

43255 Mission Boulevard, Fremont, CA 94539 (415) 651-1906

FREMONT

COSTA MESA

SACRAMENTO

HOUSTON

REPORT
ENVIRONMENTAL INVESTIGATION
RELATED TO UNDERGROUND TANK REMOVAL
at
Barbary Coast Steel Corporation
4300 East Shore Highway
Emeryville, California

INTRODUCTION

This report summarizes the limited environmental investigation conducted in conjunction with the removal of six underground storage tanks at the Barbary Coast Steel Corporation site located at 4300 East Shore Highway, Emeryville, California. W.A. Craig, Inc., requested that Applied GeoSystems conduct an Underground Storage Tank (UST) investigation to inspect the removed tanks and to test for the presence of hydrocarbon product in the soil under and adjacent to the tanks. This report describes the work elements associated with the tank removal and inspection and the soil sampling and laboratory analyses. The analytical results obtained are also summarized, and our recommendations are presented.

BACKGROUND

Barbary Coast Steel Corporation is located at 4300 East Shore Highway in Emeryville, California, as shown on the Site Vicinity Map, Plate P-1. The underground storage tanks removed were excavated from three locations of the site, designated A, B, and C in this report, as shown in the Generalized Site Plan, Plate P-Three underground storage tanks were present at Location A. These were a 1,200-gallon-capacity diesel storage tank (Tank T1), a 1,200-gallon-capacity gasoline storage tank (Tank T2), and a 10,000-gallon-capacity diesel storage tank (Tank T3). Two underground storage tanks were located at B. These were a 2,000gallon-capacity gasoline storage tank (Tank T4) and a 2,000gallon-capacity diesel storage tank (Tank T5). A 12,000-galloncapacity diesel tank (Tank T6) was located at C. Tank T6 was constructed of fiberglass while the other five tanks were constructed of steel. It is our understanding that the tanks at Location A were installed in the 1940's or 1950's, and the tanks at Location B were installed in the 1960's. The fibreglass tank (Tank T6) was installed approximately 6 years ago.

TANK REMOVAL AND INSPECTION

A field geologist from Applied GeoSystems was present on site on February 25, 1988, to observe removal of tanks T1 through T5; to inspect their outer surfaces; and to inspect and collect soil and water samples from the tank cavities. The geologist returned to the site on February 26, 1988, to inspect Tank T6 and to collect soil and water samples from the tank pit. Dry ice was placed inside each tank approximately 2 hours prior to its removal to create a non-explosive environment inside the tank, in accordance with regulations set by the Oakland Fire Department. An Organic Vapor Analyzer (OVA) was used to check that the vapor concentration inside each tank was below the Lower Explosive Limit (LEL) before the tank was removed.

W.A. Craig, Inc., of Richmond, California, removed the tanks. Excavation and tank removal were accomplished with a backhoe. The tanks were lifted from their cavities and rolled on their sides for inspection. The outer surface of each tank was inspected by personnel from Applied GeoSystems for signs of leakage, holes, pitting, or areas of weakness. The sides and ends of each tank were scraped, and particular attention was given to seams and points directly below the fill port. The

fiberglass tank (Tank T6) broke apart during the excavation operation; and, therefore, its <u>in situ</u> integrity could not be inferred by inspection. A summary of the observations made is shown in Table 1. After inspection, the tanks were transported to a disposal facility by H and H Ship Service Company of San Franscisco, California.

TABLE 1 SUMMARY OF OBSERVATIONS DURING TANK INSPECTION Barbary Coast Steel Corporation 4300 East Shore Boulevard Emeryville, California

- Tank T1 (diesel): steel, 1,200-gallon-capacity, slightly rusted, no signs of leakage or through-going holes.
- Tank T2 (gasoline): steel, 1,200-gallon-capacity, slightly rusted, no signs of leakage or through-going holes.
- Tank T3 (diesel): steel, 10,000-gallon-capacity, slightly rusted, no signs of leakage or through-going holes.
- Tank T4 (gasoline): steel, 2,000-gallon-capacity, slightly rusted, no signs of leakage or through-going holes.
- Tank T5 (diesel): steel, 2,000-gallon-capacity, slightly rusted, no signs of leakage or through-going holes.
- Tank T6 (diesel): fiberglass, 12,000-gallon-capacity, broke apart during excavation and removal.

SOIL AND WATER SAMPLING

The material surrounding the tanks at the site was predominantly foundry slag containing a matrix of medium-grained sand. The water table was encountered at a depth of approximately 6 feet; therefore, the bottoms of the excavations were flooded. Soil samples were collected for laboratory analyses from the matrix material due to the large size of the slag pieces. These samples were collected from material excavated from the side wall of each tank pit from just above the water table. No soil samples were collected from around tanks T1 through T3 because there was insufficient matrix material in the slag to sample.

The samples were collected by driving a hand-held sampler containing a laboratory-cleaned brass sleeve into a bucket load of soil when the backhoe brought it to the surface. Samples were immediately sealed with aluminum foil, plastic caps, and airtight tape. Samples were then labeled and placed into iced storage for transport to the testing laboratory.

Water samples were collected from each of the flooded tank pit excavations. The water samples were collected using a laboratory-cleaned Teflon bailer and were transferred to

laboratory-cleaned, 40-milliliter glass volatile organic analysis (VOA) vials or 1-liter glass bottles depending on the analyses required. The samples were made acidic by adding hydrochloric acid and then immediately sealed with Teflon-lined caps, labeled, and placed in iced storage. When the fiberglass tank (Tank T6) broke apart during the removal operation, liquid from the tank entered the pit. A water sample was collected from the tank pit after H and H Shipping of San Franscisco had pumped the liquid spill from the excavation.

The soil and water samples were delivered to the Applied GeoSystems laboratory in Fremont, California, for analyses. Chain-of-Custody protocol was observed throughout the process of handling the samples.

LABORATORY ANALYSES

Soil samples collected from the sides of the excavation which contained Tank T4 were analyzed for total petroleum hydrocarbons (TPH), and the samples collected from the sides of the excavations which contained Tank T5 and Tank T6 were analyzed for total extractable hydrocarbons (TEH). Water samples collected from excavations which contained the diesel storage tanks (T1, T3, T5, and T6) were analyzed for TEH and the hydrocarbon

constituents benzene, toluene, ethylbenzene, and total xylenes (BTEX). Water samples collected from excavations which contained the gasoline storage tanks (T2 and T4) were analyzed for TPH and BTEX. The analytical results are summarized in Table 2. The methods of analyses used are described on the Analysis Reports which are included in the Appendix of this report.

TABLE 2
RESULTS OF LABORATORY ANALYSES
Barbary Coast Steel Corporation
4300 East Shore Boulevard
Emeryville, California

	В	E	T	Χ	TPH	ТЕН
Soil:					-	
S-8-T4S	NA	NA	NA	NА	<2	NA
S-8-T4N	NA '	NA	NA	АИ	6	NА
S-7-T5S	NA	NA	NA	NA	АИ	9650
S-7-T5N	NA	NA	АИ	NA	ΝА	9870
S-4.5-T6NE	NA	NA	NА	AИ	NА	1100
S-5.5-T6SE	NA	АИ	NA	АИ	NA	<5
Water:						
W-7-T3	NA	NА	NA	NA	NA	0.40
W-6-T3	0.004	0.012	0.018	0.056	1.78	NA
W-8-T4	0.131	0.426	0.111	0.659	7.2	NA
W-7-T5	0.029	0.025	0.011	0.088	NA	NA
W-6.5-T6	0.51	0.21	0.94	1.23	NA	64.0

Results reported in parts per million (ppm)

TPH = total petroleum hydrocarbons

TEH = total extractable hydrocarbons

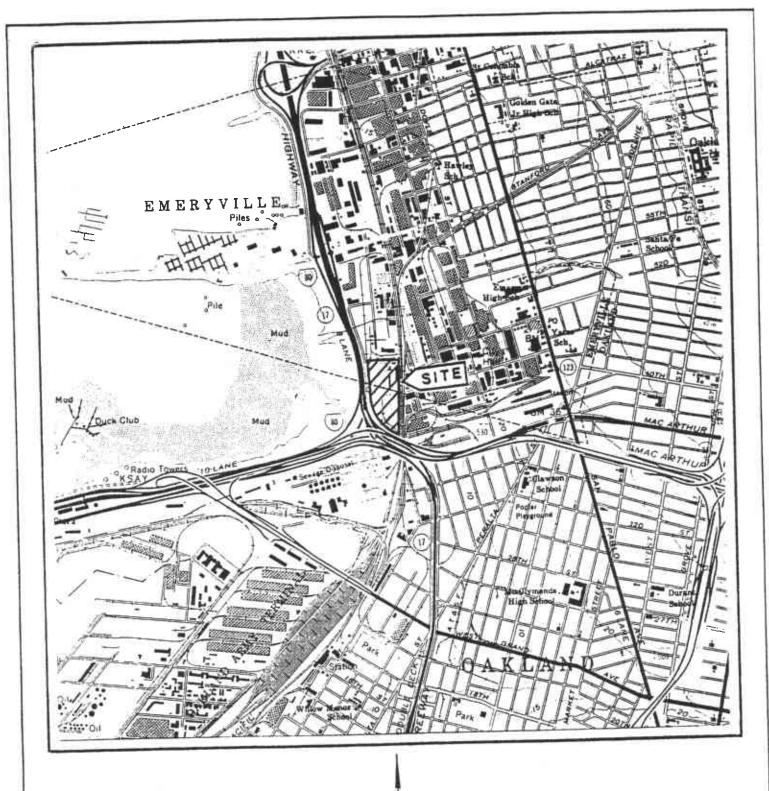
BETX = benzene, ethylbenzene, toluene, and total xylene isomers

< = less than detection limit for method of analysis used</pre>

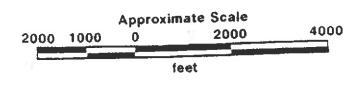
NA =. analysis not required

Sample description: S-8-T4S

Side of pit sampled
Tank number
Depth below grade (feet)
S = soil, W = water



Source: U.S. Geological Survey 7.5-Minute Quadrangle Oakland West, California Photorevised 1980





