

ALL ENVIRONMENTAL, INC.

Environmental Engineering & Construction

December 12, 1995

Ms. Eva Chu
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

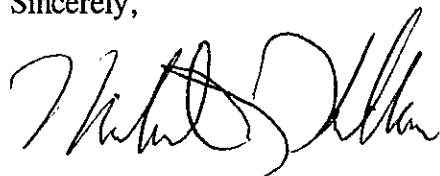
Re: Well destruction as part of well closure at 5965 Dougherty Road, Dublin, CA

Dear Ms. Chu:

Enclosed is one copy of the Groundwater Monitoring Well Site Closure Report for the above referenced property.

If you have any questions, please contact me at (510) 820-3224.

Sincerely,



Michael J. Killoran
Project Geologist

December 12, 1995

**GROUNDWATER MONITORING WELL
SITE CLOSURE**

5965 Dougherty Road
Dublin, CA

Prepared for:

Mr. R. N. Stefan
18 Sunnyside Lane
Orinda, CA 94563

Prepared by:

All Environmental, Inc.
2641 Crow Canyon Road, Suite 5
San Ramon, CA 94583

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1.0 INTRODUCTION

All Environmental Inc. (AEI) has prepared this work plan on behalf of Mr. R. N. Stefan, in response to his request for a Groundwater Monitoring Well Site Closure Report. This report describes activities required by the Alameda County Health Care Services Agency (ACHCSA), Department of Environmental Health, in order to properly destroy two existing groundwater monitoring wells and thereby grant closure of groundwater monitoring activities at the site. Closure was granted by Ms. Eva Chu, Hazardous Materials Specialist with ACHSCA, after Total Petroleum Hydrocarbons as gasoline (TPHg), Total Petroleum Hydrocarbons as diesel (TPHd), and the volatiles benzene, toluene, ethylbenzene, and xylenes (BTEX) analyses of water samples from the on-site well yielded only nondetectable (ND) results for four quarters of groundwater sampling. A copy of the letter from the county is included in Appendix A, Permits and Notifications.

2.0 SITE DESCRIPTION

The site is located less than 1/2 of a mile north of Interstate 580 and less than 1 mile east of Interstate 680 in Dublin, in the San Ramon Valley region of California. (Figure 1: Site Location Map). The topography of the site is relatively flat. The nearest surface water is Alamo Canal, located approximately 2,200 feet to the west.

The property is located on the east side of Dougherty Road near the Dougherty Road/Sierra Lane intersection. One building is located on the property, which contains both a supply warehouse and a supply store with offices. There is a fenced supply yard behind the building which previously contained two underground storage tanks. (Figure 2: Site Map)

3.0 SITE HISTORY

AEI was contracted by La Mirada Association to conduct soil and groundwater investigations at 5965 Dougherty Road in Dublin, CA. AEI previously removed one 10,000 gallon diesel underground storage tank and one 2,000 gallon gasoline underground storage tank from this site. Samples taken at the time of the tank removal showed hydrocarbon contamination in the soil and groundwater from the excavation, thus warranting a soil and groundwater investigation. AEI issued a Final Report dated December 3, 1993, covering the tank removal.

A groundwater monitoring well was drilled and installed on March 24, 1994, using a hollow stem auger drill. Drilling proceeded to a depth of 20.5 ft. with soil samples taken every 5 ft. Closure was granted by the ACHSCA, after TPHg, TPHd, and BTEX analyses of water samples from the on-site well yielded only nondetectable (ND) results for four consecutive quarters.

