ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

September 19, 2007

Mr. Chet Green
Clorox Services Company
7200 Johnson Drive
Pleasanton, CA 94588-8004

Subject: SLIC Case RO0002940 and Geotracker Global ID SLT19726987, Clorox, 7200 Johnson Drive, Pleasanton, CA 94588

Dear Mr. Green:

This letter confirms the completion of site investigation and remedial actions for the soil and groundwater investigation at the above referenced site. We are also transmitting the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported releases at the subject site with the provision that the information provided to this agency was accurate and representative of existing conditions. The subject Spill, Leaks, Investigation, and Cleanup (SLIC) case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Hydraulic oil was not detected in soil or groundwater outside the elevator casing.

If you have any questions, please call Jerry Wickham at (510) 567-6791. Thank you.

Sincerely,

Donna L. Drogos, P.E.
LOP and SLIC Program Manager

Enclosures: SLIC Case Closure Summary

cc: Cherie McCaulou (w/enc.)
San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

Colleen Winey (w/ enc.), QIC 80201
Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani (w/ enc.)
Livermore-Pleasanton Fire Department
3560 Nevada Street
Pleasanton, CA 94566 (w/ enc)

City of Pleasanton Planning and Community Development (w/enc)
200 Old Bernal Avenue,
P.O. Box 520
Pleasanton, CA 94566-0802

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

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

I. AGENCY INFORMATION

Date: September 11, 2007

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6791
Responsible Staff Person: Jerry Wickham	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Clorox		
Site Facility Address: 7200 Johnson Drive, Pleasanton, CA 94588		
RB Case No.: --	Local Case No.: --	SLIC Case No.: RO0002940
URF Filing Date: 12/18/2006	Geotracker ID: SLT19726987	APN: 941-1311-19-1

Responsible Parties	Addresses	Phone Numbers
Chet Green, Clorox Services Company	7200 Johnson Drive, Pleasanton, CA 94588-8004	(925) 425-6624

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
Elevator Casing	Approximately 750 gallons	Hydraulic Oil	Repaired	December 2006
Piping			NA	NA

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Breach in subsurface elevator cylinder, probably due to corrosion, resulted in the release of approximately 20 gallons of hydraulic oil inside steel casing.	
Site characterization complete? Yes	Date Approved By Oversight Agency: -----

Monitoring wells installed? No	Number: 0	Proper screened interval? ---
Highest GW Depth Below Ground Surface: 14 feet bgs	Lowest Depth: 15 feet bgs	Flow Direction: Presumed to West Southwest based on data from adjacent site
Most Sensitive Current Use: Drinking water source.		

Summary of Production Wells in Vicinity: The nearest production well is 3S/1W 1R 1, which is located approximately 600 feet north of the site. The well was 49 feet deep when last sounded but was improperly destroyed during construction of the industrial park. Based on the absence of groundwater impact from the site and upgradient location from the site, this well does not appear to be a receptor for the site. The nearest downgradient production well is located more than 2,100 feet southwest of the site. Based on the absence of groundwater impact from the site and the distance to the downgradient production well, the well is not expected to be a receptor for the site.

Are drinking water wells affected? No	Aquifer Name: Dublin Subbasin of Livermore/Amador Basin
Is surface water affected? No	Nearest SW Name: Alamo Canal is approximately 550 feet west of the site.
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health and Livermore Pleasanton Fire Department

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	Not applicable	Elevator assembly was repaired.	12/2006
Piping	Not applicable	Not applicable	Not applicable
Free Product	---	---	---
Soil	6 cubic yards	Transported off-site for disposal by Veolia Technical Solutions in Richmond, CA.	04/12/2007 to 05/24/2007
Groundwater	2,850 gallons	Transported off-site for disposal at Evergreen Oil, Inc. in Newark, CA.	05/24/2007

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
(Please see Attachments 1 through 6 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	NA	NA	NA	NA
TPH (Diesel)	NA	NA	NA	NA
TPH (Hydraulic Oil)	<50	<50	<500	<500
Benzene	NA	NA	NA	NA
Toluene	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA
Xylenes	NA	NA	NA	NA
Heavy Metals	NA	NA	NA	NA
MTBE	NA	NA	NA	NA
Other (8240/8270)	<0.66(1)	<0.66(1)	13(2)	13(2)

1) No SVOCs detected in soil. No VOC analyses.
2) Butyl benzyl phthalate detected in grab groundwater sample from B-2 at a concentration of 13 ppb; possible sampling or laboratory contaminant. No other SVOCs detected in groundwater. No VOC analyses.

Site History and Description of Corrective Actions:

In December 2006, a hydraulic oil leak was discovered in the cylinder assembly of the freight elevator system in Building No. 3 of the Clorox facility in Pleasanton, CA. The freight elevator system includes a below-ground cylinder assembly (piston inside a cylinder) housed within a fixed steel casing that has an outside diameter of 22 inches. The volume of the hydraulic oil release was estimated at 15 to 20 gallons. Hydraulic oil in free phase was observed on water surface within the steel casing that housed the below-ground cylinder assembly. Hydraulic oil leaked from a hole in the cylinder housing approximately 28 feet below the elevator pit floor. The elevator was taken out of service and the system was drained of hydraulic oil. The below-ground cylinder assembly was dismantled and removed from the steel casing. After the removal of the cylinder assembly, hydraulic-impacted fill material and groundwater was removed from the casing for off-site disposal. The steel casing is open at the bottom and therefore, groundwater is able to enter the casing.