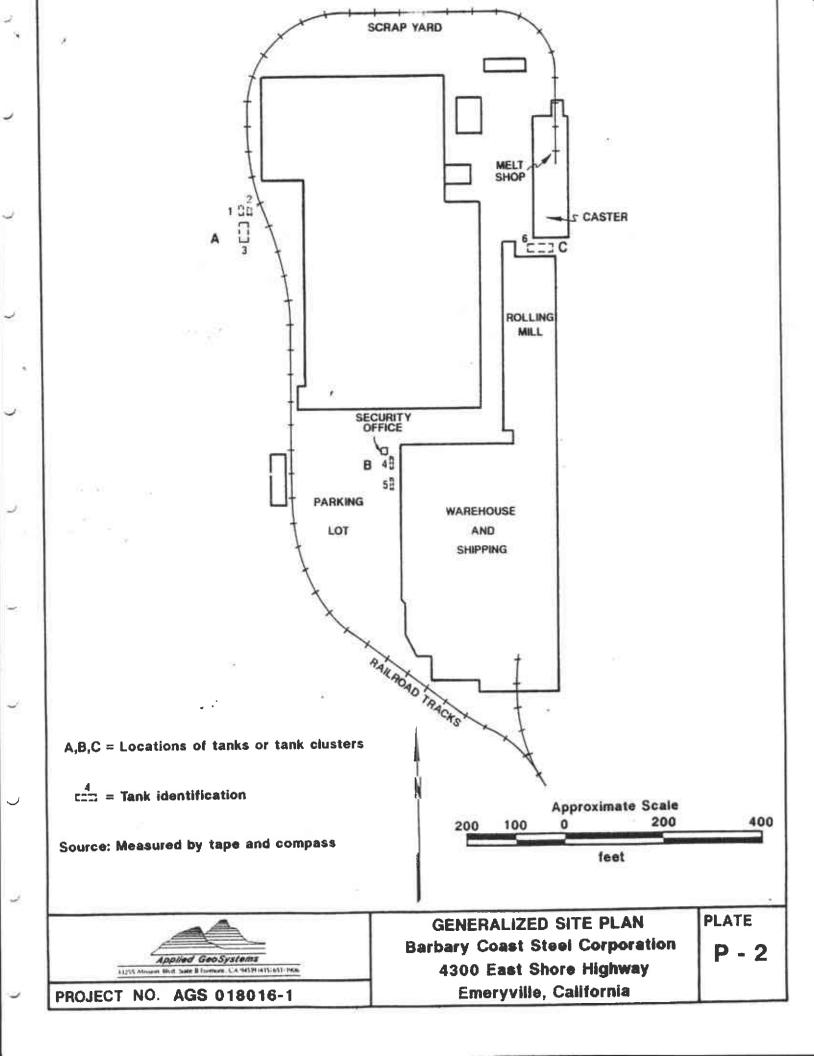
PROJECT NO.

AGS 018016-1

SITE VICINITY MAP
Barbary Coast Steel Corporation
4300 East Shore Boulevard
Emeryville, California

PLATE

P - '



W. A. CRAIG, INC. Marine & Industrial Construction P.O. Box 448 NAPA, CALIFORNIA 94559

MEMO

(707) 252-3353

Borbary Const Steel 4300 & Shore Huy -EMERY VILLE, CA. SUBJECT 2-16-88
SITE SAFETY PLAN

Energency Phone #15.
OAKland Norp. E.R. 415-532-3300 Bxt 236
Ambulanco 415-653-6622
Line/Riseue 911
POISON CONTROLL CUT 415-428-3248
Consultanta LAB - Ask for Glen 415-651-1906
Consultant d. LAB - Ask for Glen 415-651-1906 SASety/All Energencies - Page Bull Croin 415-620-7244
A site specific Sofety plan has been prepared by Applied Geo Systems - 415-651-1906
by Applied Geo Systems - 415-651-1906
PLEASE REPLY DINO REPLY NECESSARY BULLAU

CITY OF C	DAKLAND	a 130	Tank Permit	
Permit to Excavate and Install, Repair.	or Remove Inflamm	able Liquid Tan	ks. No. 906	
The state of the s	Dakland, California,	February 2	3,	19.88
		avate commencing	feet inside.per	pertyle
	400 graphica			Street
m the east side of - East Shore Highway Avenue	foot	of		Avenue
House No. 4300 Eastshore Hwy. Avenue			Y.	
Dwner_ Barbary Coast SteelAddress			Phone 707 (0)	ra 2252
Applicant W. A. Craig. Inc. Address	P.O.Box 448 Napa	94559	Phone 707/2	
Dimensions of street (sidewalk) surface to be disturbed X	Number of Tenks		000 e	allons, sach.
Remarks:		The second secon	200	
Approved Drainage Division Engineering Dept. EXCAVATING PERMIT	W	+	E	
		DV=1-8	() () () () () () () () () ()	dia.
Issued in accordance with Ord. No. 278 CMS, Sec. 6-2.04	CERTIFICATE OF	TANK AND EQU	PMENT INSP	ECTION
The receipt of \$special deposit is hereby acknowledged.	Inspected and passed on.		E 1. 10 (1. 1. 1.	19
GENERAL DEPOSIT. BUREAU OF PERMITS AND LICENSES.	了。 她,她就是一位的	ETEL CONTEN	建 植生产的 少于	CARLEY.
Control of the Contro				ice Marshat
Inspection Fee Paid \$ 50.00 ck#1308 rec#128	3476	NOTICE		1571
D. Clemons		Tanks, Above Certif		
Received by	When ready for Inspectio	n notify Fire Prevention	Sureou, 273-38	51

Excavation Permit Granted.

PARLANTO 973 PHONE (415) OAKLAND

THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY 538-88 (6-67)

FIRE PREVENTION BUREAU

AL PARTIAL PAYMENT	•	CACII	DAIL	-/-	/	
EIVED EDOM MI. M. I NOW	g, Inc	CASH 2 BY CHECK	\delta #	1308	88 120	
EIVED FROM	1		V2-71 /	, , , ,		
DESCRIPTION	INVO	T/C FUND Y	F ACT.	SCE CE	Charles and Charle	TNUC
Jarol Karrolel		101	23/0	42	# 50	.00
and principal					7	
1. 1. 1. 1	/				_	-
4300 East Have H	wit					
	/			- 5	S 92 T E T T	
		\rightarrow				
			1 8			
67						
(ILIARY RECEIPT REF. NO.:				TO	TALD \$50	00
			2	- · -	04-	7
		DEPARTME	NT TI	re f	never	w
			70.	. ')	11/2	
		BY	MA	la	Clem	01
	custom	ER COPY	12			
	custom	ER COPY	T#			
	custom	ER COPY		,		
	CUSTOM	ER COPY		4		
	CUSTOM	OAKLAND				
	CUSTOM	OAKLAND				
	CUSTOM CITY CO	OAKLAND	Beture 120	way and a		
	CITY C	OAKLAND Spike	Betto:	en g		
	CHY CO	OAKLAND Spile ENTION BUREAU	Betto Phone 273-3 RHAND, CA	(415) 853		
.6 3-80 19	CHY CO	OAKLAND Spike	Betion 7.30 Phone 273-3 AKLAND, CA	(415) (415) (53)		
	CHY CO	OAKLAND Spile ENTION BUREAU	Beture 7.30 PHONE 273-3 KLAND, CA	(415) 853 94612		
	CHY CO	OAKLAND Spile ENTION BUREAU	Betto 330 Phone 273-3 AKLAND, CA	(415) 853 84612		
	CHY CO	OAKLAND Spile ENTION BUREAU	Betion 130 Phone 273-3 AKLAND, CA	(415) (415) (53) (4612		
	CHY CO	OAKLAND Spile ENTION BUREAU	Beture 130 PHONE 273-3 AKLAND, CA	(415) 853 94612		
	CHY CO	OAKLAND Spile ENTION BUREAU	Betto 7.30 Phone 273-3 AKLAND, CA	(415) (415) 653 64612		
.6.3-00 @	CHY CO	OAKLAND Spile ENTION BUREAU	Betton 130 Phone 273-3 Akland, Ca	(415) 853 74612		



43255 Mission Boulevard, Fremont, CA 94539 (415) 651-1906

FREMONT

COSTA MESA

SACRAMENTO

HOUSTON

ANALYSIS REPORT

0212lab.frm

Report Prepared for: Applied GeoSystems 43255 Mission Blvd.

Laboratory Number: 02058S04 Project:

Date Received:

2-26-88 018016-1

Fremont, CA 94539

Sample: -Matrix:

S-7-T5S Soil

Attention: John T. Lambert

Parameter	Resu (mg/kg)	ılt (mg/L)	Detection (mg/kg)	on Limit (mg/L)	Date Analyzed	Notes
TVH as Gasoline TPH as Gasoline TEH as Diesel Benzene Toluene Ethylbenzene Total Xylenes			50		03-02-88	NR NR NR NR NR

mg/kg = milligrams per kilogram = parts per million (ppm).

mg/L = milligrams per liter = ppm.

= Not detected. Compound(s) may be present at ND

concentrations below the detection limit.

= Analysis not required. NR

PROCEDURES

TVH/BTEX--Total volatile hydrocarbons (TVH) and benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction according to EPA Method 5030 followed by analysis by a EPA Method 8020/602 (modified for TVH) which uses a gas chromatograph (GC) equipped with a photo-ionization detector (PID) and a flame-ionization detector (FID) in series. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TPH--Total petroleum hydrocarbons (low-to-medium boiling points) are measured by extraction according to EPA Method 5030 followed by analysis by a modified EPA Method 8015 which uses a GC equipped with an FID. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TEH--Total extractable hydrocarbons (high boiling points) are measured by extraction according to EPA Method 3550 for soils or EPA Method 3510 for water followed by a modified EPA Method 8015 with direct sample injection into a GC equipped with an FID.

Tia Tran, Laboratory Supervisor

3-14-88 Date Reported

APPLIED GEOSYSTEMS IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY



43255 Mission Boulevard, Fremont, CA 94539 (415) 651-1906

FREMONT

COSTA MESA

SACRAMENTO

HOUSTON

ANALYSIS REPORT

0212lab.frm

Report Prepared for: Applied GeoSystems

Laboratory Number: 02058S03

Date Received:

2-26-88

43255 Mission Blvd.

Project:

018016-1 S-7-T5N

Fremont, CA 94539 Attention: John T. Lambert

Sample: Matrix:

Soil

Parameter	Rest (mg/kg)	Detection (mg/kg)	on Limit (mg/L)	Date Analyzed	Notes
TVH as Gasoline TPH as Gasoline TEH as Diesel Benzene Toluene Ethylbenzene Total Xylenes	9870	50		03-02-88	NR NR NR NR NR

mg/kg = milligrams per kilogram = parts per million (ppm).

mg/L = milligrams per liter = ppm.

= Not detected. Compound(s) may be present at ND

concentrations below the detection limit.

