

**CASE CLOSURE SUMMARY
SPILLS, LEAKS INVESTIGATION, AND CLEANUP PROGRAM**

I. AGENCY INFORMATION

Date: 9/5/2006

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6746
Responsible Staff Person: Steven Plunkett	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: AquaChlor		
Site Facility Address: 15885 Altamont Pass Road, Tracy, CA 93576		
RB Case No.: NA	Local Case No.: PR0505793	LOP Case No.: RO0002926
URF Filing Date: NA	SWEEPS No.: ---	APN: 99B-7750-5
Responsible Parties	Addresses	Phone Numbers
John Wallace	15885 Altamont Pass Road, Tracy, CA 93576	925-449-7946
Dale & Lucila Jensen	1852 11 th Street #558, Tracy, CA 95376-3736	--

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
NA	NA	NA	NA	NA
Piping			NA	NA

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Compressed gas cylinder were removed from storage unit containing liquid ethylene glycol. At which point the gas cylinders were transported to delivery vehicles and the excess liquid leaked off the gas cylinders.		
Site characterization complete? Yes	Date Approved By Oversight Agency: --	
Monitoring wells installed? No	Number: 0	Proper screened interval? NA
Highest GW Depth Below Ground Surface: 19 feet bgs.	Lowest Depth: NA	Flow Direction: Flow directions assumed southwest based on local geomorphology.
Most Sensitive Current Use: Potential drinking water source.		

Summary of Production Wells in Vicinity: According to a well survey performed by the responsible party there are 4 (four) domestic water supply wells within a 0.5 mile radius of the site. However, considering the limited extent of the ethylene glycol release, combined with the discontinuation of the practice ACEH does not believe that the release poses a significant threat to any sensitive receptors in the vicinity.

Are drinking water wells affected? No	Aquifer Name: Livermore Basin
Is surface water affected? No	Nearest SW Name: Mountain House Creek, approximately 2,200 Southwest of the site.
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	NA	--	--
Piping	NA	--	--
Free Product	NA	--	--
Soil	NA	--	--
Groundwater	NA	--	--

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP (Please see Attachments 1-4 for additional information on contaminant locations and concentrations)				
Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	--	--	--	--
TPH (Diesel)	--	--	--	--
Oil & Grease	--	--	--	--
Benzene	--	--	--	--
Toluene	--	--	--	--
Ethyl Benzene	--	--	--	--
Xylene	--	--	--	--
Heavy Metals	--	--	--	--
MTBE (if not analyzed, explain below)	--	--	--	--
Other: Ethylene Glycol	1700	<200	--	<200

Site History and Description of Corrective Actions:

The site is an active swimming pool maintenance and service company. The surrounding properties consist of open range and cattle grazing lands. The site is rural with no residential development. In August 2005 six shallow soil samples were collected at approximately 1.5 feet bgs. to determine the extent of ethylene-glycol contamination in the vicinity of the cylinder drag out station. The highest concentration of ethylene glycol tested was sample location S-2 at 1,700 mg/kg. All other soil sample locations tested below laboratory reporting limits.

In order to define the extent of vertical contamination, and to determine if groundwater was adversely impacted, ACEH requested a soil boring be installed adjacent to the S-2 surface sample location. All soil and groundwater sample tested below laboratory detection limits at this location.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes No		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes No		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current land use and conditions.		
Site Management Requirements: None		
Should corrective action be reviewed if land use changes? No		
Monitoring Wells Decommissioned: NA	Number Decommissioned: 0	Number Retained: 0
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

V. ADDITIONAL COMMENTS, DATA, ETC.


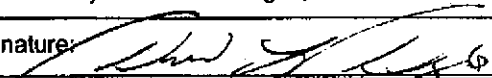
Considerations and/or Variances:

Given the existing site conditions, soil and groundwater confirmation sampling and the discontinued practice of the cylinder drag-out, the vertical and lateral extent of ethylene glycol contamination is very limited. Based on the limited lateral extent of contamination at the site no considerations or variances should apply to this site.

