



February 12, 2002

FEB 14 2002

Mr. Gardner Kent
Green Tortoise
494 Broadway
San Francisco, CA 94133

SUBJECT: MONITORING WELL DESTRUCTION
2021 Brush Street
Oakland, California

Dear Mr. Kent:

This letter documents the destruction of monitoring wells MW-1 through MW-4 at the above referenced site. The work was completed under Alameda County Public Works Agency (ACPWA) drilling permits #W02-0126 through W02-0129 issued to Aqua Science Engineers (ASE) on January 31, 2002. Copies of the drilling permits are presented in Appendix A.

On February 4, 2002, V&W Drilling (license #C-57 720904) of Rio Vista, California destroyed monitoring wells MW-1 through MW-4 at the subject site under the direction of ASE geologist Erik Paddleford by clearing the wells to the total depth and then pressure grouting neat cement into the wells. The top of the casing in each well was cut below grade and the well box was removed. Cement was then poured over the top of the casing to seal the annulus between the soil and casing.

Copies of the California Department of Water Resources (DWR) water well drillers reports for the well destruction are 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 "Remedial Action Completion Certification" for this case.

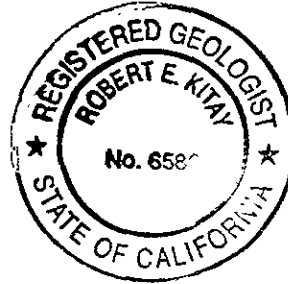
Please feel free to contact us if you have any questions or comments at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.



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



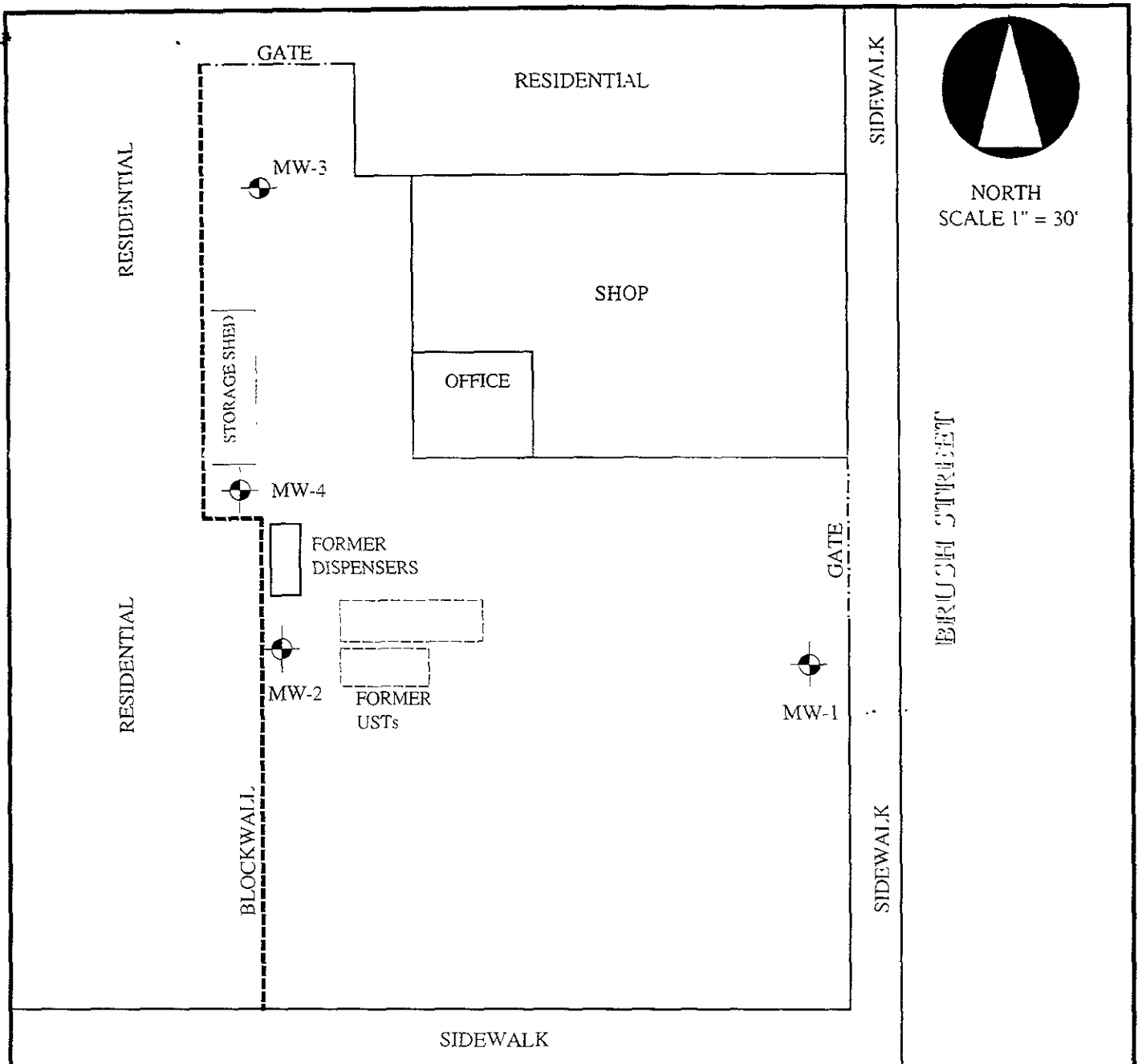
cc: Ms. Eva Chu, Alameda County Health Care Services Agency, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502