Two soil borings (B-1 and B-2) were advanced outside the steel casing to assess whether hydraulic oil had escaped from the steel casing and contaminated the surrounding soil and groundwater outside the casing. One soil boring (B-3) was also advanced inside the steel casing to assess soil at the bottom of the open casing. Boring B-1 was advanced to a depth of 31 feet below the elevator pit floor, which is equivalent to approximately 48 feet bgs. Total petroleum hydrocarbons (TPH) as hydraulic oil were not detected in the 9 soil samples collected from boring B-1. Boring B-2 was advanced to a depth of 37 feet below the elevator pit floor, which is equivalent to approximately 54 feet bgs. TPH as hydraulic oil were not detected in the 13 soil samples collected from boring B-2. No TPH as hydraulic oil or SVOCs were detected in a grab groundwater sample collected from boring B-2. One soil sample was collected in boring B-3 from soil at the base of the open casing at a depth of approximately 50 to 51.5 feet below the elevator pit floor. TPH as hydraulic oil and SVOCs were not detected in the soil sample from boring B-3. These results indicated that the hydraulic oil was contained within the steel casing and did not impact the surrounding soil and groundwater.

Between March 24 and March 26, 2007, groundwater was intermittently pumped out of the steel casing that formerly housed the elevator assembly in an effort to remove the residual floating hydraulic oil. On March 29, 2007, a grab sample was collected from water inside the steel casing. TPH as hydraulic oil was detected at a concentration of 440,000 ppb. ACEH requested that water be pumped out of the steel casing until the remaining water had no measurable floating product. On April 10 and 11, 2007, approximately 1,100 gallons of water was pumped from the steel casing that formerly housed the leaking hydraulic cylinder assembly. After pumping 1,100 gallons, no floating product was observed. Dewatering operations were considered complete and the elevator system was put back into operation.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
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		
Was a deed restriction or deed notification filed? No		Date Recorded: --
Monitoring Wells Decommissioned: ---	Number Decommissioned: 0	Number Retained: 0
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: ---		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

None.

Conclusion:

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

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham	Title: Hazardous Materials Specialist
Signature: Jerry Wickham	Date: 05/11/07
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature: Donna L. Drogos	Date: 05/11/07

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: Cherie McCaulou	Title: Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB:
Signature: Cherie McCaulou	Date: 9/18/07

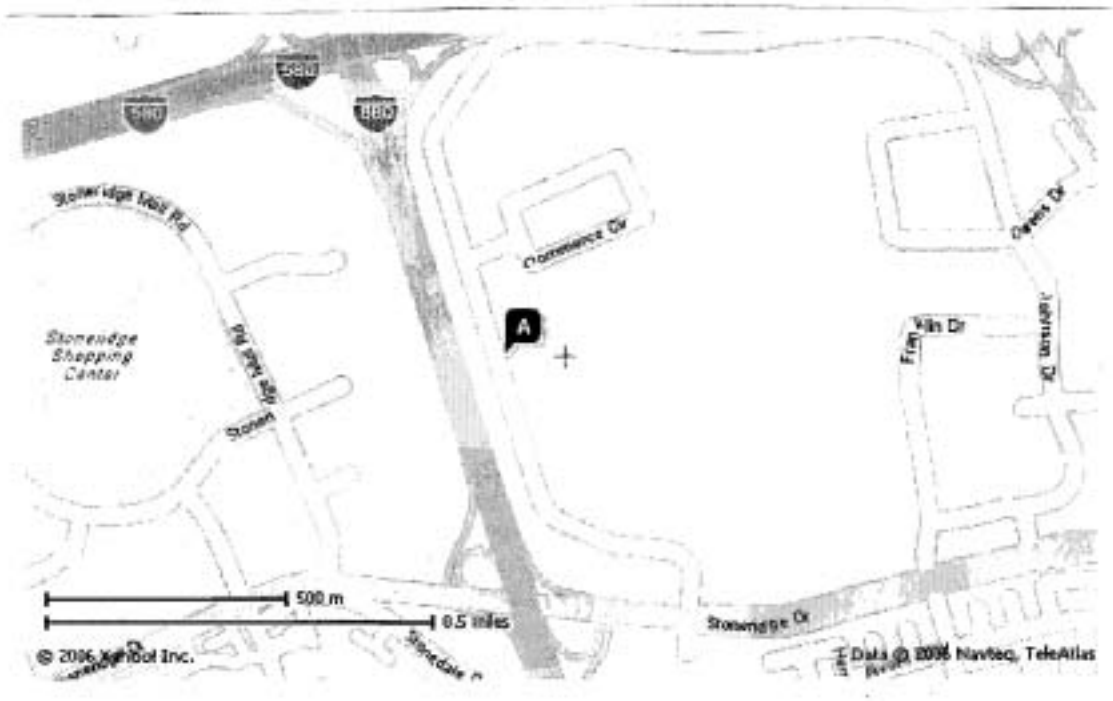
VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: NA	Date of Well Decommissioning Report: NA	
All Monitoring Wells Decommissioned: NA	Number Decommissioned: 0	Number Retained: 0
Reason Wells Retained: NA		
Additional requirements for submittal of groundwater data from retained wells: NA		
ACEH Concurrence - Signature: Jerry Wickham		Date: 09/19/07

Attachments:
1. Site Vicinity Map (1 page)
2. Plan View of Basement Building No. 3 (1 page)
3. Plan View and Cross-Sectional View of Elevator Pit Area in Basement Building No. 3 (1 page)
4. Soil Analytical Data (1 page)
5. Groundwater Analytical Data (5 pages)
6. Boring Logs (8 pages)

