

San Francisco Regional Office

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ENVIRONMENTAL  
PROTECTION

97 SEP 30 AM 10:43

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

September 24, 1997

**Mr. Barney M. Chan**  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

Clayton Project No. 70-97066

Subject: Tank Removal Report for 630 29th Avenue, Oakland, California

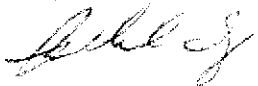
Dear Mr. Chan:

Please find enclosed the report documenting the removal of the 1,000-gallon gasoline UST that was formerly present at the above-referenced site.

As you are aware, Clayton began soil and grab groundwater sampling in the vicinity of the former UST on August 29, 1997. I anticipate that the report presenting the results of the investigation will be submitted to you in the near future.

Please contact me at (510) 426-2600 if you have any questions.

Sincerely,



Richard W. Day, RG, CEG, CHG  
Supervisor, Geosciences/Remediation  
Environmental Management and Remediation  
San Francisco Regional Office

RWD/

c: Stafford Hemmer, BA Properties (4 copies)

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**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

Underground Storage Tank Closure Report  
Former Lemoine Sausage Facility  
630 - 29th Avenue  
Oakland, California

Clayton Project No. 70-97066.00  
September 24, 1997

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## **1.0 INTRODUCTION**

Clayton Environmental Consultants, Inc., pursuant to its Indemnification Agreement with BA Properties of August 20, 1996, removed a 1,000-gallon underground storage tank (UST) at the former Lemoine Sausage facility located at 630 - 29th Avenue in Oakland, California. The UST had been used to store gasoline. Figure 1 shows the location of the subject property.

The UST was located beneath the sidewalk along 7th Street; the age of the UST is not known. The product line extended from the UST to a dispenser located in a "cubby hole" near the building's roll-up door. Figure 2 shows the layout of the UST and its dispenser.

## **2.0 SCOPE OF WORK**

The following scope of work was performed by Clayton:

- Prepared a Site-Specific Health and Safety Plan
- Observed the Removal of the USTs
- Collected Soil Samples
- Analyzed the Soil Samples
- Backfilled the Excavation
- Disposed of the Tank Backfill Material

These tasks are described in the following sections.

### **2.1 PREPARE SITE-SPECIFIC HEALTH AND SAFETY PLAN**

Before beginning field activities, Clayton prepared a site-specific health and safety plan (HSP) for Clayton personnel for the planned work, in accordance with the requirements of the State of California General Industry Safety Order (GISO) 5192 and Title 29 of the Code of Federal Regulations, Section 1926.65 (29 CFR 1926.65). A copy of the HSP was kept onsite during Clayton's activities. Subsurface Environmental Services (Subsurface), the UST removal contractor, prepared a HSP for their personnel.

### **2.2 OBSERVE UST REMOVAL**

Clayton contracted with Subsurface to remove the UST. Copies of the removal permit and excavation permit are included in Appendix A. Subsurface uncovered the UST on November 20, 1996 by removing the concrete sidewalk and backfill material overlying the UST. The small dispenser located in the 'cubby hole' near the roll up doors was also removed on November 20, 1996.

Subsurface subcontracted First Environmental Services of Livermore, California, to remove the residual gasoline and any water present in the UST prior to removal. The interior of the UST was pressure-washed to remove any remaining volatile liquids present in the UST; this water was also pumped from the UST. On November 21, 1996, approximately 900 gallons of gasoline and water were pumped into a pump truck and transported by American Valley to Evergreen Environmental for treatment/recycling accompanied by Hazardous Waste Manifest #96590401.

Approximately 15 pounds of dry ice was added to the UST to displace the oxygen and volatile petroleum vapors in the UST lowering the explosion hazard. Mr. D. Edward MacDaniel, a Project Geologist with Clayton's San Francisco Regional Office; Mr. Hernan E. Gomez, a Hazardous Materials Inspector with the Oakland Fire Department; and Mr. Barney Chan with Alameda County Environmental Health Services were present during the removal of the UST. Copies of the UST Closure Inspection Worksheets completed by Mr. Chan and Mr. Gomez are included in Appendix B.

After the oxygen concentration and the explosion hazard were lowered sufficiently, Subsurface removed the 1,000-gallon UST and loaded the UST onto a truck for offsite disposal. The UST was hauled by Dexanna to Erickson, Inc. for disposal under Hazardous Waste Manifest #96431175. Approximately 15 feet of steel piping associated with the former UST was loaded onto trucks and transported offsite on November 21, 1996 by Subsurface for disposal. The UST was certified as being destroyed at Erickson's Newark, California facility.

Clayton observed four holes, approximately 3/8-inch in diameter, in the eastern side of the UST when it was removed from the excavation. A 6-inch long crack at the seam between the product end of the UST and the tank bottom was present. A hole approximately 1/2-inch in diameter was present in the seam near the crack.

An old concrete patch from when the product line was installed was present extending from the tank excavation to the dispenser located in a 'cubby hole.' Because a 8- to 12-inch gap was present between the bottom of the sidewalk and the backfill material beneath it, the patch was not removed because of the potential for the collapse of the sidewalk. The piping was removed by pulling it out through the excavation. Approximately 4 feet of piping remains extending from the former dispenser location to an approximately 130° joint in the piping.

Photographs documenting the UST removal are included following the figures. Copies of the manifests and certificates are included in Appendix C.

### **2.3 COLLECT SOIL SAMPLES**

After the UST had been removed, Mr. Chan requested that a soil sample be collected under each end of the UST from the native material underlying the UST and that a soil sample be collected from under the former dispenser location. Soil samples S-1 and S-2 were collected from under the product end and the fill end at approximately 8.8 and 8.7 feet (ft) below ground surface (bgs). These samples were collected from the water saturated zone. The native soil encountered while collecting sample S-1 was a plastic greenish gray silty clay with a minor amount of sand and a strong petroleum odor. The native soil encountered when collecting the sample S-2 was a relatively stiff greenish gray silty clay with low plasticity and a strong petroleum odor. Sample S-3 was collected of stiff brown silty clay with a minor amount of sand and a strong petroleum odor at approximately 6 inches below the former dispenser location. After the soil samples were collected, Mr. Chan requested that the loose impacted soils lying in the bottom of the excavation be cleaned out.

Clayton collected additional soil samples from each sidewall of the UST excavation above the soil/groundwater interface at approximately 5 ft bgs. Soil samples S-4, S-5, S-6, and S-7 were collected from the western sidewall, southern sidewall, northern, and eastern sidewall, respectively. Soil sample locations are shown in Figure 3.

The soil samples collected from the tank excavation were collected using a backhoe. The backhoe bucket was used to bring soils from the selected depths to the ground surface. Approximately 1 foot of soil was removed from the backhoe bucket, and a 2-inch diameter, 6-inch long steel tube was driven into the soil. The tubes were sealed using aluminum foil and plastic end caps, labeled, placed into plastic bags and a chilled cooler for transport to Clayton's State-certified laboratory for analysis. Soil sample S-3 was collected by digging up soil from under the former dispenser location using a pry bar. The soil was transferred to a glass jar that was closed, labeled, and placed into a chilled cooler for transport to Clayton's State-certified laboratory for analysis. Appropriate chain-of-custody documentation was followed for the handling of the samples.

Soil samples were collected of the stockpiled soil removed from the excavation to characterize it for disposal. There were two separate stockpiles onsite. One stockpile, approximately 12 cubic yards (yd<sup>3</sup>), consisted of the relatively clean backfill overlying the UST. The second stockpile, approximately 6 yd<sup>3</sup>, consisted of the impacted soil excavated while collecting the soil samples and while "cleaning out" the excavation as requested by Mr. Chan. A total of eight discrete soil samples, SP-1 through SP-8, were collected for compositing and analysis. The soil sample locations are shown in Figure 4.

The soils samples were collected using a hand trowel and transferred into glass jars. The glass jars were closed, labeled, and placed in a chilled cooler for transport to Clayton's State-certified laboratory for analysis. Due to the relatively low volume of stockpiled soil, the stockpiles were handled as one stockpile. The eight discrete soil samples were composited together by the laboratory prior to analysis.

## 2.4 ANALYZE SOIL SAMPLES

The soil samples collected from the excavation and from under the dispenser were analyzed using the following methods:

- United States Environmental Protection Agency (USEPA) Method 8015 (modified) for total petroleum hydrocarbons as gasoline (TPH-G)
- USEPA Method 8020 for benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tertiary butyl ether (MTBE)
- LUFT Method for organic lead

The composite soil sample was analyzed using the following methods:

- USEPA Method 8015 (modified) for TPH-g
- USEPA Method 8020 for BTEX
- LUFT Method for organic lead
- RCI
- USEPA Method 6010 for total lead
- USEPA Method 210 for soluble lead

## 2.5 BACKFILL EXCAVATION

Backfill material was imported to the site for use in backfilling the excavation. Before the excavation was backfilled, approximately 1,400 gallons of water were pumped from the excavation by Erickson on November 27, 1996. The liquid was transported under Hazardous Waste Manifest #96434269 to Evergreen in Newark, California for treatment. Subsurface then backfilled the excavation and compacted the backfill material.

## 2.6 DISPOSE OF STOCKPILED MATERIAL

On January 31, 1997, Subsurface loaded the stockpiled soil onto trucks for disposal. The soil was transported by Subsurface to the BFI-Vasco Road landfill in Livermore, California, under Non-Hazardous Special Waste Manifests # 036099, 036100, and 712853. Copies of the manifests are included in Appendix E.

## 2.7 GROUNDWATER SAMPLING

A small amount of groundwater containing free product (Photograph 8) was present in the excavation pit immediately following UST removal on November 21, 1996. During soil sampling activities, groundwater previously present in the pit had drained and a groundwater sample was not able to be collected.

On November 27, 1996, groundwater had recharged into the excavation pit as noted above in Section 2.5 and approximately 1,400 gallons of water were pumped from the excavation pit prior to backfilling. Clayton personnel were not present at the time of the pumping and inadvertently a groundwater sample was not collected for laboratory analysis.

## 3.0 FINDINGS

TPH-G, BTEX, and organic lead were detected in the soil samples. TPH-G concentrations ranged between 70 and 4,300 milligrams per kilogram (mg/kg), and benzene concentration ranged from 0.1 to 16 mg/kg. Concentrations of toluene ranged from 0.7 to 380 mg/kg, and ethylbenzene, concentrations ranged from 0.28 to 29 mg/kg. Total xylenes concentrations ranged between 1.3 and 158 mg/kg; organic lead concentrations ranged from 0.09 to 0.63 mg/kg. No MTBE was detected in the soil samples.

The composite soil sample from the stockpiled soil was analyzed for TPH-G, BTEX, and organic lead; 990 mg/kg TPH-G, 0.23 mg/kg benzene, 40 mg/kg toluene, 6.6 mg/kg toluene, 26 mg/kg xylenes, and 0.44 mg/kg organic lead were detected. The composite soil sample of the stockpiled soil was analyzed for total lead, and 54 mg/kg total lead was detected. This concentration was less than the total threshold limit concentration (TTLC) of 1,000 mg/kg. Because the total lead concentration exceeded 10 times the soluble threshold limit concentration (STLC) of 5 milligrams per liter (mg/L), there was a potential that the sample could contain soluble lead concentrations in excess of the STLC. The sample was analyzed for soluble lead using STLC methodologies. The soluble lead concentration was 3.7 mg/L, less than the STLC. The composite soil sample was neither ignitable nor reactive, and its pH was 8.4.

The enclosed table summarizes the analytical results. Copies of the laboratory reports are included in Appendix F. Figure 3 shows the approximate soil sample locations.


While no groundwater sample was collected from the excavation pit, free product was observed in groundwater on November 21, 1997 indicating that groundwater had been impacted by petroleum hydrocarbons.

#### 4.0 CONCLUSIONS AND RECOMMENDATIONS

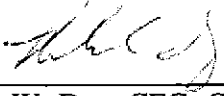
Based on the soluble lead concentration and other analytes for the samples of the stockpiled soil, the stockpiled soil was disposed as non-hazardous waste.

The soil in the vicinity of the former UST has been impacted by petroleum releases presumably from the UST. It also appears that the groundwater in the vicinity of the UST has been impacted. The extent of the soil and groundwater impact is not known. Clayton recommends that subsurface investigation of the subject property be conducted to determine the lateral and vertical extent of impacted soil and groundwater.

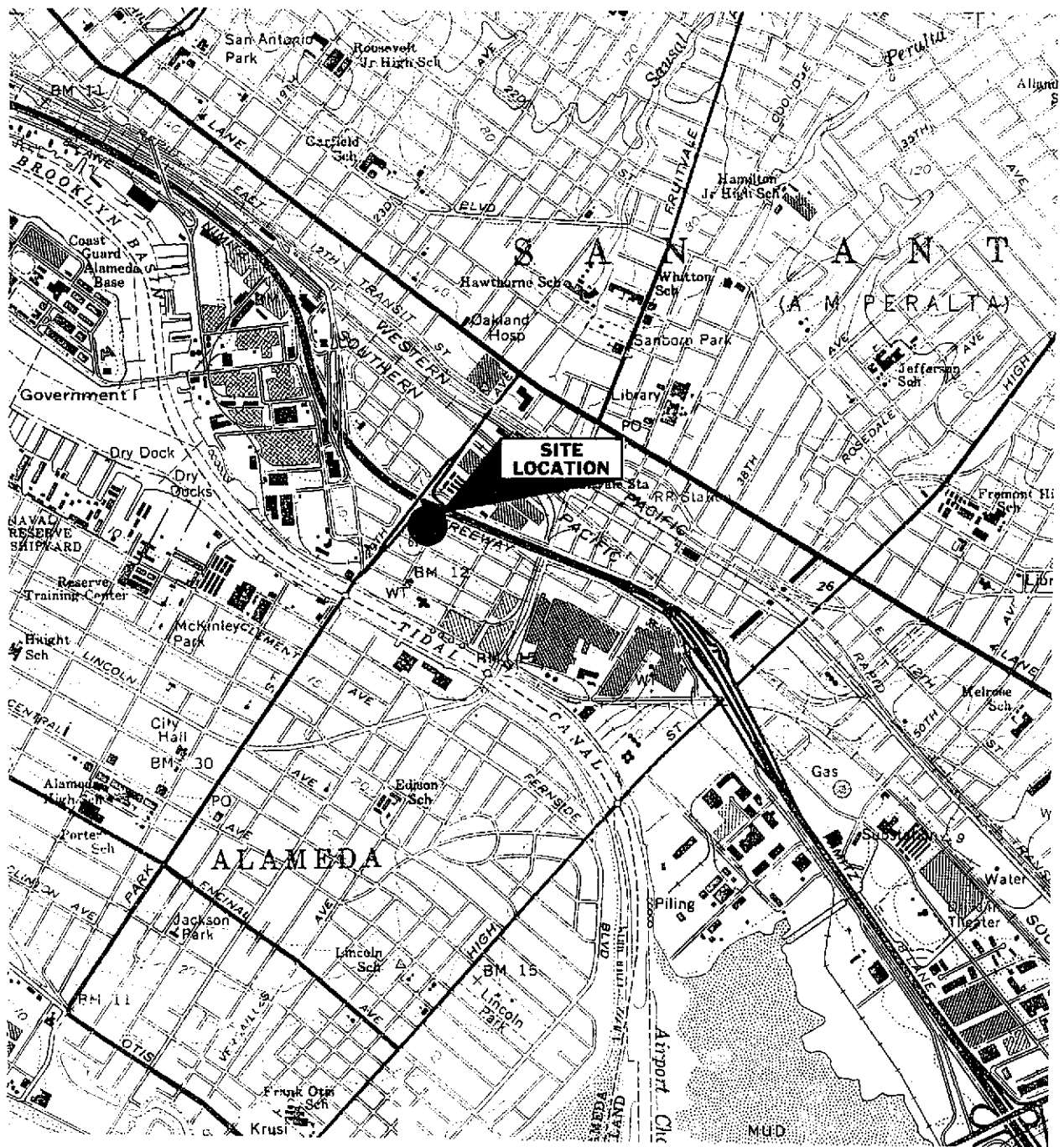
This report prepared by:

  
\_\_\_\_\_  
D. Edward MacDaniel  
Project Geologist

This report reviewed by:

  
\_\_\_\_\_  
Richard W. Day, CEG, CHG  
Supervisor, Geosciences/Remediation  
Environmental Management and Remediation  
San Francisco Regional Office





0 2,000

SCALE: FEET

Source: U.S.G.S. OAKLAND EAST, CALIF.,  
7.5 Minute Quadrangle, 1959,  
(photorevised 1980).

**SITE LOCATION**

FORMER LEMOINE SAUSAGE FACTORY  
630 29th AVENUE  
OAKLAND, CALIFORNIA

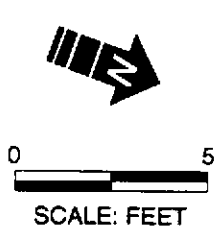
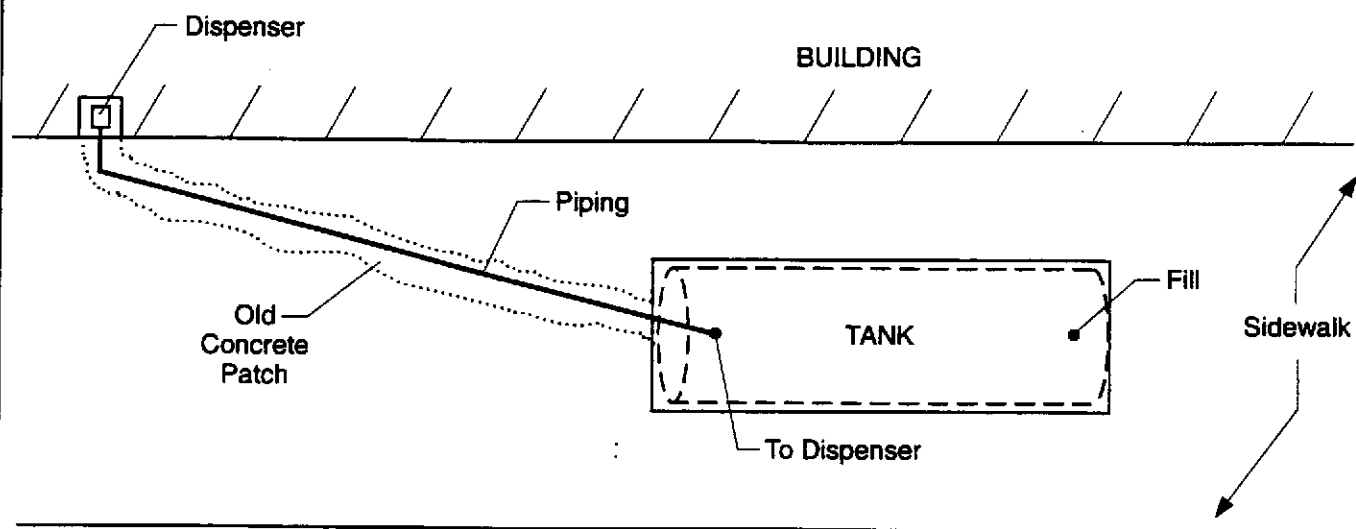
Clayton Project No. 70-97066.00.002

Figure

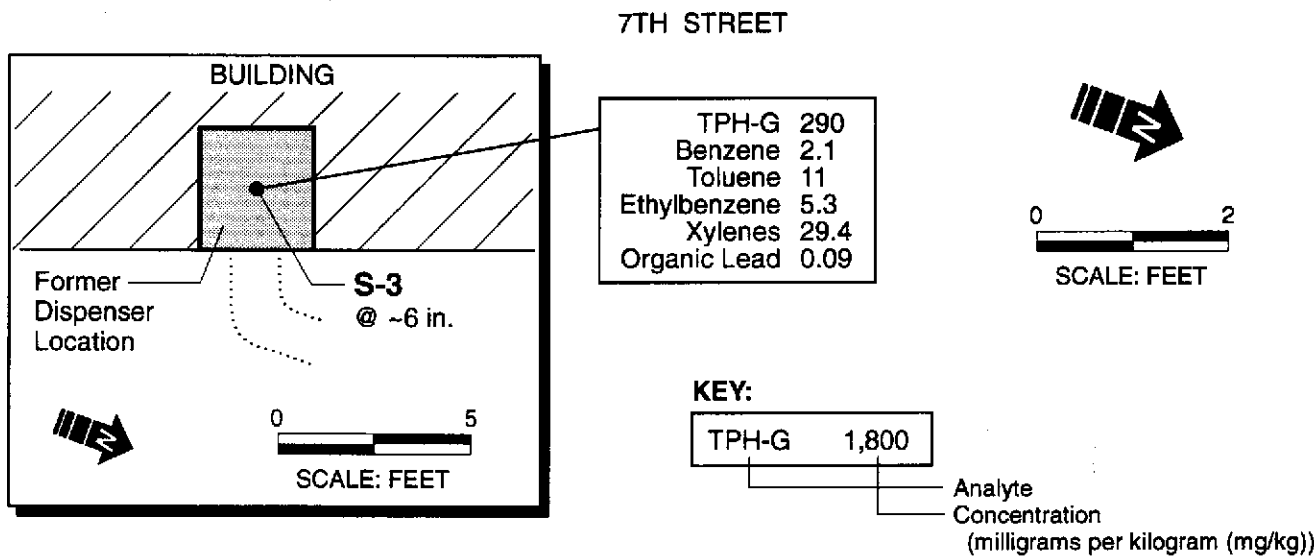
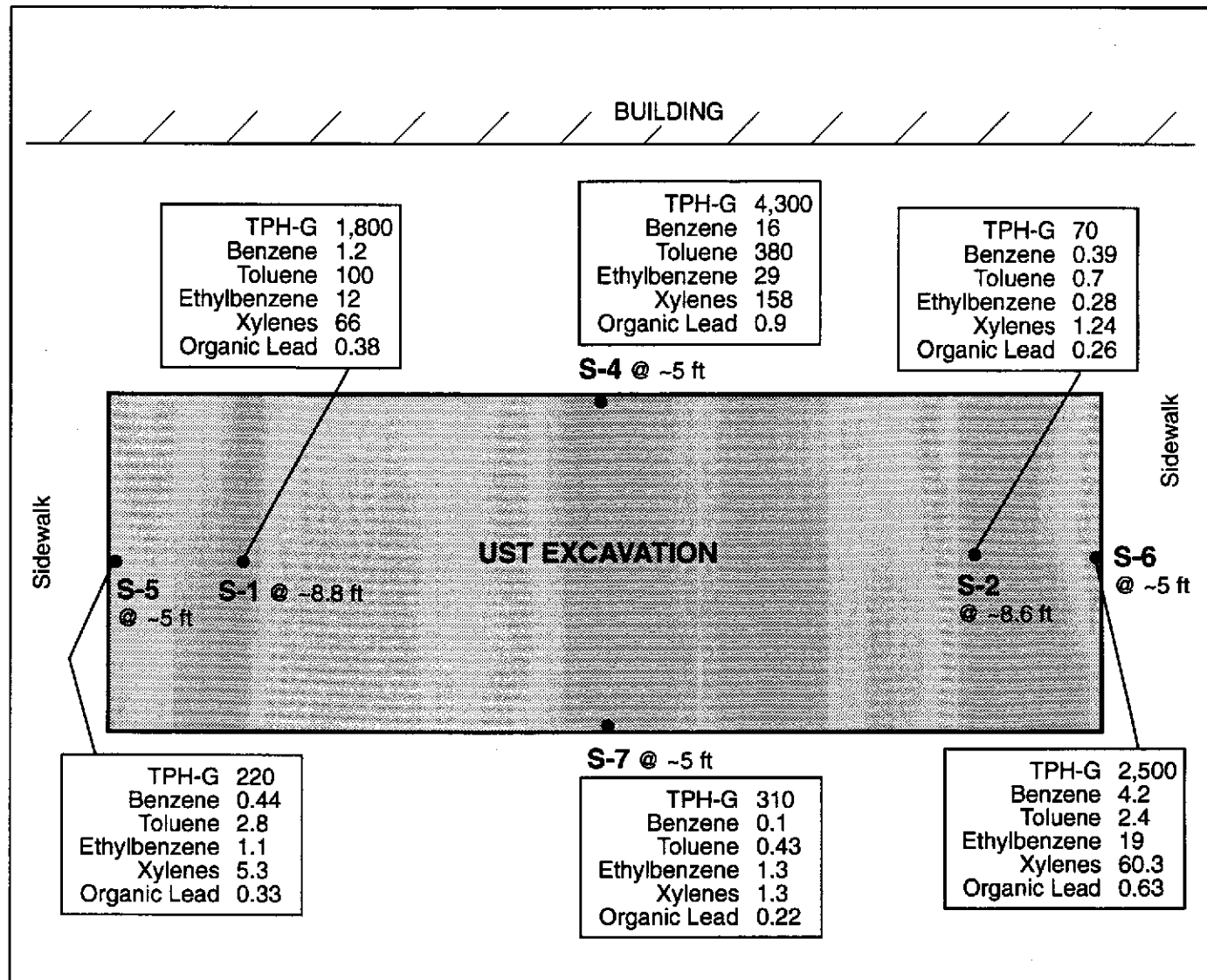
**1**

12/31/96  
TOPOFIG1.CDR

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS



<p><b>TANK LAYOUT</b></p> <p>FORMER LEMOINE SAUSAGE FACTORY          630 29th AVENUE          OAKLAND, CALIFORNIA          Clayton Project No. 70-97066.00.002</p>	<p>Figure  <b>2</b>          01/06/97          SITEMAP.CDR</p>	<p><b>Clayton</b>          ENVIRONMENTAL          CONSULTANTS</p>
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**LEGEND:**

- Soil Sample Location
- S-1** with Sample Depth @ 8.8 ft

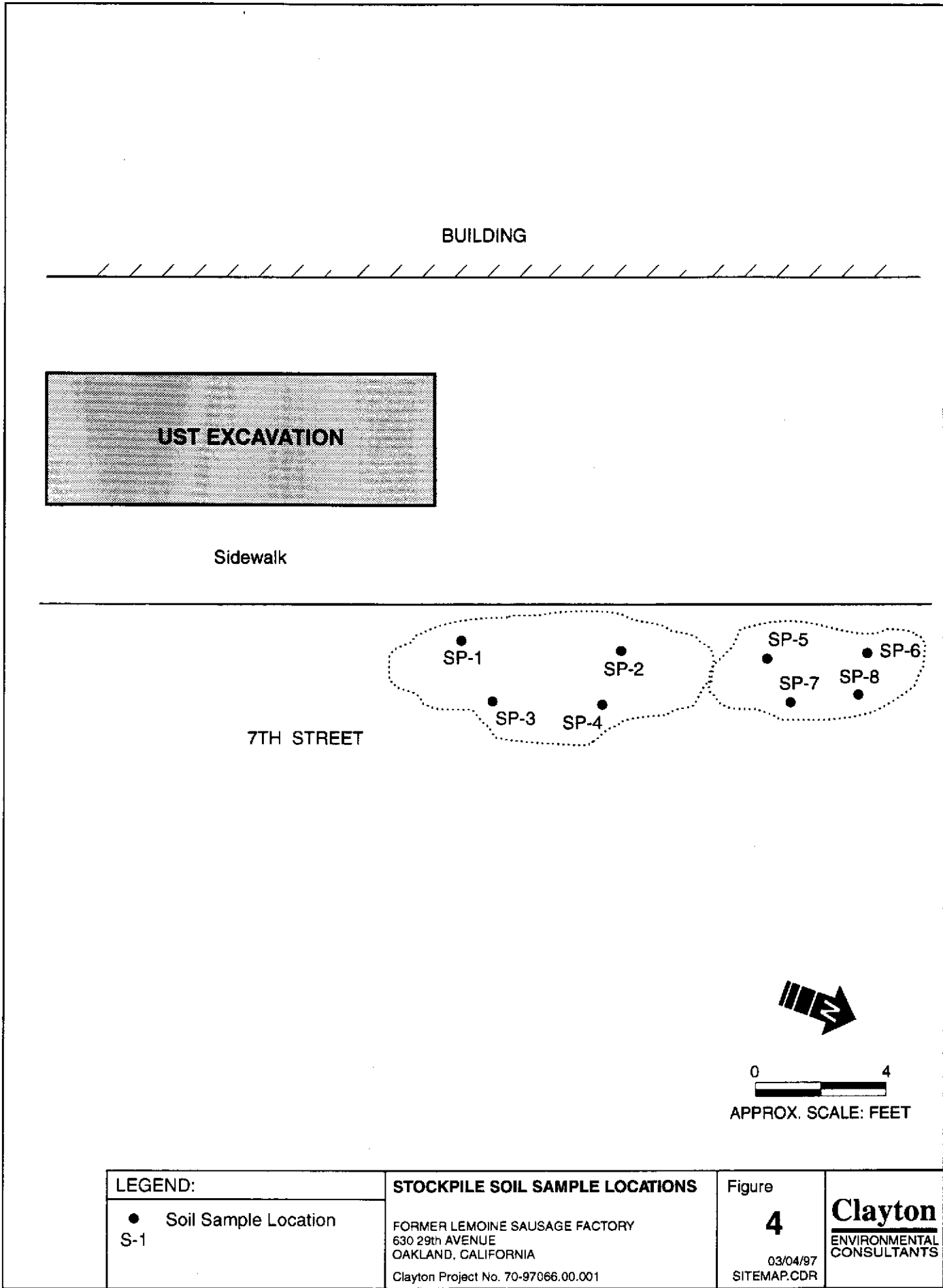
**UST EXCAVATION SOIL SAMPLE LOCATIONS WITH ANALYTICAL RESULTS**

FORMER LEMOINE SAUSAGE FACTORY  
 630 29th AVENUE  
 OAKLAND, CALIFORNIA  
 Clayton Project No. 70-97066.00.001

Figure **3**

03/04/97  
 SITEMAP.CDR

**Clayton**  
 ENVIRONMENTAL CONSULTANTS



<b>LEGEND:</b>	
●	Soil Sample Location
S-1	

<b>STOCKPILE SOIL SAMPLE LOCATIONS</b>
FORMER LEMOINE SAUSAGE FACTORY 630 29th AVENUE OAKLAND, CALIFORNIA Clayton Project No. 70-97066.00.001

Figure
<b>4</b>
03/04/97 SITEMAP.CDR

<b>Clayton</b>
ENVIRONMENTAL CONSULTANTS

**Summary of Analytical Results**  
**Soil Samples Collected From a Tank Excavation and Soil Stockpile**  
**Former Lemoine Sausage Facility**  
**630 - 29th Avenue**  
**Oakland, California**

Sample Name	Date Sampled	Sample Location	Sample Depth (feet)	TPH-G	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	Organic Lead	Ignitability	Reactive Cyanide	Reactive Sulfide	pH	Total Lead	Soluble Lead
S-1	11/21/96	Under Dispensing End	~ 8.8	1,800	<50	1.2	100	12	66	0.38	NA	NA	NA	NA	NA	NA
S-2	11/21/96	Under Fill End	~ 8.8	70	<50	0.39	0.7	0.28	1.24	0.26	NA	NA	NA	NA	NA	NA
S-3	11/21/96	Under Dispenser	~ 0.5	290	<50	2.1	11	5.3	29.4	0.09	NA	NA	NA	NA	NA	NA
S-4	11/21/96	West Sidewall	~ 5	4,300	<50	16	380	29	158	0.9	NA	NA	NA	NA	NA	NA
S-5	11/21/96	South Sidewall	~ 5	220	<50	0.44	2.8	1.1	5.3	0.33	NA	NA	NA	NA	NA	NA
S-6	11/21/96	North Sidewall	~ 5	2,500	<50	4.2	2.4	19	60.3	0.63	NA	NA	NA	NA	NA	NA
S-7	11/21/96	East Sidewall	~ 5	310	<50	0.1	0.43	1.3	1.3	0.22	NA	NA	NA	NA	NA	NA
Composite Sample*	11/21/96	Stockpiled Soil	N/A	990	NA	0.23	40	6.6	26	0.44	NI	<1	<10	8.4	54	3.7

\* Composite of Discrete Soil Samples SP-1 through SP-8

All results are reported in milligrams per kilogram (mg/kg), except soluble lead which is reported in milligrams per liter (mg/L) and pH which is reported in Standard Units.

TPH-G = Total petroleum hydrocarbons as gasoline

MTBE = Methyl-tertiary-butyl ether

NA = Not analyzed

N/A = Not applicable

NI = Not ignitable



<b>Clayton Project No.</b>  70-97066.00.001	<b>Description</b>	UST Excavation	<b>1</b>  <b>Photo Date</b> 11/21/96
	<b>Site Name</b>	Former Lemoine Sausage Factory, 630 29th Avenue, Oakland, CA	
	<b>Client</b>	BA Properties, Inc.	



Clayton Project No. 70-97066.00.001	<b>Description</b>	Overburden Soil Stockpile	2
	<b>Site Name</b>	Former Lemoine Sausage Factory, 630 29th Avenue, Oakland, CA	
	<b>Client</b>	BA Properties, Inc.	



<b>Clayton Project No.</b> 70-97066.00.001	<b>Description</b>	UST in Excavation	<b>3</b>
	<b>Site Name</b>	Former Lemoine Sausage Factory, 630 29th Avenue, Oakland, CA	
	<b>Client</b>	BA Properties, Inc.	11/21/96





Clayton Project No. 70-97066.00.001	<b>Description</b>	Western Sidewall of Excavation	<b>4</b>
	<b>Site Name</b>	Former Lemoine Sausage Factory, 630 29th Avenue, Oakland, CA	
	<b>Client</b>	BA Properties, Inc.	



Clayton Project No. 70-97066.00.001	<b>Description</b>	Pump Truck	<b>5</b>
	<b>Site Name</b>	Former Lemoine Sausage Factory, 630 29th Avenue, Oakland, CA	
	<b>Client</b>	BA Properties, Inc.	



<b>Clayton Project No.</b> 70-97066.00.001	<b>Description</b>	Pump Truck Hose Inserted into Fill End of UST	<b>6</b> Photo Date 11/21/96
	<b>Site Name</b>	Former Lemoine Sausage Factory, 630 29th Avenue, Oakland, CA	
	<b>Client</b>	BA Properties, Inc.	



<b>Clayton Project No.</b> 70-97066.00.001	<b>Description</b>	UST Being Removed from Excavation	<b>7</b> Photo Date 11/21/96
	<b>Site Name</b>	Former Lemoine Sausage Factory, 630 29th Avenue, Oakland, CA	
	<b>Client</b>	BA Properties, Inc.	



Clayton Project No. 70-97066.00.001	Description	Water with Free Product in the Excavation After UST Removal	8
	Site Name	Former Lemoine Sausage Factory, 630 29th Avenue, Oakland, CA	Photo Date
	Client	BA Properties, Inc.	11/21/96



<b>Clayton Project No.</b> 70-97066.00.001	<b>Description</b>	Former Dispenser Location	<b>9</b>
	<b>Site Name</b>	Former Lemoine Sausage Factory, 630 29th Avenue, Oakland, CA	<b>Photo Date</b> 11/21/96
	<b>Client</b>	BA Properties, Inc.	

**APPENDIX A**

**PERMITS**

OCT 23 1996

Excavation Permit Granted \_\_\_\_\_ No. \_\_\_\_\_

# CITY OF OAKLAND

Tank Permit

**Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks.** No. 87-96

Oakland, California, October 21 19 96

PERMISSION IS HEREBY GRANTED TO ~~XXXXX~~ remove ~~XXXXX~~ Gasoline tank and excavate commencing four feet inside curb line

on the W side of 7th St. Street Avenue 100 feet S of 29th Ave. Street Avenue

House No. 630 29th Ave. Street Avenue Present Storage Gasoline

Owner Bank of America Properties, Inc. Address 560 DAVIS St., 2nd Fl., San Fran 94111 Phone (415)622-0663

Applicant Subsurface Environmental Corp. Address 1796 18th St., Ste. C San Fran 94107 Phone (415)863-8100

Dimensions of street (sidewalk) surface to be disturbed 15 x 6 Number of Tanks 1 Capacity 1000 Gallons, each.

Remarks: \_\_\_\_\_

This Permit is granted in accordance with existing City Ordinances.  
Owner hereby agrees to remove tanks on discontinuance of use or when notified by the City Authorities.  
When installing, removing or repairing tanks, no open flame to be on or near premises.

Approved \_\_\_\_\_  
Fire Marshal

Approved \_\_\_\_\_  
Drainage Division Engineering Dept.

## EXCAVATING PERMIT

Issued in accordance with Ord. No. 278 CMS, Sec. 6-2.04

\_\_\_\_\_ square feet of digging or removal granted.

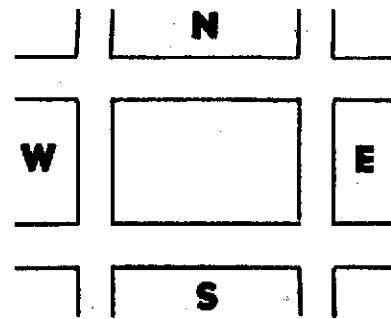
The receipt of \$ \_\_\_\_\_ special deposit is hereby acknowledged.

**GENERAL DEPOSIT.**

**BUREAU OF PERMITS AND LICENSES.**

Inspection Fee Paid . . . . . \$ 150.00

Received by D. Clemons Ck#13081/13075 Rec#744998/744999  
FIRE PREVENTION BUREAU



## CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on \_\_\_\_\_ 19 \_\_\_\_\_

By \_\_\_\_\_  
Fire Marshal

## NOTICE

**Before Covering Tanks, Above Certificate Must Be Signed.**  
When ready for inspection notify Fire Prevention Bureau, 273-3851

**THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY THEREFOR.**

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
 DEPARTMENT OF ENVIRONMENTAL HEALTH  
 ENVIRONMENTAL PROTECTION DIVISION  
 1131 HARBOR BAY PARKWAY, RM 250  
 ALAMEDA, CA 94502-6577  
 PHONE # 510/567-6700  
 510/567-9335

*Barney Chen*  
 Project Specialist

*OK 10/14/95  
 B Chen*

*NOTE: address requirements  
 in red*

**ACCEPTED**

Underground Storage Tank Closure Permit Application  
 Alameda County Division of Hazardous Materials  
 1131 Harbor Bay Parkway, Suite 250  
 Alameda, CA 94502-6577

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/destruction.  
 One copy of the accepted plans must be on the job site available to all contractors and craftsmen involved with the removal.  
 Any changes or alterations of these plans and specifications must be submitted to this Department and to the Planning and Building Inspectors Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 72 hours prior to the following required inspections:

- \_\_\_\_\_ Removal of Tank(s) and Piping
- \_\_\_\_\_ Sampling
- \_\_\_\_\_ Final Inspection

Issuance of a) permit to operate, b) permanent site closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

**THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS:**

Contact Specialist:

**UNDERGROUND TANK CLOSURE PLAN**  
 \* \* \* Complete according to attached instructions \* \* \*

1. Name of Business Lemoine Cold Storage  
 Business Owner or Contact Person (PRINT) See property owner
2. Site Address 630 29th Avenue  
 City Oakland, CA Zip \_\_\_\_\_ Phone \_\_\_\_\_
3. Mailing Address Bank of America Properties, Inc., 560 Davis St., 2nd Floor  
 City San Francisco, CA Zip 94111 Phone (415) 622-0663
4. Property Owner Bank of America Properties, Inc.  
 Business Name (if applicable) Same as above  
 Address 560 Davis St., 2nd Floor  
 City, State San Francisco, CA Zip 94111
5. Generator name under which tank will be manifested  
Bank of America Properties, Inc.  
 EPA ID# under which tank will be manifested CAC001162984



1987-02-11 09:17 WEST P.03/16  
6. Contractor Subsurface Environmental Corp  
Address 1796 18th st., Suite C  
City San Francisco, CA 94107 Phone (415) 863-8100  
License Type A, General Engineering ID# 618766  
with hazardous  
\*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board.

7. Consultant (if applicable) Clayton Environmental Consultants, Inc.  
Address 1252 Quarry Lane  
City, State Pleasanton, CA 94566 Phone (510) 426-2600

8. Main Contact Person for Investigation (if applicable)  
Name Richard Silva Title Geologist  
Company Clayton Environmental Consultants, Inc.  
Phone (510) 426-2600

9. Number of underground tanks being closed with this plan One  
Length of piping being removed under this plan Approx. 15 feet  
Total number of underground tanks at this facility (\*\*confirmed with owner or operator) One

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

**\*\* Underground storage tanks must be handled as hazardous waste \*\***

a) Product/Residual Sludge/Rinsate Transporter  
Name Erickson Inc. EPA I.D. No. CAD 009 466 392  
Hauler License No. 0019 License Exp. Date 1997  
Address 255 Parr Blvd.  
City Richmond State CA Zip 94801

b) Product/Residual Sludge/Rinsate Disposal Site  
Name Evergreen Environmental EPA ID# CAD 980887418  
Address 6880 Smith Ave  
City Newark State CA Zip 94360

c) Tank and Piping Transporter

Name Same as 10a EPA I.D. No. \_\_\_\_\_  
Hauler License No. \_\_\_\_\_ License Exp. Date \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

d) Tank and Piping Disposal Site

Name Same as 10a EPA I.D. No. \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

11. Sample Collector

Name Richard Silva, Geologist  
Company Clayton Environmental Consultants, Inc.  
Address 1252 Quarry Lane  
City Pleasanton State CA Zip 94556 Phone (510)426-2600

12. Laboratory

Name Clayton Environmental Consultants, Inc.  
Address 1252 Quarry Lane  
City Pleasanton State CA Zip 94556  
State Certification No. 1196

13. Have tanks or pipes leaked in the past? Yes[ ] No[ ] Unknown[X]

If yes, describe. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Vacuum truck will be used to remove all residual liquids.  
Tank will be rinsed and inerted with a minimum of 30  
pounds of dry ice.

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be permanently plugged.

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas indicator on-site to verify that the tank is inert.

15. Tank History and Sampling Information \*\*\* (see instructions) \*\*\*

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
1000 gallon	Gasoline date last used unknown	Soil	Each end of excavation beneath tank at a maximum of two feet  <i>One sample beneath dispenser and along piping Nun</i>

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

Excavated/Stockpiled Soil	
<p>Stockpiled Soil Volume (estimated)</p> <p style="text-align: center;">10 yards</p>	<p style="text-align: center;">Sampling Plan</p> <p style="text-align: center;">4 point composite sample</p>

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

Will the excavated soil be returned to the excavation immediately after tank removal?  yes  no  unknown

If yes, explain reasoning \_\_\_\_\_

If unknown at this point in time, please be aware that excavated soil may not be returned to the excavation without prior approval from Alameda County. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling operations.

16. Chemical methods and associated detection limits to be used for analyzing samples:

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

17. Submit Site Health and Safety Plan (See Instructions)

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
Gasoline	TPH-G (5030)	EPA MODIFIED 8015	1.0 mg/kg
MTBE	MTBE (5030)	EPA MODIFIED 8020	5.0 mg/kg
BTEX	BTEX (5030)	EPA MODIFIED 8020	.05 mg/kg
Lead - Total or organic		AA or ICAP	

- 18. Submit Worker's Compensation Certificate copy  
Name of Insurer State Compensation Insurance Fund Policy #1291679-96
- 19. Submit Plot Plan **\*\*\* (See Instructions) \*\*\***
- 20. Enclose Deposit (See Instructions)
- 21. Report any leaks or contamination to this office within 5 days of discovery.  
The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.
- 22. Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.
- 23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner)

I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

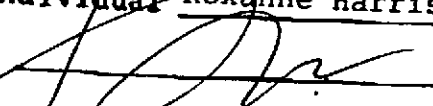
I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

**CONTRACTOR INFORMATION**

Name of Business Subsurface Environmental Corp.

Name of Individual Roxanne Harris

Signature  Date 10/10/96

**PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)**

Name of Business Bank of America Properties, Inc.

Name of Individual RICHARD FEHLER

Signature  Date 10/10/96

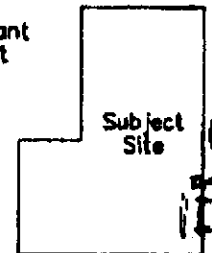
29TH AVENUE

29th

Chapman



Vacant Lot



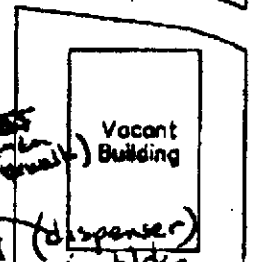
Subject Site



Vacant Lot



Automotive Repair Facility



Vacant Building

US (small)

(dispenser) in bldg

7th Street

INTERSTATE 880



Site Vicinity Map  
FORMER SAUSAGE AND COLD STORAGE WAREHOUSE  
630 29th Avenue  
Oakland, California

Figure

2

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

(not to scale)

Clayton Project No. 59737.00

**APPENDIX B**

**TANK CLOSURE INSPECTION WORKSHEETS**

CITY OF OAKLAND  
REPORT OF FIRE INSPECTION

ENGINE CO.

ADDRESS 630 29th Ave.

NAME \_\_\_\_\_

GENERAL INSPECTION

PERMIT   
OTHER

HAZARD NOTED

HAZARD ABATED

NOTICE LEFT LETTER

1st NOTICE

2nd NOTICE

FINAL

DATE	VIOLATION	DEC.	CONTACTED
11/21/96	Tank Pull - Operation went well - Contamination observed on soil		

A REINSPECTION WILL BE MADE WITHIN \_\_\_\_\_ DAYS.

FIRE PREVENTION BUREAU — PHONE 238-3851

338-5 (Rev. 7/95)

INSPECTOR HEG



white - env. health  
 yellow - facility  
 pink - files

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy  
 Alameda CA 94502  
 510/567-6700

## Hazardous Materials Inspection Form

P-1

II, III

Site ID # \_\_\_\_\_ Site Name Lemone Cold Storage Today's Date 11/21/96  
 Site Address 630 29th Ave  
 City Oak Zip 94601 Phone \_\_\_\_\_

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

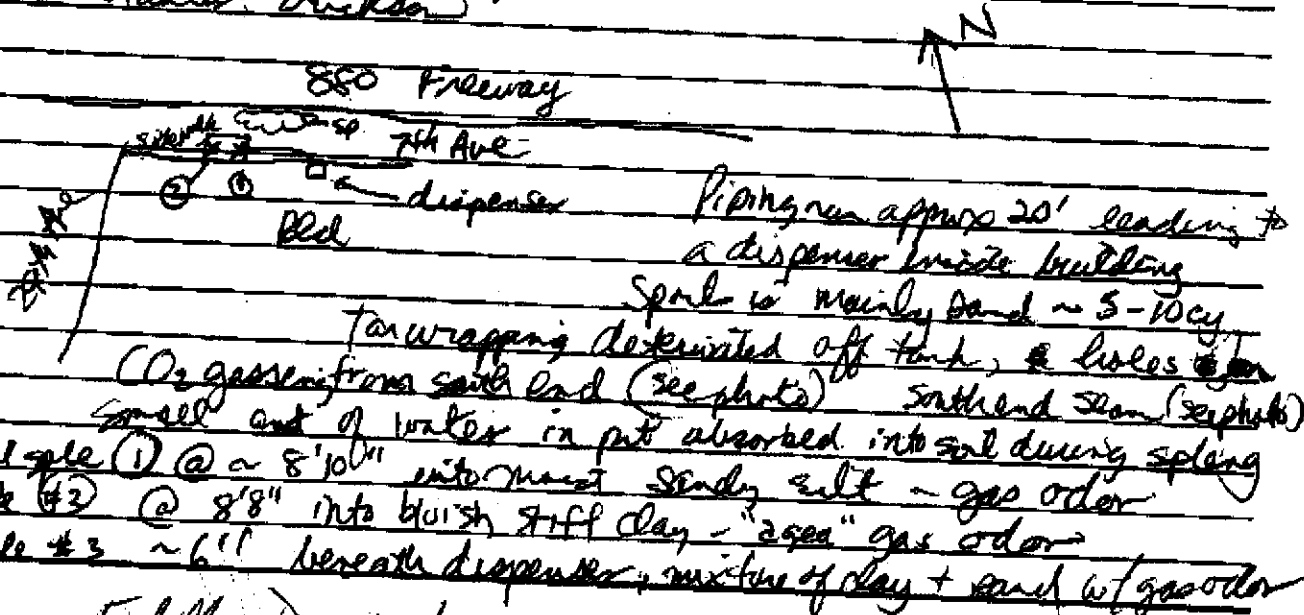
**Inspection Categories:**

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Hazardous Materials Business Plan, Acutely Hazardous Materials
- III. Under ground Storage Tanks Removal

\* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

**Comments:**

Hernan Gomez CFD present  
 Jim Cox et al Subsurface Env. - Contractor  
 Edward MacDaniel - Clayton Env. Consultant / splr  
 7% LEL, 4% O2  
 Present to witness removal of 1-1000 gallon gas tank  
 next to building, corner of 29th Ave + E 7th St  
 Tank handler: Erickson



Contact Ed MacDaniel  
 Title Project Geologist  
 Signature [Signature]

Inspector B. CHAN  
 Signature [Signature]

II, III

white -env. health  
 yellow -facility  
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH  
 Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy  
 Alameda CA 94502  
 510/567-6700

P2

II, III

Site ID # \_\_\_\_\_ Site Name Removal Storage Today's Date 11/21/96  
 Site Address 630 29th Ave  
 City Oak Zip 94601 Phone \_\_\_\_\_

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?  
 Inspection Categories:  
 I. Haz. Mat/Waste GENERATOR/TRANSPORTER  
 II. Hazardous Materials Business Plan, Acutely Hazardous Materials  
 III. Underground Storage Tanks  
Removal  
 \* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

Please square off tank pit & remove loosed soil/sand down to 9'.  
 Will need to take a water sample if GW comes into pit  
 Pls contact me (510) 567-6765 prior to any water sampling  
 Pls see sample for TPHg, MTBE, BTX & Total Lead.  
 Spills will be disposed.

Post-It™ brand fax transmittal memo 7871 # of pages > 2

To <u>Mr E. MacDaniel</u>	From <u>B Chan</u>
Co. <u>C. Clayton Inc</u>	Co. <u>ALEH</u>
Dept. _____	Phone # <u>510-567-6765</u>
Fax # <u>426-0166</u>	Fax # _____

Contact Ed MacDaniel  
 Title Proj. Geologist  
 Signature [Signature]

Inspector B. CHAN  
 Signature [Signature]

II, III

**APPENDIX C**

**MANIFESTS AND CERTIFICATES**

Form approved under the authority of the Department of Toxic Substances Control, Sacramento, California

Department of TOXIC SUBSTANCES CONTROL  
Sacramento, California

### UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

4. Generator's Phone ( )

5. Transporter 1 Company Name

6. US EPA ID Number

Ericksen, Inc.

CA 0099 60032

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Evergreen Oil Co  
6680 Smith Avenue  
Newark, CA 94560

10. US EPA ID Number

CA 0980 87418

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

a. **HAZARDOUS Waste Liquids**  
Used Oil

12. Containers  
No. Type

13. Total Quantity

14. Unit Wt/Vol

0 0 1 T/T 1/AC/00

Post-it® Fax Note	7671	Date	3/8/97	# of pages	3
To	EO McDANIEL	From	5-1910		
Co./Dept.	Clayton Enviro	Co.	Subsurface		
Phone #	510 426 2629	Phone #			
Fax #		Fax #			

15. Special Handling Instructions and Additional Information

24 Hour Contact

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name Signature Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name Signature Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.  
Printed/Typed Name Signature Month Day Year

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

BO-ARMZRG

EMERGENCY

06424269

Form approved under the... Please print or type. Form designed for use on alpha (12-pitch) typewriter.

Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1

Information in the shaded areas is not required by Federal law.

CAC001162984916029

1 of 1

3. Generator's Name and Mailing Address

BANK OF AMERICA PROPERTIES, INC.  
560 DAVIS STREET 2ND FLOOR  
SAN FRANCISCO, CA 94111

4. Generator's Phone (415) 622-0663

5. Transporter 1 Company Name

American Valley

6. US EPA ID Number

CA11010012111514

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

EVERGREEN ENV.  
6930 SMITH AVE  
NEWARK, CA 94560

10. US EPA ID Number

CA1295101874118

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

NON RCRA HAZARDOUS WASTE LIQUID

12. Containers  
No. Type

001 TT 002900 G

13. Total Quantity

14. Unit Wt/Val

15. Special Handling Instructions and Additional Information

24 HOUR EMERGENCY CONTACT: Jim Cox, Subsurface ENVIRONMENTAL CORP.  
(415) 863-8100 Subsurface # 960259  
SITE LOCATION: 630 29TH AVENUE OAKLAND CA.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Month Day Year  
11 21 96

Signature: Jim Cox Agent for Bank of America Properties

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Month Day Year  
11 21 96

Signature: Bill Lemos

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Month Day Year

Signature

DO NOT WRITE BELOW THIS LINE.

Yellow: GENERATOR RETAINS

95590401  
ROTARY EMERGENCY  
IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-352-7550

Please print or type. Form designed for use on a file (12-pitch) typewriter.

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No.

CAC001162984

Manifest Document No.

01010

2. Page 1

of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

Bank of America Properties Inc.  
560 Davis St. - 2nd Floor  
San Francisco, Calif. 94111  
415 633-0663

5. Transporter 1 Company Name

Dexanna

6. US EPA ID Number

CAD982438566

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

ERTCOBOL INC.  
257 Parr Blvd.  
Richmond, CA. 94701

10. US EPA ID Number

CAD01149566341

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

EMPTY-HAZARDOUS Waste Solid  
Waste Empty Storage Tank.

12. Containers  
No. Type

0 0 1 T P 0 1 0 0 0

13. Total Quantity

14. Unit Wt/Vol

15. Special Handling Instructions and Additional Information

Keep away from sources of ignition. Always wear hardhats when working around U.G.S.T.'s 24 Hr. Contact Name: Tim Cox & Phone: (415) 863-8100  
Site Location: 630 - 29th Avenue --- Oakland, California

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Robert Cox, Agent for Bank of America

Signature

[Signature]

Month: 1 1 Day: 2 1 Year: 9 6

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

James R. Cox

Signature

[Signature]

Month: 1 1 Day: 2 1 Year: 9 6

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month: Day: Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month: Day: Year:

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7350



# NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.  
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 036099

## Section I GENERATOR (Generator completes all of Section I)

a. Generator Name: BANK OF AMERICA PROPERTIES INC. Generating Location: OAKLAND  
 c. Address: 560 DAVIS STREET 2nd Floor d. Address: 630 29th AVE.  
SAN FRANCISCO, CA 94111 OAKLAND, CA  
 e. Phone No.: 415 622-0663 f. Phone No.: \_\_\_\_\_  
 If owner of the generating facility differs from the generator, provide:  
 g. Owner's Name: \_\_\_\_\_ h. Owner's Phone No.: \_\_\_\_\_

i. BFI WASTE CODE: 

CA	405	012897	00480
----	-----	--------	-------

 Containers: \_\_\_\_\_  
 j. Description of Waste: DIAT k. Quantity: 

6	Y		T
---	---	--	---

 Units: \_\_\_\_\_ No.: \_\_\_\_\_ TYPE: \_\_\_\_\_  
 TYPE  
 DM - METAL DRUM  
 DP - PLASTIC DRUM  
 B - BAG  
 BA - 6 MIL. PLASTIC BAG or WRAP  
 T - TRUCK  
 O - OTHER

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

Patricia Daniel for BFI Signature: [Signature] Shipment Date: 013197  
 Generator Authorized Agent Name Signature

UNITS  
 P - POUNDS  
 Y - YARDS  
 M<sup>3</sup> - CUBIC METERS  
 Y<sup>3</sup> - CUBIC YARDS  
 O - OTHER

## Section II TRANSPORTER (Generator completes a-d; Transporter I completes e-g; Transporter II completes f-h)

TRANSPORTER I  
 a. Name: SUBSURFACE ENVIRO  
 b. Address: 1746 18th ST. SUITE C  
SAN FRANCISCO CA 94107  
 c. Driver Name/Title: LEE A HARRIS  
 PRINT/TYPE  
 d. Phone No.: 774 461-1130 e. Truck No.: 238  
 f. Vehicle License No./State: 4Z 55945  
 Acknowledgement of Receipt of Materials.  
 g. [Signature] Shipment Date: 013197  
 Driver Signature Shipment Date

TRANSPORTER II  
 h. Name: \_\_\_\_\_  
 i. Address: \_\_\_\_\_  
 j. Driver Name/Title: \_\_\_\_\_  
 PRINT/TYPE  
 k. Phone No.: \_\_\_\_\_ l. Truck No.: \_\_\_\_\_  
 m. Vehicle License No./State: \_\_\_\_\_  
 Acknowledgement of Receipt of Materials.  
 n. \_\_\_\_\_ Shipment Date: \_\_\_\_\_  
 Driver Signature Shipment Date

## Section III DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: \_\_\_\_\_ c. Phone No.: \_\_\_\_\_  
 b. Physical Address: \_\_\_\_\_ d. Mailing Address: \_\_\_\_\_  
 e. Discrepancy Indication Space: \_\_\_\_\_  
 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.  
 f. [Signature] Receipt Date: 013197  
 Name of Authorized Agent Signature

## Section IV ASBESTOS (Generator completes a-d, f, g; Operator\* completes e.)

a. Operator's\* Name: \_\_\_\_\_ b. Operator's\* Phone No.: \_\_\_\_\_  
 c. Operator's\* Address: \_\_\_\_\_  
 d. Special Handling Instructions and additional information: \_\_\_\_\_

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

e. Operator's\* Name & Title: \_\_\_\_\_ Operator's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Type  
 f. Name and Address of Responsible Agency: \_\_\_\_\_  
 g.  Friable;  Non-friable;  Both \_\_\_\_\_ % friable \_\_\_\_\_ % nonfriable

\* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.



# NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.  
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 036100

## Section I GENERATOR (Generator completes all of Section I)

a. Generator Name: Bank of America Properties Inc. b. Generating Location: OAKland  
 c. Address: 560 Davis St. 2nd Floor d. Address: 630 29th Ave.  
SAN FRANCISCO, CA 94111 OAKland, CA  
 e. Phone No.: \_\_\_\_\_ f. Phone No.: \_\_\_\_\_  
 If owner of the generating facility differs from the generator, provide:  
 g. Owner's Name: \_\_\_\_\_ h. Owner's Phone No.: \_\_\_\_\_

i. BFI WASTE CODE: CA 405 012897 00480 Containers: \_\_\_\_\_  
 j. Description of Waste: DIRT k. Quantity: \_\_\_\_\_ Units: 6 No.: \_\_\_\_\_ TYPE: T  
 TYPE  
 DM - METAL DRUM  
 DP - PLASTIC DRUM  
 B - BAG  
 BA - 6 MIL PLASTIC BAG or WRAP  
 T - TRUCK  
 O - OTHER  
 UNITS  
 P - POUNDS  
 Y - YARDS  
 M<sup>3</sup> - CUBIC METERS  
 Y<sup>3</sup> - CUBIC YARDS  
 O - OTHER

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

Edman Daniel for BFI Signature: \_\_\_\_\_ Shipment Date: 013197  
 Generator Authorized Agent Name

## Section II TRANSPORTER (Generator completes a-c; Transporter I completes e-g; Transporter II completes h-n)

TRANSPORTER I  
 a. Name: SUBSURFACE ENVIRONMENTAL  
 b. Address: 1796 18th ST SUITE "C"  
SAN FRANCISCO, CA 94107  
 c. Driver Name/Title: LEE A HARRIS PRINT/TYPE  
 d. Phone No.: 707-451-1630 e. Truck No.: 72238  
 f. Vehicle License No./State: 4Z25945  
 Acknowledgement of Receipt of Materials.  
 g. Lee Harris Shipment Date: 013197  
 Driver Signature

TRANSPORTER II  
 h. Name: \_\_\_\_\_  
 i. Address: \_\_\_\_\_  
 j. Driver Name/Title: \_\_\_\_\_ PRINT/TYPE  
 k. Phone No.: \_\_\_\_\_ l. Truck No.: \_\_\_\_\_  
 m. Vehicle License No./State: \_\_\_\_\_  
 Acknowledgement of Receipt of Materials.  
 n. \_\_\_\_\_ Shipment Date: \_\_\_\_\_  
 Driver Signature

## Section III DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: \_\_\_\_\_ c. Phone No.: \_\_\_\_\_  
 b. Physical Address: \_\_\_\_\_ d. Mailing Address: \_\_\_\_\_  
 e. Discrepancy Indication Space: \_\_\_\_\_  
 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.  
 f. \_\_\_\_\_ Signature: \_\_\_\_\_ Receipt Date: 013197  
 Name of Authorized Agent

## Section IV ASBESTOS (Generator completes a-d, f, g; Operator\* completes e.)

a. Operator's\* Name: \_\_\_\_\_ b. Operator's\* Phone No.: \_\_\_\_\_  
 c. Operator's\* Address: \_\_\_\_\_  
 d. Special Handling Instructions and additional information: \_\_\_\_\_  
 OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.  
 e. Operator's\* Name & Title: \_\_\_\_\_ Operator's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Type  
 f. Name and Address of Responsible Agency: \_\_\_\_\_  
 g.  Friable;  Non-friable;  Both \_\_\_\_\_ % friable \_\_\_\_\_ % nonfriable  
 \* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.





# NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.  
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 712853

a. Generator Name: Bank of America Holdings, Generating Location: Oakland  
 c. Address: 560 Davis St. 2nd Floor d. Address: 630 29th Ave  
San Francisco, CA 94111 Oakland, CA

e. Phone No.: 415-622-0663 f. Phone No.: \_\_\_\_\_

If owner of the generating facility differs from the generator, provide:

g. Owner's Name: \_\_\_\_\_ h. Owner's Phone No.: \_\_\_\_\_

i. BFI WASTE CODE: 

CA	905	012897	00480
----	-----	--------	-------

 Containers: \_\_\_\_\_

j. Description of Waste: DIRT Quantity: 

		6	Y		
--	--	---	---	--	--

 Units: Y No.: 

--	--	--	--

 TYPE: 

			T
--	--	--	---

- TYPE
- DM - METAL DRUM
  - DP - PLASTIC DRUM
  - B - BAG
  - BA - 6 MIL. PLASTIC BAG or WRAP
  - T - TRUCK
  - O - OTHER
- UNITS
- P - POUNDS
  - Y - YARDS
  - M<sup>3</sup> - CUBIC METERS
  - Y<sup>3</sup> - CUBIC YARDS
  - O - OTHER

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

[Signature] Generator Authorized Agent Name: [Signature] Signature  
 Shipment Date: 

0	1	3	1	9	7
---	---	---	---	---	---

## Section II TRANSPORTER

**TRANSPORTER I**

a. Name: SUBSURFACE ENVIRONMENTAL  
 b. Address: 1746 18th St. Suite C  
SAN FRANCISCO, CA 94107  
 c. Driver Name/Title: LEE HARRIS  
 d. Phone No.: 415-867-8100 e. Truck No.: 238  
 f. Vehicle License No./State: 4Z 25945  
 Acknowledgement of Receipt of Materials.  
 g. [Signature] Driver Signature  
 Shipment Date: 

0	1	3	1	9	7
---	---	---	---	---	---

**TRANSPORTER II**

h. Name: \_\_\_\_\_  
 i. Address: \_\_\_\_\_  
 j. Driver Name/Title: \_\_\_\_\_  
 k. Phone No.: \_\_\_\_\_ l. Truck No.: \_\_\_\_\_  
 m. Vehicle License No./State: \_\_\_\_\_  
 Acknowledgement of Receipt of Materials.  
 n. \_\_\_\_\_ Driver Signature  
 Shipment Date: 

--	--	--	--	--	--

## Section III DESTINATION

a. Site Name: \_\_\_\_\_ c. Phone No.: \_\_\_\_\_  
 b. Physical Address: \_\_\_\_\_ d. Mailing Address: \_\_\_\_\_  
 e. Discrepancy Indication Space: \_\_\_\_\_  
 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.  
 f. [Signature] Name of Authorized Agent Signature  
 Receipt Date: 

0	1	3	1	9	7
---	---	---	---	---	---

## Section IV ASBESTOS

a. Operator's\* Name: \_\_\_\_\_ b. Operator's\* Phone No.: \_\_\_\_\_  
 c. Operator's\* Address: \_\_\_\_\_  
 d. Special Handling Instructions and additional information: \_\_\_\_\_  
 OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.  
 e. Operator's\* Name & Title: \_\_\_\_\_ Print/Type Operator's\* Signature \_\_\_\_\_ Date \_\_\_\_\_  
 f. Name and Address of Responsible Agency: \_\_\_\_\_  
 g.  Friable;  Non-friable;  Both \_\_\_\_\_ % friable \_\_\_\_\_ % nonfriable

\* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

**APPENDIX D**

**ANALYTICAL LABORATORY REPORTS**

San Francisco Regional Office

1252 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(510) 426-2600  
Fax (510) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

December 5, 1996

Mr. Ed MacDaniel  
CLAYTON ENVIRONMENTAL CONS.  
1252 Quarry Lane  
Pleasanton, CA 94566

PARTIAL REPORT  
Client Ref.: 70-97066.00.000  
Clayton Project No.: 96112.87

Dear Mr. MacDaniel:

Attached is our analytical laboratory report for the samples received on November 21, 1996 and originally reported on November 27, 1996. Results for Comp. SP-1 thru SP-8 and organic lead results for S-1 thru S-7 were not included in the original report and are presented in this report. Organic lead analysis was performed by Sequoia Analytical.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Suzanne Haus, Client Services Supervisor, at (510) 426-2657.

Sincerely,



Harriotte A. Hurley, CIH  
Director, Laboratory Services  
San Francisco Regional Office

HAH/tjb

Attachments

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification: COMPOSITE SP1 THROUGH SP8 Date Sampled: 11/21/96  
 Lab Number: 9611287-17A Date Received: 11/21/96  
 Sample Matrix/Media: SOIL Date Prepared: 11/25/96  
 Preparation Method: EPA 5030 Date Analyzed: 11/25/96  
 Method Reference: EPA 8015/8020 Analyst: NAN

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	0.23	0.005
Ethylbenzene	100-41-4	6.6	0.005
Toluene	108-88-3	40	0.005
o-Xylene	95-47-6	12	0.005
p,m-Xylenes	--	14	0.005
Gasoline	--	990	0.3
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	99	50 - 150

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9611287-18A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	11/25/96
Preparation Method:	EPA 5030	Date Analyzed:	11/25/96
Method Reference:	EPA 8015/8020	Analyst:	NAN

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	102	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification: COMPOSITE SP1 THROUGH SP8  
Lab Number: 9611287-17  
Sample Matrix/Media: SOIL

Date Sampled: 11/21/96  
Date Received: 11/21/96

Analyte	Concentration	Method		Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection	Limit					
Ignitability	N.I. *	--	--	--	--	12/05/96	--	EPA 1030
Reactive Cyanide	<1	1		mg/kg	--	12/02/96	--	EPA 9010A
Reactive Sulfide	<10	10		mg/kg	--	12/02/96	--	SW 7.3.4.2
pH	8.4	--		S.U.	--	12/04/96	--	EPA 9045C

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

\* N.I. = Not Ignitable

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification: METHOD BLANK  
Lab Number: 9611287-18  
Sample Matrix/Media: SOIL

Date Sampled: --  
Date Received: --

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Reactive Cyanide	<1	1	mg/kg	--	12/02/96	--	EPA 9010A
Reactive Sulfide	<10	10	mg/kg	--	12/02/96	--	SW 7.3.4.2

ND: Not detected at or above limit of detection  
--: Information not available or not applicable



**Sequoia  
Analytical**

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94068  
Walnut Creek, CA 94598  
Sacramento, CA 95834

(415) 364-9600  
(510) 988-9600  
(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

Clayton Environmental Consultants, Inc.  
P.O. Box 9019  
Pleasanton, CA 94566  
Attention: Suzanne Haus

Client Project ID: #8611267  
Sample Descript: Soil  
Analysis for: Organic Lead  
First Sample #: 611-1962

Sampled: Nov 21, 1996  
Received: Nov 26, 1996  
Digested: Dec 5, 1996  
Analyzed: Dec 5, 1996  
Reported: Dec 5, 1996

**LABORATORY ANALYSIS FOR:      Organic Lead**

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg	QC Batch Number	Instrument ID
611-1962	Composite SP-(1-8)	0.050	0.44	ME120596LUFTMDA	MV-1

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

*Jim Bava*  
Jim Bava  
Project Manager





**Sequoia  
Analytical**

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

(415) 864-9600  
(510) 988-9600  
(916) 921-9600

FAX (415) 864-9333  
FAX (510) 988-9673  
FAX (916) 921-0100

Clayton Environmental Consultants, Inc.  
P.O. Box 9019  
Pleasanton, CA 94566  
Attention: Suzanne Haus

Client Project ID: #9611287  
Sample Descript: Soil  
Analysis for: Organic Lead  
First Sample #: 611-1979

Sampled: Nov 21, 1996  
Received: Nov 22, 1996  
Digested: Dec 5, 1996  
Analyzed: Dec 5, 1996  
Reported: Dec 5, 1996

**LABORATORY ANALYSIS FOR: Organic Lead**

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg	QC Batch Number	Instrument ID
611-1979	S-1	0.050	0.38	ME120596LUFTMDA	MV-1
611-1980	S-2	0.050	0.26	ME120596LUFTMDA	MV-1
611-1981	S-3	0.050	0.090	ME120596LUFTMDA	MV-1
611-1982	S-4	0.050	0.90	ME120596LUFTMDA	MV-1
611-1983	S-5	0.050	0.33	ME120596LUFTMDA	MV-1
611-1984	S-6	0.050	0.63	ME120596LUFTMDA	MV-1
611-1985	S-7	0.050	0.22	ME120596LUFTMDA	MV-1

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

  
Jim Eava  
Project Manager

San Francisco Regional Office

1252 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(510) 426-2600  
Fax (510) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

November 27, 1996

Mr. Ed MacDaniel  
CLAYTON ENVIRONMENTAL CONS.  
1252 Quarry Lane  
Pleasanton, CA 94566

PARTIAL REPORT  
Client Ref.: 70-97066.00.000  
Clayton Project No.: 96112.87

Dear Mr. MacDaniel:

Attached is our analytical laboratory report for the samples received on November 21, 1996. Results for Comp. SP-1 thru SP-8 will be forwarded to you upon completion. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after December 27, 1996, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Suzanne Haus, Client Services Supervisor, at (510) 426-2657.

Sincerely,



Harriotte A. Hurley, CIH  
Director, Laboratory Services  
San Francisco Regional Office

HAH/tjb

Attachments

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification: S-1	Date Sampled: 11/21/96
Lab Number: 9611287-01A	Date Received: 11/21/96
Sample Matrix/Media: SOIL	Date Prepared: 11/21/96
Preparation Method: EPA 5030	Date Analyzed: 11/22/96
Method Reference: EPA 8015/8020	Analyst: DL

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	1.2	0.05
Ethylbenzene	100-41-4	12	0.05
Toluene	108-88-3	100	0.05
o-Xylene	95-47-6	20	0.05
p,m-Xylenes	--	46	0.05
Gasoline	--	1800	3
MTBE	--	ND	50

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	D	50 - 150

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Note: Detection limits increased due to dilution necessary for quantitation.

D = Surrogate diluted out.

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification: S-2	Date Sampled: 11/21/96
Lab Number: 9611287-02A	Date Received: 11/21/96
Sample Matrix/Media: SOIL	Date Prepared: 11/21/96
Preparation Method: EPA 5030	Date Analyzed: 11/22/96
Method Reference: EPA 8015/8020	Analyst: DL

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	0.39	0.05
Ethylbenzene	100-41-4	0.28	0.05
Toluene	108-88-3	0.70	0.05
o-Xylene	95-47-6	0.41	0.05
p,m-Xylenes	--	0.83	0.05
Gasoline	--	70	3
MTBE	--	ND	50
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	D	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Note: Detection limits increased due to dilution necessary for quantitation.  
D = Surrogate diluted out.

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification: S-3	Date Sampled: 11/21/96
Lab Number: 9611287-03A	Date Received: 11/21/96
Sample Matrix/Media: SOIL	Date Prepared: 11/21/96
Preparation Method: EPA 5030	Date Analyzed: 11/22/96
Method Reference: EPA 8015/8020	Analyst: DL

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	2.1	0.05
Ethylbenzene	100-41-4	5.3	0.05
Toluene	108-88-3	11	0.05
o-Xylene	95-47-6	9.4	0.05
p,m-Xylenes	--	20	0.05
Gasoline	--	290	3
MTBE	--	ND	50

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	D	50 - 150

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Note: Detection limits increased due to dilution necessary for quantitation.

D = Surrogate diluted out.

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification: S-4	Date Sampled: 11/21/96
Lab Number: 9611287-04A	Date Received: 11/21/96
Sample Matrix/Media: SOIL	Date Prepared: 11/21/96
Preparation Method: EPA 5030	Date Analyzed: 11/22/96
Method Reference: EPA 8015/8020	Analyst: DL

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	16	0.5
Ethylbenzene	100-41-4	29	0.5
Toluene	108-88-3	380	0.5
o-Xylene	95-47-6	48	0.5
p,m-Xylenes	--	110	0.5
Gasoline	--	4300	30
MTBE	--	ND	1000

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	D	50 - 150

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Note: Detection limits increased due to dilution necessary for quantitation.

D = Surrogate diluted out.

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification: S-5	Date Sampled: 11/21/96
Lab Number: 9611287-05A	Date Received: 11/21/96
Sample Matrix/Media: SOIL	Date Prepared: 11/21/96
Preparation Method: EPA 5030	Date Analyzed: 11/22/96
Method Reference: EPA 8015/8020	Analyst: DL

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	0.44	0.05
Ethylbenzene	100-41-4	1.1	0.05
Toluene	108-88-3	2.8	0.05
o-Xylene	95-47-6	1.5	0.05
p,m-Xylenes	--	3.8	0.05
Gasoline	--	220	3
MTBE	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	D	50 - 150

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Note: Detection limits increased due to dilution necessary for quantitation.

D = Surrogate diluted out.

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification: S-6	Date Sampled: 11/21/96
Lab Number: 9611287-06A	Date Received: 11/21/96
Sample Matrix/Media: SOIL	Date Prepared: 11/21/96
Preparation Method: EPA 5030	Date Analyzed: 11/22/96
Method Reference: EPA 8015/8020	Analyst: DL

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	4.2	0.05
Ethylbenzene	100-41-4	19	0.05
Toluene	108-88-3	2.4	0.05
o-Xylene	95-47-6	1.3	0.05
p,m-Xylenes	--	59	0.05
Gasoline	--	2500	3
MTBE	--	ND	1000
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	D	50 - 150

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Note: Detection limits increased due to dilution necessary for quantitation.

D = Surrogate diluted out.



Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification: S-7	Date Sampled: 11/21/96
Lab Number: 9611287-07A	Date Received: 11/21/96
Sample Matrix/Media: SOIL	Date Prepared: 11/21/96
Preparation Method: EPA 5030	Date Analyzed: 11/22/96
Method Reference: EPA 8015/8020	Analyst: DL

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	0.10	0.05
Ethylbenzene	100-41-4	1.3	0.05
Toluene	108-88-3	0.43	0.05
o-Xylene	95-47-6	ND	0.05
p,m-Xylenes	--	1.3	0.05
Gasoline	--	310	3
MTBE	--	ND	50

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	D	50 - 150

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Note: Detection limits increased due to dilution necessary for quantitation.

D = Surrogate diluted out.

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification: S-1	Date Sampled: 11/21/96
Lab Number: 9611287-01A	Date Received: 11/21/96
Sample Matrix/Media: SOIL	Date Prepared: 11/21/96
Preparation Method: EPA 5030	Date Analyzed: 11/22/96
Method Reference: EPA 8015/8020	Analyst: DL

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	1.2	0.05
Ethylbenzene	100-41-4	12	0.05
Toluene	108-88-3	100	0.05
o-Xylene	95-47-6	20	0.05
p,m-Xylenes	--	46	0.05
Gasoline	--	1800	3
MTBE	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	D	50 - 150

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Note: Detection limits increased due to dilution necessary for quantitation.

D = Surrogate diluted out.

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification: S-2	Date Sampled: 11/21/96
Lab Number: 9611287-02A	Date Received: 11/21/96
Sample Matrix/Media: SOIL	Date Prepared: 11/21/96
Preparation Method: EPA 5030	Date Analyzed: 11/22/96
Method Reference: EPA 8015/8020	Analyst: DL

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	0.39	0.05
Ethylbenzene	100-41-4	0.28	0.05
Toluene	108-88-3	0.70	0.05
o-Xylene	95-47-6	0.41	0.05
p,m-Xylenes	--	0.83	0.05
Gasoline	--	70	3
MTBE	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
1,1,1-Trifluorotoluene	98-08-8	D	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.  
Note: Detection limits increased due to dilution necessary for quantitation.  
D = Surrogate diluted out.

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification: S-3	Date Sampled: 11/21/96
Lab Number: 9611287-03A	Date Received: 11/21/96
Sample Matrix/Media: SOIL	Date Prepared: 11/21/96
Preparation Method: EPA 5030	Date Analyzed: 11/22/96
Method Reference: EPA 8015/8020	Analyst: DL

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	2.1	0.05
Ethylbenzene	100-41-4	5.3	0.05
Toluene	108-88-3	11	0.05
o-Xylene	95-47-6	9.4	0.05
p,m-Xylenes	--	20	0.05
Gasoline	--	290	3
MTBE	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	D	50 - 150

NI: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Note: Detection limits increased due to dilution necessary for quantitation.

D = Surrogate diluted out.

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification: S-4	Date Sampled: 11/21/96
Lab Number: 9611287-04A	Date Received: 11/21/96
Sample Matrix/Media: SOIL	Date Prepared: 11/21/96
Preparation Method: EPA 5030	Date Analyzed: 11/22/96
Method Reference: EPA 8015/8020	Analyst: DL

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	16	0.5
Ethylbenzene	100-41-4	29	0.5
Toluene	108-88-3	380	0.5
o-Xylene	95-47-6	48	0.5
p,m-Xylenes	--	110	0.5
Gasoline	--	4300	30
MTBE	--	ND	1000
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	D	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.  
Note: Detection limits increased due to dilution necessary for quantitation.  
D = Surrogate diluted out.

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification:	S-5	Date Sampled:	11/21/96
Lab Number:	9611287-05A	Date Received:	11/21/96
Sample Matrix/Media:	SOIL	Date Prepared:	11/21/96
Preparation Method:	EPA 5030	Date Analyzed:	11/22/96
Method Reference:	EPA 8015/8020	Analyst:	DL

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	0.44	0.05
Ethylbenzene	100-41-4	1.1	0.05
Toluene	108-88-3	2.8	0.05
o-Xylene	95-47-6	1.5	0.05
p,m-Xylenes	--	3.8	0.05
Gasoline	--	220	3
MTBE	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	D	50 - 150

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Note: Detection limits increased due to dilution necessary for quantitation.

D = Surrogate diluted out.

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification:	S-6	Date Sampled:	11/21/96
Lab Number:	9611287-06A	Date Received:	11/21/96
Sample Matrix/Media:	SOIL	Date Prepared:	11/21/96
Preparation Method:	EPA 5030	Date Analyzed:	11/22/96
Method Reference:	EPA 8015/8020	Analyst:	DL

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	4.2	0.05
Ethylbenzene	100-41-4	19	0.05
Toluene	108-88-3	2.4	0.05
o-Xylene	95-47-6	1.3	0.05
p,m-Xylenes	--	59	0.05
Gasoline	--	2500	3
MTBE	--	ND	1000
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	D	50 - 150

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Note: Detection limits increased due to dilution necessary for quantitation.

D = Surrogate diluted out.

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification: S-7	Date Sampled: 11/21/96
Lab Number: 9611287-07A	Date Received: 11/21/96
Sample Matrix/Media: SOIL	Date Prepared: 11/21/96
Preparation Method: EPA 5030	Date Analyzed: 11/22/96
Method Reference: EPA 8015/8020	Analyst: DL

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	0.10	0.05
Ethylbenzene	100-41-4	1.3	0.05
Toluene	108-88-3	0.43	0.05
o-Xylene	95-47-6	ND	0.05
p,m-Xylenes	--	1.3	0.05
Gasoline	--	310	3
MTBE	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	D	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.  
Note: Detection limits increased due to dilution necessary for quantitation.  
D = Surrogate diluted out.



Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9611287-16A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	11/21/96
Preparation Method:	EPA 5030	Date Analyzed:	11/21/96
Method Reference:	EPA 8015/8020	Analyst:	DL

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
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BTEX/Gasoline

Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
MTBE	--	ND	5

Surrogates

		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	103	50 - 150

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

San Francisco Regional Office

1252 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(510) 426-2600  
Fax (510) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

January 28, 1997

Mr. Ed MacDaniel  
CLAYTON ENVIRONMENTAL CONS.  
1252 Quarry Lane  
Pleasanton, CA 94566

ADDITIONAL REPORT  
Client Ref.: 70-97066.00.000  
Clayton Project No.: 96112.87

Dear Mr. MacDaniel:

Attached is our analytical laboratory report for the samples received on November 21, 1996 and originally reported on November 27, 1996. As requested, sample Comp. SP-1 thru SP-8 was analyzed for STLC Lead.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Suzanne Haus, Client Services Supervisor, at (510) 426-2657.

Sincerely,



Harriotte A. Hurley, CIH  
Director, Laboratory Services  
San Francisco Regional Office

HAH/tjb

Attachments

Analytical Results  
 for  
 Clayton Environmental Consultants, Inc.  
 Client Reference: 70-97066.00.000  
 Clayton Project No. 96112.87

Sample Identification:	See Below	Date Received:	11/21/96
Lab Number:	9611287	Date Digested:	01/24/97
Sample Matrix/Media:	SOIL	Date Prepared:	01/21/97
Digestion Method:	EPA 3010A	Date Analyzed:	01/24/97
Preparation Method:	CAM WET		
Method Reference:	EPA 6010A		

Lab Number	Sample Identification	Date Sampled	STLC Lead (mg/L)	Method Detection Limit (mg/L)
17	COMPOSITE SP1 THROUGH SP8	11/21/96	3.7	0.1
18	METHOD BLANK	--	<0.1	0.1

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

San Francisco Regional Office

1252 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(510) 426-2600  
Fax (510) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

January 17, 1997

Mr. Ed MacDaniel  
CLAYTON ENVIRONMENTAL CONS.  
1252 Quarry Lane  
Pleasanton, CA 94566

ADDITIONAL REPORT  
Client Ref.: 70-97066.00.000  
Clayton Project No.: 96112.87

Dear Mr. MacDaniel:

Attached is our analytical laboratory report for the samples received on November 21, 1996 and originally reported on November 27, 1996. As requested, sample Comp. SP-1 thru SP-8 was analyzed for Lead.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Suzanne Haus, Client Services Supervisor, at (510) 426-2657.

Sincerely,



Harriotte A. Hurley, CIH  
Director, Laboratory Services  
San Francisco Regional Office

HAH/tjb

Attachments

Analytical Results  
for  
Clayton Environmental Consultants, Inc.  
Client Reference: 70-97066.00.000  
Clayton Project No. 96112.87

Sample Identification: See Below  
 Lab Number: 9611287  
 Sample Matrix/Media: SOIL  
 Digestion Method: EPA 3050A  
 Method Reference: EPA 6010A  
 Date Received: 11/21/96  
 Date Digested: 01/16/97  
 Date Analyzed: 01/16/97

Lab Number	Sample Identification	Date Sampled	Lead (mg/kg)	Method Detection Limit (mg/kg)
-17	COMPOSITE SP1 THROUGH SP8	11/21/96	54	1
18	METHOD BLANK	--	<1	1

ND: Not detected at or above limit of detection  
 -: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Clayton Environmental Consultants, Inc., San Francisco Regional Laboratory

ADDITIONAL REQUEST FOR ANALYTICAL SERVICES

Date Requested: 1/14/97

Due Date: 1/16/97

Request Taken By: S. Haux

Requested by: Rick Day

Company: CEC - EEP

Clayton Sample ID	Client Sample ID	Analysis Requested
<u>9611287-17</u>	<u>Comp. S1-SP8</u>	<u>lead</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Comments: Stored. F-4

cc: Dave / sc