Conclusion:

Alameda County Environmental Health believe that the residual levels of contamination do not pose a significant threat to water resources, public health and safety, and the environment based on the information available in our files to date. No further investigation or cleanup is necessary. ACEH staff recommends case closure for this site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

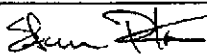
Prepared by: Steven Plunkett	Title: Hazardous Materials Specialist
Signature: 	Date: 9/5/2006
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature: 	Date: 09/05/06

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cheri McCaulou	Title: Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB:
Signature:	Date:

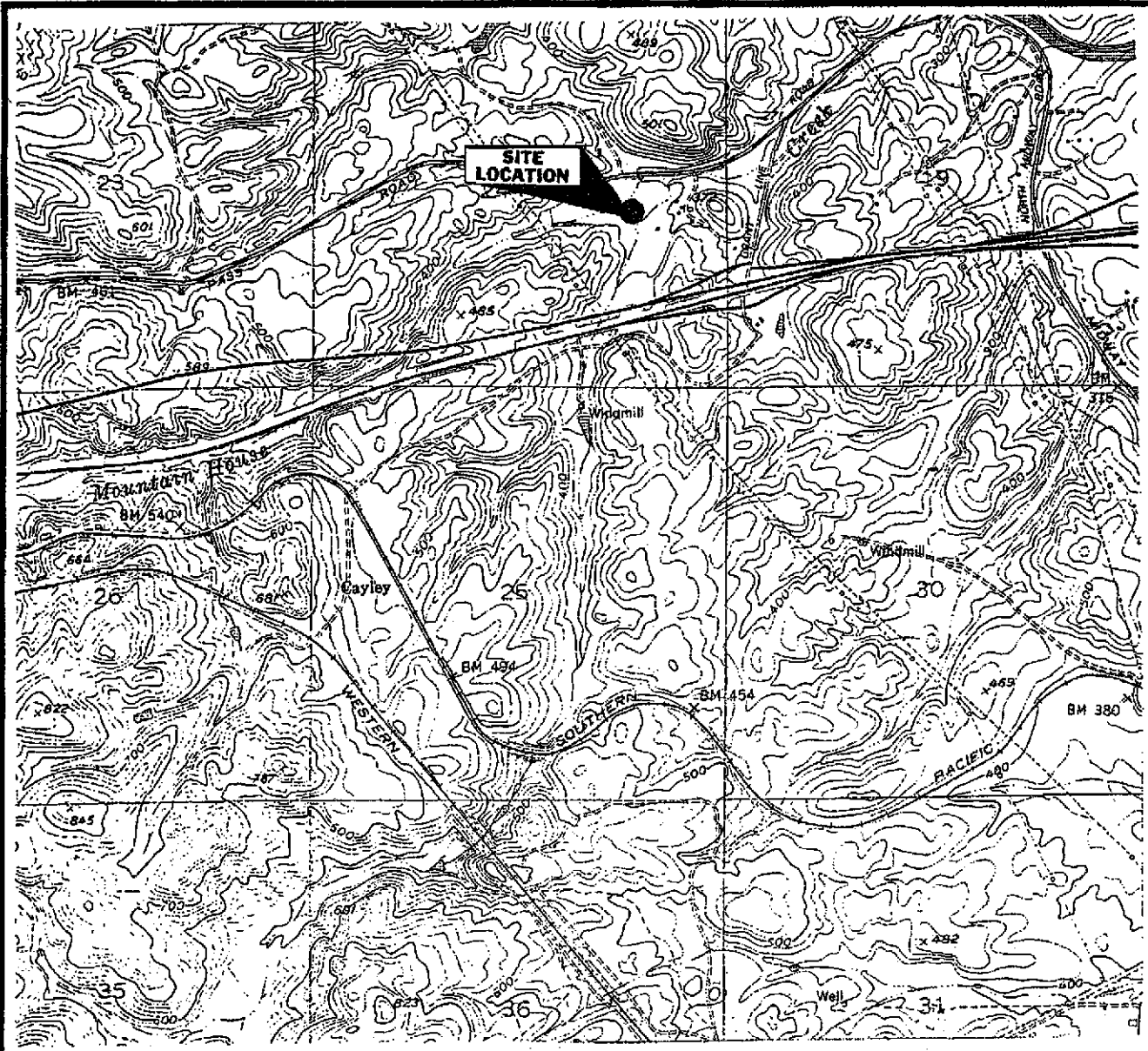
VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: NA	Date of Well Decommissioning Report: --	
All Monitoring Wells Decommissioned: --	Number Decommissioned: 0	Number Retained: 0
Reason Wells Retained: --		
Additional requirements for submittal of groundwater data from retained wells: --		
ACEH Concurrence - Signature: 	Date: 9/5/2006	

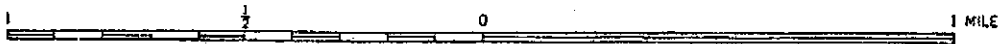
Attachments:

1. Site Vicinity Map
2. Site Plan
3. Soil Boring Location Map
4. Soil and Groundwater Analytical Data
5. Boring Logs (B-1)

This document and the related CASE CLOSURE LETTER shall be retained by the lead agency as part of the official site file.