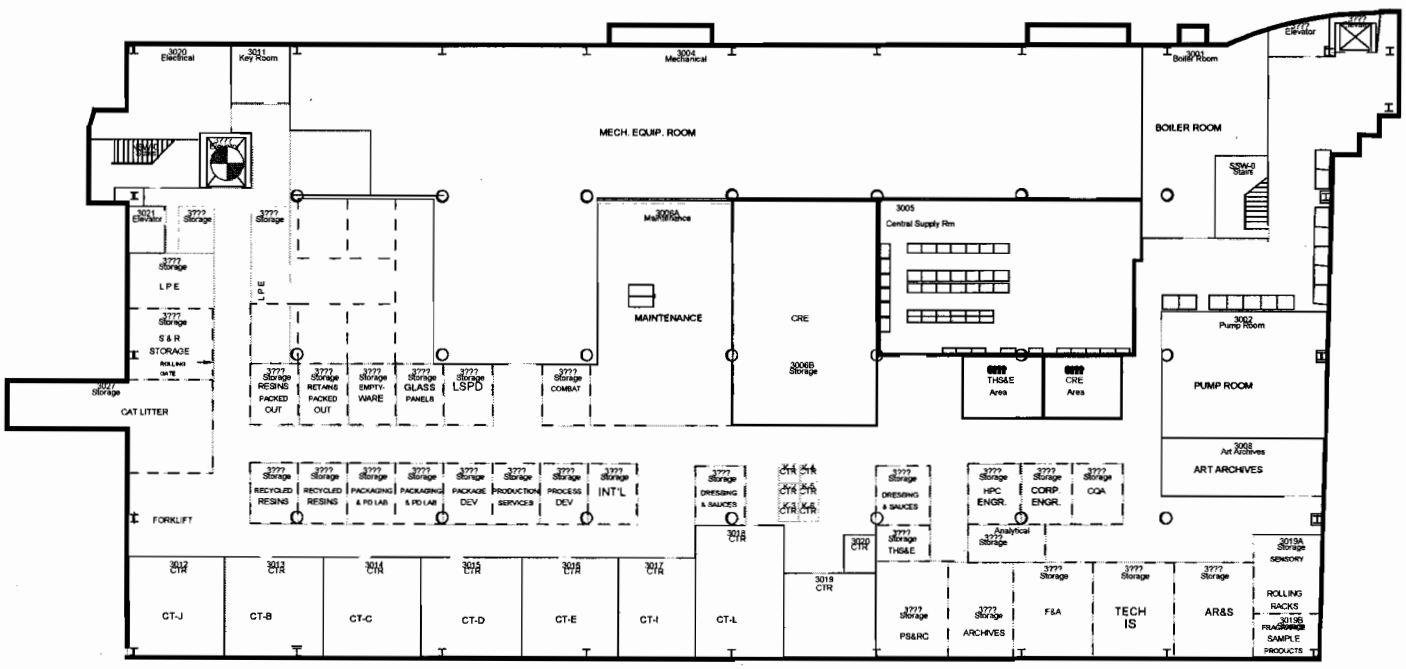
This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.

FIGURE 1. Site Vicinity Map



A: Site Location – 7200 Johnson Drive, Pleasanton, CA

[redacted]



Building No. 3 Basement

Parking Lot

Johnson Drive

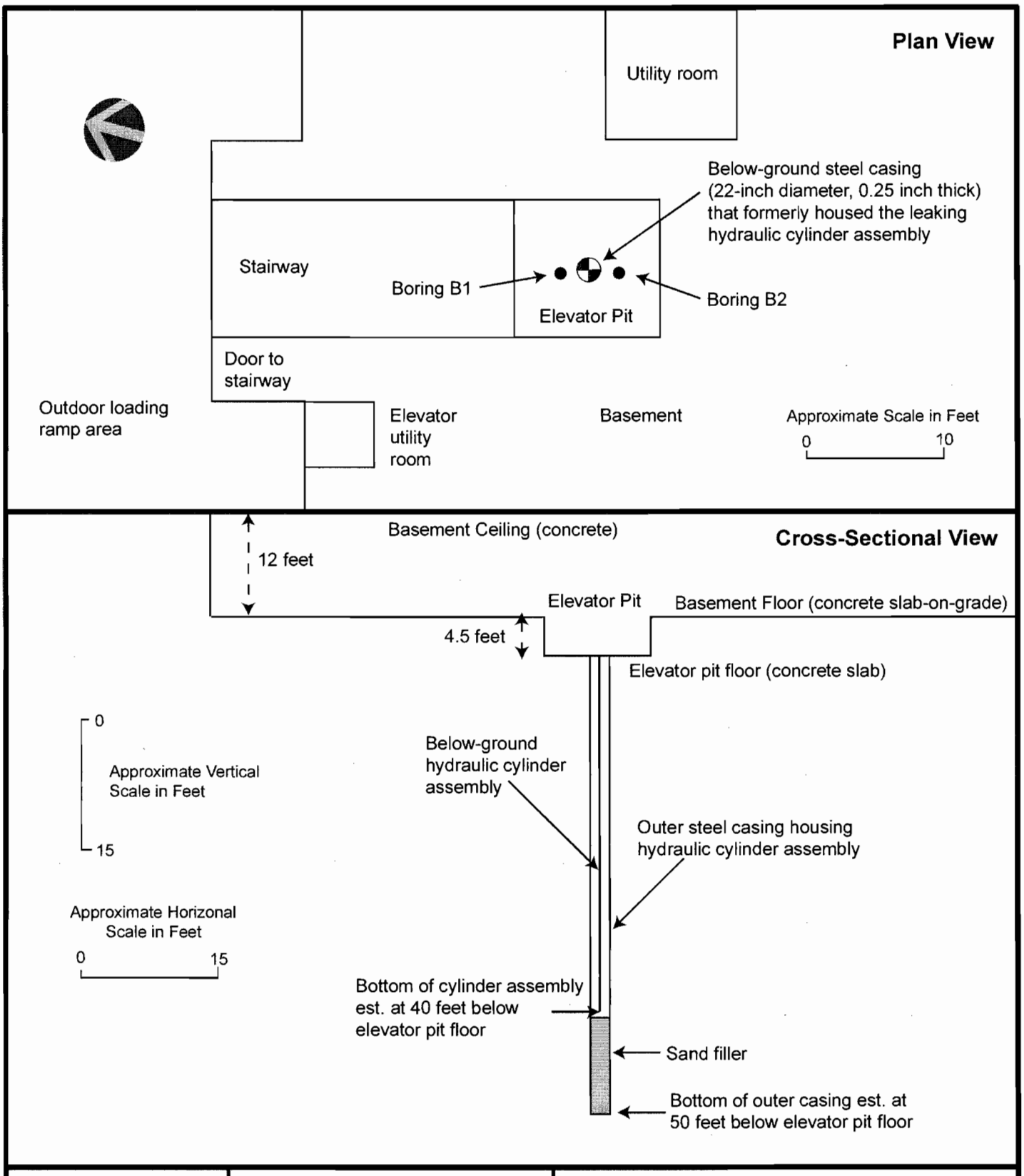
ALTREA, LLC.
P. O. Box 255251, Sacramento, CA 95865