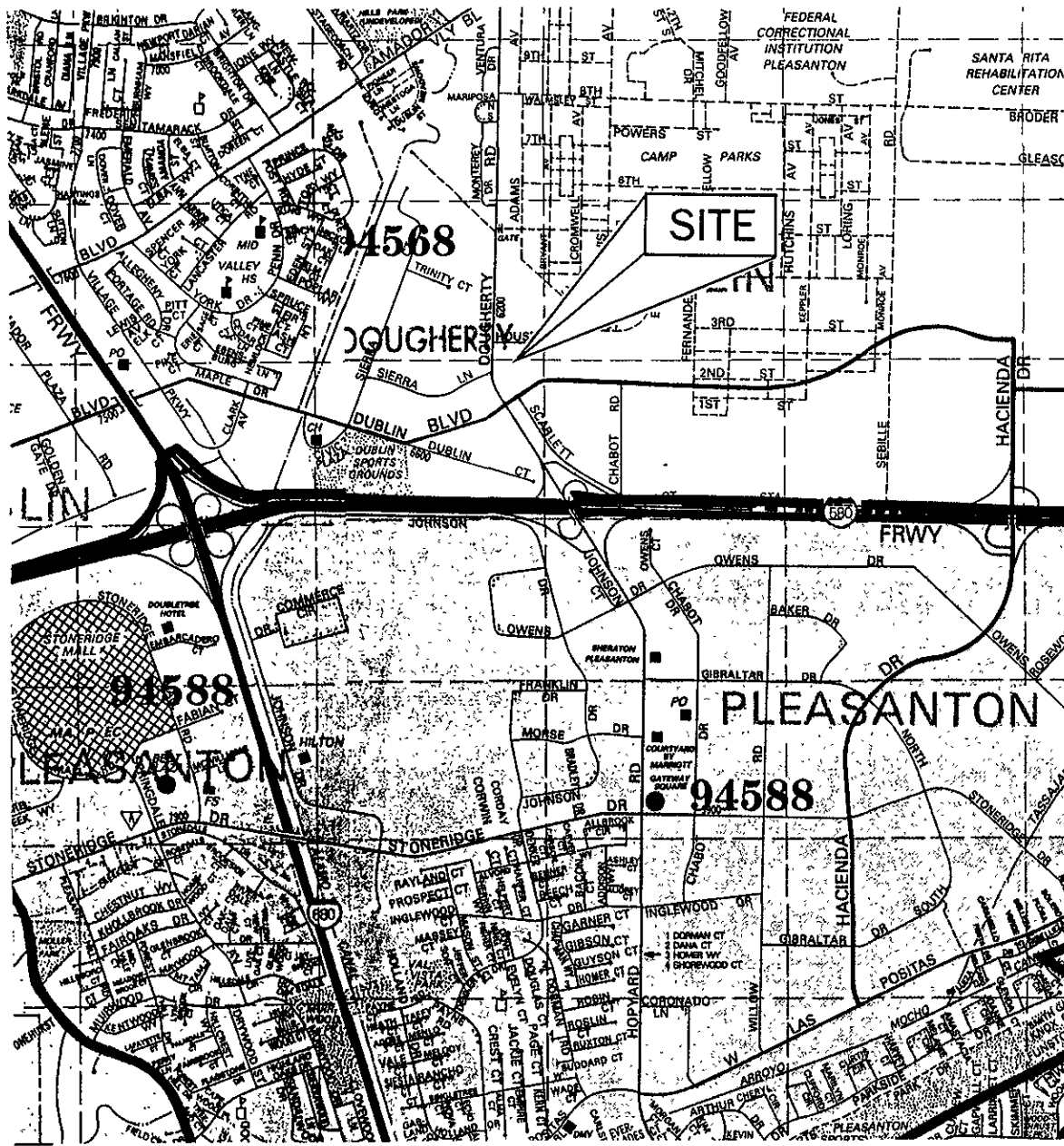
4.0 PERMITS AND NOTIFICATIONS

A permit was obtained from Zone 7 Water Agency for the destruction of the groundwater monitoring wells. A copy is included in Appendix A, Permits and Notification Documents, along with a copy of the letter from the ACHCSA. Ms. Eva Chu of the ACHCSA was notified of the well closures in advance, and a copy of this report has been submitted to the that agency, Mr. R. N. Stefan, and the Zone 7 Water Agency.

5.0 DESTRUCTION OF WELLS

AEI supervised the physical removal of the well casings from the on-site monitoring wells by Gregg Drilling on November 7, 1995. A CME 75 drill rig was used to drill to the bottom of each well, and the contents, consisting of various well construction materials, were augered out and stored on-site in 55-gallon soil drums pending disposal. Following the removal of the well construction materials, the wells were abandoned by filling each with grout from the bottom of the boring to the ground surface. The grout material shrank as it cured, so grout was used later to "top off" each boring, bringing each up to surface grade.

Following her review of this report, Ms. Eva Chu will issue a closure letter for the site.



