

# TANK REMOVAL AND SOIL EXCAVATION

### **FOR**

WASTE MANAGEMENT INC. 18500 VON KARMAN AVENUE SUITE 870 IRVINE, CALIFORNIA

> Project No. 3439E March 1990

March 12, 1990

Waste Management Inc. of North America 18500 Von Karman Avenue, Suite 870 Irvine, CA 92715

Attention: Mr. Clay Rumbaoa

Subject: Tank Removal, Altamont Landfill, Livermore, California

EES Project No. 4743F

#### Dear Mr. Rumbaoa:

Ensco Environmental Services, Inc. (EES) is pleased to provide Waste Management of North America with this brief letter report regarding the removal of one 12,000-gallon and one 10,000-gallon underground diesel fuel storage tanks from the 10840 Altamont Pass Road facility located in Livermore, California.

Excavation and removal of the two tanks from the facility was conducted on January 3, 1990. Prior to beginning on-site activities, all applicable regulatory agencies were notified and required permits were obtained (see Appendix A). Dry ice was added to the tank at a rate of 25 pounds per 1,000-gallon capacity to properly inert the tank before beginning any removal work.

After an appropriate amount of time to allow displacement of oxygen, EES continued excavation of the tanks and associated piping. Visual inspection of product lines before removal showed areas of failure in fittings beneath each dispenser. After the tanks were removed, visual inspection for damage and evidence of leakage was performed. No visible evidence was observed. The tanks and piping were then loaded onto licensed hazardous waste hauling trucks for shipment to a certified disposal facility. The tanks were transported under the appropriate hazardous waste manifest certificates of disposal are also enclosed from H&H Ship Service (see Appendix B).

Following removal of the tanks, one soil sample was collected from the undisturbed soils at each end of the tank excavation. Samples were also taken at this time from the product line trench. Each sample was collected in a brass sample tube, sealed with foil, capped with plastic lid, and placed in a chilled ice chest for transportation to a state-certified laboratory. Samples were accompanied by chain-of-custody documentation (see Appendix C).

The analytical report from B.C. Analytical dated January 12, 1990, indicate diesel concentrations above 100 ppm (parts per million) in the northeast corner of the tank excavation and product line trench. One water sample taken from the tank excavation showed low levels of fuel hydrocarbons in the water (see Appendix C).

Additional excavation of the product line trench began on January 18, 1990. Contaminated soils were placed on and covered by 6-mil. visqueen in an area predesignated by client. Samples were again sent to a state-certified laboratory accompanied by chain-of-custody documentation (see Appendix D).

Waste Management Inc. of North America EES Project No. 4743F Page Two

Analytical results reported January 23, 1990, indicate diesel concentration above 100 ppm on the east side of the product line excavation (see Appendix D).

Final excavation began on January 24, 1990. Soils were again placed on and covered by plastic. At this time, soil was also excavated from the northeast corner of the tank excavation. Analytical results reported January 26, 1990 from B.C. Analytical show non-detectable levels of diesel in both samples. These results along with chain-of-custody documentation are enclosed in this report (see Appendix E).

Upon receipt of final analysis, the tank excavation was backfilled with clean imported soils supplied by Waste Management, Inc. and paved over. Sampling of the stockpiled soils was conducted on February 5, 1990. These results along with chain-of-custody documentation are enclosed (see Appendix F). Waste Management, Inc. is making all necessary arrangements for hauling and disposal of these soils to their Kettleman Hills facility.

Should you have any questions regarding this report, please contact me at (415) 659-0404. EES is pleased to have been of service to you on this project.

Sincerely,

Ensco Environmental Services, Inc.