Location of Elevator Pit in Basement of Building No. 3

Approximate Scale in Feet
0 40

FIGURE 1:
Plan View of Basement of Building No. 3
Clorox Services Facility
7200 Johnson Drive
Pleasanton, CA 94588

[redacted]



ALTREA LLC **P. O. Box 255251** **Sacramento, CA 95865**	**Clorox Services Facility** **7200 Johnson Drive** **Pleasanton, CA**	**Figure 2:** **Plan View and Cross-Sectional View of Elevator Pit Area in Basement Building No. 3**
	May 2007	

Table 1. Laboratory Analyses Results of Soil Samples, Boring B2

Soil Sample	Sample Date	Sample Depth (feet below elevator pit floor)	TPHho (mg/kg)
B2-23/29"	03/22/07	1.3 to 1.9 feet	ND (<50)
B2-4/4.5	03/22/07	4.0 to 4.5 feet	ND (<50)
B2-7.5/8	03/22/07	7.5 to 8.0 feet	ND (<50)
B2-10.5/11	03/22/07	10.5 to 11.0 feet	ND (<50)
B2-13.5/14	03/23/07	13.5 to 14.0 feet	ND (<50)
B2-16.5/17	03/23/07	16.5 to 17.0 feet	ND (<50)
B2-19.5/20	03/23/07	19.5 to 20.0 feet	ND (<50)
B2-22.5/23	03/23/07	22.5 to 23.0 feet	ND (<50)
B2-25.5/26	03/23/07	25.5 to 26.0 feet	ND (<50)
B2-27/27.5	03/23/07	27.0 to 27.5 feet	ND (<50)
B2-28.5/29	03/23/07	28.5 to 29.0 feet	ND (<50)
B2-30/30.5	03/23/07	30.0 to 30.5 feet	ND (<50)
B2-34/34.5	03/23/07	34.0 to 34.5 feet	ND (<50)

Table 2. Laboratory Analyses Results of Soil Samples, Boring B1

Soil Sample	Sample Date	Sample Depth (feet below elevator pit floor)	TPHho (mg/kg)
B1-23/29"	03/26/07	1.3 to 1.9 feet	ND (<49)
B1-4/4.5	03/26/07	4.0 to 4.5 feet	ND (<50)
B1-7/7.5	03/26/07	7.0 to 7.5 feet	ND (<49)
B1-10/10.5	03/26/07	10.0 to 10.5 feet	ND (<50)
B1-13/13.5	03/26/07	13.0 to 13.5 feet	ND (<50)
B1-16/16.5	03/26/07	16.0 to 16.5 feet	ND (<49)
B1-23/23.5	03/26/07	23.0 to 23.5 feet	ND (<50)
B1-27.5/28	03/26/07	27.5 to 28.0 feet	ND (<49)
B1-30/30.5	03/26/07	30.0 to 30.5 feet	ND (<49)

Table Notes:

Sample Depth: Measured in feet relative to the elevator pit floor.

TPHho: Total petroleum hydrocarbons as hydraulic oil (C9-C36) by EPA Method 8015B with silica gel cleanup, and expressed in milligrams per kilogram (mg/kg), not corrected for moisture content. Analytical results of the soil samples indicated 20% to 25% moisture content in the soil samples, **Appendix D**.

[redacted]

Client: Altrea LLC

Job Number: 720-8362-1

Client Sample ID: **B2-GW3**

Lab Sample ID: 720-8362-1
Client Matrix: Water

Date Sampled: 03/23/2007 1305
Date Received: 03/23/2007 1635

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 03/27/2007 0213
Date Prepared: 03/23/2007 1225

Analysis Batch: 720-19742
Prep Batch: 720-19623

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Hydraulic Oil Range Organics (C9 - C36)	ND		500

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	84	50 - 130
Capric Acid (Surr)	0	0 - 5

[redacted]

Client: Altrea LLC

Job Number: 720-8381-1

Client Sample ID: **B1-GW2**

Lab Sample ID: 720-8381-1
Client Matrix: Water

Date Sampled: 03/26/2007 1145
Date Received: 03/26/2007 1530

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 03/27/2007 2054
Date Prepared: 03/26/2007 1222

Analysis Batch: 720-19800
Prep Batch: 720-19699

Instrument ID: Sat 2K2
Lab File ID: c:\saturnws\epdata\data\200
Initial Weight/Volume: 800 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Phenol	ND		2.5
Bis(2-chloroethyl)ether	ND		2.5
2-Chlorophenol	ND		2.5
1,3-Dichlorobenzene	ND		2.5
1,4-Dichlorobenzene	ND		2.5
Benzyl alcohol	ND		6.3
1,2-Dichlorobenzene	ND		2.5
2-Methylphenol	ND		2.5
4-Methylphenol	ND	*	2.5
N-Nitrosodi-n-propylamine	ND		2.5
Hexachloroethane	ND		2.5
Nitrobenzene	ND		2.5
Isophorone	ND		2.5
2-Nitrophenol	ND		2.5
2,4-Dimethylphenol	ND		2.5
Bis(2-chloroethoxy)methane	ND		6.3
2,4-Dichlorophenol	ND		6.3
1,2,4-Trichlorobenzene	ND		2.5
Naphthalene	ND		2.5
4-Chloroaniline	ND		2.5
Hexachlorobutadiene	ND		2.5
4-Chloro-3-methylphenol	ND		6.3
2-Methylnaphthalene	ND		2.5
Hexachlorocyclopentadiene	ND		6.3
2,4,6-Trichlorophenol	ND		2.5
2,4,5-Trichlorophenol	ND		2.5
2-Chloronaphthalene	ND		2.5
2-Nitroaniline	ND		13
Dimethyl phthalate	ND		6.3
Acenaphthylene	ND		2.5
3-Nitroaniline	ND		6.3
Acenaphthene	ND		2.5
2,4-Dinitrophenol	ND		13
4-Nitrophenol	ND		13
Dibenzofuran	ND		2.5
2,4-Dinitrotoluene	ND		2.5
2,6-Dinitrotoluene	ND		6.3
Diethyl phthalate	ND		6.3
4-Chlorophenyl phenyl ether	ND		6.3
Fluorene	ND		2.5
4-Nitroaniline	ND		13
2-Methyl-4,6-dinitrophenol	ND		13
N-Nitrosodiphenylamine	ND		2.5