= Analysis not required. NR

PROCEDURES

TVH/BTEX--Total volatile hydrocarbons (TVH) and benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction according to EPA Method 5030 followed by analysis by a EPA Method 8020/602 (modified for TVH) which uses a gas chromatograph (GC) equipped with a photo-ionization detector (PID) and a flame-ionization detector (FID) in series. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TPH--Total petroleum hydrocarbons (low-to-medium boiling points) are measured by extraction according to EPA Method 5030 followed by analysis by a modified EPA Method 8015 which uses a GC equipped with an FID. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TEH--Total extractable hydrocarbons (high boiling points) are measured by extraction according to EPA Method 3550 for soils or EPA Method 3510 for water followed by a modified EPA Method 8015 with direct sample injection into a GC equipped with an FID.

Tia Tran, Laboratory Supervisor

3-14-88

Date Reported

CITALIT OF COCIODI RECORD

·							
SAMPLER (signa	ture):			Applied	GeoSyste	ms	
	651 1906		43255 /	Mission Blvd. Suite B	Fremont, CA 945	539 (415) 65	1-1906
LABORATORY:	pplied Geosy	stems	Shippe Addre	ING INFORMATION		<u>. </u>	
		V 5	l l	Shipped se Used			
TURNAMOUND	John Lamb	ert		No	_ Cooler No		
project Leader:	5 651 1906						
Relinquished by:			eceived by:	(signatures)		Date	Time
But	Elly					2/26/88	4:00
		Re	eceived for	laboratory by		2-21-88	4:00
Sample	SHOULD SIGN UP	ON RECEIPT A	AND RETUI	RN A COPY OF TULTS Analyses	Samp	le Conditi	lon
No.	Identification	Sampled		Requested		on Receipt	
W-6.5-T6		2-26-88		FEX BTEX	-	ice	
W-7-T3	018016-1	2.26-88	TEH,			<u>اد د</u>	
5-4.5-TGNE	018016-1	2-26-38	TEH	,		1ce	
5-5.5-T65E	018016-1	2-26-88				ردو	
		<u> </u>			· · · · · · · · · · · · · · · · · · ·		
	•					·	
		····					
						<u> </u>	
					-,, , , ,		
			ti				
			·		4,,,, , , , , , , , , , , , , , , , , ,		
			<u></u>				

ANALYSIS REPORT

0212lab.frm

Report Prepared for:

Applied GeoSystems

43255 Mission Blvd. Fremont, CA 94539

Attention: John T. Lambert

Date Received:

2-26-88 Laboratory Number: 02059W03

Project:

018016-1

Sample: Matrix: W-7-T5Water

Parameter	Resi (mg/kg)	1	Detection (mg/kg)	on Limit (mg/L)	Date Analyzed	Notes
TVH as Gasoline TPH as Gasoline TEH as Diesel Benzene Toluene Ethylbenzene Total Xylenes	•	0.029 0.011 0.025 0.088		0.005 0.005 0.005 0.005	3-03-88 3-03-88 3-03-88 3-03-88	NR NR NR

mg/kg = milligrams per kilogram = parts per million (ppm).

mg/L = milligrams per liter = ppm.

= Not detected. Compound(s) may be present at

concenurations below the detection limit.

NR = Analysis not required.

PROCEDURES

TVH/BTEX--Total volatile hydrocarbons (TVH) and benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction according to EPA Method 5030 followed by analysis by a EPA Method 8020/602 (modified for TVH) which uses a gas chromatograph (GC) equipped with a photo-ionization detector (PID) and a flame-ionization detector (FID) in series. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TPH--Total petroleum hydrocarbons (low-to-medium boiling points) are measured by extraction according to EPA Method 5030 followed by analysis by a modified EPA Method 8015 which uses a GC equipped with an FID. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TEH--Total extractable hydrocarbons (high boiling points) are measured by extraction according to EPA Method 3550 for soils or EPA Method 3510 for water followed by a modified EPA Method 8015. with direct sample injection into a GC equipped with an FID.

Tia Tran, Laboratory Supervisor

3-14-88

Date Reported

FREMONT

COSTA MESA

SACRAMENTO

HOUSTON

ANALYSIS REPORT

0212lab.frm

Report Prepared for: Applied GeoSystems 43255 Mission Blvd.

Project:

Date Received:

Laboratory Number: 02058S01 018016-1

2-26-88

Fremont, CA 94539

Sample: · Matrix:

S-8-T4S Soil

Attention: John T. Lambert

Parameter	Resu (mg/kg)	1	Detection (mg/kg)	on Limit (mg/L)	Date Analyzed	Notes
TVH as Gasoline TPH as Gasoline TEH as Diesel Benzene Toluene Ethylbenzene Total Xylenes	ND		2		03-03-88	NR NR NR NR NR

mg/kg = milligrams per kilogram = parts per million (ppm).

mg/L = milligrams per liter = ppm.

= Not detected. Compound(s) may be present at concentrations below the detection limit. ND

= Analysis not required. NR

PROCEDURES

TVH/BTEX--Total volatile hydrocarbons (TVH) and benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction according to EPA Method 5030 followed by analysis by a EPA Method 8020/602 (modified for TVH) which uses a gas chromatograph (GC) equipped with a photo-ionization detector (PID) and a flame-ionization detector (FID) in series. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TPH--Total petroleum hydrocarbons (low-to-medium boiling points) are measured by extraction according to EPA Method 5030 followed by analysis by a modified EPA Method 8015 which uses a GC equipped with an FID. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TEH--Total extractable hydrocarbons (high boiling points) are measured by extraction according to EPA Method 3550 for soils or EPA Method 3510 for water followed by a modified EPA Method 8015 with direct sample injection into a GC equipped with an FID.

Tia Tran, Laboratory Supervisor

3-14-88

Date Reported

APPLIED GEOSYSTEMS IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY

43255 Mission Boulevard, Fremont, CA 94539 (415) 651-1906

FREMONT

COSTA MESA

SACRAMENTO

HOUSTON

ANALYSIS REPORT

02121ab.frm

Report Prepared for:

Applied GeoSystems

43255 Mission Blvd. Fremont, CA 94539

Attention: John T. Lambert

Date Received:

Laboratory Number: 02059W02

Project: Sample:

W - 6 - T3

Matrix:

Water

2-26-88

018016-1

Parameter ·	Resu (mg/kg)		Detection (mg/kg)		· Date Analyzed	Notes
TVH as Gasoline TPH as Gasoline TEH as Diesel Benzene Toluene Ethylbenzene Total Xylenes		1.78 0.004 0.018 0.012 0.056		0.02 0.001 0.001 0.001 0.001	3-03-88 3-03-88 3-03-88 3-03-88 3-03-88	NR NR

mg/kg = milligrams per kilogram = parts per million (ppm).

mq/L = milligrams per liter = ppm.

= Not detected. Compound(s) may be present at ND

concentrations below the detection limit.

= Analysis not required. NR

PROCEDURES

TVH/BTEX--Total volatile hydrocarbons (TVH) and benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction according to EPA Method 5030 followed by analysis by a EPA Method 8020/602 (modified for TVH) which uses a gas chromatograph (GC) equipped with a photo-ionization detector (PID) and a flame-ionization detector (FID) in series. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TPH--Total petroleum hydrocarbons (low-to-medium boiling points) are measured by extraction according to EPA Method 5030 followed by analysis by a modified EPA Method 8015 which uses a GC equipped with an FID. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TEH--Total extractable hydrocarbons (high boiling points) are measured by extraction according to EPA Method 3550 for soils or EPA Method 3510 for water followed by a modified EPA Method 8015 with direct sample injection into a GC equipped with an FID.

Tia Tran, Laboratory Supervisor

3-14-88

Date Reported



43255 Mission Boulevard, Fremont, CA 94539 (415) 651-1906

FREMONT

COSTA MESA

SACRAMENTO

HOUSTON

ANALYSIS REPORT

0212lab.frm

Report Prepared for:

Applied GeoSystems 43255 Mission Blvd.

Fremont, Ca. 94539 Attention: John T. Lambert Date Received:

2-26-88 Laboratory Number: 02059W01

Project: Sample:

018016-1 W - 8 - T4

Matrix:

Water

Parameter	Resi (mg/kg)		Detection (mg/kg)	on Limit (mg/L)	Date Analyzed	Notes
TVH as Gasoline TPH as Gasoline TEH as Diesel Benzene Toluene Ethylbenzene Total Xylenes	•	7.2 0.131 0.111 0.426 0.659		0.1 0.005 0.005 0.005 0.005	03-03-88 03-03-88 03-03-88 03-03-88	NR NR

mg/kg = milligrams per kilogram = parts per million (ppm).

mg/L = milligrams per liter = ppm.

= Not detected. Compound(s) may be present at

concentrations below the detection limit.

= Analysis not required.

PROCEDURES

TVH/BTEX--Total volatile hydrocarbons (TVH) and benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction according to EPA Method 5030 followed by analysis by a EPA Method 8020/602 (modified for TVH) which uses a gas chromatograph (GC) equipped with a photo-ionization detector (PID) and a flame-ionization detector (FID) in series. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TPH--Total petroleum hydrocarbons (low-to-medium boiling points) are measured by extraction according to EPA Method 5030 followed by analysis by a modified EPA Method 8015 which uses a GC equipped with an FID. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TEH--Total extractable hydrocarbons (high boiling points) are measured by extraction according to EPA Method 3550 for soils or EPA Method 3510 for water followed by a modified EPA Method 8015. with direct sample injection into a GC equipped with an FID.

Tia Tran, Laboratory Supervisor

Date Reported

APPLIED GEOSYSTEMS IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY

3 - 14 - 88

HOUSTON

ANALYSIS REPORT

0212lab.frm

Report Prepared for:

Applied GeoSystems 43255 Mission Blvd.

Fremont, CA 94539

Attention: John T. Lambert

Date Received:

2-26-88

Laboratory Number:02058S02 Project:

018016-1 S-8-T4N

Sample: Matrix:

Soil

Parameter	Resu (mg/kg)	Detection (mg/kg)	on Limit (mg/L)	Date Analyzed	Notes
TVH as Gasoline TPH as Gasoline TEH as Diesel Benzene Toluene Ethylbenzene Total Xylenes	6	2	-	03-03-88	NR NR NR NR NR NR

mg/kg = milligrams per kilogram = parts per million (ppm).

mg/L = milligrams per liter = ppm.

= Not detected. Compound(s) may be present at ИD

concentrations below the detection limit.