Gary L. Della Verchia

Gary L. Della Vecchia

Field Supervisor, Construction Services

Gary R. Mulkey R.E.A. 311 Manager, Geoscience Department

Hoy R. mulkey

GLD/GRM/sw Attachments white -env.health yellow -facility pink -files

Title:

Signature:

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200 Oakland, CA 94621 (415) 271-4320

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<b>,</b>			Site Site Name Www. 10day's 13189
	BUSINESS PLANS (Title 19)  1. Immediate Reporting 2. Bus. Plan Stds. 3. RR Cars > 30 days 4. Inventory information 5. Inventory Complete 6. Emergency Response 7. Training 8. Deficiency 9. Modification  ACUTELY HAZ. MATLS	2703 25503(b) 25503.7 25504(a) 2730 25504(b) 25504(c) 25505(d) 25505(d)	Site Address
	10. Registration Form filed 11. Form Complete 12. RMPP Conlents 13. Implement Sch., Reqid? (Y/N 14. Offsite Corseq. Assess. 15. Probable Risk Assessment 16. Persons Responsible 17. Certification 18. Exemption Request? (Y/N) 19. Trade Secret Requested?	25533(a) 25533(b) 25534(c) 35524(c) 25524(c) 25534(d) 25534(g) 25534(f) 25536(b) 25538	Callf. Administration Code (CAC) or the Health & Safety Code (HS&C)  Comments:  They work tank many up to the Health & Safety Code (HS&C)
III.	UNDERGROUND TANKS (Tille	e 23)	Sannin rellect Dy busic con
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New Tanks	11.Monitor Plan 12.Access. Secure 13.Plans Submit Date: 14. As Bullt Dote:	2632 2634 2711 2635	
Rev	6/88		
	Contact	Dare C	thuse II, III

Inspector:

Signature:

# ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY DEPARTMENT OF ENVIRONMENTAL HEALTH HAZARDOUS MATERIALS DIVISION 80 SWAN WAY, ROOM 200

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UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name Oakland Scavenger Company, Altamont Landfill Division Business Owner Waste Management of North America 2. Site Address 10840 Altamont Pass Road city Livermore 3. Mailing Address 20000Embarcadaro Phone (415) 532-1400 city \_\_Oakland 4. Land Owner Oakland Scavenger Company Addressu 2000 Embarcadaro 5. EPA I.D. No. CAD 981382732 6. Contractor Ensco Environmental Services, Address 41674 Christy Streets Fremont ID# <u>550205</u> License Type"A" General Engineering 7. Consultant Ensco Environmental Services, Inc. Address 41674 Christy Street Phone (415) 659-0404 city Fremont

~8.	Name Clay Rumbaoa	mitle	4	637	7
	Phone <u>(714) 474-2311</u>				
	Total No. of Tanks at facility 2	, ,	•		
	Have permit applications for all ta office? Yes [X]	NO	1 1		
11.	State Registered Hazardous Waste Tr	ansporte	ers/F	acilit	iles
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	Address			,	<i>y</i>
	city	State _		Zip	, ,
	b) Rinsate Transporter	,			,
	Name <u>H &amp; H Ship Services</u>	EPA	I.D.	No.	CAD004771168
	Address 220 China Basin	<del></del>			
	city San Francisco	State .	CA	Zip	94107
	c) Tank Transporter	-			
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	d) Tank Disposal Site	· · · · · · · · · · · · · · · · · · ·	•		
•	Name H & H Ship Services	EPA	I.D.	No.	CAD004771168
	Address 220 Chlina Bason	<u> </u>			
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	e) Contaminated Soil Transporter		•	- अ <u>. श</u> ्	,
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	Address				
	City	State .		Zip	

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. ,	city	Fremont S	tate <u>CA</u> Zi	p <u>94538</u>	Phone (415) 659-0404
13. Sa	amplin	g Information for each	h tank or ar	ea	
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	lave ta	anks or pipes leaked	in the past?	Yes [	Charles St.
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15. N	f yes	anks or pipes leaked :	in the past?	Yes [	] No [X]
15. N	If yes	anks or pipes leaked : , describe ethods used for rende	in the past?	Yes [	] No [X]
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15. N	IFPA months in expensed in expense in expensed in expense in ex	ethods used for renderations.	in the past? ring tank ine	Yes [ ert? Ye	] No [X]  es [X] No []  gallon of tank capicity
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15. N  I  A  t  16. L	If yes  If yes  Inert  An exp tank i	ethods used for render describe.  Inert tanks  with dry ice/  losion proof combustinertness.	in the past? ring tank ine	Yes [ ert? Ye	] No [X]  es [X] No []  gallon of tank capicity