Client: Altrea LLC

Job Number: 720-8381-1

Client Sample ID: **B1-GW2**

Lab Sample ID: 720-8381-1
Client Matrix: Water

Date Sampled: 03/26/2007 1145
Date Received: 03/26/2007 1530

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 03/27/2007 2054
Date Prepared: 03/26/2007 1222

Analysis Batch: 720-19800
Prep Batch: 720-19699

Instrument ID: Sat 2K2
Lab File ID: c:\saturnws\epdata\data\200
Initial Weight/Volume: 800 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
4-Bromophenyl phenyl ether	ND		6.3
Hexachlorobenzene	ND		2.5
Pentachlorophenol	ND		13
Phenanthrene	ND		2.5
Anthracene	ND		2.5
Di-n-butyl phthalate	ND		6.3
Fluoranthene	ND		2.5
Pyrene	ND		2.5
Butyl benzyl phthalate	13		6.3
3,3'-Dichlorobenzidine	ND		6.3
Benzo[a]anthracene	ND		6.3
Bis(2-ethylhexyl) phthalate	ND		13
Chrysene	ND		2.5
Di-n-octyl phthalate	ND		25
Benzo[b]fluoranthene	ND		2.5
Benzo[a]pyrene	ND		2.5
Benzo[k]fluoranthene	ND		2.5
Indeno[1,2,3-cd]pyrene	ND		2.5
Benzo[g,h,i]perylene	ND		2.5
Benzoic acid	ND		13
Azobenzene	ND		2.5
Dibenz(a,h)anthracene	ND		2.5

Surrogate	%Rec	Acceptance Limits
Nitrobenzene-d5	60	6 - 98
2-Fluorobiphenyl	58	6 - 103
Terphenyl-d14	37	36 - 106
2-Fluorophenol	38	1 - 66
Phenol-d5	28	1 - 47
2,4,6-Tribromophenol	75	22 - 124

Client: Altrea LLC

Job Number: 720-8381-1

Client Sample ID: B1-GW2

Lab Sample ID: 720-8381-1
Client Matrix: Water

Date Sampled: 03/26/2007 1145
Date Received: 03/26/2007 1530

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 03/27/2007 1407
Date Prepared: 03/26/2007 1616

Analysis Batch: 720-19761
Prep Batch: 720-19719

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Hydraulic Oil Range Organics (C9 - C36)	ND		500

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	80	50 - 130
Capric Acid (Surr)	0	0 - 5

Client: Altrea LLC

Job Number: 720-8440-1

Client Sample ID: B3-GW

Lab Sample ID: 720-8440-1
Client Matrix: Water

Date Sampled: 03/29/2007 0920
Date Received: 03/29/2007 1348

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C SGC
Dilution: 50
Date Analyzed: 03/31/2007 1444
Date Prepared: 03/29/2007 1230

Analysis Batch: 720-19971
Prep Batch: 720-19855

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Hydraulic Oil Range Organics (C9 - C36)	440000		25000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	D	50 - 130
Capric Acid (Surr)	0		0 - 5

LOG OF BORING B-1

Project:	Clorox Services Company	**Start Date:**	March 26, 2007
Address:	7200 Johnson Drive, Pleasanton, CA	**End Date:**	March 29, 2007
Site:	Freight elevator in basement of Building No. 3	**Hole Depth:**	31 feet below elevator pit floor
Driller:	K. M. McRae, Inc. (C57 #424355)	**Hole Diameter:**	Approximately 8 inches
Drill Rig:	Hollow stem augers, 8-inch diameter	**Logged By:**	Paul Studemeister, CEG 1746

Sample Label	Sample Depth	Sample Time	Sample Date	Field PID, TVOs	Depth, feet	Sample Interval	USCS	Description
					0			Elevator pit floor
								Elevator pit concrete slab, 12-inches thick
B1-23/29"	1.9 to 2.4 ft	9:00 AM	03/26/07	1.3 ppm at 2 to 2.5 ft	2		CL	Silty CLAY (CL): Dark gray mottled light-gray by calcareous clots/lining, est. 5%-10% fine-grained sand, low-medium plasticity, stiff, moist
B1-4/4.5	4.0 to 4.5 ft	9:10 AM	03/26/07	2.2 ppm at 3.5 to 4 ft	4			
B1-7/7.5	7.0 to 7.5 ft	9:30 AM	03/26/07	3.2 ppm at 6.5 to 7.5 ft	6			
B1-10/10.5	10.0 to 10.5 ft	9:35 PM	03/26/07	2.7 ppm at 9.5 to 10 ft	8			
B1-13/13.5	13.0 to 13.5 ft	9:45 AM	03/26/07	1.8 ppm at 12.5 to 13 ft	10		CL	Silty CLAY (CL): Olive gray with light gray mottling by calcareous clots/linings, with est. 5-10% fine-grained sand, low-medium plasticity, stiff, moist
B1-16/16.5	16.0 to 16.5 ft	10:00 AM	03/26/07	1.8 ppm at 15.5 to 16 ft	12		CL	Silty CLAY (CL): Dark gray with light gray calcareous clots/linings, with 5-10% fine-grained sand, low-medium plasticity, stiff, moist
B1-19/19.5	19.0 to 19.5 ft	10:10 AM	03/26/07	1.1 ppm at 18.5 to 19 ft	14		CL	CLAY (CL): Greenish gray with some light gray calcareous clots/linings, medium plasticity, stiff, moist with wet spots
B1-23/23.5	23.0 to 23.5 ft	10:15 AM	03/26/07	1.0 ppm at 22 to 23 ft	16			
B1-26/26.5	26.0 to 26.5 ft	11:40 AM	03/26/07	1.2 ppm at 25.5 to 26.5 ft	18			
B1-27.5/28	27.5 to 28.0 ft	11:50 AM	03/26/07	2.0 ppm at 26.5 to 27.5 ft	20			
B1-29.0/29.5	29.0 to 29.5 ft	11:55 AM	03/26/07	1.0 ppm at 28.5 to 29 ft	22			
B1-30/30.5	30 to 30.5 ft	12:10 PM	03/26/07	1.8 ppm at 30 to 31 ft	24		ML	Clayey SILT (ML): Olive gray, with fine-grained sand est. 10%-15%, crumbly under finger pressure, low plasticity, moist/wet
					26			
					28			
					30			
								END OF BOREHOLE AT 31 FEET DEPTH

[redacted]

LOG OF BORING B-1 (CONTINUATION)

Project:	Clorox Services Company	**Start Date:**	March 26, 2007
Address:	7200 Johnson Drive, Pleasanton, CA	**End Date:**	March 29, 2007
Site:	Freight elevator in basement of Building No. 3	**Hole Depth:**	31 feet below elevator pit floor
Driller:	K. M. McRae, Inc. (C57 #424355)	**Hole Diameter:**	Approximately 8 inches
Drill Rig:	Hollow stem augers, 8-inch diameter	**Logged By:**	Paul Studemeister, CEG 1746

Notes:

On 03/21/07, a 10-inch hole was cored into the floor slab at Boring B1. Because the elevator pit is below the water table, water leaked out of the cored hole overnight and accumulated on the floor of the elevator pit. At 6:00 AM on 03/22/07, less than 1-inch of water had accumulated on the floor of the elevator pit. Between 6:00 AM and 8:00 AM, 03/22/07, the driller vacuumed and pumped out the water from the elevator pit into a 55-gallon drum, and then placed a temporary plug in the cored hole of Boring B1. Drilling and soil sampling at Boring B1 was performed on 03/26/07 with the use of hollow stem augers. A soil sampler containing 3 replaceable inner steel sleeves of 6-inch length was used to collect soil samples from between the base of the elevator pit slab and the base of the boring. Soil sampling consisted of lowering the soil sampler down the hollow stem of the auger flight and driving the sampler by percussion 1.5 feet into the undisturbed soils. Soils were inspected and field screened with a portable photo-ionization detector (PID). The bottom sleeve was sealed with caps, labeled and selected for possible laboratory analyses.

After continuous soil sampling from 25 to 30.5 feet depth, the auger flight was raised from the borehole and a grab groundwater sample was collected with the use of a dedicated disposable bailer. Groundwater from the bailer was transferred into laboratory-supplied containers. The groundwater sample (B1-GW2: 11:45 AM, 03/26/07) was placed into a cooler with ice. Depth-to-water was 7.75 feet below elevator pit floor. The groundwater was clear with no visible sheen and no free-phase floating product; no hydrocarbon odor was noted. The top of borehole was sealed with the temporary plug.

On 03/29/07, Boring B1 was backfilled by the driller with neat cement by tremie pipe. After lowering the water level in the borehole to 10 feet depth, neat cement delivered to the site by cement truck was pumped from the bottom up. Groundwater displaced by the grout was pumped to temporary storage tanks. The top one foot of the borehole was finished with a concrete-bentonite patch.

LOG OF BORING B-2

Project:	Clorox Services Company	**Start Date:**	March 22, 2007
Address:	7200 Johnson Drive, Pleasanton, CA	**End Date:**	March 24, 2007
Site:	Freight elevator in basement of Building No. 3	**Hole Depth:**	37.25 feet below elevator pit floor
Driller:	K. M. McRae, Inc. (C57 #424355)	**Hole Diameter:**	Approximately 8 inches
Drill Rig:	Hollow stem augers, 8-inch diameter	**Logged By:**	Paul Studemeister, CEG 1746

Sample Label	Sample Depth	Sample Time	Sample Date	Field PID, TVOs	Depth, feet	Sample Interval	USCS	Description
					0			Elevator pit floor
								Elevator pit concrete slab, 12-inches thick
B2-23/29"	1.9 to 1.4 ft	9:55 AM	03/22/07	1.7 ppm at 2 to 2.5 ft	2		CL	Silty CLAY (CL): Dark gray mottled light gray by calcareous clots/linings, with est. 5%-10% fine-grained sand, low-medium plasticity, stiff, damp with moist spots
B2-4/4.5	4.0 to 4.5 ft	1:10 PM	03/22/07	2.2 ppm at 3.5 to 4 ft	4			
					6			
B2-7.5/8	7.5 to 8.0 ft	1:40 PM	03/22/07	3.2 ppm at 6.5 to 7.5 ft	8			
					10			
B2-10.5/11	10.5 to 11.0 ft	1:50 PM	03/22/07	4.0 ppm at 10 to 10.5 ft			CL	Silty CLAY (CL): Olive gray, with minor amounts of fine-grained sand (est. 5%-10%), light gray calcareous clots/linings, low-medium plasticity, stiff to medium stiff, moist
					12			
B2-13.5/14	13.5 to 14.0 ft	7:20 AM	03/23/07	1.1 ppm at 14 to 14.5 ft	14			
					16		CL	CLAY (CL): Greenish gray, minor (5%) fine-grained sand, some light gray calcareous clots/linings, medium plasticity, stiff, moist
B2-16.5/17	16.5 to 17.0 ft	8:15 AM	03/23/07	1.2 ppm at 16 to 16.5 ft				
					18			
B2-19.5/20	19.5 to 20.0 ft	8:55 AM	03/23/07	1.2 ppm at 19 to 19.5 ft	20			
					22			
B2-22.5/23	22.5 to 23.0 ft	9:20 AM	03/23/07	1.8 ppm at 22 to 22.5 ft			CL/ML	SILTY CLAY TO CLAYEY SILT (CL/ML): Olive gray, minor fine-grained sand, crumbly under finger pressure, low plasticity, stiff, moist
					24			
B2-25.5/26	25.5 to 26.0 ft	9:55 AM	03/23/07	3.2 ppm at 25 to 25.5 ft	26			
B2-27/27.5	27.0 to 27.5 ft	10:55 AM	03/23/07	2.2 ppm at 26.5 to 27.5 ft				
					28			
B2-28.5/29	28.5 to 29.0 ft	11:07 AM	03/23/07	0.9 ppm at 28 to 28.5 ft				
				0.9 ppm at 30 ft	30			

LOG OF BORING B-2

Project:	Clorox Services Company	**Start Date:**	March 22, 2007
Address:	7200 Johnson Drive, Pleasanton, CA	**End Date:**	March 24, 2007
Site:	Freight elevator in basement of Building No. 3	**Hole Depth:**	37.25 feet below elevator pit floor
Driller:	K. M. McRae, Inc. (C57 #424355)	**Hole Diameter:**	Approximately 8 inches
Drill Rig:	Hollow stem augers, 8-inch diameter	**Logged By:**	Paul Studemeister, CEG 1746

Sample Label	Sample Depth	Sample Time	Sample Date	Field PID, TVOs	Depth, feet	Sample Interval	USCS	Description
					30			
B2-30/30.5	30.0 to 30.5 ft	11:20 AM	03/23/07					
					32			
				4.1 ppm at 33.5 to 34 ft			SC	CLAYEY SAND (SC): Olive brown, with minor medium- and coarse-grained sand and fine gravel (est. 5-10%), poorly graded, dense, wet
					34			
B2-34/34.5	34.0 to 34.5 ft	12:00 PM	03/23/07	3.2 ppm at 34.5 ft				
					36			
				3.0 ppm at 37 to 37.25 ft			SM	SILTY SAND (SM): Fine- to medium-grained sand, dense
					38			**END OF BOREHOLE AT 37.25 FEET DEPTH**
					40			

Notes:

On 03/21/07, a 10-inch hole was cored into the floor slab at Boring B2. Because the elevator pit is below the water table, water seeped out of the cored hole overnight and accumulated in the elevator pit. At 6:00 AM on 03/22/07, less than 1-inch of water had accumulated in the elevator pit. Between 6:00 AM and 8:00 AM, the driller vacuumed and pumped-out the water from the elevator pit into a 55-gallon drum. Drilling and soil sampling of Boring B2 was performed on 03/22/07 and 03/23/07 using hollow stem augers. A soil sampler containing 3 replaceable inner steel sleeves of 6-inch length was used to collect soil samples between the elevator pit slab and borehole bottom. Soil sampling consisted of lowering the soil sampler down the hollow stem of the auger flight and driving the sampler by percussion 1.5 feet into the undisturbed soil. Soils were inspected and field screened with a portable photo-ionization detector (PID). The bottom sleeve was sealed with caps, labeled and selected for possible laboratory analyses.

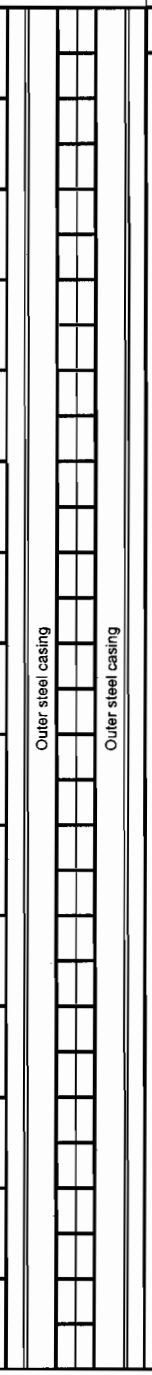
After continuous soil sampling from 24.5 to 30.5 feet depth on 03/23/07, the auger flight was raised and a grab groundwater sample was collected from Boring B2 with the use of a dedicated disposable bailer. Groundwater from the bailer was transferred into laboratory-supplied containers. The groundwater sample (B2-GW2: 11:25 AM, 03/23/07) was placed into a cooler with ice. The groundwater was clear with no visible sheen and no free-phase floating product; no hydrocarbon odor was noted. Drilling and soil sampling resumed and the borehole was advanced to approximately 37 feet depth. Hard drilling and artesian groundwater were encountered at 33 feet depth, and the sampler was advanced only 0.25 feet from 37 to 37.25 feet. Groundwater under pressure seeped out of the top of the augers. A grab groundwater sample (B2-GW3: 1:05 PM, 03/23/07) was collected from the top of the borehole, transferred into sample containers and placed into a cooler with ice. A temporary plug was placed at the top of the borehole.

On 03/24/07, the borehole was backfilled by the driller with neat cement by tremie pipe. Neat cement was pumped from a cement truck to the borehole from the bottom up. Groundwater displaced by the grout was pumped to temporary storage tanks. The top foot of the borehole was finished with a concrete-bentonite patch.

LOG OF BORING B-3

Project:	Clorox Services Company	**Start Date:**	March 29, 2007
Address:	7200 Johnson Drive, Pleasanton, CA	**End Date:**	March 29, 2007
Site:	Freight elevator in basement of Building No. 3	**Hole Depth:**	51 feet below elevator pit floor
Driller:	K. M. McRae, Inc. (C57 #424355)	**Hole Diameter:**	Approximately 8 inches
Drill Rig:	Hollow stem augers, 8-inch diameter	**Logged By:**	Paul Studemeister, CEG 1746

Sample Label	Sample Depth	Sample Time	Sample Date	Field PID, TVOs	Depth, feet	Sample Interval	USCS	Description
					0			Floor of elevator pit
								Elevator pit concrete floor slab, 12 inches thick
					2			Outer steel casing that formerly housed leaking hydraulic cylinder assembly, now occupied by groundwater
					4			
					6			
					8			
					10			
					12			
					14			
					16			
					18			
					20			
					22			
					24			
					26			
					28			
					30			



LOG OF BORING B-3 (CONTINUATION)

Project:	Clorox Services Company	**Start Date:**	March 29, 2007
Address:	7200 Johnson Drive, Pleasanton, CA	**End Date:**	March 29, 2007
Site:	Freight elevator in basement of Building No. 3	**Hole Depth:**	51 feet below elevator pit floor
Driller:	K. M. McRae, Inc. (C57 #424355)	**Hole Diameter:**	Approximately 8 inches
Drill Rig:	Hollow stem augers, 8-inch diameter	**Logged By:**	Paul Studemeister, CEG 1746

Sample Label	Sample Depth	Sample Time	Sample Date	Field PID, TVOs	Depth, feet	Sample Interval	USCS	Description
					30			
					32	Outer steel casing		Outer steel casing that formerly housed leaking hydraulic cylinder assembly, now occupied by groundwater (continuation)
					34			
					36			
					38			
					40			
					42		FILL	Water logged, loose sandy fill. Upper and lower contacts were estimated.
					44			
					46			
					48			
B3-50.5/51	50.5 to 51 ft	10:50 AM	03/29/07	0.9 ppm at 50.5 to 51 ft	50		SM	SILTY SAND (SM): Olive brown, fine- to medium-grained sand, est. 5% medium-grained sand, dense, wet
					52			**END OF BOREHOLE AT 51 FEET DEPTH**
					54			
					56			
					58			
					60			

LOG OF BORING B-3 (CONTINUATION)

Project:	Clorox Services Company	**Start Date:**	March 29, 2007
Address:	7200 Johnson Drive, Pleasanton, CA	**End Date:**	March 29, 2007
Site:	Freight elevator in basement of Building No. 3	**Hole Depth:**	51 feet below elevator pit floor
Driller:	K. M. McRae, Inc. (C57 #424355)	**Hole Diameter:**	Steel casing, approximately 22 inches
Drill Rig:	Hollow stem augers, 8-inch diameter	**Logged By:**	Paul Studemeister, CEG 1746

Notes:

Starting in December 2006, oil absorbent booms and pads were installed in the steel casing and periodically replaced in an effort to remove hydraulic oil in the groundwater within the steel casing. A plug was installed at the top of the steel casing to prevent groundwater seepage onto the elevator pit floor. The plug was periodically maintained and re-installed during the project. Between March 24 and 26, 2007, the water column in the steel casing was periodically sparged with compressed air, the compressed air was introduced via a hose from the bottom of the steel casing. Using a suction pump, an estimated 300 gallons of groundwater was removed from the top of the water column by placing the pump intake at approximately 10 feet below the elevator pit floor. The water was pumped into 55-gallon DOT drums and temporary storage tanks.

On March 29, 2007, subjective evaluation of the groundwater was performed by lowering a dedicated disposable bailer into the steel casing approximately one foot below the air-water interface. Inspection of the groundwater indicated a thick oily sheen covered the water surface. A grab groundwater sample (Sample B3-GW: 9:20 AM, 03/29/07) was collected with the bailer and transferred into laboratory-supplied containers. The groundwater sample was placed into a cooler with ice and submitted for laboratory analyses.

Following groundwater sampling on 03/29/07, a flight of augers was introduced into the steel casing until the augers rested on a relatively solid surface after sinking through the soft bottom filler sand. There was loose sandy filler from approximately 42 to 49 feet below the elevator pit floor. The auger flight was drilled to approximtaely 49.5 feet depth and then the sampler loaded with 3 inner sleeves, each 6-inches long, was lowered into the hollow stem of the auger flight and driven approximately 1.5 feet below the base of the auger flight to recover a core of soil. The sampler was retrieved from steel casing and the soil core was examined and field screened with a portable photo-ionizaton detector (PID). The bottom sleeve was sealed with caps, labeled and selected for laboratory analyses. At 11:00 AM (03/29/07), following soil sampling, depth-to-water in the steel casing was 1.33 feet below the elevator pit floor. The augers were removed, new absorbent pads were placed on the steel-encased groundwater, and the plug was re-installed at the top of the steel casing.

On April 10 and 11, 2007, McRae pumped out a total of approximately 1,100 gallons of groundwater from the steel casing, corresponding to a little over one casing volume. The groundwater was pumped into temporary storage tanks. The groundwater was pumped using a suction hose placed at 10 feet depth. Intermittent pumping consisted of lowering the water level in the steel casing to the intake end of the hose, and then turning the pump off, allowing the water level in the steel casing to recover and resume pumping. On April 11, 2007, subjective evaluation was performed and indicated the groundwater in the steel casing had only a thin wispy sheen on the surface. No free-phase floating product of measureable thickness was noted by both visual observation and use of a Solinst interface probe. At 2:20 PM (04/11/07), a grab groundwater sample (B3-GW2) was collected with a dedicated diposable bailer into laboratory-supplied containers. The groundwater sample was placed in cold storage at the Altrea office. After sampling, new absorbent pads were placed and the plug was re-installed at the top of the steel casing.

BORING LOG KEY

LOG SYMBOLS	DESCRIPTION
- - - - - -	Geological contact, approximate
———	Termination of boring
Field PID	Field screening results for total volatile organics (TVOs) measured in ppm with a portable photo-ionization detector (PID).

SOIL SAMPLING	DESCRIPTION
	Sleeve sample retained for possible laboratory analyses
	Sleeve sample retrieved for field inspection
	No sleeve samples recovered

SAMPLE LABEL	DESCRIPTION
B1-4/4.5	Soil Sample "B1-4/4.5" was taken from Boring B-1 from the 4.0 to 4.5 feet depth interval and retained for possible laboratory analyses.