

# BASELINE

## ENVIRONMENTAL CONSULTING

August 1, 1989  
S9-107


Mr. Francis Collins  
Clement Avenue Project  
P.O. Box 8685  
Emeryville, CA 94662-0685

**Subject: Documentation for Underground Tank Removal at 2235 Clement Avenue, Alameda, California**

Dear Mr. Collins:

Enclosed please find five copies of our report documenting the removal of one 550-gallon gasoline tank at 2235 Cypress Avenue, Alameda. Please be advised that a copy of the enclosed report needs to be submitted to the Regional Water Quality Control Board San Francisco Region (1111 Jackson Street, Oakland, CA 94607), Alameda County (Hazardous Materials, 80 Swan Way, Room 200, Oakland, CA 94621), and City of Alameda Fire Department (Mr. Steven McKinley, 1300 Park Street, Alameda, CA 94501). Should you have any questions, please do not hesitate to contact us.

Sincerely,

  
Yane Nordhav  
Reg. Geologist No. 4009

YN/dm/S26  
Enclosure

**REPORT ON  
UNDERGROUND TANK REMOVAL  
2235 CLEMENT AVENUE  
Alameda, California**

**Prepared for  
Clement Avenue Project**

**August 1989**

**Prepared by  
BASELINE ENVIRONMENTAL CONSULTING  
5900 Hollis Street, Suite D  
Emeryville, California 94608  
415/420-8686**

**S9-107**

## TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION	1
SITE DESCRIPTION	1
UNDERGROUND TANK REMOVAL ACTIVITIES	1
SOIL SAMPLING AND ANALYTICAL RESULTS	4
SOIL REMEDIATION	7
CONCLUSIONS AND RECOMMENDATIONS	7
LIMITATIONS	8

### LIST OF FIGURES

Figure 1.	Site Location	2
Figure 2.	Site Plan	3
Figure 3.	Tank Excavation Detail	5

### LIST OF TABLES

Table 1.	Analytical Results, Soil Sampling	6
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### LIST OF APPENDICES

Appendix A.	Tank Closure Permit
Appendix B.	Hazardous Waste Manifests
Appendix C.	Soil Sampling Methods
Appendix D.	Laboratory Report
Appendix E.	Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report
Appendix F.	Laboratory Report: Aeration Pile Soil Sampling

## REPORT ON UNDERGROUND TANK REMOVAL

### INTRODUCTION

In May 1989, one underground fuel storage tank was removed from 2235 Clement Avenue in Alameda (Figure 1). *BASELINE Environmental Consulting* was retained by the site owner, *Clement Avenue Project* to oversee and document tank removal activities. This report describes the underground tank removal activities and provides recommendations for additional actions on the site in compliance with the requirements of Alameda County Department of Environmental Health, Hazardous Materials Department (Health Department).

### SITE DESCRIPTION

The site is located in the City of Alameda on 2235 Clement Avenue between Oak and Elm streets, less than 1,000 feet from the Oakland Estuary. The site currently accommodates light industrial uses, including pipe storage and cutting, and office space. A 550-gallon underground fuel storage tank for gasoline and a pump was located on the site. The year of tank installation and the former users are unknown.

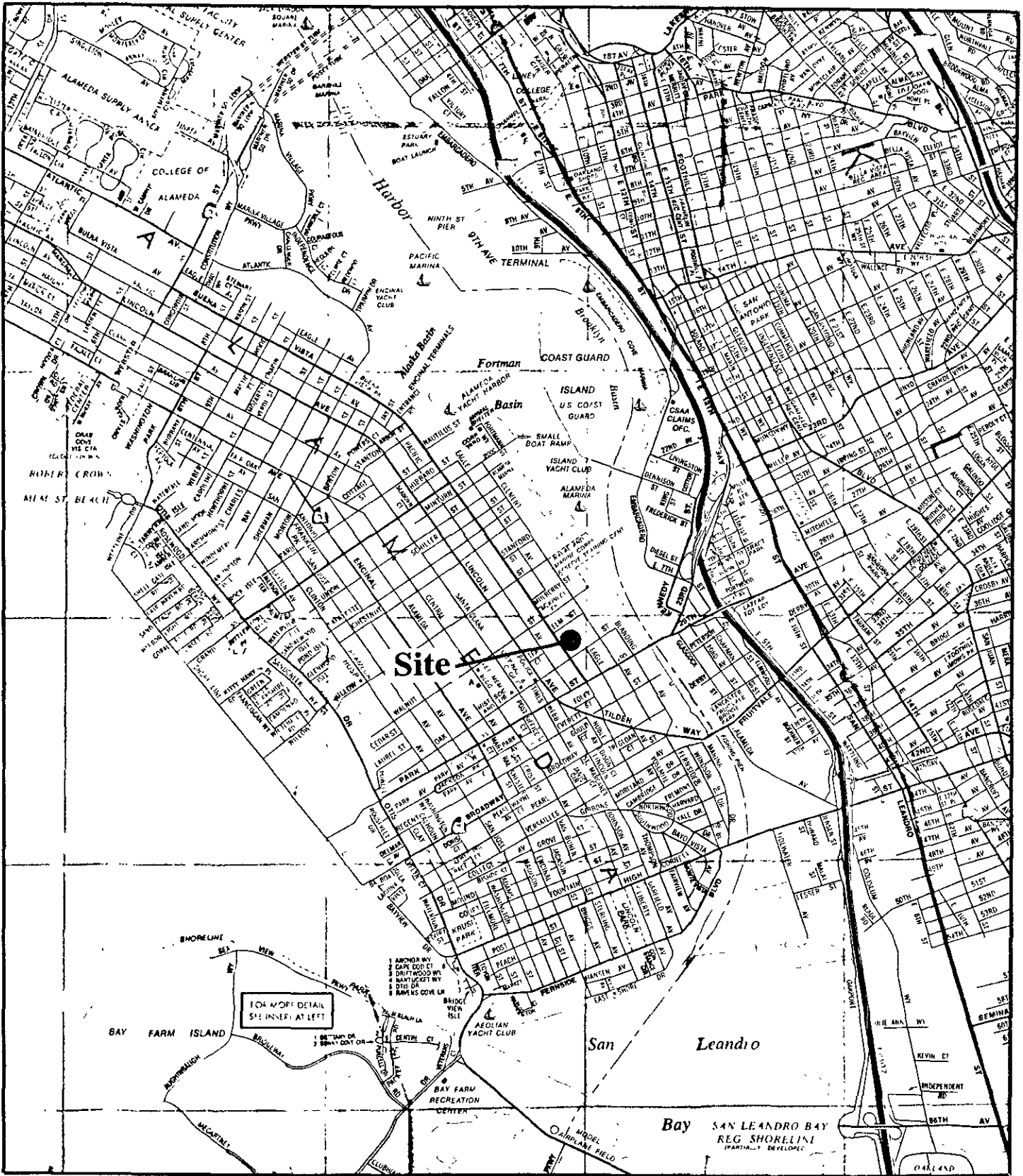
### UNDERGROUND TANK REMOVAL ACTIVITIES

The 550-gallon underground gasoline storage tank was removed on 10 May 1989 in accordance with a tank closure permit from Alameda County and the City of Alameda (Appendix A). Figure 2 shows the former location of the tank.

On 9 May 1989 a two-inch thickness of residual gasoline was removed from the bottom of the tank by Hydro-Chem Service, Inc. and 15 pounds of dry ice was placed in the tank to purge explosive vapors. The liquids were hauled off-site under a manifest (Appendix B). Removal of the tank on 10 May 1989 was conducted under the inspection of representatives from the City of Alameda Fire Department. The tank was hauled under manifest by H&H Ship Service for off-site disposal.

# REGIONAL LOCATION

# Figure 1



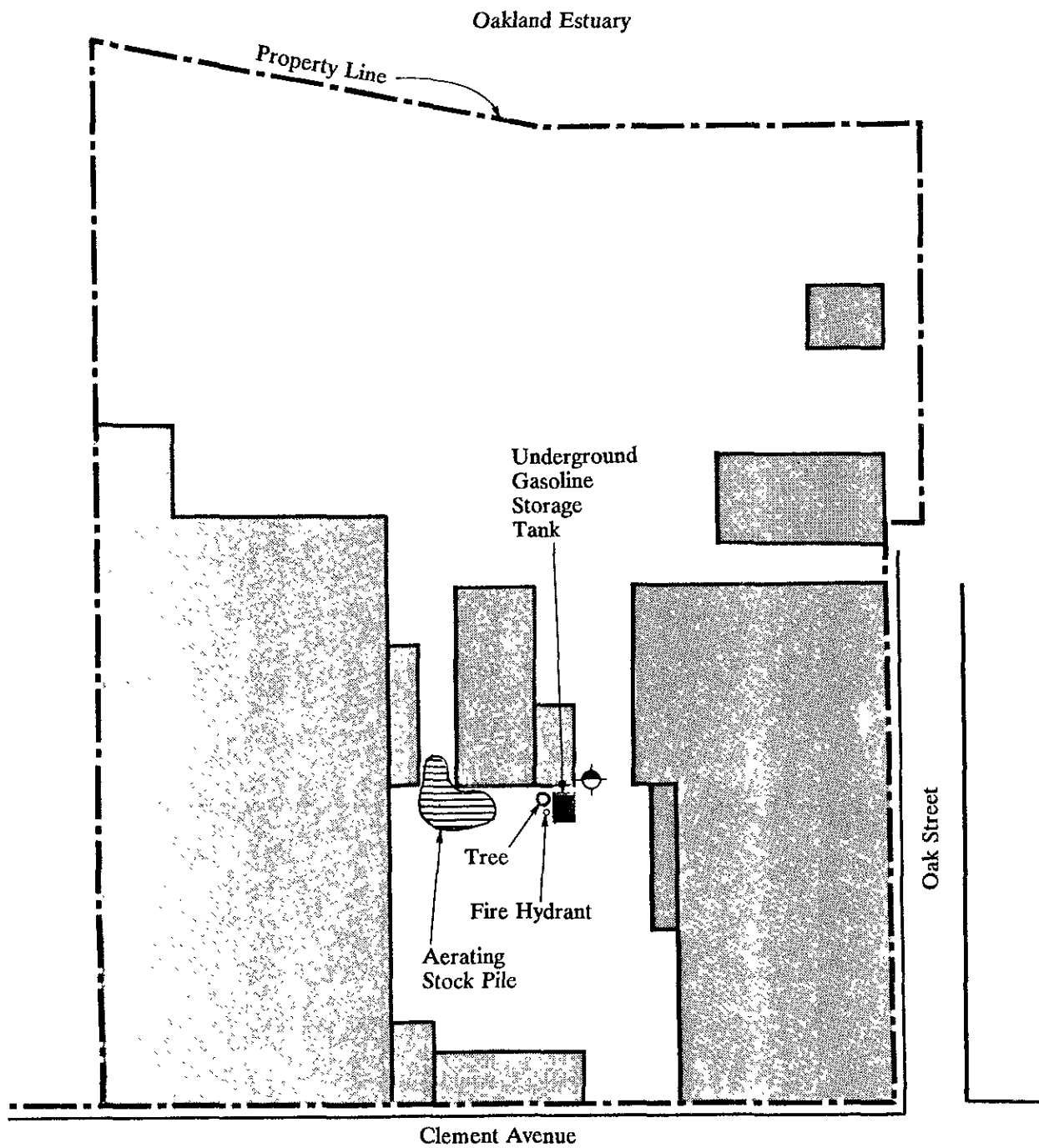
**2235 Clement Avenue  
Alameda, California**



**BASELINE**

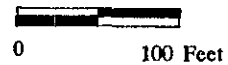
**SITE PLAN**  
**2235 Clement Avenue**  
**Alameda, California**

**Figure 2**



**Legend:**

-  Proposed Monitoring Well Location
-  Building



**BASELINE**

Following tank removal, the tank was inspected. It was of ribbed-steel construction and wrapped. No holes \* were visible in the tank. All piping associated with the tank was removed; the product line did not contain product during removal. The tank had been placed in sandy backfill; upon tank removal a strong petroleum odor emanated from the sandy backfill.