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

Mr. Alex Gaeta, 1415 Morton Street, Apt A, Alameda, CA 94501



20th STREET

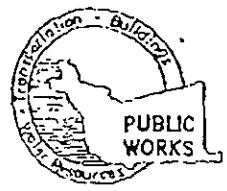
LEGEND	
MW-4 	MONITORING WELL
	FORMER UST LOCATION

SITE PLAN	
Former Peerless Stages, Inc Property 2021 Brush Street Oakland, California	
AQUASCIENCE ENGINEERS	Figure 2

APPENDIX A

Drilling Permit

APR-30-01 MON 10:13 AM ALAMEDA COUNTY PWA RM239 FAX NO. 5107821939 P. 02



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
 399 ELMHURST ST. RAYWARD CA. 94584-0385
 PHONE (510) 670-5554
 FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE
 LOCATION OF PROJECT 2021 Irish Street
Oakland CA 94612

FOR OFFICE USE
 PERMIT NUMBER W02-0126
 WELL NUMBER _____
 APN _____

CLIENT
 Name Gardner Kent
 Address 494 Broadway Phone _____
 City San Francisco CA Zip 94753

SPECIAL CONDITIONS
 Circle of Permit Requirements Apply

APPLICANT
 Name Apva Science Engineers Inc. Fax 925-837-9853
 Address 208 W El Pintado Phone 925-820-9391
 City _____ Zip 94526

- A. 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.

TYPE OF PROJECT

Well Construction	<input type="checkbox"/>	Geotechnical Investigation	<input type="checkbox"/>
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input type="checkbox"/>
Maintaining	<input checked="" type="checkbox"/>	Well Destruction	<input checked="" type="checkbox"/>

- 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.

PROPOSED WATER SUPPLY WELL USE

New Domestic	<input type="checkbox"/>	Replacement Domestic	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	Other	<input type="checkbox"/>

- 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.

DRILLING METHOD.

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input type="checkbox"/>
Cable	<input type="checkbox"/>	Other	<input type="checkbox"/>		

- 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.

DRILLER'S NAME V & W Drilling
 DRILLER'S LICENSE NO. 720904

- E. CATHODIC
- Fill hole anode tank with concrete placed by tremie.
- F. WELL DESTRUCTION - Handed-PG
 Send a map of work site. A separate permit is required for wells deeper than 45 feet.
- G. SPECIAL CONDITIONS

WELL PROJECTS

Drill Hole Diameter	<u>8</u>	Maximum	
Casing Diameter	<u>2</u>	Depth	<u>31</u> ft.
Surface Seal Depth	<u>31</u>	Owner's Well Number	<u>14-1</u>

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

GEOTECHNICAL PROJECTS

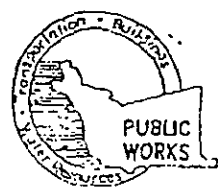
Number of Borings		Maximum	
Hole Diameter		Depth	

ESTIMATED STARTING DATE 2/4/02
 ESTIMATED COMPLETION DATE 2/14/02

APPROVED _____ DATE 1-31-02

I hereby agree to comply with all requirements of this form and Alameda County Ordinance No. 73 68.
 APPLICANT'S SIGNATURE [Signature] DATE 1/31/02
 FIELD PRD NAME ENT _____

APR-30-01 MON 10:19 AM ALAMEDA COUNTY PWA RM239 FAX NO. 5107821939 P. 02



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
 399 ELMHURST ST. RAYWARD CA. 94544-1395
 PHONE (510) 670-5554
 FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 2021 Brush Street
Oakland, CA 94612

PERMIT NUMBER W02-0127
 WELL NUMBER _____
 AD# _____

CLIENT
 Name Gardner Kent
 Address 494 Broadway Phone _____
 City San Francisco, CA Zip 94133

APPLICANT
 Name Apex Science Engineers, Inc.
 Address 208 W El Pintado Phone 925-837-4853
 City _____ Zip 94526

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input type="checkbox"/>
Maintaining	<input checked="" type="checkbox"/>	Well Destruction	<input checked="" type="checkbox"/>

PROPOSED WATER SUPPLY WELL USE

New Domestic	<input type="checkbox"/>	Replacement Domestic	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	Other	<input type="checkbox"/>