SCALE 1:24000




CONTOUR INTERVAL 20 FEET



Base: U.S.G.S 7.5 Minute Midway Quadrangle

Reviewed By:


Approved By:


VICINITY LOCATION MAP

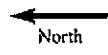
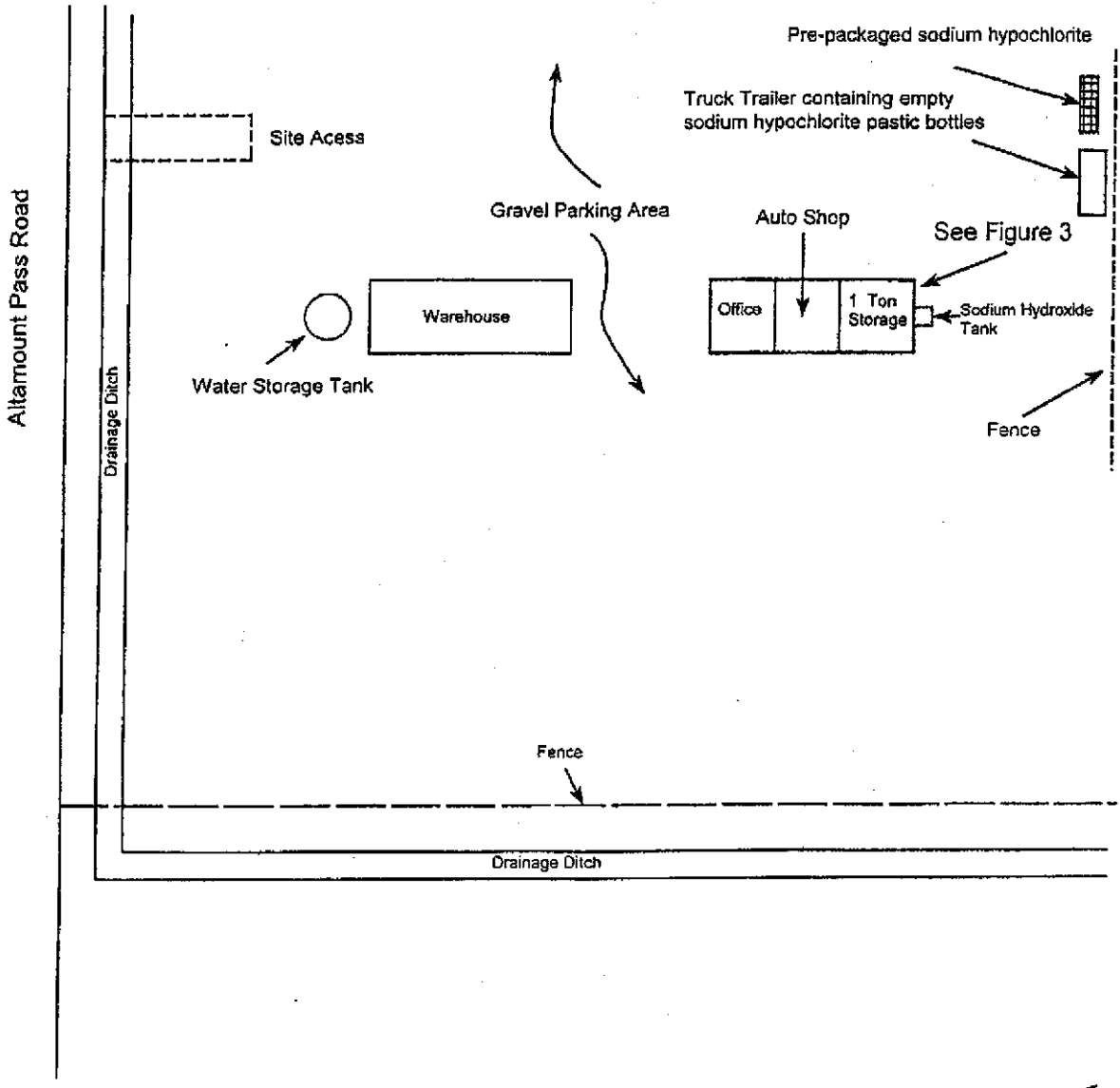
Aqua Chlor
15885 Altamont Pass Road
Tracy, California