Source: Thomas Brothers

ALL ENVIRONMENTAL, INC.
 2641 CROW CANYON ROAD, SAN RAMON, CA

DRAWN BY: MK

REVISED BY:

DATE: December, 1995

APPROVED BY:

SITE LOCATION MAP

Figure 1

5965 Dougherty Rd., Dublin, CA



MW-6



Two wells destroyed on 11/07/95



MW-1



Property Line

AGORA BUILDING SUPPLY, INC.
5965 DOUGHERTY ROAD
DUBLIN, CA

GATE



Scale: 1" = 68'

ALL ENVIRONMENTAL, INC.
2641 CROW CANYON ROAD, SAN RAMON, CA

DRAWN BY: MK

REVISED BY:

DATE: December, 1995

APPROVED BY:

SITE PLAN

Figure 2

5965 Dougherty Rd., Dublin, CA

Appendix A

Permits and Notification Documents

HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
 1131 Harbor Bay Parkway
 Alameda, CA 94502-6577
 (510) 587-6777

StID 4107

September 13, 1995

Mr. R. N. Stefan
 18 Sunnyside Ln
 Orinda, CA 94563

RE: Well Decommission at 5965 Dougherty Rd, Dublin, CA

Dear Mr. Stefan:

This office and the S.F. RWQCB have reviewed the case closure summary for the above referenced site and concur that no further action related to the underground tank release is required at this time. Before a remedial action completion letter is sent, the onsite monitoring well should be decommissioned, if they will no longer be monitored. Please notify this office upon completion of well destruction so a closure letter can be issued.

If you have any questions, I can be reached at (510) 567-6762.

Sincerely,

eva chu
 Hazardous Materials Specialist

cc: files

stefan.6

Post-it™ brand fax transmittal memo 7671		# of pages >	1
To	Mike Gillerman	From	Eva Chu
Co.	All Environmental	Co.	Alameda Health
Dept.		Phone #	(510) 567-6762
Fax #	838-2687	Fax #	



ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588

VOICE (510) 484-2600

FAX (510) 482-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT

5965 Dougherty Road
Dublin, CA 94568

PERMIT NUMBER _____

LOCATION NUMBER _____

CLIENT

Name R.N. Stefan
Address 18 Sunny Side Voice _____
City Orinda, CA Zip 94563

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT

Name All Environmental Inc (M. Killoran) Fax (510) 838-2687
Address 2641 Crow Canyon Rd #5 Voice (510) 820-3224
City San Ramon, CA Zip 94583

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.

TYPE OF PROJECT

Well Construction	_____	Geotechnical Investigation	_____
Cathodic Protection	_____	General	_____
Water Supply	_____	Contamination	_____
Monitoring	_____	Well Destruction	<u>X</u>

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.

PROPOSED WATER SUPPLY WELL USE

Domestic	_____	Industrial	_____	Other	_____
Municipal	_____	Irrigation	_____		

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.

DRILLING METHOD:

Mud Rotary _____ Air Rotary _____ Auger X
Cable _____ Other _____

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

DRILLER'S LICENSE NO. 485165
(Gregg Drilling)

E. WELL DESTRUCTION. See attached.

WELL PROJECTS

Drill Hole Diameter	<u>8.25</u> 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 11/7/95
ESTIMATED COMPLETION DATE 11/7/95

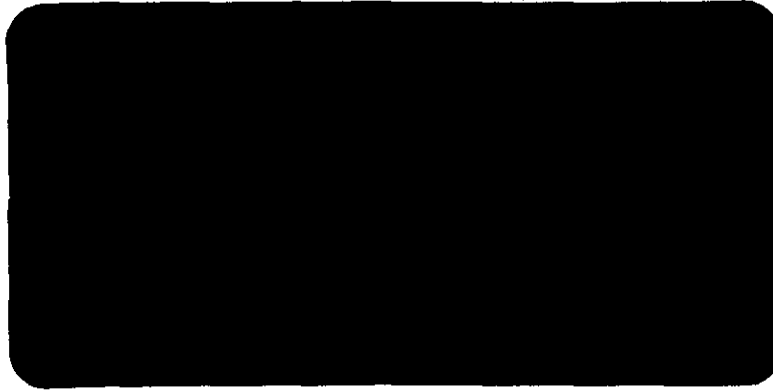
Approved _____ Date _____

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

APPLICANT'S SIGNATURE [Signature] Date 11/6/95

ENVIRONMENTAL
PROTECTION

95 DEC 14 PM 2:07



ALL ENVIRONMENTAL, INC.

AEI