DRILLING METHOD:

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input type="checkbox"/>
Cable	<input type="checkbox"/>	Other	<input type="checkbox"/>		

DRILLER'S NAME V.E.W. Drilling

DRILLER'S LICENSE NO 720904

WELL PROJECTS

Drill Hole Diameter	<u>8</u> in	Maximum	
Casing Diameter	<u>2</u> in	Depth	<u>31</u> ft
Surface Seal Depth	<u>31</u> ft	Owner's Well Number	<u>MW-2</u>

GEOTECHNICAL PROJECTS

Number of Borings		Maximum	
Hole Diameter	<u>1a</u>	Depth	<u>1a</u>

ESTIMATED STARTING DATE 2/4/02
 ESTIMATED COMPLETION DATE 2/14/02

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-82

APPLICANT'S SIGNATURE E. Gardner DATE 1/30/02

PLEASE PRINT NAME E.C.K. Gardner REV. 1.01

PERMIT CONDITIONS
 Circled Permit Requirements apply

- A. 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 cements.
- E. CATHODIC

Fill hole anoxic zone with concrete placed by tremie.
- F. WELL DESTRUCTION - Attached - PG

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 investigation.

APPROVED [Signature] DATE 1-31-02

Jan 30 02 11:14a

925-837-4853

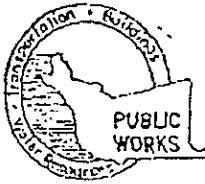
P. 4

APR-30-01 MON 10:19 AM

ALAMEDA COUNTY PWA RM239

FAX NO. 5107821939

P. 02



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. FAYWARD CA. 94544-1395
PHONE (510) 670-5554
FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 2021 Brush Street
Redwood, CA 94619

PERMIT NUMBER W02-0128
WELL NUMBER _____
APN _____

CLIENT
Name Gardner Kent
Address 494 Broadway Phone _____
City San Francisco CA Zip 94133

APPLICANT
Name Apex Science Engineers, Inc.
Address 208 W. El Pintado Phone 925-837-4853
City _____ Zip 94526

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

DRILLER'S NAME V&W Drilling

DRILLER'S LICENSE NO. 720904

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum Depth 3.1 ft.
Casing Diameter 2 in. Owner's Well Number MW-3
Surface Seal Depth 31 ft.

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

ESTIMATED STARTING DATE 2/4/02
ESTIMATED COMPLETION DATE 2/14/02

I hereby agree to comply with the requirements of this permit and Alameda County Ordinance No. 73.64

APPLICANT'S SIGNATURE E. P. Gardner ASE DATE 1/30/02

PLEASE PRINT NAME Eric Gardner KEY 3.00

PERMIT CONDITIONS
Circle'd Permit Requirements Apply:

- A. 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 annular zone with concrete placed by tremie

- F. WELL DESTRUCTION Attended PG
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

APPROVED _____ DATE _____
1-31-02

APR-30-01 MON 10:19 AM

ALAMEDA COUNTY PWA RM239

FAX NO. 5107821939

P. 02



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMITORST ST. RAYWARD CA. 94546-1395
PHONE (510) 670-5554
FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 2021 Brush Street
Oakland, CA 94612

PERMIT NUMBER W02-0129
WELL NUMBER
APN

CLIENT

Name Gardner Kent
Address 494 Broadway
City San Francisco CA Zip 94133

APPLICANT

Name Agve Science Engineers, Inc.
Address 205 W El Pintado
City San Francisco CA Zip 94526

TYPE OF PROJECT

Well Construction Geotechnical Investigation
Cathodic Protection [] General []
Water Supply [] Contamination []
Monitoring [x] Well Destruction [x]

PROPOSED WATER SUPPLY WELL USE

New Domestic [] Replacement Domestic []
Municipal [] Irrigation []
Industrial [] Other []

DRILLING METHOD:

Mud Rotary [] Air Rotary [] Auger []
Cable [] Other []

DRILLER'S NAME V & W Drilling

DRILLER'S LICENSE NO 720904

WELL PROJECTS

Drill Hole Diameter 8 in Maximum
Casing Diameter 2 in Depth 31 ft
Surface Seal Depth 31 ft Owner's Well Number MW-4

GEOTECHNICAL PROJECTS

Number of Borings Maximum
Hole Diameter in Depth ft

ESTIMATED STARTING DATE 2/4/02
ESTIMATED COMPLETION DATE 2/14/02

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 72.68

APPLICANT'S SIGNATURE E. K. Reddelford ASE DATE 1/30/02

PRINTER'S NAME E. K. Reddelford PWS 13-00

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. 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 30 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUND WATER 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 and 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 - Anodes - PG)

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 at well device or Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED

DATE

Handwritten signature and initials.

Handwritten date: 1-31-02

APPENDIX B

DWR Water Well Drillers Report

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED