



May 9, 1995

SOMA 95-2053

Ms. Susan Hugo
Senior Hazardous Materials Specialist
Alameda County Department of Environmental Health
Environmental Protection Division
1131 Harbor Bay Parkway, Number 250
Alameda, California 94502

RECEIVED
ENVIRONMENTAL
PROTECTION
DIVISION
MAY 19 1995

Subject: Soil Remediation Activities
Fordham Property
5515 Doyle Street
Emeryville, California

Dear Susan:

Attached is our report documenting the remediation activities that were performed at the Fordham Property located at 5515 Doyle Street in Emeryville, California ("the Site").

The remediation activities included removing petroleum-affected soils that were encountered during the removal of an underground storage tank in August 1994.

If you have any questions or comments concerning this report, please do not hesitate to contact me or page me at (510) 310-9285.

Sincerely,

Norman T. Ozaki, Ph.D.
President



Attachment

cc: Mr. Ronald Silberman, Fordham Properties

ENVIRONMENTAL
PROTECTION



95 MAY 19 PM 1:49

SOIL REMEDIATION ACTIVITIES

**FORDHAM PROPERTY
5515 DOYLE STREET
EMERYVILLE, CALIFORNIA**

MAY 9, 1995

SOMA 95-2053

Prepared for

Mr. Ronald Silberman
Fordham Properties
5743 Landregan Street
Emeryville, California 94608

CONTENTS

LIST OF TABLES	ii
LIST OF FIGURES	iii
1.0 INTRODUCTION	1
2.0 SITE DESCRIPTION	1
3.0 BACKGROUND	1
4.0 SOIL REMEDIATION ACTIVITIES	2
5.0 LABORATORY ANALYSES	3
6.0 LABORATORY ANALYTICAL RESULTS	3
7.0 DISCUSSION	3

APPENDICES

- A: TABLES
- B: FIGURES
- C: LABORATORY CERTIFICATES
- D: NON-HAZARDOUS MATERIALS MANIFESTS

LIST OF TABLES

NUMBER	TITLE
<hr/>	
1	Laboratory Analytical Results for Gasoline and BTEX
2	Laboratory Analytical Results for Diesel
3	Laboratory Analytical Results for Lead

LIST OF FIGURES

FIGURE	TITLE
1	Site Location Map
2	Excavation Sidewall and Floor Sample Results

SOIL REMEDIATION ACTIVITIES

FORDHAM PROPERTY
5515 DOYLE STREET
EMERYVILLE, CALIFORNIA

1.0 INTRODUCTION

This report describes the soil remediation activities conducted at the Fordham Property located at 5515 Doyle Street in Emeryville, California ("the Site"; Figure 1). The soil remediation activities represented corrective action that was required by Alameda County Department of Environmental Health ("Alameda-DEH").

The purpose of the remediation activities was to remove accessible petroleum-affected soils in the immediate vicinity of the former underground storage tank (UST) located at the Site. Supplemental soil remediation activities included excavation and offsite disposal of petroleum-affected soils.

2.0 SITE DESCRIPTION

The Site is located on the northwest corner of Doyle Street and 55th Street in Emeryville, California. The Site is essentially flat. The open area at the western portion of the Site and the driveway along the northern edge of the Site are paved with concrete.

A warehouse covers most of the property. The warehouse is currently used by several commercial and light industrial businesses.

3.0 BACKGROUND

Cottle Engineering excavated and removed one 550-gallon UST in August 1994. The UST was located at the western portion of the Site (Figure 2). Soil samples collected from underneath the UST contained up to:

- 4,200 mg/kg of total petroleum hydrocarbons (TPH) as gasoline (TPHg),
- 0.22 mg/kg of benzene,
- 87 mg/kg of toluene,
- 90 mg/kg of ethylbenzene, and

• 540 mg/kg of xylenes.

Corrosion and several holes were reportedly observed in the lower portion of the UST walls.

Groundwater was not encountered during the removal of the UST. The excavation was not backfilled following the removal of the UST due to the detection of elevated concentrations of petroleum hydrocarbons in the soil.

4.0 SOIL REMEDIATION ACTIVITIES

The soil remediation activities were performed on April 5, 1995 by Top Grade Construction of Livermore, California, and observed and documented by SOMA. Approximately 90 cubic yards (cy) of surficial soils containing elevated concentrations of petroleum constituents were disposed at Forward Inc. Landfill (Forward) in Manteca, California.

The results of the soil samples collected by Cottle Engineering during the UST removal and the results of the soil samples collected by SOMA from the stockpile were used to profile the petroleum-affected soils for acceptance at Forward prior to the initiation of excavation activities.

Site preparation included screening the work area for underground utilities and removing the concrete paving within the excavation limits.

The petroleum-affected soils were excavated using a backhoe and loaded directly onto dump trucks. A photo-ionization detector (PID) was used continuously to screen soil samples collected from the sidewalls and floor of excavation. PID readings of the excavated soils ranged from approximately 100 to 200 parts per million. Excavation activities were terminated when all of the accessible affected soils were removed. A total of five soil samples were collected from the sidewalls and floor of the excavation upon completion of the excavation activities. The results of the five soil samples were used to document the residual concentrations of petroleum constituents at the limits of the excavation. The approximate sample locations are presented in Figure 2.

The excavated petroleum-affected soils were loaded onto dump trucks for disposal at Forward. Each truckload of petroleum-affected soils was manifested and tarped to prevent wind dispersion of the soil during transportation to Forward. The non-hazardous materials manifests of the five truckloads of petroleum-affected soils are included in Appendix B.

Groundwater was not encountered during excavation activities. The excavation was approximately 12 feet by 18 feet and extended to a depth of approximately 9 feet below the existing ground surface.

5.0 LABORATORY ANALYSES

The confirmation soil samples were sent to American Environmental Network of Pleasant Hill, California, a state-certified laboratory. The excavation sidewall and floor soil samples were analyzed for:

- TPH as diesel (TPHd) using EPA Method 3550/GCFID;
- TPHg using EPA Method 5030/GCFID;
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) using EPA Method 8020; and
- Total lead using EPA Method 7420.

The soil samples were analyzed on a normal 2-week turnaround basis.

6.0 LABORATORY ANALYTICAL RESULTS

The laboratory analytical results are summarized in Tables 1 through 3, and Figure 2. Laboratory certificates are presented in Appendix A. The results are as follows:

Analysis of excavation sidewall and floor samples indicated that:

- Diesel concentrations ranged from less than 1 mg/kg (not detected) to 580 mg/kg.
- Gasoline concentrations ranged from less than 0.2 mg/kg (not detected) to 5,200 mg/kg.
- Benzene concentrations ranged from less than 0.005 mg/kg (not detected) to 24 mg/kg.
- Toluene concentrations ranged from less than 0.005 mg/kg (not detected) to 0.100 mg/kg (not detected) to 180 mg/kg.
- Ethylbenzene concentrations ranged from less than 0.005 mg/kg (not detected) to 120 mg/kg.
- Total xylene concentrations ranged from less than 0.005 mg/kg (not detected) to 590 mg/kg.
- Lead concentrations ranged from less 4 mg/kg to 11 mg/kg.

7.0 DISCUSSION

Approximately 90 cubic yards of soil were removed from the vicinity of the former UST. The excavated soils were accepted by and disposed at Forward as non-hazardous soils.

The soil samples collected at the north and west sidewalls of the excavation (Samples S-1 and

S-4, respectively) did not contain detectable concentrations of TPHd, TPHg, or BTEX. Detectable concentrations of TPHd, TPHg, ethylbenzene, and xylenes were encountered in the east sidewall soil sample (Sample S-2). Benzene and toluene were not detectable at this location. Laboratory analytical results indicate the presence of petroleum constituents in the soil samples collected from the south sidewall and floor of the excavation (Samples S-3 and S-5, respectively).

The lead concentrations detected in the five soil samples are within the range of typical background lead concentrations encountered in the San Francisco Bay region.

TABLE 1. LABORATORY ANALYTICAL RESULTS FOR GASOLINE AND BTEX
 (All concentrations expressed in mg/kg)

Sample	Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes
Excavation Sidewall					
S-1	ND	ND	ND	ND	ND
S-2	4.9	ND	ND	0.071	0.016
S-3	370	0.290	ND	0.350	0.640
S-4	ND	ND	ND	ND	ND
Excavation Floor					
S-5	5,200	24	180	120	590
Detection Limit	0.2	0.005	0.005	0.005	0.005

ND - Not Detected

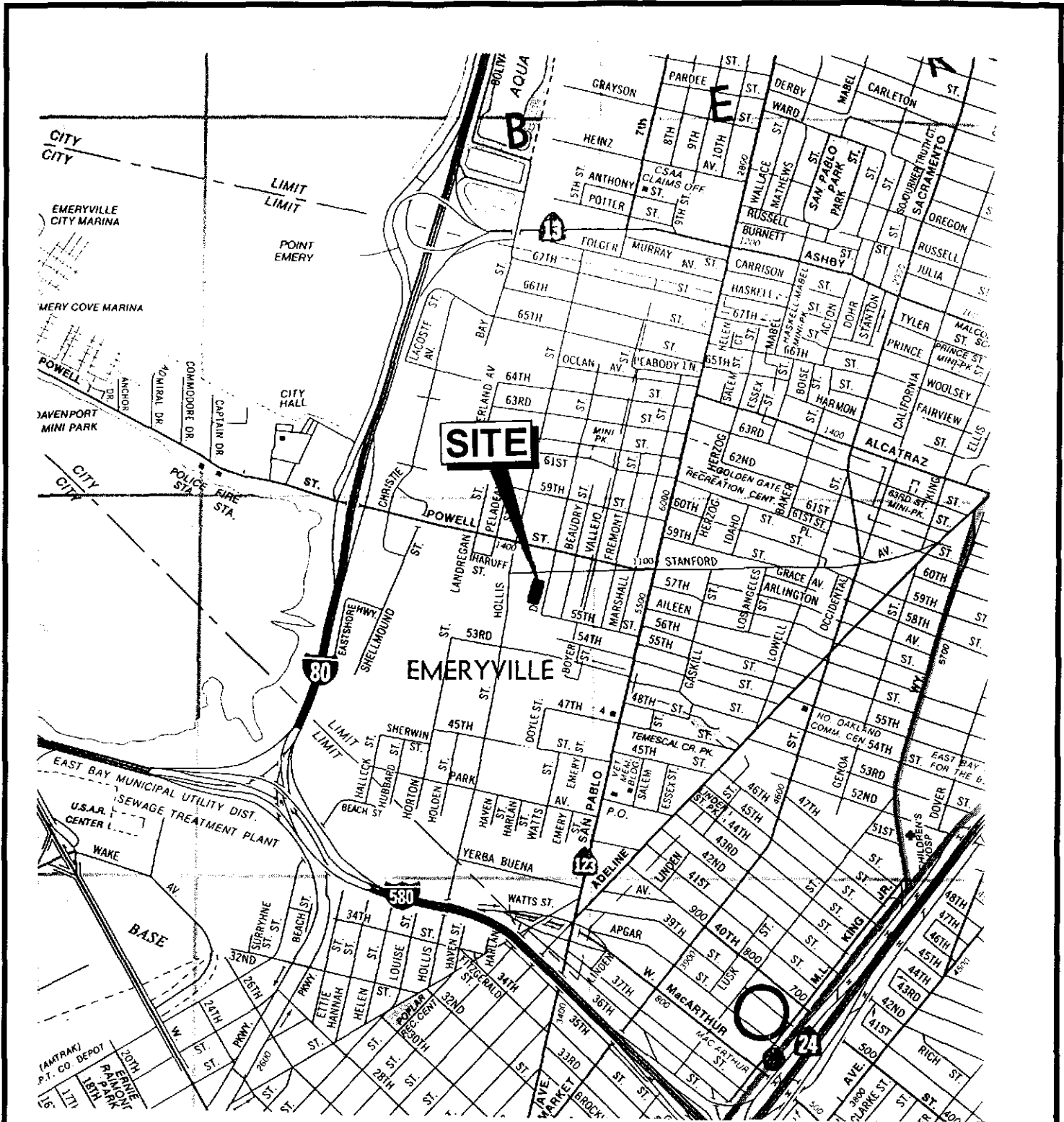
TABLE 2. LABORATORY ANALYTICAL RESULTS FOR DIESEL
 (All concentrations expressed in mg/kg)

Sample	Diesel
Excavation Sidewall	
S-1	ND
S-2	10
S-3	260
S-4	ND
Excavation Floor	
S-5	580
Detection Limit	1

ND - Not Detected

TABLE 3. LABORATORY ANALYTICAL RESULTS FOR LEAD
 (All concentrations expressed in mg/kg)

Sample	Lead
Excavation Sidewall	
S-1	5
S-2	6
S-3	7
S-4	4
Excavation Floor	
S-5	11
Detection Limit	3



MAP SOURCE: CSAA
Scale: 1" ± 1800'

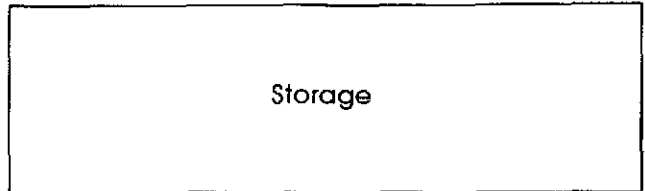


SITE LOCATION
Fordham Property

Figure 1
April 1995

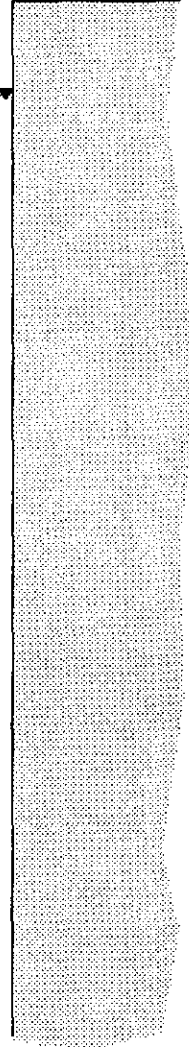


X — X — X — X — X — X — Fence



S-1
 TPHd : ND
 TPHg : ND
 B : ND
 T : ND
 E : ND
 X : ND
 Lead : 5

Building



S-5
 TPHd : 580
 TPHg : 5200
 B : 24
 T : 180
 E : 120
 X : 590
 Lead : 11

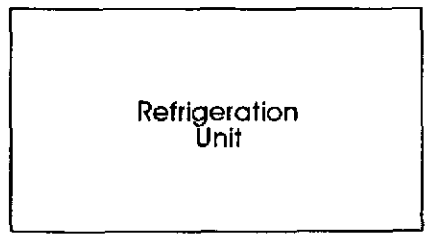
S-4
 TPHd : ND
 TPHg : ND
 B : ND
 T : ND
 E : ND
 X : ND
 Lead : 4

S-2
 TPHd : 10
 TPHg : 4.9
 B : ND
 T : ND
 E : 0.071
 X : 0.016
 Lead : 6

Approximate Property Boundary

Limits of Excavation

S-3
 TPHd : 260
 TPHg : 370
 B : 0.290
 T : ND
 E : 0.350
 X : 0.640
 Lead : 7



EXPLANATION:

S-1 Sample Number

- TPHd : Diesel
- TPHg : Gasoline
- B : Benzene
- T : Toluene
- E : Ethylbenzene
- X : Xylenes
- Lead : Lead

Soil sample concentrations are expressed in mg/kg

ND Not Detected

Scale: 1"= ±5'



TPH CONCENTRATIONS

Fordham Property

Figure 2

April 1995

APPENDIX C

LABORATORY CERTIFICATES

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172

AIHA Accreditation: 11134

PAGE 1

ICES
P.O. BOX 11582
BERKELEY, CA 94712

REPORT DATE: 04/21/95

DATE(S) SAMPLED: 04/03/95

DATE RECEIVED: 04/04/95

ATTN: PENG LEONG
CLIENT PROJ. ID: 2107
CLIENT PROJ. NAME: DOYLE ST.

AEN WORK ORDER: 9504027

PROJECT SUMMARY:

On April 4, 1995, this laboratory received 5 soil sample(s).

Client requested sample(s) be analyzed for inorganic and organic parameters. Results of analysis are summarized on the following page(s). Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Client Services at (510) 930-9090.


Larry Klein
Laboratory Director

ICES

SAMPLE ID: S-1
 AEN LAB NO: 9504027-01
 AEN WORK ORDER: 9504027
 CLIENT PROJ. ID: 2107

DATE SAMPLED: 04/03/95
 DATE RECEIVED: 04/04/95
 REPORT DATE: 04/21/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	5	ug/kg	04/12/95
Toluene	108-88-3	ND	5	ug/kg	04/12/95
Ethylbenzene	100-41-4	ND	5	ug/kg	04/12/95
Xylenes, Total	1330-20-7	ND	5	ug/kg	04/12/95
Purgeable HCs as Gasoline	5030/GCFID	ND	0.2	mg/kg	04/12/95
#Extraction for TPH	EPA 3550	-		Extrn Date	04/16/95
TPH as Diesel	GC-FID	ND	1	mg/kg	04/17/95
Lead	EPA 7420	5 *	3	mg/kg	04/10/95
#Digestion, Metals AA/ICP	EPA 3050	-		Prep Date	04/07/95

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

ICES

SAMPLE ID: S-2
 AEN LAB NO: 9504027-02
 AEN WORK ORDER: 9504027
 CLIENT PROJ. ID: 2107

DATE SAMPLED: 04/03/95
 DATE RECEIVED: 04/04/95
 REPORT DATE: 04/21/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	5	ug/kg	04/12/95
Toluene	108-88-3	ND	5	ug/kg	04/12/95
Ethylbenzene	100-41-4	71 *	5	ug/kg	04/12/95
Xylenes, Total	1330-20-7	16 *	5	ug/kg	04/12/95
Purgeable HCs as Gasoline	5030/GCFID	4.9 *	1	mg/kg	04/12/95
#Extraction for TPH	EPA 3550	-		Extrn Date	04/16/95
TPH as Diesel	GC-FID	10 *	1	mg/kg	04/17/95
Lead	EPA 7420	6 *	3	mg/kg	04/10/95
#Digestion, Metals AA/ICP	EPA 3050	-		Prep Date	04/07/95

Reporting limits elevated for gas/BTEX due to high levels of target and non-target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

ICES

SAMPLE ID: S-3
 AEN LAB NO: 9504027-03
 AEN WORK ORDER: 9504027
 CLIENT PROJ. ID: 2107

DATE SAMPLED: 04/03/95
 DATE RECEIVED: 04/04/95
 REPORT DATE: 04/21/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	290 *	100	ug/kg	04/12/95
Toluene	108-88-3	ND	100	ug/kg	04/12/95
Ethylbenzene	100-41-4	350 *	100	ug/kg	04/12/95
Xylenes, Total	1330-20-7	640 *	100	ug/kg	04/12/95
Purgeable HCs as Gasoline	5030/GCFID	370 *	20	mg/kg	04/12/95
#Extraction for TPH	EPA 3550	-		Extrn Date	04/16/95
TPH as Diesel	GC-FID	260 *	1	mg/kg	04/19/95
Lead	EPA 7420	7 *	3	mg/kg	04/10/95
#Digestion, Metals AA/ICP	EPA 3050	-		Prep Date	04/07/95

Reporting limits elevated for gas/BTEX due to high levels of target and non-target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

ICES

SAMPLE ID: S-4
 AEN LAB NO: 9504027-04
 AEN WORK ORDER: 9504027
 CLIENT PROJ. ID: 2107

DATE SAMPLED: 04/03/95
 DATE RECEIVED: 04/04/95
 REPORT DATE: 04/21/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	5	ug/kg	04/12/95
Toluene	108-88-3	ND	5	ug/kg	04/12/95
Ethylbenzene	100-41-4	ND	5	ug/kg	04/12/95
Xylenes, Total	1330-20-7	ND	5	ug/kg	04/12/95
Purgeable HCs as Gasoline	5030/GCFID	ND	0.2	mg/kg	04/12/95
#Extraction for TPH	EPA 3550	-		Extrn Date	04/16/95
TPH as Diesel	GC-FID	ND	1	mg/kg	04/17/95
Lead	EPA 7420	4 *	3	mg/kg	04/10/95
#Digestion, Metals AA/ICP	EPA 3050	-		Prep Date	04/07/95

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

ICES

SAMPLE ID: S-5
 AEN LAB NO: 9504027-05
 AEN WORK ORDER: 9504027
 CLIENT PROJ. ID: 2107

DATE SAMPLED: 04/03/95
 DATE RECEIVED: 04/04/95
 REPORT DATE: 04/21/95

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	24,000 *	500	ug/kg	04/12/95
Toluene	108-88-3	180,000 *	500	ug/kg	04/12/95
Ethylbenzene	100-41-4	120,000 *	500	ug/kg	04/12/95
Xylenes, Total	1330-20-7	590,000 *	500	ug/kg	04/12/95
Purgeable HCs as Gasoline	5030/GCFID	5,200 *	100	mg/kg	04/13/95
#Extraction for TPH	EPA 3550	-		Extrn Date	04/16/95
TPH as Diesel	GC-FID	580 *	1	mg/kg	04/19/95
Lead	EPA 7420	11 *	3	mg/kg	04/10/95
#Digestion, Metals AA/ICP	EPA 3050	-		Prep Date	04/07/95

Reporting limits elevated for gas/BTEX due to high levels of target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
 * = Value at or above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9504027

CLIENT PROJECT ID: 2107

Quality Control and Project Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spike(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analysis.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behavior, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrumental performance.

D: Surrogates diluted out.

#: Indicates result outside of established laboratory QC limits.

QUALITY CONTROL DATA

METHOD: EPA 3550 GCFID

AEN JOB NO: 9504027
 DATE EXTRACTED: 04/16/95
 INSTRUMENT: C
 MATRIX: SOIL

Surrogate Standard Recovery Summary

Date Analyzed	Client Id.	Lab Id.	Percent Recovery	
			n-Pentacosane	
04/17/95	S-1	01	76	
04/17/95	S-2	02	76	
04/19/95	S-3	03	83	
04/17/95	S-4	04	75	
04/19/95	S-5	05	80	
QC Limits:			70-138	

DATE EXTRACTED: 04/14/95
 DATE ANALYZED: 04/17/95
 SAMPLE SPIKED: 9504029-07
 INSTRUMENT: C

Matrix Spike Recovery Summary

Analyte	Spike Added (mg/kg)	Average Percent Recovery	RPD	QC Limits	
				Percent Recovery	RPD
Diesel	38.8	81	6	44-108	13

Daily method blanks for all associated analytical runs showed no contamination over the reporting limit.

QUALITY CONTROL DATA

METHOD: EPA 8020, 5030 GCFID

AEN JOB NO: 9504027
 INSTRUMENT: H
 MATRIX: SOIL

Surrogate Standard Recovery Summary

Date Analyzed	Client Id.	Lab Id.	Percent Recovery Fluorobenzene
04/12/95	S-1	01	102
04/12/95	S-2	02	103
04/12/95	S-3	03	101
04/12/95	S-4	04	101
04/12/95	S-5	05	109
QC Limits:			92-110

DATE ANALYZED: 04/12/95
 SAMPLE SPIKED: 9504013-01
 INSTRUMENT: H

Matrix Spike Recovery Summary

Analyte	Spike Added (ug/kg)	Average Percent Recovery	RPD	QC Limits	
				Percent Recovery	RPD
Benzene	36.4	99	<1	79-113	26
Toluene	105.6	96	<1	84-110	20
Hydrocarbons as Gasoline	1000	88	<1	60-126	20

Daily method blanks for all associated analytical runs showed no contamination over the reporting limit.

QUALITY CONTROL DATA

AEN JOB NO: 9504027
SAMPLE SPIKED: SAND
DATE(S) ANALYZED: 04/10/95
MATRIX: SOIL

Method Spike Recovery Summary

Analyte	Inst. / Method	Spike Added (mg/kg)	Average Percent Recovery	RPD	QC Limits	
					Percent Recovery	RPD
Pb, Lead	V22/7420	50	105	3	85-111	7

Daily method blanks for all associated runs showed no contamination over the reporting limit.

*** END OF REPORT ***



CHAIN-OF-CUSTODY

R-S, S-A

9504027.

PO Box 11582 • Berkeley • CA 94712 2582
Tel (510) 528-0715 • Fax (510) 528-0715

Project Name		Project No.			ANALYSIS				Comments / Hazards
DOYLE ST. EMERYVILLE		ICES 2107			TPH gas	TPH liquid	BTEX	Total Lead	
Lab Number	ICES Sample Identification	Date Collected	Sample Type	No. of Cont.					
01A	S-1	4/3/95	SOIL	1 BRASS TUBE	↓	↓	↓	↓	
02A	S-2	↓	↓	↓	↓	↓	↓	↓	
03A	S-3	↓	↓	↓	↓	↓	↓	↓	
04A	S-4	↓	↓	↓	↓	↓	↓	↓	
05A	S-5	↓	↓	↓	↓	↓	↓	↓	
					<p>4/6 - Bill Iolo Ron Bill to. RB</p> <p>Ron Silberman Fordham Properties 5835 Doyle St. Suite 115 Emeryville CA 94608 Ph 547 7177 Fax 547 8442</p>				
Relinquished by: (Signature)		DATE	TIME		Received by: (Signature)		DATE	TIME	
		APR 4, 95	7:00am				4/4/95	10:45	
Relinquished by: (Signature)		DATE	TIME		Received by: (Signature)		DATE	TIME	
		4/4/95	12:10				4-4-95	12:10	
Relinquished by: (Signature)		DATE	TIME		Received by: (Signature)		DATE	TIME	

NOTE: Please send reports and invoices to the above address.

TURNAROUND TIME: 24 Hours 3 Days 5 Days Normal

APPENDIX D

NON-HAZARDOUS MATERIALS MANIFESTS

JOB ACCEPTANCE NO.

CMM - 4108

TO BE COMPLETED BY THE GENERATOR

GENERATOR
FORUM PROPERTIES
 MAILING ADDRESS
 5835 DOYLE ST. SUITE 115
 CITY, STATE, ZIP
 EMERYVILLE, CA 94608
 PHONE
 CONTACT PERSON
 SIGNATURE OF AUTHORIZED AGENT / TITLE
 *
 DATE
 4/13/95

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
 GLOVES GOGGLES RESPIRATOR HARD HAT
 TY-VEK OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE
 TREATMENT SOIL
 DISPOSAL SOIL
 CONSTRUCTION SOIL
 SLUDGE
 NON-FRIABLE ASBESTOS
 WOOD
 ASH
 OTHER

RECEIVING FACILITY
FORWARD INC. LANDFILL
 9999 SOUTH AUSTIN ROAD
 MANTECA, CALIFORNIA 95336
 (209) 982-4298 PHONE
 (209) 982-1009 FAX

GENERATING FACILITY
 5515 DIXON ST.
 EMERYVILLE, CA 94608

TRANSPORTER
HAULER MUST COMPLETE

NAME
TEVICON INC / DENVER
 ADDRESS
 1565 E. LITTELANIA RD
 CITY, STATE, ZIP
 SANTA MARIA, CA 93454
 PHONE
 805-922-0771
 SIGNATURE OF AUTHORIZED AGENT OR DRIVER
 *
 DATE
 4/13/95

NOTES
 TRUCK NUMBER
 JL-1

END DUMP BOTTOM DUMP TRANSFER
 ROLL-OFF(S) FLAT-BED VAN DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL
 Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.
 REMARKS
 FACILITY TICKET NUMBER
 SIGNATURE OF AUTHORIZED AGENT
 *
 DATE

CUBIC YARDS
 1.8

DISPOSAL METHOD	(TO BE COMPLETED BY FORWARD)				
	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
<input type="checkbox"/> SOIL					
<input type="checkbox"/> SLUDGE					
<input type="checkbox"/> NON-FRIABLE ASBESTOS					
<input type="checkbox"/> WOOD					
<input type="checkbox"/> ASH					
<input type="checkbox"/> OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

MANIFEST # 21534



NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO.

CMM-4108

TO BE COMPLETED BY THE GENERATOR

GENERATOR
 MAILING ADDRESS
 CITY, STATE, ZIP
 PHONE
 CONTACT PERSON
 SIGNATURE OF AUTHORIZED AGENT / TITLE
 DATE

FORWARD PROPERTIES
 5035 DOYLE ST. SUITE 115
 EMERYVILLE, CA 94608
 510-342-7177
 [Signature]
 4/13/95

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
 GLOVES GOGGLES RESPIRATOR HARD HAT
 TY-VEK OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE

TREATMENT SOIL
 DISPOSAL SOIL
 CONSTRUCTION SOIL

SLUDGE
 NON-FRIABLE ASBESTOS
 WOOD
 ASH
 OTHER

RECEIVING FACILITY

FORWARD INC. LANDFILL
 9999 SOUTH AUSTIN ROAD
 MANTECA, CALIFORNIA 95336
 (209) 982-4298 PHONE
 (209) 982-1009 FAX

GENERATING FACILITY

5035 DOYLE ST.
 EMERYVILLE, CA. 94608

TRANSPORTER
HAULER MUST COMPLETE

NAME
 ADDRESS
 CITY, STATE, ZIP
 PHONE
 SIGNATURE OF AUTHORIZED AGENT OR DRIVER
 DATE

JERVICOM INC
 1565 EAST BETTERAVIA
 SANTA MARIA CA 93454
 805-922-0771
 [Signature]
 4-3-95

NOTES

TRUCK NUMBER
 4

END DUMP BOTTOM DUMP TRANSFER
 ROLL-OFF(S) FLAT-BED VAN DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT
 DATE

[Signature]

CUBIC YARDS
 18

DISPOSAL METHOD:	(TO BE COMPLETED BY FORWARD)				
	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
<input type="checkbox"/> SOIL					
<input type="checkbox"/> SLUDGE					
<input type="checkbox"/> NON-FRIABLE ASBESTOS					
<input type="checkbox"/> WOOD					
<input type="checkbox"/> ASH					
<input type="checkbox"/> OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

MANIFEST # 21535



NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO.

Chm - 4108

TO BE COMPLETED BY THE GENERATOR

GENERATOR
 MAILING ADDRESS: Freedom Properties
 5935 Dorado St., Suite 115
 CITY, STATE, ZIP: Fremont, CA 94538
 PHONE: 510-477-7177
 CONTACT PERSON: [Signature]
 SIGNATURE OF AUTHORIZED AGENT / TITLE: [Signature] / [Title]
 DATE: 1/3/95

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
 GLOVES GOGGLES RESPIRATOR HARD HAT
 TY-VEK OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE
 TREATMENT SOIL SLUDGE
 DISPOSAL SOIL NON-FRIABLE ASBESTOS
 CONSTRUCTION SOIL WOOD
 ASH
 OTHER

RECEIVING FACILITY
 FORWARD INC. LANDFILL
 9999 SOUTH AUSTIN ROAD
 MANTECA, CALIFORNIA 95336
 (209) 982-4298 PHONE
 (209) 982-1009 FAX

GENERATING FACILITY
 5000 Dorado St.
 Fremont, CA 94605

TRANSPORTER
HAULER MUST COMPLETE

NAME: TENVICON INC / BAUERLE TEK
 ADDRESS: 1565 EAST BETTERAVIA ROAD
 CITY, STATE, ZIP: SANIA MARIA CA 95454
 PHONE: 805 922-0771
 SIGNATURE OF AUTHORIZED AGENT OR DRIVER: [Signature]
 DATE: 4/3/95

NOTES:

TRUCK NUMBER: RB7

END DUMP BOTTOM DUMP TRANSFER
 ROLL-OFF(S) FLAT-BED VAN DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: [Signature]
 DATE:

CUBIC YARDS: 15

DISPOSAL METHOD	(TO BE COMPLETED BY FORWARD)				
	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
<input type="checkbox"/> SOIL					
<input type="checkbox"/> SLUDGE					
<input type="checkbox"/> NON-FRIABLE ASBESTOS					
<input type="checkbox"/> WOOD					
<input type="checkbox"/> ASH					
<input type="checkbox"/> OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

MANIFEST # 21536



NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO.

Cmm - 4108

TO BE COMPLETED BY THE GENERATOR

GENERATOR
 MAILING ADDRESS: *Forward Inc Properties*
 CITY, STATE, ZIP: *5835 Dorris St, Sonoma, CA 94968*
 PHONE: *707-537-1177*
 CONTACT PERSON: *Randy...*
 SIGNATURE OF AUTHORIZED AGENT / TITLE: *[Signature]* DATE: *4/3/95*

REQUIRED PERSONAL PROTECTIVE EQUIPMENT:
 GLOVES GOGGLES RESPIRATOR HARD HAT
 TY-VEK OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE:
 TREATMENT SOIL SLUDGE
 DISPOSAL SOIL NON-FRIABLE ASBESTOS
 CONSTRUCTION SOIL WOOD
 ASH
 OTHER

RECEIVING FACILITY:
 FORWARD INC. LANDFILL
 9999 SOUTH AUSTIN ROAD
 MANTECA, CALIFORNIA 95336
 (209) 982-4298 PHONE
 (209) 982-1009 FAX

GENERATING FACILITY:
5835 Dorris St, Sonoma, CA 94968

TRANSPORTER
HAULER MUST COMPLETE

NAME: *JERVICOM INC / DENESTE TRANS*
 ADDRESS: *1565 EAST BETTERAVIA ROAD*
 CITY, STATE, ZIP: *SANIA MARIA CA 93450*
 PHONE: *805-922-0771*
 SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *[Signature]* DATE: *4-3-95*

NOTES: _____ TRUCK NUMBER: *JL-1*

END DUMP BOTTOM DUMP TRANSFER
 ROLL-OFF(S) FLAT-BED VAN DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL
 Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.
 REMARKS:
 FACILITY TICKET NUMBER:
 SIGNATURE OF AUTHORIZED AGENT: *[Signature]* DATE: _____

CUBIC YARDS: *184*

DISPOSAL METHOD	(TO BE COMPLETED BY FORWARD)				
	DISPOSE	BIO	ASBATE	STOCKPILE	OTHER
<input type="checkbox"/> SOIL					
<input type="checkbox"/> SLUDGE					
<input type="checkbox"/> NON-FRIABLE ASBESTOS					
<input type="checkbox"/> WOOD					
<input type="checkbox"/> ASH					
<input type="checkbox"/> OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

MANIFEST # 21537



NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO.

Cmm - 4108

TO BE COMPLETED BY THE GENERATOR

GENERATOR
Mailing Address: *Forward Inc. Properties*

CITY, STATE, ZIP

PHONE: *573-500-7417 ST 31 115*

CONTACT PERSON: *R. Alan Blyden*

SIGNATURE OF AUTHORIZED AGENT / TITLE: *[Signature]* DATE: *4/3/95*

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

GLOVES GOGGLES RESPIRATOR HARD HAT

TY-VEK OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE

TREATMENT SOIL SLUDGE

DISPOSAL SOIL NON-FRIABLE ASBESTOS

CONSTRUCTION SOIL WOOD

ASH

OTHER

RECEIVING FACILITY

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

GENERATING FACILITY

*2500 20th St
Santa Maria, CA 94622*

TRANSPORTER
HAULER MUST COMPLETE

NAME: *JERVICON INC / ACKLAND TRK*

ADDRESS: *1565 EAST BETTERAVIA ROAD*

CITY, STATE, ZIP: *SANTA MARIA CA 93454*

PHONE: *805-922-6171*

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *[Signature]* DATE: *4-3-95*

NOTES:

TRUCK NUMBER: *4*

END DUMP BOTTOM DUMP TRANSFER

ROLL-OFF(S) FLAT-BED VAN DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *[Signature]* DATE:

CUBIC YARDS: *17*

DISPOSAL METHOD	TO BE COMPLETED BY FORWARD				
	DISPOSE	BIG	AERATE	STOCKPILE	OTHER
<input type="checkbox"/> SOIL					
<input type="checkbox"/> SLUDGE					
<input type="checkbox"/> NON-FRIABLE ASBESTOS					
<input type="checkbox"/> WOOD					
<input type="checkbox"/> ASH					
<input type="checkbox"/> OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

MANIFEST # 21538