#### SOIL SAMPLING AND ANALYTICAL RESULTS

Immediately following tank removal, the sandy backfill was removed and placed on plastic on-site. Apparent contaminated soils were excavated from the eastern and western walls of the excavation and at the fill end; soil samples were collected immediately above the shallow groundwater identified at about 7.5 feet below the ground surface (see Figure 3 for sampling locations). At the southern and northern walls of the excavation a water main and a fire hydrant, respectively, were identified. At the request of the Alameda Fire Department, excavation was discontinued in either of these directions and verification samples collected at a depth of seven feet below the ground surface.

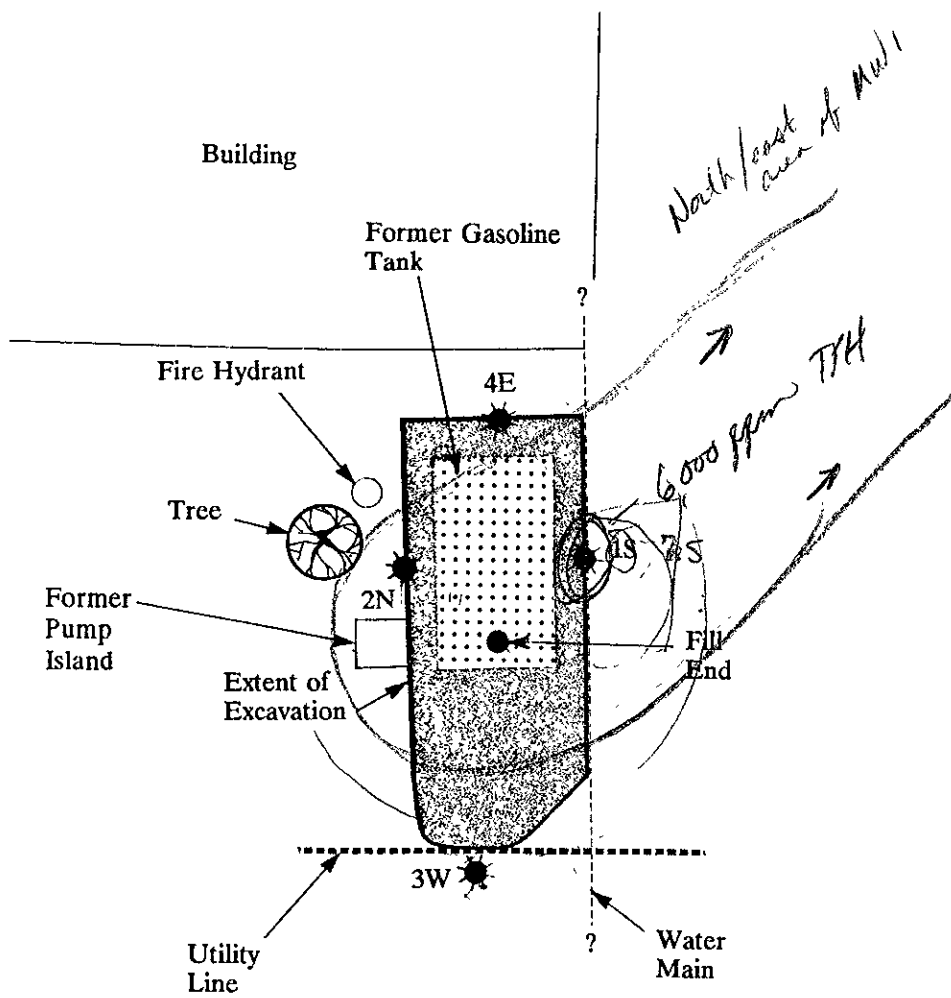
All samples were collected in accordance with the procedures described in Appendix C. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) (EPA Method 8015M) and BTXE (EPA Method 8020); in addition, the sample collected from the fill end of the tank was analyzed for organic lead (LUFT Manual Method). The analytical results are summarized in Table 1 and Appendix D contains the Laboratory Report.

The samples collected from the eastern and western excavation walls did not contain any compounds above detection limits. The sample collected from the bottom of the excavation at the fill end did not contain TPHg, but contained detectable levels of BTXE. The sample collected from the northern wall of the excavation contained a residual concentration of TPHg in the amount of 150 mg/kg and BTXE above detection limits; the sample from the south wall, where the excavation was halted due to the presence of a water main, the soil sample contained 6,000 mg/kg of TPHg and BTXE in the parts per million range.

In response to the field observations, an Underground Storage Tank Release (leak)/ Contamination Site Report was filed with the Health Department. A copy of this report is contained in Appendix E.

# TANK EXCAVATION DETAIL

## Figure 3



### Legend:

- ★ Soil Sampling Locations  
May 1989

2235 Clement Avenue  
Alameda, California



Not to Scale  
**BASELINE**



TABLE 1  
**ANALYTICAL RESULTS**  
**SOIL SAMPLING**  
**2235 Clement Avenue**  
**May, 1989**  
**(mg/kg)**

Sample ID	Date	Depth (feet)	TPHg <sup>1</sup>	Benzene <sup>2</sup>	Toluene <sup>2</sup>	Xylenes <sup>2</sup>	Ethyl-Benzene <sup>2</sup>	Organic Lead <sup>3</sup>
Fill End	5/10/89	7.5	<10	0.040	0.014	0.130	0.057	<u>&lt;2.0</u>
1S	5/10/89	7.5	6,000	8.700	77.000	270.000	48.000	-
2N	5/10/89	7.0	150	0.700	1.900	6.500	1.200	-
3W	5/10/89	7.0	<10	<0.005	<0.005	<0.005	<0.005	-
4E	5/10/89	7.0	<10	<0.005	<0.005	<0.005	<0.005	-
BC-1 <sup>4</sup>	7/14/89	NA	<10	<0.005	<0.005	<0.005	<0.005	-
BC-2 <sup>4</sup>	7/14/89	NA	<10	<0.005	<0.005	<0.005	<0.005	-

<sup>1</sup> EPA Method 8015M

<sup>2</sup> EPA Method 8020

<sup>3</sup> DHS, May 1988 LUFT Manual Method

<sup>4</sup> Aeration Pile

Notes:

TPHg = Total Petroleum Hydrocarbons as gasoline

NA = Not Applicable

- = Not Analyzed For

See Figure 3 for sampling locations.

Laboratory Report is included in Appendices D and F.

## SOIL REMEDIATION

The excavated soils, about 30 cubic yards, were placed on plastic at the site in the location shown in Figure 2. The soil was aerated regularly between the time of tank removal and 14 July 1989. On 14 July 1989, two soil samples were collected from the aeration pile for laboratory analysis. The samples were analyzed for TPHg and BTXE. No compounds were identified above detection limits. The analytical results are included in the Table 1 summary of analytical results and the laboratory report is included as Appendix F.

## CONCLUSIONS AND RECOMMENDATIONS

An unauthorized release has occurred from the past operations of the underground gasoline storage tank formerly located at 2235 Clement Avenue in the City of Oakland. Sampling of tank excavation walls show residual petroleum-related compounds remaining in the subsurface materials. It is unknown whether the shallow groundwater has been affected by the past release.

The Health Department is the local enforcement agency for the underground tank regulations contained in the California Code of Regulations Title 23, Subchapter 16. In the event of an unauthorized release, the Health Department requires that the tank owner/operator: 1) notifies the Health Department by submittal of an Unauthorized Release Report; 2) takes appropriate measures to stop the release; and 3) retains a consulting firm to conduct and implement appropriate remedial investigations and remediation. The Regional Water Quality Control Board, San Francisco Bay Region (RWQCB) is responsible for the protection of the beneficial uses of the surface waters and groundwaters in Alameda County. Investigations and remediation of fuel releases must follow guidelines developed by the RWQCB.

To evaluate the potential for the shallow groundwater to have been affected by the release from the former underground tank operation, it is recommended that a Preliminary Site Assessment report be completed. Part of the investigation should include the installation of a groundwater monitoring well installed within ten feet of the former underground tank location in the downgradient direction. On the basis of files reviewed at the RWQCB within one half mile of the site<sup>1</sup>, the shallow groundwater flows in a northeasterly direction toward the Oakland Estuary. The recommended groundwater monitoring well location is shown in Figure 2. The well should be installed in accordance with the Guidelines from the RWQCB (June 1988) and after a permit has been obtained from Alameda County Flood Control and Water Conservation District and the location of underground

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<sup>1</sup> At the locations: 1) 1703 Grand, 2) 2425 Central, 3) 2051 Grand, 4) 1630 Park, 5) and 1725 Park.

utilities have been identified. After well installation and development, the well water and soil samples collected during well boring should be sampled for TPHg and BTXE. Following receipt of the analytical results, the data should be evaluated to ascertain if additional actions would be required to identify the potential extent of shallow groundwater contamination.

The excavated, aerated soils can be disposed of off-site, either in a Class III landfill or at another site (following approval from the RWQCB) or be left on-site.

#### LIMITATIONS

The conclusions presented in this report are professional opinions based on the indicated data described in this report. They are intended only for the purpose, site, and project indicated. Opinions and recommendations presented herein apply to site conditions existing at the time of our study. Changes in the conditions of the subject property can occur with time, because of natural processes or the works of man, on the subject sites or on adjacent properties. Changes in applicable standards can also occur as the result of legislation or from the broadening of knowledge. Accordingly the findings of this report may be invalidated, wholly or in part, by changes beyond our control.

**APPENDIX A**  
**TANK CLOSURE PERMIT**

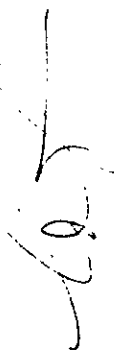
ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
 DEPARTMENT OF ENVIRONMENTAL HEALTH  
 HAZARDOUS MATERIALS DIVISION  
 470 - 27TH ST., RM. 322

**ACCEPTED**  
 DEPARTMENT OF ENVIRONMENTAL HEALTH  
 470 - 27th Street, Third Floor  
 Oakland, CA 94612  
 Telephone: (415) 874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your 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. One copy of these accepted plans must be on the job site available to all contractors and craftsmen involved with the removal. Any change or alterations of these plans and specifications must be submitted to this Department and to the Field Building Inspection Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:  
 \_\_\_\_\_ Removal of Tank and Piping  
 \_\_\_\_\_ Sampling  
 \_\_\_\_\_ Final Inspection

Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.



**UNDERGROUND TANK CLOSURE/MODIFICATION PLANS**

1. Business Name Clement Avenue Project  
 Business Owner Francis D. Collins and Howard N. Goldenberg
2. Site Address 2235 Clement Avenue  
 City Alameda Zip 94501 Phone \_\_\_\_\_
3. Mailing Address P.O. Box 8685  
 City Emeryville, CA. Zip 94662-0685 Phone 653-6871
4. Land Owner Francis D. Collins and Howard N. Goldenberg  
 Address P.O. Box 8685 City, State Emeryville, CA. Zip 94662-0685
5. EPA I.D. No. CAC 000147429
6. Contractor M.P.H., Inc.  
 Address 732 Davis Street  
 City Santa Rosa, CA. 95402 Phone 707-528-1493  
 License Type A ID# 276290
7. Other (Specify) Consultant - Baseline Environmental Consulting  
 Address 315 Washington Street  
 City Oakland, CA. Phone 763-7037

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
DEPARTMENT OF ENVIRONMENTAL HEALTH  
HAZARDOUS MATERIALS DIVISION  
470 - 27TH ST., RM. 322

*W. D. ...*

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH  
470 - 27th Street, Third Floor  
Oakland, CA 94612  
Telephone: (415) 874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for construction of any required building permits for construction. One copy of these accepted plans must be on the job site available to all contractors and craftsmen involved in the removal. Any change or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspection Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

- Removal of Tank and Piping
- Sampling
- Final Inspection

Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

RECEIVED  
APR 19 1989

CENTRAL RECORDS FILE

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name Clement Avenue Project  
Business Owner Francis D. Collins and Howard N. Goldenberg
2. Site Address 2235 Clement Avenue  
City Alameda Zip 94501 Phone \_\_\_\_\_
3. Mailing Address P.O. Box 8685  
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License Type A ID# 276290
7. Other (Specify) Consultant - Baseline Environmental Consulting  
Address 315 Washington Street  
City Oakland, CA. Phone 763-7037

MECHANICAL PLANS  
APPROVED  
DATE: 4-26-89  
*Donald J. Rodriguez*  
Donald J. Rodriguez  
Superior Mechanical Insp.

8. Contact Person for Investigation

Name Yane Nordhav, R.G. Title Principal, Baseline Environmental Consulting  
Phone 763-7037

9. Total No. of Tanks at facility 1 (one)

10. Have permit applications for all tanks been submitted to this office? Yes [ ] No [x]

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name Hydro-Chem Service, Inc. EPA I.D. No. CAD 980814594  
Address Hunter's Point Shipyard, Building 418  
City San Francisco, C State CA. Zip 94124

b) Rinsate Transporter

Name Hydro- Chem Service, Inc. EPA I.D. No. CAD 980814594  
Address Hunter's Point Shipyard Building 418  
City San Francisco State CA. zip 94124

c) Tank Transporter

Name Hydro-Chem Services Inc. EPA I.D. No. CAD 980814584  
Address Hunter's Point Shipyard Building 418  
City San Francisco State CA. Zip 94124

d) Contaminated Soil Transporter \* Aeration on site

Name n/a EPA I.D. No. \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

12. Sample Collector

Name Yane Nordhav  
Company Baseline Environmental Consulting  
Address 315 Washington Street  
City Oakland State CA. Zip 94607 Phone 763-7037

42. 8670

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity unknown	Historic Contents (past 5 years) not in use for last 5 years- previously used for leaded gasoline	not collected until after tank closure	n/a

14. Have tanks or pipes leaked in the past? Yes [ ] No [ ]

If yes, describe. Unknown

15. NFPA methods used for rendering tank inert? Yes [X] No [ ]

If yes, describe. Dry ice and triple rinse

16. Laboratories

Name Curtis Tompkins

Address Fifth Street

Phone # 986-0900

City Berkeley

State CA.

Zip 94710

State Certification No. #159



17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
gasoline BTX & E organic lead	Modified EPA 5030	Modified EPA 8015 EPA 8020

18. Site Safety Plan submitted? Yes  No

19. Workman's Compensation: Yes  No

Copy of Certificate enclosed? Yes  No

Name of Insurer State Fund Compensation #449-89-269

20. Plot Plan submitted? Yes  No

21. Deposit enclosed? Yes  No

22. Please forward to this office the following information within 60 days after receipt of sample results.

- a) Chain of Custody Sheets
- b) Original Signed Laboratory Reports
- c) TSD to Generator copies of wastes shipped and received
- d) Attachment A summarizing laboratory results

I declare that to the best of my knowledge and belief 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 an approval from the Department of Environmental Health 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 will notify the Department of Environmental Health at least two (2) working days (48 hours) in advance to schedule any required inspections. 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.

Signature of Contractor

Name (please type) M P H. [unclear]  
Signature [Handwritten Signature]  
Date 2-21-89

Signature of Site Owner or Operator

Name (please type) HOWARD N GOLDSBERG  
Signature [Handwritten Signature]  
Date 2/21/89

NOTES:

Any changes in this document must be approved by this Department.

Any leaks discovered must be submitted to this office on an underground storage tank unauthorized leak/contamination site report form within 5 days of its discovery.

Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.

A copy of your approved plan must be sent to the landowner.

19. ATTACH COPY OF WORKMAN'S COMPENSATION

20. PLOT PLAN

The plan should consists of a scaled view of the facility at which the tank(s) are located and should include the following information:

- a) Scale
- b) North Arrow
- c) Property Line
- d) Location of all Structures
- e) Location of all relevant existing equipment including tanks and piping to be removed
- f) Streets
- g) Underground conduits, sewers, water lines, utilities
- h) Existing wells (drinking, monitoring, etc.)
- i) Depth to ground water
- j) All existing tanks in addition to the ones being pulled

1/88

CITY OF ALAMEDA  
CALIFORNIA

No. 22042 C

No. 89-5886

Date 4-27-89

RECEIVED FROM

*Baseline Environmental Consulting*

*2235 Clement Ave*

the sum of

*Forty-dollar and 50/100*

DOLLARS,

*\$40.50*

For

*Permit fee 6 - Pblms 20-ABS-50*

*M/F 97*

WILLIAM J. ZENONI, Jr.  
Finance Director

*[Signature]*

Collector

PLEASE TYPE OR PRINT

OWNER	TRACT	BLOCK PAGE	LOT PARCEL
	NAME	Francis D. Collins / Howard Goldenberg	
	ADDRESS	P.O. Box 8685	
ARCHIT/ENGR.	CITY	STATE	ZIP
	NAME	LICENSE	
	ADDRESS	PHONE	
CONTRACTOR	CITY	STATE	ZIP
	I hereby affirm that I am licensed under provisions of Chapter 9 commencing with section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect		
	LICENSE No AND CLASS	CITY BUSINESS LICENSE No	
OWNER-BUILDER DECLARATION	CONTRACTOR NAME	MPH, Inc.	
	ADDRESS	732 Davis Street	
	CITY	STATE/ZIP	PHONE
WORKERS COMP. INSURANCE DECLARATION	SIGNATURE	528-1493	
	I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 — commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.):		
	<input type="checkbox"/> I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec 7044, Business and Professions Code. The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale) <input type="checkbox"/> I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code. The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law) <input type="checkbox"/> I am exempt under Sec _____ B&P.C. for this reason _____ Date _____ Owner's Signature _____		
LENDER	I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab C). Policy No. 449-EE Unit 269 Company State Comp. Insurance fund <input type="checkbox"/> Certified copy is hereby furnished <input type="checkbox"/> Certified copy is filed with the city Central Permit Office Applicant X Shirley M. Pool Date 4-14-89 (This section need not be completed if the permit is for one hundred dollars (\$100) or less). I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California. Applicant _____ Date _____ NOTICE TO APPLICANT If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked		
	I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.) Lender's Name _____ Lender's Address _____		
	I certify that I have read this application and state that the information given is true and correct. I agree to comply with all local ordinance and state laws relating to building construction and I make this statement under penalty of law. I hereby authorize representatives of the city/county to enter upon the above mentioned property for inspection purposes. NOTICE! This permit will expire by limitation if work is not started in 180 days or if work is abandoned for more than 180 days. Do not conceal or cover any construction until the work is inspected and the inspection is recorded on the Building Inspection Card. All inspection requests are required 24 hours in advance of the inspection, 522-4100 X278, 8:30AM to 10AM. <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Owner <input checked="" type="checkbox"/> Agent X Yanc Nordhan Signature of Contractor, Owner or Agent		

LOG NO. 2/35 COMM CODE 088 PERMIT NO. 14-5886

JOB ADDRESS: 2235 Clement Ave  
 APPLICATION FOR PLUMBING/MECHANICAL PERMIT  
 CITY OF ALAMEDA  
 Central Permit Office  
 2263 Santa Clara Avenue  
 Alameda, CA 94501  
 (415) 522-4100 X236  
 DESCRIPTION OF WORK: removal of 150 gal gas tank  
 VALUATION OF WORK \$: 8000.00  
 CONTACT NAME: Yanc Nordhan  
 CONTACT PHONE: (415) 2120-8686

ITEMS	NO.	FEE	TOTAL
<b>PLUMBING</b>			
Basins		\$ 6.00	
Baths		6.00	
Catch Basin		6.00	
Closets		6.00	
Dishwasher		6.00	
Drinking Fountain		6.00	
Fire Sprinklers		30.00	
Floor Drain		6.00	
Floor Sinks		6.00	
Garbage Disposal		6.00	
Gas Lines/Meters		6.00	
Gas Outlets		2.00	
Gas Range		6.00	
Gas Test		4.00	
Hot Tub/Spa		60.00	
Lawn Sprinklers		10.00	
Leaders Rain Water		6.00	
Sewer Abandonment		14.00	
Sewer Extension/Replacement		20.00	
Sewer Repair		10.00	
Showers		6.00	
Sinks		6.00	
Solar System		38.00	
Sumps		30.00	
Storage Tanks	one 150 gal	20.00	20.00
Toilet		6.00	
W/ Vault Toilet		20.00	
Washing Machine/Dryer		6.00	
Water Heater, Res/Comm		6,00/10.00	
Water Lines/Meters		6.00	
<b>MECHANICAL</b>			
Air Conditioning Equip.		10.00/20.00	
Boiler		20.00	
Control Change		6.00	
Convectors		4.00	
Dryer Res/Comm.		6.00/10.00	
Fans and Blowers		10.00	
Fireplace		4.00	
Flues		4.00	
Furnace		10.00	
Heaters		10.00	
Hoods Res /Comm		4.00/30.00	
Panels and Coils		4.00	
Registers		2.00	
Vents Bath/Kitchen		4.00	
ISSUANCE FEE		6.00	6.00

Sub Total Fees: 26  
 AB 941 Fee: 5.00  
 S.M.W. / micro 9 - 40.50  
 Total Fees: 71.50

APPLICATION RECEIVED  
 DATE 4/14/89 SIGNED [Signature]  
 APPROVAL  
 DATE 26 89 SIGNED [Signature]  
 ISSUED  
 DATE 29 89 SIGNED [Signature]

THIS CARD MUST BE POSTED ON THE PREMISES AND  
PLACED SO AS TO BE SEEN FROM THE STREET

**CITY OF ALAMEDA, Building Inspection Office**

DATE 4-27-89 VALUATIONS 8000 BLDG. PERMIT # \_\_\_\_\_ PLMG /MECH PERMIT # 89-5826

FORMS \_\_\_\_\_  
REQUIRED BEFORE POURING CONCRETE

VAULT TOILET \_\_\_\_\_

PRELIMINARY GROUND PLUMBING \_\_\_\_\_

FINAL GROUND PLUMBING \_\_\_\_\_

ROUGH ELECTRIC \_\_\_\_\_

ROUGH PLUMBING \_\_\_\_\_

ROUGH HEATING & VENTILATING \_\_\_\_\_

SUB FLOOR \_\_\_\_\_

FRAME \_\_\_\_\_

INSULATION \_\_\_\_\_

JOB Removal of gas tank

ADDRESS 2235 Clement Ave

OWNER Collins / Goldenberg

CONTRACTOR M.P.A. Inc

WILLIAM C. NORTON BY [Signature]  
BUILDING OFFICIAL

INTERIOR LATH \_\_\_\_\_  
REQUIRED BEFORE PLASTERING OR TAPING

EXTERIOR LATH \_\_\_\_\_  
REQUIRED BEFORE STUCCO

DESIGN REVIEW \_\_\_\_\_

INSULATION CERTIFICATE \_\_\_\_\_

TRACT CONDITIONS \_\_\_\_\_

P.U.D. CONDITIONS \_\_\_\_\_

FINAL ELECTRIC \_\_\_\_\_

FINAL - FIRE DEPT. \_\_\_\_\_

FINAL PLUMBING \_\_\_\_\_

FINAL HEATING & VENTILATING \_\_\_\_\_

FINAL BUILDING \_\_\_\_\_

ABOVE APPROVALS REQUIRED BEFORE INTERIOR LATHING OR COVERING  
DO NOT OCCUPY STRUCTURE UNTIL CERTIFICATE OF  
OCCUPANCY HAS BEEN ISSUED

DO NOT CALL FOR FINAL INSPECTION UNTIL OTHER ITEMS HAVE BEEN ISSUED  
CERTIFICATE OF OCCUPANCY ISSUED \_\_\_\_\_  
BY \_\_\_\_\_

REMARKS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NOTE: ALL INSPECTION REQUESTS ARE REQUIRED 24 HOURS IN ADVANCE.  
CALL BETWEEN 8:30 AM - 10:00 AM 748-4564 (BUILDING) or 748-4563 (PLUMBING/MECHANICAL).

**APPENDIX B**  
**HAZARDOUS WASTE MANIFESTS**

Please print or type (Form designed for use on elite (12-pitch typewriter))

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CA1C00001848833191619		Manifest Document No 3191619		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address BURT KANTOR 1055 UNIVERSITY AVE., BERKELEY, CA 94710				LOCATION: 2525 CYPRESS AVE OAKLAND, CA		A. State Manifest Document Number 88333659		B. State Generator's ID	
4. Generator's Phone (415) 548-1662				5. Transporter 1 Company Name ERICKSON TRUCKING, INC.		6. US EPA ID Number 1QAD009466382		C. State Transporter's ID 001385	
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 415-235-1393		E. State Transporter's ID	
9. Designated Facility Name and Site Address ERICKSON, INC. 255 PARK BLVD RICHMOND, CA 94801				10. US EPA ID Number 1QAD009466382		F. Transporter's Phone		G. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No Type		13. Total Quantity		14. Unit Wi/Vol	
a. WASTE EMPTY STORAGE TANKS CALIFORNIA REGULATED WASTE ONLY				001 TIP		1,200 P		State 812	
b.								EPA/Other NONE	
c.								State	
d.								EPA/Other	
J. Additional Descriptions for Materials Listed Above EMPTY GASOLINE TANK ICED WITH 30 LBS DRY ICE						K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information						a.			
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						b.			
Printed/Typed Name						Signature		Month Day Year 001089	
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature John Douglas		Month Day Year 001089	
18. Transporter 2 Acknowledgement of Receipt of Materials						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.						Signature		Month Day Year	

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

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

YELLOW, GENERATOR RETAINS



**APPENDIX C**  
**SOIL SAMPLING METHODS**

## SAMPLING PROCEDURES

### SOILS

1. In-place soil samples are collected with a stainless steel corer, fitted with a 6-inch brass liner. The corer is driven into the ground by a slide hammer. The brass liner is removed from the steel corer, capped with aluminum foil and a plastic cap, taped with masking tape, placed in a zip-lock bag, and iced prior to being brought to the laboratory for analysis. Proper chain-of-custody and sample labeling procedures are followed.

All sampling equipment is decontaminated with tri-sodium phosphate (TSP) and deionized water prior to collection of each sample.

2. In-place soil samples may also be collected during drilling activities. The samples are collected with a California Modified sampler (2-inch diameter) fitted with 6-inch brass sleeves. The sampler is driven into the ground by a 140-lb. hammer falling 30 inches. The samples are handled similarly to the procedures described above and the equipment is decontaminated in the same fashion.

3. During tank removal activities, soil samples may be collected from a backhoe bucket having extracted material from a specific depth. The soil brought to the surface in a bucket is sampled after about 6 inches of the surface is discarded. The sample is collected with a stainless steel corer fitted with a brass tube. The sample is handled in the same manner as described above, and decontamination procedures are similar.

### GROUNDWATER

The well is checked for floating product with a dual interface probe. A water level measurement is made simultaneously with the probe, calibrated to the nearest 1/100th of a foot.

The well is then evacuated of five well volumes of water prior to sampling. The evacuation is performed with either a PVC 1.7-inch hand pump or a power pump with disposable tubing, the sample is collected with a disposable, bottom-valve, plastic bailer. The sample is transferred directly into glass vials, iced, and brought to the laboratory. Proper chain-of-custody and sample labeling procedures are followed.

All sampling equipment is decontaminated with TSP and deionized water prior to collection of each sample.

(In the case of sampling from dewatering, wells, manholes, or in tank excavations, no evacuation occurs, but the sample is collected immediately after a check has been made for floating product. The sample is immediately transferred from the plastic bailer to the sample vials, iced, and brought to the laboratory for analysis).

**APPENDIX D**  
**LABORATORY REPORT**



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

RECEIVED

JUN 06 1989

BASELINE

DATE RECEIVED: 05/11/89

DATE REPORTED: 05/24/89

PAGE 1 OF 3

LAB NUMBER: 17381

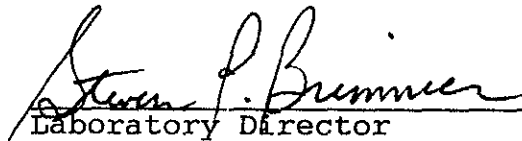
CLIENT: BASELINE

REPORT ON: 5 SOIL SAMPLES

JOB #: S9-107

LOCATION: CLEMENT AVENUE

RESULTS: SEE ATTACHED

  
Laboratory Director

LABORATORY NUMBER: 17381  
CLIENT: BASELINE  
PROJECT #: S9-107  
LOCATION: CLEMENT AVENUE

DATE RECEIVED: 05/11/89  
DATE ANALYZED: 05/11/89  
DATE REPORTED: 05/24/89  
PAGE 2 OF 3

=====  
ORGANIC LEAD IN SOIL  
DHS METHOD  
MAY 1988 LUFT MANUAL  
=====

LAB ID	CLIENT ID	ORGANIC LEAD	UNITS	DETECTION LIMIT
17381-1	FILL END	ND	mg/Kg	2.0

ND = NONE DETECTED.

QA/QC SUMMARY

-----  
%RPD 2  
%RECOVERY 105  
-----



LABORATORY NUMBER: 17381  
CLIENT: BASELINE  
JOB NUMBER: S9-107  
JOB LOCATION: CLEMENT AVENUE

DATE RECEIVED: 05/11/89  
DATE ANALYZED: 05/17/89  
DATE REPORTED: 05/24/89  
PAGE 3 OF 3

Total Volatile Hydrocarbons (TVH) by EPA 8015  
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020  
Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
17381-1	FILL END	ND(10)	40	14	57	130
17381-2	1S	6,000	8,700	77,000	48,000	270,000
17381-3	2N	150	700	1,900	1,200	6,500
17381-4	3W	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
17381-5	4E	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	2
%RECOVERY	102

**BASELINE**

5900 Hollis Street, Suite D  
Emeryville, CA 94608  
(415) 420-8686

**CHAIN OF CUSTODY RECORD**

Turn-Around Time Normal  
Lab Curtis Tompkins  
Contact Person Yume

Project No.		Project Name and Location						Analysis										Remarks	Detection Limits
59-107		Clement Avenue						TVN BIXE TCH or EHV or Lead											
Samplers: (Signature)																			
Yume Nandhar																			
No. Station	Date	Time	Media	Depth feet	Compo-sites	No. of Con-tainers	Station Location												
Fill End	5/10/89	1340	soil	7.5	No	1	Fill End, dump	X	X	X									
1S	5/10/89	1420	soil	7.5	No	1	sand, moist	X	X										
2N	5/10/89	1430	soil	7.0	No	1	sand, moist	X	X										
3W	5/10/89	1445	soil	7.0	No	1	sand, moist	X	X										
4E	5/10/89	1500	soil	7.0	No	1	sand, moist	X	X										

Relinquished by: (Signature) Yume Nandhar	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) M. K. ...	Date / Time 5/11 10:30	Remarks:	

APPENDIX E

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE  
(LEAK)/CONTAMINATION SITE REPORT



# UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.	
REPORT DATE 05/10/89		CASE #		SIGNED _____ DATE _____	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT YANE NORDHAV		PHONE 415 420-8686	SIGNATURE Yane Nordhav	
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME BASELINE		
RESPONSIBLE PARTY	ADDRESS 5900 Hollis Street Emeryville CA 94608				
	NAME Clement Ave Project <input type="checkbox"/> UNKNOWN		CONTACT PERSON		PHONE 415 1653-6871
SITE LOCATION	ADDRESS P.O. Box 8685 Emeryville CA 94662-0685				
	FACILITY NAME (IF APPLICABLE)		OPERATOR None		PHONE ( )
	ADDRESS 2235 Clement Ave Alameda Alameda				
IMPLEMENTING AGENCIES	LOCAL AGENCY ALAMEDA COUNTY		CONTACT PERSON Levi		PHONE 415 1271-4320
	REGIONAL BOARD San Francisco Bay				PHONE 415 464-1255
SUBSTANCES INVOLVED	(1) Gasoline				QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
	(2) _____ <input type="checkbox"/> UNKNOWN				
DISCOVERY/ABATEMENT	DATE DISCOVERED 05/10/89		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> OTHER		
	DATE DISCHARGE BEGAN _____ <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER		
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 05/10/89				
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		TANKS ONLY/CAPACITY 550 GAL. <input type="checkbox"/> FIBERGLASS <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> OTHER wrapped		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> SPILL <input type="checkbox"/> OTHER
	CHECK ONE ONLY <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) <input type="checkbox"/> CLEANUP IN PROGRESS <input type="checkbox"/> SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) <input checked="" type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> NO FUNDS AVAILABLE TO PROCEED <input type="checkbox"/> EVALUATING CLEANUP ALTERNATIVES				
	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input checked="" type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> OTHER (OT)				
COMMENTS	Contaminated soils based on visual and combustible gas meter readings. Soils excavated and aerated on-site.				

**APPENDIX F**  
**LABORATORY REPORT**  
**AERATION PILE SOIL SAMPLING**

RECEIVED

JUL 28 1989



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 17830
CLIENT: BASELINE
JOB NUMBER: S9-107
JOB LOCATION: BANTA COLLINS ALAMEDA

DATE RECEIVED: 07/14/89
DATE ANALYZED: 07/24/89
DATE REPORTED: 07/27/89

Total Volatile Hydrocarbons (TVH) by EPA 8015
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
Extraction by EPA 5030 Purge and Trap

Table with 7 columns: LAB ID, CLIENT ID, TVH AS GASOLINE (mg/Kg), BENZENE (ug/Kg), TOLUENE (ug/Kg), ETHYL BENZENE (ug/Kg), TOTAL XYLENES (ug/Kg). Rows include samples 17830-1 and 17830-2.

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD 2
%RECOVERY 98

Signature: Jim Wong for CBG
LABORATORY DIRECTOR