= Analysis not required. NR

PROCEDURES

TVH/BTEX--Total volatile hydrocarbons (TVH) and benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction according to EPA Method 5030 followed by analysis by a EPA Method 8020/602 (modified for TVH) which uses a gas chromatograph (GC) equipped with a photo-ionization detector (PID) and a flame-ionization detector (FID) in series. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TPH--Total petroleum hydrocarbons (low-to-medium boiling points) are measured by extraction according to EPA Method 5030 followed by analysis by a modified EPA Method 8015 which uses a GC equipped with an FID. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TEH--Total extractable hydrocarbons (high boiling points) are measured by extraction according to EPA Method 3550 for soils or EPA Method 3510 for water followed by a modified EPA Method 8015 . with direct sample injection into a GC equipped with an FID.

Tia Tran, Laboratory Supervisor

3-14-88 Date Reported

APPLIED GEOSYSTEMS IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY



43255 Mission Boulevard, Fremont, CA 94539 (415) 651-1906

FREMONT

COSTA MESA

SACRAMENTO

HOUSTON

ANALYSIS REPORT

0212lab.frm

Report Prepared for: Applied GeoSystems

43255 Mission Blvd. Fremont, CA 94539

Attention: John T. Lambert

Date Received:

2-26-88 Laboratory Number: 02056W01 Project: 018016-1

Sample: Matrix:

W-6.5-T6Water

Parameter `	Resu (mg/kg)	ılt (mg/L)	Detection (mg/kg)	on Limit (mg/L)	: Date Analyzed	Notes
TVH as Gasoline TPH as Gasoline TEH as Diesel Benzene Toluene Ethylbenzene Total Xylenes		64.0 0.51 0.94 0.21 1.23		0.005 0.005	3-08-88 3-03-88 3-03-88 3-03-88 3-03-88	NR NR

mg/kg = milligrams per kilogram = parts per million (ppm).

= milligrams per liter = ppm.

= Not detected. Compound(s) may be present at ND

concentrations below the detection limit.

= Analysis not required. NR

PROCEDURES

TVH/BTEX--Total volatile hydrocarbons (TVH) and benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction according to EPA Method 5030 followed by analysis by a EPA Method 8020/602 (modified for TVH) which uses a gas chromatograph (GC) equipped with a photo-ionization detector (PID) and a flame-ionization detector (FID) in series. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TPH--Total petroleum hydrocarbons (low-to-medium boiling points) are measured by extraction according to EPA Method 5030 followed by analysis by a modified EPA Method 8015 which uses a GC equipped with an FID. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TEH--Total extractable hydrocarbons (high boiling points) are measured by extraction according to EPA Method 3550 for soils or EPA Method 3510 for water followed by a modified EPA Method 8015 with direct sample injection into a GC equipped with an FID.

Tia Tran, Laboratory Supervisor

3-14-88

Date Reported



43255 Mission Boulevard, Fremont, CA 94539 (415) 651-1906

FREMONT

COSTA MESA

SACRAMENTO

HOUSTON

ANALYSIS REPORT

0212lab.frm

Report Prepared for:

Applied GeoSystems 43255 Mission Blvd.

Fremont, CA 94539

Attention: John T. Lambert

Date Received:

2-26-88 Laboratory Number:02056W02

Project:

018016-1 W - 7 - T3

Sample: Matrix:

Water

Parameter -	Resu (mg/kg)		Detection (mg/kg)		Date Analyzed	Notes
TVH as Gasoline TPH as Gasoline TEH as Diesel Benzene Toluene Ethylbenzene Total Xylenes		0.40		0.05	03-08-88	NR NR NR NR NR NR

mg/kg = milligrams per kilogram = parts per million (ppm).

= milligrams per liter = ppm.

= Not detected. Compound(s) may be present at

concentrations below the detection limit.

= Analysis not required. NR

PROCEDURES

TVH/BTEX--Total volatile hydrocarbons (TVH) and benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction according to EPA Method 5030 followed by analysis by a EPA Method 8020/602 (modified for TVA) which uses a gas chromatograph (GC) equipped with a photo-ionization detector (PID) and a flame-ionization detector (FID) in series. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TPH--Total petroleum hydrocarbons (low-to-medium boiling points) are measured by extraction according to EPA Method 5030 followed by analysis by a modified EPA Method 8015 which uses a GC equipped with an FID. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TEH--Total extractable hydrocarbons (high boiling points) are measured by extraction according to EPA Method 3550 for soils or EPA Method 3510 for water followed by a modified EPA Method 8015 with direct sample injection into a GC equipped with an FID.

Tia Tran, Laboratory Supervisor

3-14-88 Date Reported

APPLIED GEOSYSTEMS IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY



43255 Mission Boulevard, Fremont, CA 94539 (415) 651-1906

FREMONT

COSTA MESA

SACRAMENTO

HOUSTON

ANALYSIS REPORT

0212lab.frm

Report Prepared for:

Applied GeoSystems

43255 Mission Blvd. Fremont, CA 94539

Attention: John T. Lambert

Date Received:

Laboratory Number: 02057S02 Project: 018016-1

Sample: Matrix:

018016-1 S-4.5-T6NE

2-26-88

Soil

Parameter -	Resi (mg/kg)	Detection (mg/kg)	on Limit (mg/L)	, Date Analyzed	Notes
TVH as Gasoline TPH as Gasoline TEH as Diesel Benzene Toluene Ethylbenzene Total Xylenes	1100	5		03-02-88	NR NR NR NR NR NR

mg/kg = milligrams per kilogram = parts per million (ppm).

mg/L = milligrams per liter = ppm.

ND = Not detected. Compound(s) may be present at

concentrations below the detection limit.

NR = Analysis not required.

PROCEDURES

TVH/BTEX--Total volatile hydrocarbons (TVH) and benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction according to EPA Method 5030 followed by analysis by a EPA Method 8020/602 (modified for TVH) which uses a gas chromatograph (GC) equipped with a photo-ionization detector (PID) and a flame-ionization detector (FID) in series. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TPH--Total petroleum hydrocarbons (low-to-medium boiling points) are measured by extraction according to EPA Method 5030 followed by analysis by a modified EPA Method 8015 which uses a GC equipped with an FID. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TEH--Total extractable hydrocarbons (high boiling points) are measured by extraction according to EPA Method 3550 for soils or EPA Method 3510 for water followed by a modified EPA Method 8015 with direct sample injection into a GC equipped with an FID.

Tia Tran, Laboratory Supervisor

3-14-88_

Date Reported

43255 Mission Boulevard, Fremont, CA 94539 (415) 651-1906

FREMONT

COSTA MESA

SACRAMENTO

HOUSTON

ANALYSIS REPORT

0212lab.frm

Report Prepared for: Applied GeoSystems 43255 Mission Blvd.

Laboratory Number: 02057S01 Project:

Date Received:

018016-1

2-26-88

Fremont, CA 94539 Attention: John T. Lambert Sample:

S-5.5T6SE

Matrix:

Soil

Parameter	Resu (mg/kg)	Detection (mg/kg)	Date Analyzed	Notes
TVH as Gasoline TPH as Gasoline TEH as Diesel Benzene Toluene Ethylbenzene Total Xylenes	ЙD	5	03-02-88	NR NR NR NR NR

mg/kg = milligrams per kilogram = parts per million (ppm).

mg/L = milligrams per liter = ppm.

= Not detected. Compound(s) may be present at

concentrations below the detection limit.

= Analysis not required. NR

PROCEDURES

TVH/BTEX--Total volatile hydrocarbons (TVH) and benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) are measured by extraction according to EPA Method 5030 followed by analysis by a EPA Method 8020/602 (modified for TVH) which uses a gas chromatograph (GC) equipped with a photo-ionization detector (PID) and a flame-ionization detector (FID) in series. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TPH--Total petroleum hydrocarbons (low-to-medium boiling points) are measured by extraction according to EPA Method 5030 followed by analysis by a modified EPA Method 8015 which uses a GC equipped with an FID. Soil extracts and water samples are subjected to purge-and-trap introduction into the GC.

TEH--Total extractable hydrocarbons (high boiling points) are measured by extraction according to EPA Method 3550 for soils or EPA Method 3510 for water followed by a modified EPA Method 8015 with direct sample injection into a GC equipped with an FID.

Tia Tran, Laboratory Supervisor

3-14-88

Date Reported

APPLIED GEOSYSTEMS IS CERTIFIED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY

٠	CITY OF OAKLAND REPORT OF FIRE INSPECTI	ON	ENGIN	E CO.
ADDRESS	4300 Eastshore Highwa	<u>. 4</u>	<u></u>	
NAME T	Barbary Coast Steel / W.	A. Craig	Inc	
GENERAL INSPECTION	DERMIT HAZARD		HAZAR ABATE	
NOTICE LEF	1st NOTICE 2nd NOT	ICE	FINAL	· · · · · · · · · · · · · · · · · · ·
DATE	VIOLATION		D.F.C.	CONTACTED
<u>3-15-88</u>	Witnessed Removal + Ba	· .		Craig.
	Of One 12,000 Gallon Diesel	Fiberglass		<u>, </u>
	Tank. Some Product Was Pres	ent But		
	I+ Was Due To Dil From The	ansite	-	
	Plant Cooling Tower That Spil	ledoverfl	منعوطا	
A REINSPE	CTION WILL BE MADE WITHIN DAYS.	•		•
338-5 (Rev.	ブノス ののこのこと	. Spike	۰, <u>ح</u>	····
	CITY OF OAKLAND REPORT OF FIRE INSPEC	TION	ENG	INE CO.
ADDRES	s 4300 Eastshore High	LAME		209
NAME	Barbary Coast Ste	eliWA). Cx	aig Inc
GENERAL INSPECTION	PERMIT DY HAZARD		HAZA ABAT	
NUTICE LI	EFT Ist NOTICE 2nd NO	TICE	FINAL	
DATE	VIOLATION		O.F.C.	CONTACTED
3-15-8	Witnessed Removal Of Or	~ 16,000		Craig
	Gallons And Two 1200 Gallons	Tanks		
	With No Leaks Present At T	his		
	Time.			
			-	
A REINSP	ECTION WILL BE MADE WITHIN DAYS.			
The state	FIRE PREVENTION BUREA	u — PHONE 273-3	851	

ب ومساعد الله												
ENGINE CO.	20.9	68 GE		CONTACTED	32 64	Craig						
ENG	7	A CA HAZARD ABATED	FINAL	O.F.C.		40))					-3851	
CITY OF OAKLAND REPORT OF FIRE INSPECTION	ADDRESS 4300 Eastshore High-upy	GENERAL TY PERMIT THE NOTED DITHER OTHER NOTED		VIOLATION	TALL TO THE TALL THE	3-15-88 Witnessed Removal DE Due \$ pico Gallon	Diesel or One \$ 000 Gallon Gasoline	Tank With Mines Contamination	OF The Soil From The Spilled	Product That Was Present In The Spil	A REINSPECTION WILL BE MADE WITHIN DAYS. FIRE PREVENTION BUREAU - PHONE 273-3851	338-5 (Rev. 5-77) INSPECTOR OL T. Sp. K.C.