Job No.:
 12176-1
 Date:
 3/14/2006

Drawn By:
 GM
 Fig. No.:
 1

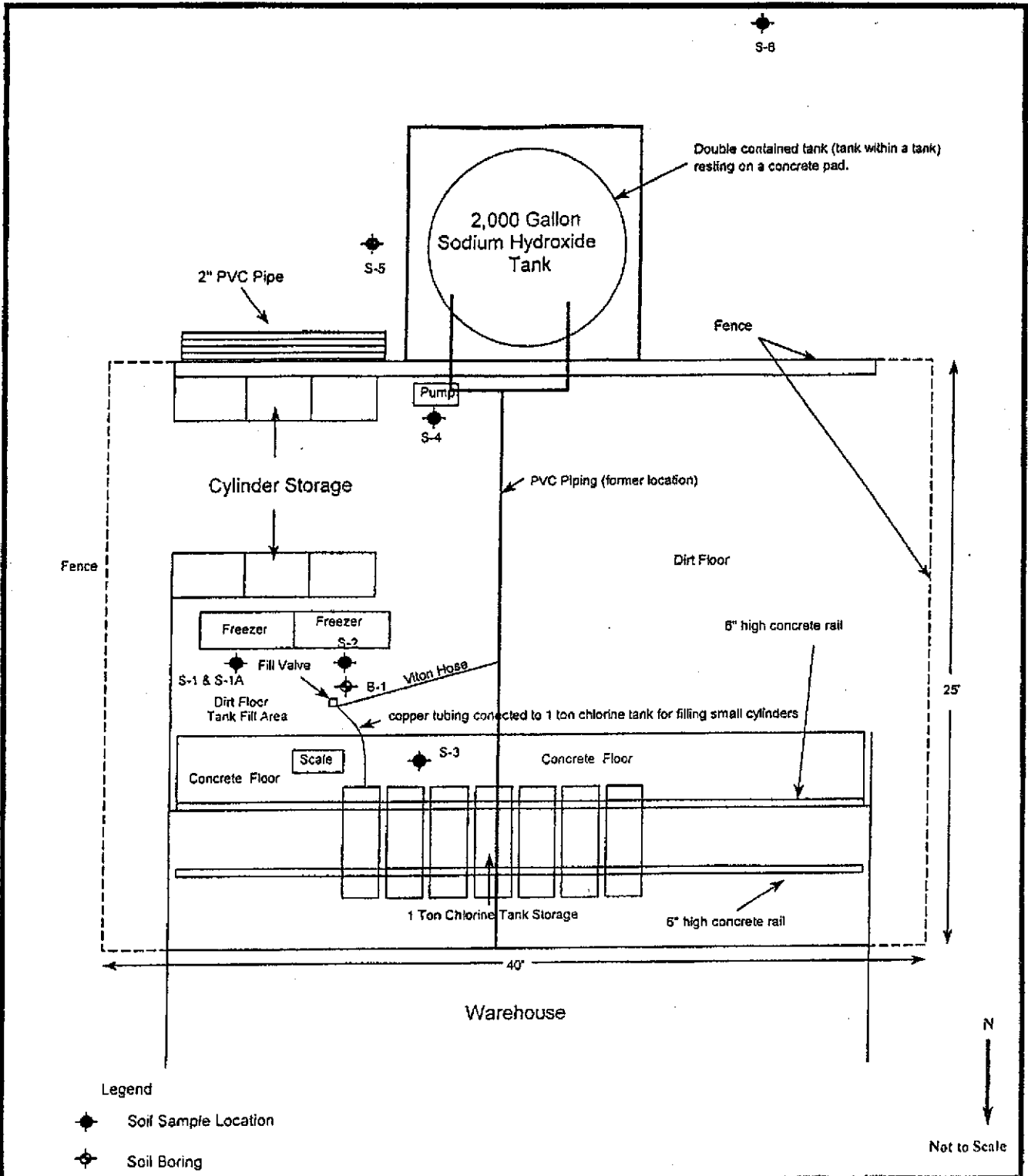
ATTACHMENT 1





Not to Scale

Reviewed By: 	GENERAL SITE MAP AQUA CHLOR 15885 Altamont Pass Road Tracy, California	 Compliance & Closure, Inc.		
Approved By: 		Job No.: 12176-1	Drawn By: GM	
		Date: 6/8/2005	Fig. No.: 2	

ATTACHMENT 2




Reviewed By:


Approved By:


SOIL BORING LOCATION MAP

Aqua Chlor
 15885 Altamont Pass Road
 Tracy, California

 Compliance & Closure, Inc.	
Job No.:	Drawn By:
12176-1	GM
Date:	Fig. No.:
4/17/2006	3

ATTACHMENT 3

Aqua Chlor
CCI Project No. 12176-1

TABLE 1

4/17/2006

Summary of Soil and Grab Water Sample Data
Aqua Chlor - 15885 Altamont Pass Road, Tracy, CA

Sample Number	Date Sampled	Sample Depth (Inches)	pH (SU)	Chloride (mg/kg)	Ethylene Glycol (mg/kg)
S-1	8/12/2005	15 to 22	9.7	1100	<25
S-1A	8/12/2005	22 to 28	8.8	1800	<25
S-2	8/12/2005	15 to 22	9.5	1200	1700
S-3	8/12/2005	15 to 22	8.1	1500	N/A
S-4	8/12/2005	15 to 22	8.7	1700	N/A
S-5	8/12/2005	15 to 22	8.9	1100	N/A
S-6	8/12/2005	15 to 22	9.0	920	<25
B-1-5	4/6/2006	5 ⁽²⁾	N/A	N/A	<200
B-1-10	4/6/2006	10 ⁽²⁾	N/A	N/A	<200
B-1-15	4/6/2006	15 ⁽²⁾	N/A	N/A	<200
B-1-20	4/6/2006	20 ⁽²⁾	N/A	N/A	<200
B-1-Water	4/6/2006	20 to 22 ⁽²⁾	N/A	N/A	<200 ⁽¹⁾

mg/kg Milligrams per kilogram
N/A Not Analyzed
< Below laboratory detection limit

