 3251 S Street, Sacramento, CA 95816

# **APPENDIX A**

Drilling Permit



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION  
399 ELMTURST ST. ITA WYWARD CA. 94544-1395  
PHONE (510) 670-5554  
FAX (510) 782-1939

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE  
LOCATION OF PROJECT 3250 Hallis Street  
Oakland, CA

FOR OFFICE USE  
PERMIT NUMBER W01-693  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

CLIENT  
Name Francis Iron Works  
Address 3250 Hallis Street Phone \_\_\_\_\_  
City Oakland, CA Zip 94612-5588

APPLICANT  
Name Agua Scientific Engineers  
Attn: Robert Kirby Fax 925-837-4853  
Address 2018 W. El Estado Phone 925-820-2391  
City Piedmont, CA Zip 94628

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

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

DRILLING METHOD:  
Mud Rotary  Air Rotary  Auger   
Cable  Other  Pressure Grout

DRILLER'S NAME Exploration Geo Services

DRILLER'S LICENSE NO. C-57-4842588

WELL PROJECTS  
Drill Hole Diameter \_\_\_\_\_ in. Maximum \_\_\_\_\_ ft.  
Casing Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
Surface Seal Depth \_\_\_\_\_ ft. Owner's Well Number \_\_\_\_\_

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

ESTIMATED STARTING DATE 8-10-01  
ESTIMATED COMPLETION DATE 8-20-01

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-61.

APPLICANT'S SIGNATURE Robert E. Kirby DATE 8-8-01

PLEASE PRINT NAME Robert E. Kirby Rev. 5-13-00

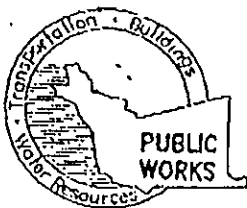
### PERMIT CONDITIONS Circled Permit Requirements Apply

- GENERAL**
  1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
  2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources Well Completion Report.
  3. Permit is void if project not begun within 90 days of approval 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 irrigation wells unless a lesser depth is specially approved.
- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
  1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
- D. GEOTECHNICAL**  
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.
- E. CATHODIC**  
Fill hole anode zone with concrete placed by tremie.
- F. WELL DESTRUCTION**  
Send a map of work site. A separate permit is required for wells deeper than 45 feet.
- G. SPECIAL CONDITIONS**

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

Attached

APPROVED [Signature] DATE 8-8-01



## ALAMEDA COUNTY PUBLIC WORKS AGENCY

### WATER RESOURCES SECTION

399 ELMHURST ST. HAYWARD, CA. 94544-1395

PHONE (510) 670-5554 FAX (510) 782-1939

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### WATER RESOURCES SECTION GROUNDWATER PROTECTION ORDINANCE Destruction of Monitoring Wells (Less than 45 feet in depth)

#### Destruction Requirements:

1. Overdrill or clean out to original depth.
2. Remove any casing(s) and annular seal to 2 feet below finished grade of original ground, whichever is the lower elevation.
3. Destroy well by grouting neat cement with a tremie pipe to the bottom of the well and by filling with neat cement to three (3) 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.
4. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.
5. Permit is void if project not begun within 90 days of approval date.
6. Compliance with the above 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.
7. 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 all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.

## **APPENDIX B**

DWR Water Well Drillers Report

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**