Burnella Control of the Control of t

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY DEPARTMENT OF ENVIRONMENTAL HEALTH HAZARDOUS MATERIALS DIVISION 470 - 27TH ST., RM. 322 CA OAKLAND, 94612

PHONE NO. 415/874-7237

THERE IS, A FINANCIAL PENALTY FOR NO these accepted plans must be on the s must be on the job craftsmen involved <u>~</u> closure/modification plans 1. Business Name Bowlery COAST Steel Business Owner Birmingkown Steel Corp. 2. Site Address 4300 Cast Shore Huy city <u>Cueryville</u> zip 94623 Phone 415-596-2329 3. Mailing Address <u>SAME</u> City _____ Zip ____ Phone _____ 4. Land Owner SAME Address _____ City, State ____ Zip ____ 5. EPA I.D. No. CADO09/33489 6. Contractor W.A. Craig, INC. Address 912 Harbour why souls. city Richmond, Ca. 94804 Phone 415-231-0669 License Type <u>A</u> ID# <u>455757</u> 7. Other (Specify) Address ____

Phone

City

8. Contact Person for Investigation
Name Bill Craig Title owner/contractor
Phone Pages # 415-620-7244
9. Total No. of Tanks at facility 6
10. Have permit applications for all tanks been submitted to this office? Yes [] No []
11. State Registered Hazardous Waste Transporters/Facilities
a) Product/Waste Tranporter
Name H+H Ship Service EPA I.D. No. CADOOH771168
Address 220 China Barin-
city <u>S.F.</u> state <u>CA.</u> zip <u>94/07</u>
b) Rinsate Transporter
Name NONE EPA I.D. No.
Address
City State Zip
c) Tank Transporter
Name Hatt Ship Service EPA I.D. No. CADOOH4771168
Address 220 China Baguin
city <u>S.F.</u> state <u>CA.</u> zip <u>94107</u>
d) Contaminated Soil Transporter
Name NONE EPA I.D. No.
Address
City State Zip
12. Sample Collector Name Draw Winkwall
Address 43255 Mission Blud. Suite B.
city state CA. zip 94539 Phone 415-651-1906

13. Sampling Information for each tank or area

Tank or Area	1	Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
niw	be Juppli	ed by	Applied Geosys
14 Hoyo ta	nks or pipes leaked	in the mast? Ye	as [] No 🔀
	describe.	In the past.	
	thods used for render describe. 15 lbs		Yes pa No []
16. Laborat Name	Applied Geo	Systems Vission Blu	rd Svite B.
city _	Travalt	State CA	

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
To be	Sy smitted	by Applied Geo Syste
	·	

- 18. Site Safety Plan submitted? Yes [M No []
- 19. Workman's Compensation: Yes [N No [] > Policy #

 Copy of Certificate enclosed? Yes [] No [A V

 Name of Insurer Industrial Indemnity WH8990214

 We will Submit copy of Policy—
- 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 soley the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

/
PII Journe
•
•

NOTES:

- 1. 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.
- 3. Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.
- 4. A copy of your approved plan must be sent to the landowner.

UNIFORM HAZARDOUS 1. Generator's US El		Manifest		- Marie		en ir i	Secreme	ad are	in his said.	
WASTE MANIFEST		Document No.	1		a gol re	dulred	by Fede	ral law		Ī
Generator's Name and Malling Address	,,,,,,,,	,,,,,,	18	Manifest AD/F	Docume	I D C	9	4	44	
ARBARY COAST STEEL CO	RP.	22	W.	e General	200	100	SE SE	200	120	3
Generator AND FASTSHORE HE	UY EMERYVIII	ECA			爾門	77		11		1
transporter i Company Nume	US EPA ID Numbe	H.	G. 1816	le Transpo	de(AP	902	HES	4		4
H-H-SHIP SERVICE S	Alphalalalalala	1116	D. Die	e Franco		5.64	(3.4)			in the
Transporter 2 Company Name	1 1 1 1 1 1 1 1	2	P. Trac	neporter's	Phone:		AND LAND	10.679	1.00	
Designated Facility Name and Site Address - 75 10.	US EPA ID Numbe	ır	0.64	e Pacifity	P		公 人們	No.		7.3
H+H SHIP SERVICE 120C	HINA BASIN	40	882	ALC: U	7	الماد				
AN FRANCISCO, CA	أسكام أحام 170 ما	311110	20							獲
	اختر المأصام المال	12. Conta	inera	13. To	(a)	14. Unit		7		1
US DOT Description (including Proper Shipping Name, Hazard (Class, and ID Number)	No.	Type	1900	mult	Wt/Vol	1000		er datum er	AND MARKET
EMPTY DESELTANK WAS	STE CONBUSTIRE	E	- 1	4.0	134		A CONTRACTOR		2 X	
LI QUID NA 1270:		DIDIL	TO	(17)	ماما	GA	EPA/O			No.
19010 1911 1810		Cicis	111	-140	00		State (1
			1	マミソカ	. 40	1	EPA/O	1536-0		3.9
A G T () () () () () () () () () (1 9	1214	11)	*	State		Maria de la compania del compania del compania de la compania del compania de la compania de la compania del compania de la compania de la compania de la compania de la compania del compa	1
an ha	1.4				3.		EPA/OI	han al		A
S I was		1.1		LL	LL		计算制度	NAME OF	灣島	
375		٧	100	Test of			State 2			
				with the			EPA/OU	hor +	约先进	
		1.1	1.1	1 L	1.1.		一大: 地東	光 海引	社會不	. *
Additional Descriptions for Materials Listed Above		TE SE SECTION	K, Har	1 1	h for Wa	ates Li	eted Abo	**************************************		
Additional Descriptions for Materials Listed Above	TANK WITH	LESS	K Ha	1 L	1,J w.	ates U	eted Abo			
NDERGROUND STORAGE	TANK WITH	\ LESS	K Har	dling Code	l l w	ates U	eted Abo			
NDERGROUND STORAGE	TANK WITH	کتا ۱ کتا ۱	K Ha	L L	i i i w	alos U	eled Abo			
NDERGROUND STORAGE ANN 1010 RESIDUAL LIQUIT	TANK WITH	LESS	X E	ndling Code	i i v	alos U	mled Abo			
NDERGROUND STORAGE ANN 190 RESIDUAL LIQUID Special Handling Instructions and Additional Information	TANK WITH OUNTANK	A LESS	K. Har	ndling Code	L L W	actor U	ated Abo			
NDERGROUND STORAGE ANN 1010 RESIDUAL LIQUIT	TANK WITH	LESS	X Ha	ndling Code	I I	action U	ated Abo			
NDERGROUND STORAGE AN 190 RESIDUAL SIQUIT Special Handling Instructions and Additional Information GGOVES		2					ated About	***		
Special Handling Instructions and Additional Information GOVCS GENERATOR'S CERTIFICATION: I hereby declare that the name and are classified, packed, marked, and labeled, as	a contents of this consignment	and are fully as	a accum	ately dea	cribed a	bove b	y proper	shippin	o e	
Special Handling Instructions and Additional Information GCOVCS GENERATOR'S CERTIFICATION: I hereby declare that the name and are classified, packed, marked, and labeled, an international and national government regulations. It is management to provide the state of the state	e contents of this consignment are in all respects in proportions in place to reduce the	ent are fully ar oper condition	a daccur for train	rately despaport by	cribed a highway	bove by accorded to III	ting to a	e I have		
Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare that the name and are classified, packed, marked, and labeled, as international and national government regulations. If I am a large quantity generator, I certify that I have a prodetermined to be economically practicable and that I have as which minimizes the creams and uture threat to human which minimizes the creams and uture threat to human and the second and that I have a product of the second and the sec	e contents of this consignment are in all respects in pro-	ent are fully at oper condition ine volume and method of tre-	a accurrent toxicity atment, a ament	rately desinaport by of waste storage, il quantity	cribed al highway generator dispos	bove by accorded to II sal curror, I he	ne degre rently av	e I have allable	e 10	
Special Handling Instructions and Additional Information GLOVES GENERATOR'S CERTIFICATION: I hereby declare that the name and are classified, packed, marked, and labeled, as international and national government regulations. If I am a large quantity generator, I certify that I have a prodetermined to be economically practicable and that I have a which minimizes the creams and uture threat to human which minimizes the creams and uture threat to human which minimizes the creams and uture threat to human and the second and that threat to human which minimizes the creams and uture threat to human and the second and	e contents of this consignment are in all respects in pro-	ent are fully at oper condition ine volume and method of tre-	a accurrent toxicity atment, a ament	rately desinaport by of waste storage, il quantity	cribed al highway generator dispos	bove by accorded to II sal curror, I had	ting to a he degre rently av- ive made ord.	e i have allable a goo	e to d	
Special Handling Instructions and Additional Information GLOVES GENERATOR'S CERTIFICATION: I hereby declare that the name and are classified, packed, marked, and labeled, as international and national government regulations. If I am a large quantity generator, I certify that I have a prodetermined to be economically practicable and that I have me which minimizes the present and future threat to huma faith effort to minimize my waste generation and select the	e contents of this consignment are in all respects in pro-	ent are fully at oper condition ine volume and method of tre-	a accurrent toxicity atment, a ament	rately desinaport by of waste storage, il quantity	cribed al highway generator dispos	bove by accorded to II sal curror, I had	ne degre rently av	e i have allable a goo	e 10	
Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare that the name and are classified, packed, marked, and labeled, as international and national government regulations. If I am a large quantity generator, I certify that I have a prodetermined to be economically practicable and that I have me which minimizes the present and future threat to huma faith effort to minimize my waste generation and select the ted/Typed Name	e contents of this consignment are in all respects in pro- ogram in place to reduce the selected the practicable in health and the environment best waste management me	ent are fully at oper condition ine volume and method of tre-	a accurrent toxicity atment, a ament	rately desinaport by of waste storage, il quantity	cribed al highway generator dispos	bove by accorded to II sal curror, I had	ting to a he degre rently av- ive made ord.	e i have allable a goo	e to d	
Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare that the name and are classified, packed, marked, and labeled, an international and national government regulations. If I am a large quantity generator, I certify that I have a prodetermined to be economically practicable and that I have me which minimizes the present and future threat to huma faith effort to minimize my waste generation and select the ted/Typed Name Transporter 1 Acknowledgement of Receipt of Materials	e contents of this consignment are in all respects in pro- ogram in place to reduce the selected the practicable in health and the environment best waste management me	ent are fully at oper condition ine volume and method of tre-	a accurrent toxicity atment, a ament	rately desinaport by of waste storage, il quantity	cribed al highway generator dispos	bove by accorded to II sal curror, I had	ting to a medical depresentity average made ord.	e I have ellable e a goo	e to d	
Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare that the name and are classified, packed, marked, and labeled, an international and national government regulations. If I am a large quantity generator, I certify that I have a prodetermined to be economically practicable and that I have me which minimizes the present and luture threat to huma faith effort to minimize my waste generation and select the ted/Typed Name Transporter 1 Acknowledgement of Receipt of Materials ted/Typed Name	e contents of this consignment are in all respects in propagam in place to reduce the selected the practicable in health and the environment best waste management medical selections.	ent are fully at oper condition ine volume and method of tre-	a accurrent toxicity atment, a ament	rately desinaport by of waste storage, il quantity	cribed al highway generator dispos	bove by accorded to II sal curror, I had	ting to a medical depresentity average made ord.	e I have ellable e a goo	o 10 d	
Special Handling Instructions and Additional Information GLOVES GENERATOR'S CERTIFICATION: I hereby declare that the name and are classified, packed, marked, and labeled, an international and national government regulations. If I am a large quantity generator, I certify that I have a prodetermined to be economically practicable and that I have me which minimizes the present and future threat to huma faith effort to minimize my waste generation and select the ted/Typed Name Transporter 1 Acknowledgement of Receipt of Materials ted/Typed Name	e contents of this consignment are in all respects in property of the practicable in health and the environment best waste management medical signature.	ent are fully at oper condition ine volume and method of tre-	a accurrent toxicity atment, a ament	rately desinaport by of waste storage, il quantity	cribed al highway generator dispos	bove by accorded to II sal curror, I had	he degree rently averaged with the made ord. Month Month Month	Day 1	roar Year	
Special Handling Instructions and Additional Information GOUCS GENERATOR'S CERTIFICATION: I hereby declare that the name and are classified, pecked, marked, and labeled, an international and national government regulations. If I am a large quantity generator, I certify that I have a prodetermined to be economically practicable and that I have me which minimizes the present and future threat to huma faith effort to minimize my waste generation and select the ted/Typed Name Transporter 1 Acknowledgement of Receipt of Materials ted/Typed Name	e contents of this consignment are in all respects in propagam in place to reduce the selected the practicable in health and the environment best waste management medical selections.	ent are fully at oper condition ine volume and method of tre-	a accurrent toxicity atment, a ament	rately desinaport by of waste storage, il quantity	cribed al highway generator dispos	bove by accorded to II sal curror, I had	he degree rently averaged with the made ord. Month Month Month	Day Day	o 10 d	
Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare that the name and are classified, packed, marked, and labeled, an international and national government regulations. If I am a large quantity generator, I certify that I have a production of the pr	e contents of this consignment are in all respects in property of the practicable in health and the environment best waste management medical signature.	ent are fully at oper condition ine volume and method of tre-	a accurrent toxicity atment, a ament	rately desinaport by of waste storage, il quantity	cribed al highway generator dispos	bove by accorded to II sal curror, I had	he degree rently averaged with the made ord. Month Month Month	Day 1	roar Year	
Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare that the name and are classified, packed, marked, and labeled, an international and national government regulations. If I am a large quantity generator, I certify that I have a prodetermined to be economically practicable and that I have me which minimizes the present and future threat to huma faith effort to minimize my waste generation and select the ted/Typed Name Transporter 1 Acknowledgement of Receipt of Materials ted/Typed Name Transporter 2 Acknowledgement by Receipt of Materials ted/Typed Name	e contents of this consignment are in all respects in property of the practicable in health and the environment best waste management medical signature.	ent are fully at oper condition ine volume and method of tre-	a accurrent toxicity atment, a ament	rately desinaport by of waste storage, il quantity	cribed al highway generator dispos	bove by accorded to II sal curror, I had	he degree rently averaged with the made ord. Month Month Month	Day 1	roar Year	
Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare that the name and are classified, packed, marked, and labeled, an international and national government regulations. If I am a large quantity generator, I certify that I have a prodetermined to be economically practicable and that I have me which minimizes the present and future threat to huma faith effort to minimize my waste generation and select the ted/Typed Name Transporter 1 Acknowledgement of Receipt of Materials ted/Typed Name Transporter 2 Acknowledgement by Receipt of Materials ted/Typed Name	e contents of this consignment are in all respects in property of the practicable in health and the environment best waste management medical signature.	ent are fully at oper condition ine volume and method of tre-	a accurrent toxicity atment, a ament	rately desinaport by of waste storage, il quantity	cribed al highway generator dispos	bove by accorded to II sal curror, I had	he degree rently averaged with the made ord. Month Month Month	Day 1	roar Year	
Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare that the name and are classified, packed, marked, and labeled, an international and national government regulations. If I am a large quantity generator, I certify that I have a prodetermined to be economically practicable and that I have me which minimizes the present and future threat to huma faith effort to minimize my waste generation and select the sted/Typed Name Transporter 1 Acknowledgement of Receipt of Materials and Typed Name Transporter 2 Acknowledgement of Receipt of Materials and Typed Name Discrepancy Indication Space	e contents of this consignment are in all respects in property of the practicable in health and the environment best waste management medical signature. Signature Signature	ent are fully ar oper condition in volume and method of treinit; OR, if I am ethod that is a	a daccur for tree toxicity atment, a a small able	rately desinated by of waste storage, ill quantity to me an	cribed al highway generator dispongenerat d that i o	bove by accorded to II sal curror, I had	he degree rently averaged with the made ord. Month Month Month	Day 1	roar Year	
Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare that the name and are classified, packed, marked, and labeled, an international and national government regulations. If I am a large quantity generator, I certify that I have a prodetermined to be economically practicable and that I have me which minimizes the present and future threat to huma faith effort to minimize my waste generation and select the sted/Typed Name Transporter 1 Acknowledgement of Receipt of Materials inted/Typed Name Transporter 2 Acknowledgement of Receipt of Materials inted/Typed Name	e contents of this consignment are in all respects in property of the practicable in health and the environment best waste management medical signature. Signature Signature	ent are fully ar oper condition in volume and method of treinit; OR, if I am ethod that is a	a daccur for tree toxicity atment, a a small able	rately desinated by of waste storage, ill quantity to me an	cribed al highway generator dispongenerat d that i o	bove by accorded to II sal curror, I had	ting to a the degree rently average ord. Month Month Month	e I have allable a good	roar Year	

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA II	Doc	lanifest ument No.		Informati is not re	quired	
3. Generator's Name and Mailing Address Box boxy Const effect C 4000 horst security Const	Superotic~				8743	478	3
4. Generator's Phone (415) 596	2300			er	Jane 	15	STATISTICS OF
5. Transporter 1 Company Name	• •	US EPA ID Number	/ 9	11.0	te Transporter's IQ	40	047
7. Transporter 2 Company Name	ice ici	US EPA 10 Number	1/100		e Transporter a IP	of William	
		<u> </u>		C1-1(4)	Sporter a Priorie	A HELITA	AND THE PROPERTY OF A STREET
9. Designated Facility Name and Site Address H4H 5 Hip SCAUICE		US EPA ID Number				16	
SAN FRANCISCO CA		90101014171711	1618		13. Total	40	16. 13.20 10.
11. US DOT Description (Including Proper Sh	The state of the second	s, and ID Number)	No.	Type	Quantity	Unit Wt/Vo	e kalimir kos
THE TOTAL STATE OF THE PARTY OF	onste Liqui	DRM-E		-	1977 H	C	EPA(O)
N/A 9189	M. T. J. T.	9 1	901	IT	95000	70	SUNTANTON OF
b. /	170	100	11.5		4.4.1		沙里性 阿拉
- 10 m	5 (17) KH		20.0	1	1171		EPA/Other
			11	-			State Control
c							EPA/Other 2
	000 a 00		111		1111		人工出版的
d						- 12	State
			22.55	0			EPA/Other
Darek - 1170	2000年1000年1000年1000年1000年1000年1000年100日		24	-	Action white	4	A THE PARTY OF THE
Ditsel-20%				P. 1		4	
DitseL-2090 GAS - 3% 15. Special Handling Instructions and Addition	onal information			見 か		4	
DitseL-2070 GAS - 3% 15. Special Handling Instructions and Addition	onal information			B.		4	
GLOVES				9.50		4	
GACUES 16. GENERATOR'S CERTIFICATION: I h name and are classified, packed, ma international and national government II I am a large quantity generator, I c determined to be economically pract	ereby declare that the c irked, and labeled, and regulations. ertify that I have a progr icable and that I have a	are in all respects in prop am in place to reduce the elected the practicable in	volume and	toxicity	y of waste general storage, or disp	ited to to sail cu	the degree I have mently available to ave made a good
GLCIPS 16. GENERATOR'S CERTIFICATION: I h name and are classified, packed, ma international and national government If I am a large quantity generator, I c	ereby declare that the c irked, and labeled, and regulations. ertify that I have a progr icable and that I have a	are in all respects in prop- am in place to reduce the elected the practicable in- ealth and the environment at waste management met	volume and ethod of tre ; OR, if I ar hod that is	toxicity	y of waste general storage, or disp	ited to to sail cu	the degree I have rrently available t save made a good ford. Month Day Y
GENERATOR'S CERTIFICATION: I h name and are classified, packed, ma international and national government If I am a large quantity generator, I c determined to be economically pract mo which minimizes the present and taith effort to minimize my waste gene	ereby declare that the curked, and labeled, and regulations. ertify that I have a progricable and that I have a future threat to human heration and select the be	are in all respects in prop am in place to reduce the elected the practicable in lealth and the environment at waste management met	volume and ethod of tre ; OR, if I ar hod that is	toxicity	y of waste general storage, or disp	ited to to sail cu	the degree I have rrently available t save made a good ford. Month Day Y
GENERATOR'S CERTIFICATION: I h name and are classified, packed, ma international and national government If I am a large quantity generator, I c determined to be economically pract me which minimizes the present and taith effort to minimize my waste gene Printed/Typed Name	ereby declare that the carked, and labeled, and regulations. ertify that I have a progracable and that I have a truer threat to human heration and select the be	are in all respects in prop- am in place to reduce the elected the practicable in- ealth and the environment at waste management met	volume and ethod of tre ; OR, if I ar hod that is	toxicity	y of waste general storage, or disp	ited to to sail cu	the degree I have reently available to lave made a good lord. Month Day Y
GACIPES 16. GENERATOR'S CERTIFICATION: I hear and are classified, packed, mainternational and national government. If I am a large quantity generator, I of determined to be economically pract mo which minimizes the present and taith effort to minimize my waste generated typed Name. Printed/Typed Name Tobri G William 17. Transporter 1 Acknowledgement of Rec. Printed/Typed Name Delicit Genesic	ereby declare that the curked, and labeled, and regulations. ertify that I have a progricable and that I have a future threat to human heration and select the beside of Materials.	are in all respects in prop- am in place to reduce the elected the practicable in- ealth and the environment at waste management met	volume and ethod of tre ; OR, if I ar hod that is	toxicity	y of waste general storage, or disp	ited to to sail cu	the degree I have rrently available t lave made a good ford.
GLCLIPS 16. GENERATOR'S CERTIFICATION: I he name and are classified, packed, mainternational and national government. If I am a large quantity generator, I conference of the present and taith effort to minimize my waste generated. Typed Name Printed/Typed Name 17. Transporter 1 Acknowledgement of Recommendation of the printed of th	ereby declare that the curked, and labeled, and regulations. ertify that I have a progricable and that I have a future threat to human heration and select the beside of Materials.	are in all respects in proparation place to reduce the elected the practicable moved that waste management met Signature	volume and ethod of tre ; OR, if I ar hod that is	toxicity	y of waste general storage, or disp	ited to to sail cu	the degree I have rrently available to lave made a good ford. Month Day Y Month Day Y Month Day Y
GACIPES 16. GENERATOR'S CERTIFICATION: I hear and are classified, packed, mainternational and national government. If I am a large quantity generator, I of determined to be economically pract mo which minimizes the present and taith effort to minimize my waste generated typed Name. Printed/Typed Name Tobri G William 17. Transporter 1 Acknowledgement of Rec. Printed/Typed Name Delicit Genesic	ereby declare that the curked, and labeled, and regulations. ertify that I have a progricable and that I have a future threat to human heration and select the beside of Materials.	am in place to reduce the elected the practicable movealth and the environment at waste management met	volume and ethod of tre ; OR, if I ar hod that is	toxicity	y of waste general storage, or disp	ited to to sail cu	the degree I have reently available I lave made a good ford. Month Day Y 1912 1111
GLCLIPS 16. GENERATOR'S CERTIFICATION: I he name and are classified, packed, mainternational and national government. If I am a large quantity generator, I conference of the present and taith effort to minimize my waste generated. Typed Name Printed/Typed Name 17. Transporter 1 Acknowledgement of Recommendation of the printed of th	ereby declare that the curked, and labeled, and regulations. ertify that I have a progricable and that I have a future threat to human heration and select the beside of Materials.	are in all respects in proparation place to reduce the elected the practicable moved that waste management met Signature	volume and ethod of tre ; OR, if I ar hod that is	toxicity	y of waste general storage, or disp	ited to to sail cu	the degree I have reently available I lave made a good ford. Month Day Y 1912 1111
GENERATOR'S CERTIFICATION: I h name and are classified, packed, ms international and national government If I am a large quantity generator, I c determined to be economically pract me which minimizes the present and taith effort to minimize my waste gene Printed/Typed Name Tobari G William 17. Transporter 1 Acknowledgement of Rec Printed/Typed Name 18. Transporter 2 Acknowledgement of Rec Printed/Typed Name	ereby declare that the curked, and labeled, and regulations. ertify that I have a progricable and that I have a future threat to human haration and seject the beautiful of Materials.	are in all respects in proparties in place to reduce the elected the practicable movealth and the environment at waste management met Signature Signature Signature	volume and ethod of tre ; OR, if I ar hod that is	I toxicity atment, in a smile available	y of waste general storage, or disp all quantity general to me and that	ited to to sail cu	the degree I have reently available to lave made a good ford. Month Day Y 0 2 2 4 5 Month Day Y 0 2 2 4 5

allomia—Health and Wellare A longy oved OMB No. 2050—0039 (E pires 9-30-85)			To	Department xiq Substant Bat		
UNIFORM HAZARDOUS	enifest ment No.		age 1 Informat	igs in the s	haded ar	
WASTE MANIFEST CIAIDOIO91113131418193141819			e Manifest Docume	Name and Address of the Owner, where the Owner, which the	湯質	\$40
4300 est shere Hur, e meruville	. Ca	8. Sta	a Generator a D	4881		
Generator's Phone ()		C. Sta	te Transporter's 6	CP PAF	0	10 m
Transporter 1 Company Name H+H Ship Service ICIAIDOI0141717111	168		neportace Phone			
Transporter 2 Company Name B. US EPA'ID Number		II. Bto	e Transporter o 19	10 m (4) 10		
Devices ted Facility Name and Site Address 10. US EPA ID Number	11	G. Sta	in Facility's 10 and	TO STATE OF	Section 4 to	Parties.
Poolgraphod Facility Name and Site Address H+HSHIP SERVICE 220 CHINA BASIN SINFRANCISCO, ON 94107		117		-10311	100	
111111111111111111111111111111111111111	12. Contr	THE STATE OF	18. Total Tuni	上14 日本		
US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	No.	Тура	Quantity 10	Unit W1/You	elland.	
, Aprox 12 Cu. Ct SAturated		-	THE STATE OF			機器
1. BAY of Hidiocarban Alosonbent MAS	1.1	1	1-1-1-1	器	COD MAN	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		17.	31.63	190		
		- 株		鳳	TO MAKE	
		1		914	1	
	V04.7 - V0			更	A/Other	
		1	$_{\rm III}$	Sta	to e za	TANK TO
				135 EP	A7Other	经过户经济 2003年4
	1.1	1	dling Codes for W	220	域制的	E Hall
		d O		•		
Special Mandling Instructions and Additional Information				8° 4 T	8.	- 43
S. Special Handling Instructions and Additional Information CLOVES					- 17	
Gaves .	olume and hod of tre OR, if I ar	toxicity	of waste general storage, or dispo	ted to the dosal currentl	egree I ha	ve o to
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment name and are classified, packed, marked, and labeled, and are in all respects in proper international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the videtermined to be economically practicable and that I have selected the practicable met me which minimizes the present and future threat to human health and the environment; faith effort to minimize my waste generation and select the best waste management method.	olume and hod of tre OR, if I ar	toxicity	of waste general storage, or dispo	ted to the dosal currentl	egree I hay svailable	ve o to
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment name and are classified, packed, marked, and labeled, and are in all respects in proper international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the widetermined to be economically practicable and that I have selected the practicable met me which minimizes the present and future threat to human health and the environment; taith effort to minimize my waste generation and select the best waste management method inted/Typed Name Signature	olume and hod of tre OR, if I ar	toxicity	of waste general storage, or dispo	ted to the dosal current tor, I have can afford.	egree I hay svailable	ve e to ood
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment name and are classified, packed, marked, and labeled, and are in all respects in proper international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the videtermined to be economically practicable and that I have selected the practicable met me which minimizes the present and future threat to human health and the environment; faith effort to minimize my waste generation and select the best waste management method inted/Typed Name Fransporter 1 Acknowledgement of Receipt of Materials Inted/Typed Name Signature Signature	olume and hod of tre OR, if I ar od that is	toxicity satment, m a sma available	of waste general storage, or dispo	ted to the dosal current tor, I have can afford.	egree I hay svailable made a go	ve e to ood
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment name and are classified, packed, marked, and tabeled, and are in all respects in proper international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the widetermined to be economically practicable and that I have selected the practicable met me which minimizes the present and future threat to human health and the environment; faith effort to minimize my waste generation and select the best waste management method inted/Typed Name Transporter 1 Acknowledgement of Receipt of Materials Signature Signature Signature Signature	olume and hod of tre OR, if I ar	toxicity satment, m a sma available	of waste general storage, or dispo	ted to the desal current tor, I have can afford.	egree I he y svailable made a go the Day oth Day oth Day oth Day	Year
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment name and are classified, packed, marked, and labeled, and are in all respects in proper international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the videtermined to be economically practicable and that I have selected the practicable met me which minimizes the present and future threat to human health and the environment; faith effort to minimize my waste generation and select the best waste management method. Transporter 1 Acknowledgement of Receipt of Materials Transporter 2 Acknowledgement of Receipt of Materials	olume and hod of tre OR, if I ar od that is	toxicity satment, m a sma available	of waste general storage, or dispo	ted to the disal current tor, I have can afford. Mor	egree I he y svailable made a great Day	ve o to cod
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment name and are classified, packed, marked, and tabeled, and are in all respects in proper international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the videtermined to be economically practicable and that I have selected the practicable met me which minimizes the present and future threat to human health and the environment; faith effort to minimize my waste generation and select the best waste management methodisted/Typed Name Signature Signature FRED MOGAM Transporter 2 Acknowledgement of Receipt of Materials Inted/Typed Name Signature Signature	olume and hod of tre OR, if I ar od that is	toxicity satment, m a sma available	of waste general storage, or dispo	ted to the disal current tor, I have can afford. Mor	egree I he y svailable made a great Day	Year Year
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment name and are classified, packed, marked, and tabeled, and are in all respects in proper international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the videtermined to be economically practicable and that I have selected the practicable met me which minimizes the present and future threat to human health and the environment; faith effort to minimize my waste generation and select the best waste management methodisted/Typed Name FRED MOGALU Transporter 1 Acknowledgement of Receipt of Materials Transporter 2 Acknowledgement of Receipt of Materials Signature Signature Signature Signature	olume and hod of tre OR, if I ar od that is	toxicity satment, m a sma available	of waste general storage, or dispo	ted to the disal current tor, I have can afford. Mor	egree I he y svailable made a great Day	Year Year
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment name and are classified, packed, marked, and labeled, and are in all respects in proper international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the videtermined to be economically practicable and that I have selected the practicable met me which minimizes the present and future threat to human health and the environment; taith effort to minimize my waste generation and select the best waste management method inted/Typed Name FRED MOGAM 3. Transporter 1 Acknowledgement of Receipt of Materials FRED MOGAM 3. Transporter 2 Acknowledgement of Receipt of Materials FRED MOGAM 4. Discrepancy Indication Space 5. Discrepancy Indication Space	olume and hod of tre OR, if I ar od that is	toxicity satment, m a sma available	of waste general storage, or dispo il quantity general to me and that I	ted to the disal current tor, I have can afford. Mor	egree I he y svallable made a go the Day of Day	Year Year Year
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment name and are classified, packed, marked, and tabeled, and are in all respects in proper international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the w determined to be economically practicable and that I have selected the practicable met me which minimizes the present and future threat to human health and the environment; faith effort to minimize my waste generation and select the best waste management method that I have a program in place to reduce the waste method and the environment; faith effort to minimize my waste generation and select the best waste management method. Typed Name FRED MOGAL Transporter 1 Acknowledgement of Receipt of Materials Signature Signature Signature	olume and hod of tre OR, if I ar od that is	toxicity satment, m a sma available	of waste general storage, or dispo il quantity general to me and that I	ted to the disal current tor, I have can afford. Mor	egree I he y svallable made a go the Day of Day	Year Year

SHIPPER'S NO.

			CARRIER		AGENT'S NO.
rnou.	Ring	assifications and toriffs in effect on the date of the Issue of this Bill of Lading. $TEEL \text{AT } 42$	oo East	SHOW	EMERYVILLE DATE & HIGUNIY 02/25
operandra, 4	described below, to earning only person that were to deliver my, that every serv turnell seed his an	In apparent good order, except as noted (coments and condition of coments of packages unknown) or corporation in prosecution of the property under the control (coments or configuration in prosecution) in a material progress, us to another service on the course to tool description. It is materially opposed, us to much control of the control of the conditions multiputchemal by low, whether energy.	reannel, consigned and destined as shown featurely is said destination, if an its own is only at soil property over all at pre-portion printed by wither, haven compress, inclu-	below, which said compain ailload, water line, highwo of said route to destinate dung the conditions on both	by the word company territy drawn down in highest, on crusts in robust, or within the ferroncy of in highest, , and as to each party of any tate interested in all or an , heraof, which are hareby agreed to by the shopper and theraof.
CONSIGNED	3 # 01	H SAIP SERVICE CO	COUNTY		STATE CALCA
DESTINATION	527	O CHIMA BASIN ST S	WALKER	500)	# 99107
DELIVERING	CADDIES II	Lill out & Source	VEHICLE OR CAR INITIAL	H-38	" NO 800852
SEATON COLOR	ON DEFINE	RY I and remit to:	VEHICLE OR OR INITIAL		C.O.D. CHARGE SHIPPER TO BE PAID BY CONSIGNEE
STREET OR EMER	RGENCY AS	SISTANCE INVOLVING HAZARDOUS MATERIALS	STAIL CALL CHEMTREC 800-424-7:	300 BAY OR SOLUTION	Subject to Section 7 of conditions, if this shipment is to delivered to the consignee without recourse on the coagnor, the consignor shall sign the following statem
NO. PKGS.	н 4 м	DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	* WEIGHT (SUB, FO COR)	CLASS OR RATE CK. COL	The corrier shall not make delivery of this shipm without payment of freight and all other low-ful charge without payment of freight and all other low-ful charge.
•		STORAGE GALOLINSE THO	ile		
2		1,200 GIREMIN UNUEGE	00,000	-	(Sunstane of Consegnor.)
2		STORAGE GARDING IN	CITIZONNO CONTRACTOR OF THE CO		Я станува има то ба ривронії, чиста се зла
		DIESEL STOILANGE	-CAPT		fure"34 los Freport."
	15	DRY 108 INSTANTED	ins enct	1	ALL
		SISPOSAL.		7	property of the borges on the property dead
	×	Man 1000 - 10:20	> (2)		$V_{\star} \sim$
		DEDATED-12-3	3 1	1	Against or Emphasi
party clusters	d, described, packs	the bill of lading shall state whether it is "a	a by a corrier by water, the law requires that carrier's or shipper's weight."	1	(The agriculus have ucknowledges only the amprephint.)
fw		NOTE Where the rate is dependent on value, shippers are require property. The agreed or declared value of the property.	uired to state specifically in writing the agre serty is hereby specifically stated by the ship per	ed auderlated value of per to be not exceeding	Charges \$

PM

REORDER FROM:

Permanent address of shipper.

CALIFORNIA TRUCKING ASSOCIATION

Speediset (R) Moore Business Farms, Inc.-m

CHAIN OF CUSTODY RECORD

			. /		
SAMPLER Langna	iture):		Applied Ge	oSystems	
Phone:6			43255 Mission Blvd Suite B Fremo	ont, CA 94539 (415) 65	1-1906
			SHIPPING INFORMATION:		
LABORATORY:	oplied Geo.	Systems	Shipper		_
			Address		
			Date Shipped		
THRNAROUND	TIME: 2 Wee	. K5	Service Used		
Project Leader:	John Lam	bert	Airbill No	Cooler No	
Phone No.	51-1906			Date	Time
Relinquished by	: (signatures)		ceived by: (signatures)	Date	1.11833
Nan	Kirkmer	-			
			fi		-
		Re	ceived for laboratory by:	2.26.89	1.00
			ND RETURN A COPY OF THIS		
Sample No.	Site Identification	Date Sampled	Requested	Upon Receip	
No.	Identification	2-25-88	7EH (8015)		
5-7-755	018016-1				
5-7-75N		_	BLEK		
W-7-75					
			TPH (8015)		
5-8-743					-
5-8-74N W-8-74			TPH (8CIS) . BTEX		
0 0 7 4					
W-6-73			TPH (8015) + BTEX		
					3
		_		-	
			-		
	,				

REF./ A/C NO.	福里 第110	OFFICE OF THE AUDITOR-CONTROLLER	2/26/88
			Nº 505613
£	HISCELLAN	EOUS RECEIPT	\$2.070.00
RECEIVED FROM:	W.A. Cra	ia) Drc	BARRAR CONOS
FOR:	P.D. Box 448	Stal 430 Castalar	Hury Early He 94108
RECEIVED BY:	May	unelation	NO.: 430-453
CASH	DERSONAL CACHE	R'S CHECK/M. D. # 1345	OTHER:

110-1 (Rev 10/85) [0134E (08)]

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY DEPARTMENT OF ENVIRONMENTAL HEALTH HAZARDOUS MATERIALS DIVISION 470 - 27TH ST., RM. 322 OAKLAND, CA 94612 PHONE NO. 415/874-7237

INSTALLATION NAME: NORTH OF JUDSON

ALAMEDA COUNTY HAZ

MAT UNIT CONTACT: MR. LOWELL MILLER

FILE STATUS: MR. MILLER OPENED A FILE

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1	Business Name THE MARTIN COMPANY	
Τ.	Business Owner MR. WALTER KACZMAREK MR. TOM GRAM	
	Business Owner	
2.	Site Address SHELLMOUND STREET SCUTHERN TERMINUS	
	7in 94608 Phone	
3.	THE MARTIN COMPANY Mailing Address 4425 CHRISTIE STREET SUME 406 (AIS) 652-5	852
•	City <u>EMERYVILLE</u> CA Zip 94608 Phone (408) 945-97	100
4.	Land Owner SHELLMOUND VENTURE I	
	Address SAME AS #3 City, State Zip	
	EPA I.D. NO. APPLICATION SENT, EPA LDH IS PENDING	
5.	EPA I.D. NO	
6.	General DEV CON CONSTRUCTION ***TANK REMOVAL CONTRACTOR See	生に入
	Address 555 LOS COCHES STREET ##*	
	City MILPITAS, CA 95035 Phone (408) 942-8	200
	License Type General Contractor ID# 399163	
7.	. Other (Specify) EARTH METRICS (NCOR PORATED)	
	859 COWAN ROAD	
	City GURLINGAME CA 94010 (415) 697 7103	

8. Contact Person for Investigation
Name Mr. PETER NAME Title GEOLOGIST Field Supervisor of Tank Pull Phone (415) 697 7103
Phone (415) 697 710)
9. Total No. of Tanks at facility 1 or 2
10. Have permit applications for all tanks been submitted to this office? Yes [] NO [/] HISTORIC SITE
11. State Registered Hazardous Waste Transporters/Facilities
a) Product/Waste Tranporter
Name Hold SHIP SERVICE EPA I.D. No. CAD 004771168
Address 220 CHINA BASIN
city SAN FRANCISCO State CA Zip 94107
b) Rinsate Transporter
Name HEH SHIP SERVICE EPA I.D. No. CAD 004771168
Address Same as above
city State Zip
c) Tank Transporter
Name HEH SHIP SERVICE EPA I.D. No. (AD 004771168
Address Same as above
City State Zip
d) Contaminated Soil Transporter
Name HEH SHIP SERVICE EPA I.D. No. CADOCATTILES
Address Some as above
city State Zip
12. Sample Collector
Tank Removal Contractor and 12. Sample Collector Name MR. GENE COMBS Lic. #A500646
COMPANY CROWN ENVIRONMENTAL, INC.
1175 LAKESIOE PR SUITE 130
City RICHMOND State CA Zip 94806 Phone 45 222-953

. .

13. Sampling Information for each tank or area

Tank or Are	a	Material sampled	Location & Depth	
Capacity	Historic Contents (past 5 years)			
3000 GALLONS (ESTIMAT)	APPROX 6" PRESENT IN TANK NOW (4-15-85)	DIESEL		
				•. •
	·			

14.	Have tanks	or pipes l	eaked in th	e past?	Yes []	No h	N IE LEAKEN
	wan not be	ods used for	r rendering	tank inc	ert? Yes	s []	No []
15.		escribe.					
16.	Laborator	TMA					
	city	2030	ND	State _	CA	Zip	94804
	State Cer	tification CROWN		MENTA	L 176 130		

CROWN ENVIRONMENTAL

9175 LAKESIDE DR. SUITE 130

RICHMOND, CA 94806

State Certif. No. 189

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
DIESIEL IN	EPA 8015 MODIFIED DIESEL	EPA 8015 MODIFIED
•• . •		

- 18. Site Safety Plan submitted? Yes [J No []
- 19. Workman's Compensation: Yes [No [] No []

Copy of Certificate enclosed? Yes [] No [/

Name of Insurer ____

20. Plot Plan submitted? Yes [v] 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 soley 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	EARTH METRICS INC.	
Name (please type)		
Name (please type) Signature	Regimen	
Date 4-15-88		
Signature of Site Owner		
Name (please type)	Tom GRAM	
Signature		
Date		

NOTES:

- 1. 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.
- 4. A copy of your approved plan must be sent to the landowner.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A

SAMPLING RESULTS

Tank or Area	Contaminant	Location & Depth	Results (specify units)
			·
			•

- 5. Triple rinse means that:
 - a) final rinse must contain less than 100 ppm of Gasoline (EPA method 8020 for soil, or EPA method 602 for water) or Diesel (EPA method 418.1) Other methods for halogenated volatile organics (EPA method 8010 for soil, EPA method 601 for water) may be required. The composition of the final rinse must demonstrated by an original or facsimile report from a laboratory certified for the above analyses.
 - b) tank interior is shown to be free from deposits or residues upon a visual examination of tank interior.
 - c) tank should be labelled as "tripled rinsed; laboratory certified analysis available upon request" with the name and address of the contractor.

If all the above requirements cannot be met, the tank must be transported as a hazardous waste.

6. Any cutting into tanks requires local fire department approval.