Foot Note

- 1 Results reported in milligrams per liter
2 Sample Depth in Feet

ATTACHMENT 4

Project No. 12176-1 BORING No. B-1
 Logged by: GM Date: 4/6/2006
 Client: Aqua Chlor
 Location: Tracy, Alameda Co., CA

Drilling Method: Hollow Stem Page 1 of 1
 Boring Diameter: 8 " dia.
 Total Depth: 22' Casing Depth: N/A'
 Screen Length: N/A' Slot Size: N/A
 Blank Length: N/A' Sand Pack: N/A
 Top Sand Pack: N/A Top Bentonite: N/A
 Grout Seal: 22' Vault Box N/A MSL N/A

Permit: 26047
 Water Levels: 1st Enc: 19 feet Static: 6.5

Sample No.	PID /OV	Blow Count	Sample Depth	Lithology Log	Well Detail/ Backfill
				Base rock, saturated with water	
B-1-5	N/A	N=35	5	CL - Dark brown (7.5yr, 3/2) CLAY, moist, very stiff, medium plasticity, massive, no odors.	
B-1-10	N/A	N=38	10	CL - Dark yellow (10yr, 4/4) SANDY CLAY, moist, very stiff, 85% fines, 15% medium to coarse sand, rare (<5%) Fe+ stains, visible caliche, no odor.	
B-1-15	N/A	N=35	15	CL - Yellowish brown (10yr, 5/6), SILTY CLAY, moist, stiff, medium to low plasticity, some fine striations (caliche?), no odor.	
B-1-20	N/A	N=25	20	SW - Olive brown (2.5Y, 4/4) SAND, wet, medium dense, 95% fine to coarse grain, poorly sorted, subrounded grains, 5% fines, rare angular rock fragments, no odor.	
				Bottom at 22 feet	
			25		
			30		
			35		
			40		
				Reviewed by PG	