

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: Fuel Leak Case No. RO0002859 and Geotracker Global ID T0600100447, Clorox Services Company, 7280 Johnson Drive, Pleasanton, CA 94588

Dear Mr. Green:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Section 25296.10 of the Health and Safety Code. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

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

- Residual total petroleum hydrocarbons as diesel remain in soil at concentrations up to 24 ppm.
- Residual total petroleum hydrocarbons as diesel remain in groundwater at concentrations up to 80 ppb.

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

Sincerely,



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

Enclosures:

1. Remedial Action Completion Certificate
2. Case Closure Summary

cc:

Ms. Cherie McCaulou (w/enc)
SF- Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

Mr. Toru Okamoto (w/enc)
State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120

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

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

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

Mr. Michael Zimmerman (w/enc)
Bureau Veritas
6920 Koll Center Parkway, Suite 216
Pleasanton, CA 94566

Jerry Wickham (w/orig enc), D. Drogos (w/enc), File (w/enc)



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
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REMEDIAL ACTION COMPLETION CERTIFICATION

September 19, 2007

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

Subject: Fuel Leak Case No. RO0002859 and Geotracker Global ID T0600100447, Clorox Services Company, 7280 Johnson Drive, Pleasanton, CA 94588

Dear Mr. Green:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

Ariu Levi
Director
Alameda County Environmental Health

**CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT 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 Services Company		
Site Facility Address: 7280 Johnson Drive, Pleasanton, CA 94588		
RB Case No.: 01-0491	Local Case No.: ---	LOP Case No.: RO0002859
URF Filing Date: 12/13/2004	Geotracker ID: T0600100447	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
1	10,000 gallons	Diesel	Removed	04/16/2004
Piping			Removed	04/16/2004

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown. No holes, cracks, or other signs of failure were observed in the tanks during removal.		
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: 44 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 900 feet north of the site. The well was 49 feet deep when last sounded but was improperly destroyed during construction of the industrial park. This well does not appear to be a receptor for the site due its upgradient location. The nearest downgradient production well is located more than 1,500 feet southwest of the site. Based on the distance of the well from the site, 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	1 – 10,000 gallon tank	Transported to Ecology Control Industries in Richmond, CA for disposal	04/16/2004
Piping	Not reported	Transported to Ecology Control Industries in Richmond, CA for disposal	04/16/2004
Free Product	None	---	---
Soil	None	---	---
Groundwater	None	---	---

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	<50	<50
TPH (Diesel)	24	24	80	80
Oil and Grease	NA	NA	NA	NA
Benzene	<0.005	<0.005	<0.5	<0.5
Toluene	<0.005	<0.005	<0.5	<0.5
Ethylbenzene	<0.005	<0.005	<0.5	<0.5
Xylenes	<0.005	<0.005	<0.5	<0.5
Lead	NA	NA	NA	NA
MTBE	<0.005(1)	<0.005(1)	<0.5(2)	<0.5(2)
Other (8240/8270)	NA(3)	NA(3)	NA(3)	NA(3)

(1) MTBE <0.005 ppm; ETBE, TAME, EDB, and EDC <0.005 ppm; TBA and DIPE <0.010 ppm; and ethanol <0.5 ppm in soil.
 (2) MTBE, ETBE, and TAME <0.5 ppb; TBA <5ppb in groundwater; and DIPE <1 ppb in groundwater. EDB and EDC not analyzed.
 (4) No VOC, SVOC, or other analyses.

Site History and Description of Corrective Actions:

The site is a warehouse facility located within a commercial area of Pleasanton, CA. One 10,000-gallon diesel UST was removed from the site on April 16, 2004. No fuel hydrocarbons, BTEX, or fuel oxygenates were detected in one dispenser area, two sidewall, and two pit bottom soil samples collected during the tank and piping removal. TPH as diesel was detected at a concentration of 24 ppm in a composite stockpile soil sample. The stockpiled soil was reused as backfill in the tank excavation.

In order to assess whether groundwater was impacted, two soil borings were advanced at the location of the former UST on March 2, 2007. Soil were continuously logged and screened to a depth of 48 feet bgs in the first soil boring. No visible staining, odor, or elevated PID readings were observed. A second boring was advanced in order to collect a grab groundwater sample. TPH as gasoline, BTEX, and fuel oxygenates were not detected in the grab groundwater sample. TPH as diesel was detected at a concentration of 80 ppb in the grab groundwater sample.

Three USTs (gasoline, diesel, and waste oil) were removed in 1989 from a site approximately 45 feet south of the former 10,000-gallon diesel UST. The fuel leak case for the three USTs to the south (Geotracker Global ID T0600116765) was closed by the California Regional Water Quality Control Board on December 9, 1993.

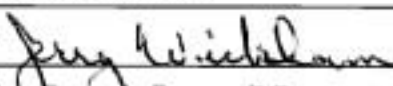
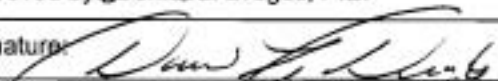
IV. CLOSURE

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: No	Number Decommissioned: 0	Number Retained: 0
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: --		

V. ADDITIONAL COMMENTS, DATA, ETC.

<p>Considerations and/or Variances:</p> <p>EDB and EDC were not analyzed in groundwater.</p> <p>Conclusion:</p> <p>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.</p>

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham	Title: Hazardous Materials Specialist
Signature: 	Date: 09/11/07
Approved by: Dorna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature: 	Date: 09/11/07

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: <i>Cher McCaulou</i>	Date: <i>9/18/07</i>

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: NA	Date of Well Decommissioning Report: NA	
All Monitoring Wells Decommissioned: Yes	Number Decommissioned: NA	Number Retained: NA
Reason Wells Retained: NA		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature: <i>Jerry W. ...</i>	Date: <i>09/18/07</i>	

Attachments:

1. Site Vicinity Map
2. Site Plan
3. Former UST Excavation and Sampling Location Map
4. Soil Analytical Data
5. Groundwater Analytical Data
6. Boring Logs

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.



Map Source: TOPO!© 2000 National Geographic Holdings

Note: Boundaries and Location Information is Approximate



Portion of the 7.5-Minute Series Dublin, California
 Quadrangle Topographic Map (Datum: NAD 27)
 United States Department of the Interior
 Geological Survey
 1980



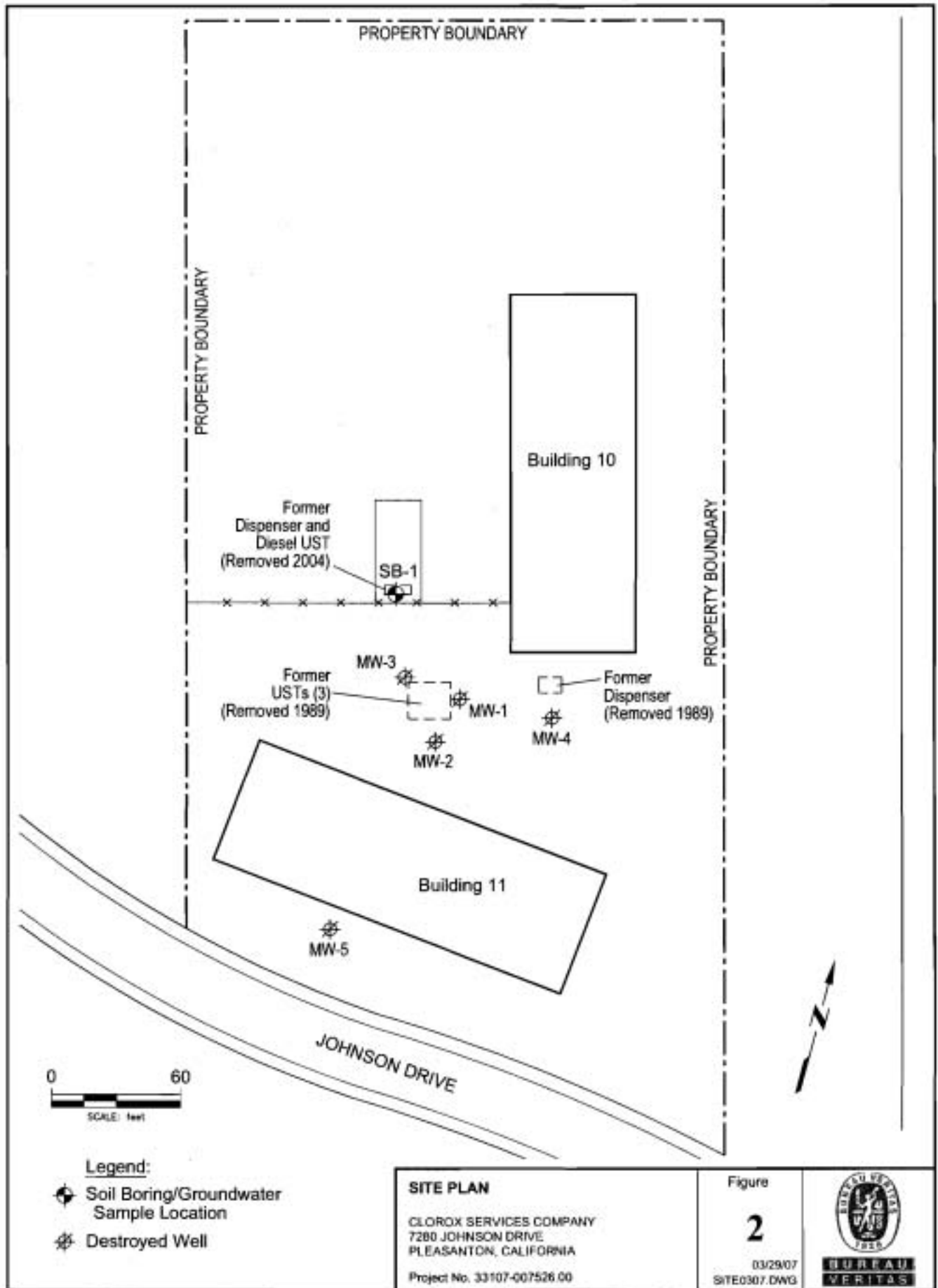
SITE LOCATION MAP
 Clorox
 7280 Johnson Drive
 Pleasanton, California
 Clayton Project No. 33106-006723.00

Figure

1



ATTACHMENT 1



SITE PLAN

CLOROX SERVICES COMPANY
 7280 JOHNSON DRIVE
 PLEASANTON, CALIFORNIA
 Project No. 33107-007526 00

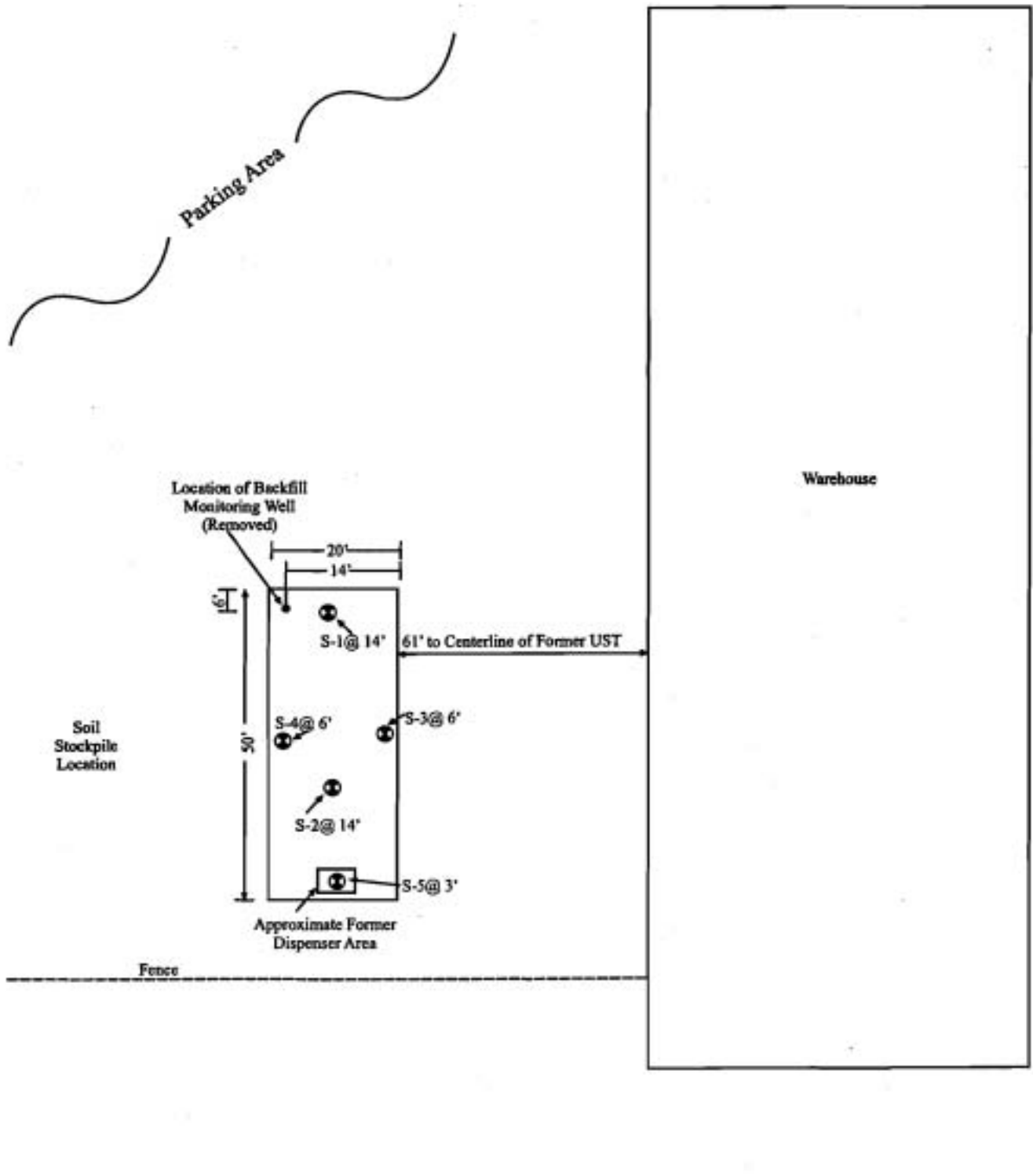
Figure

2

03/29/07
 SITE0307.DWG



**BUREAU
 VERITAS**




<p>LEGEND</p>	<p>Former UST Excavation and Sampling Location Map</p>	<p>FIGURE</p>	
<p>⊕ Approximate Location of Soil Sampling</p> <p>Not to Scale</p>	<p>Clorox Services Company 7280 Johnson Drive Pleasanton, California</p> <p>Clayton Project No. 70-04572.00</p>	<p>3</p>	 <p>ATTACHMENT 3</p>

TABLE 1
Clorox Services Company
Former Diesel UST
7280 Johnson Drive, California
Soil Sample Results

Sample ID	Description	TPH-Diesel ¹	BTEX, MTBE ²
S-1	Tank pit sample collected at 14' from north end of excavation.	ND	ND
S-2	Tank pit sample collected at 14' from south end of excavation.	ND	ND
S-3	Sidewall sample collected at 6' from east wall of excavation.	ND	ND
S-4	Sidewall sample collected at 6' from west wall of excavation.	ND	ND
S-5	Sample collected at 3' from beneath former dispenser area on south end of excavation.	ND	ND
SP-1,2,3	Three discreet soil stockpile samples - composited by laboratory.	24	ND

1. USEPA test Method 8260 for total petroleum hydrocarbons (TPH) as diesel
2. USEPA Test Method 8260B for benzene, toluene, ethylbenzene, and xylenes (collectively referred to as BTEX), and fuel oxygenates (including methyl tertiary butyl ether - MTBE)
3. ND = analyte not detected in sample
4. TPH-Diesel result in parts per million

Table 1
Groundwater Sample Results

Clorox Services Company
7280 Johnson Drive
Pleasanton, California
Bureau Veritas

Sample ID	Date	TPH-d (ug/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	MTBE (ug/L)	TAME (ug/L)	Toluene (ug/L)	Xylenes (ug/L)	TBA (ug/L)	DIPE (ug/L)	GRO (ug/L)	Ethyl tert-butyl ether (ug/L)
SB-1	3/2/2007	80	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<5.0	<1.0	<50	<0.50
RWQCB ESL		100	1.0	30	5.0	N/A	40	20	12	N/A	N/A	N/A

Notes:

DIPE = Diisopropyl ether analyzed by EPA Method 8260B

GRO = Gasoline range organics analyzed by EPA Method 8260B

MTBE = Methyl tert-butyl ether analyzed by EPA Method 8260B

N/A = No ESL has been established for this compound

RWQCB ESL = San Francisco Bay Regional Water Quality Control Board Environmental Screening Level for shallow soil where groundwater is a potential source of drinking water, February 2005

TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B

TBA = Tertiary butyl alcohol analyzed by EPA Method 8260B

TPH-d = Total Petroleum Hydrocarbons quantified as diesel analyzed by EPA Method 8015M

ug/L = micrograms per liter



**BUREAU
VERITAS**

LOG OF SOIL BORING

Project No.: 33107-007526.00
 Project Name: Clorox
 Location: 7280 Johnson Dr., Pleasanton, CA
 Logged By: A. Florence

BORING NO.
SB-1

Start Date: 3/2/2007 Start Time: 08:05 Elevation (ft. msl):
 Finish Date: 3/2/2007 Finish Time: 11:15 Boring Diameter (in): 2"

Driller: Gregg Drill Method: Direct Push
 Hammer Weight: N/A Drop: N/A

Borehole Completion Data: Neat Cement Grout

Depth To ∇ (ft)	41	Depth To ∇ (ft)	
Time:		Time:	
Date:		Date:	

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	GRAPHIC LOG	USCS	DESCRIPTION
				0805	0			CONCRETE
					1			BACKFILL/PEA-GRAVEL (hand-augered)
					2			
					3			CLAY (hand-augered)
		5.0	0.0	0831	4		CL	
					5			CLAY black to gray, very compact, medium plasticity, dry, no odor
					6			
					7			
		32	8.0	0833	8			
					9			
					10			
					11			
		20	12.0	0838	12		CL	CLAY black to gray, very compact, medium plasticity, dry, no odor
					13			
					14			
					15			
		48	16.0	0844	16			CLAY black to gray, very compact, medium plasticity, dry, no odor
					17			
					18			
					19			
		48	20.0	0853	20			



LOG OF SOIL BORING

Project No.: 33107-007526.00
 Project Name: Clorox
 Location: 7280 Johnson Dr., Pleasanton, CA
 Logged By: A. Florence

BORING NO.
SB-1

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	GRAPHIC LOG	USCS	DESCRIPTION
					21	[Diagonal hatching pattern]		CLAY black to gray, very compact, medium plasticity, dry, no odor
					22			
					23	[Diagonal hatching pattern]		
					24			
	48	24.0	0.0	0852	24	[Solid black]		soft, medium plasticity, moist
					25	[Diagonal hatching pattern]		CLAY black to gray, orange mottling, very compact, medium plasticity, dry, no odor
					26			
					27	[Diagonal hatching pattern]		
					28			
	46	28.0	0.0	0858	28	[Solid black]	CL	
					29	[Diagonal hatching pattern]		
					30			
					31	[Diagonal hatching pattern]		
					32			
	46	32.0	0.0	0908	32	[Solid black]		CLAY black to gray, medium soft, medium plasticity, dry, no odor
					33	[Diagonal hatching pattern]		
					34			
					35	[Diagonal hatching pattern]		
					36			
	48	36.0	0.0	1015	36	[Solid black]		CLAY black, soft, very plastic, moist, no odor
					37	[Diagonal hatching pattern]		
					38			
					39	[Diagonal hatching pattern]		
					40			
	48	40.0	0.0	1025	40	[Solid black]	CH	
					41	[Diagonal hatching pattern]		wet
					42			
					43	[Diagonal hatching pattern]		
					44			
	42	44.0	0.3	1105	44	[Solid black]		





LOG OF SOIL BORING

Project No.: 33107-007526.00
Project Name: Clorox
Location: 7280 Johnson Dr., Pleasanton, CA
Logged By: A. Florence

BORING NO.

SB-1

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	SAMPLE GRAPHIC LOG	USCS	DESCRIPTION
X	48	48.0	0.0	1115	46		CH	CLAY black, soft, very plastic, moist, no odor
					47			
					48			EOB at 48 feet bgs.
					49			
					50			
					51			
					52			
					53			
					54			
					55			
					56			
					57			
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