### 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
T PHD BTEX	EPA 3510 EPA 5030	EPA Modified 8015 EPA 8020
TPHG	EPA 5030	EPA Modified 8015
BTEX	EPA 5030	EPA 8020

- 18. Submit Site Safety Plan
- 19. Workman's Compensation: Yes [X] No []

  Copy of Certificate enclosed? Yes [X] No []

  Name of Insurer Liberty Mutual Insurance Company
- 20. Plot Plan submitted? Yes [X] No []
- 21. Deposit enclosed? Yes [X] 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 understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Saftey and Health Administration) requirements concerning personnel and safety.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor

Name (please type) Gary DellaVecchia	1 / > /\
Signature Gary 1. Della	Vechia
Date 12-11-89	
Signature of Site Owner or Operator	A STATE OF THE STA
Name (please type) Michael Crosetti	Programme and the second
Name (please type) Michael Crosetti Signature Muchael Crosetti	A Committee of the Comm
Date	

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7. Transporter 2 Company Name	<del></del>	EPA ID Number	1 - 1	ate Transporter's	(+10)	343~4033 · (a)
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9. Designated Facility Name and Site Address	10. US	EPA ID Number	G. 81	ate Facility's ID	Branch St	etracolitores missos
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11. US DOT Description (including Proper Ship	oping Name, Hazard Class, and ID	Number) No.	4	Quantity	14. Unit	Waste No.
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10840 Altamont Pass Road, Livermore, CA. 94550 4. Generator's Phone (415) 449-6349		B. State Gener	ator's ID	推荐的社	
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To: P.O. Box 3000, Sacramento, CA 95812

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CERTIFICATE OF DISPOSAL

JANUARY 6, 1990

H &	H	Ship	Service	Company	hereby	certifies	to	ENSCO
that	: :							

1. The storage tank(s), size(s) 1-12,000 GALS. AND 1-10,000 GALS. FIBERGLASS

removed from the OAKLAND SCAVENGER COMPANY
facility at 10840 ALTAMONT PASS ROAD
LIVERMORE, CALIFORNIA

were transported to H & H Ship Service Company, 220 China Basin St., San Francisco, California 94107.

- 2. The following tank(s), H & H Job Number 2894

  have been steamed cleaned, rendered harmless, demolished and disposed of as general refuse.
- 3. Disposal site: SANITARY FILL COMPANY, SAN FRANCISCO, CALIFORNIA.
- 4. The foregoing method of destruction/disposal is suitable for the materials involved, and fully complies with all applicable regulatory and permit requirements.
- 5. Should you require further information, please call (415) 543-4835.

Very Truly Yours,

Cleveland Valrey Operations Coordinator



#### CERTIFICATE OF DISPOSAL

JANUARY 6, 1990

H & H Ship Service Company hereby certifies to ENSCO that:

The storage tank(s), size(s) 1-12,000 GALS. AND 1-10,000 GALS. FIBERGLASS

removed from the OAKLAND SCAVENGER COMPANY facility at 10840 ALTAMONT PASS ROAD LIVERMORE, CALIFORNIA

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- Should you require further information, please call (415) 543-4835.

Very Truly Yours,

Cleveland Valrey Operations Coordinator

CHAIN	OΕ	CHSTO	DV I	RECORD
CHARIT	Vr.	CUSIU	וע	NECOND

BC Log Number 90/0063

Client na Eh	Ensco Environnental Services ess					Project or PO#		Analyses required							7			
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#### **BROWN AND CALDWELL LABORATORIES**

· 1255 Powell Street, Emeryville, CA 94608 (415) 428-2300

☐ 373 South Fair Oaks Avenue, Pasadena, CA 91105 (818) 795-7553

1200 Pacifico Avenue, Anaheim, CA 92805

#### Note:

Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

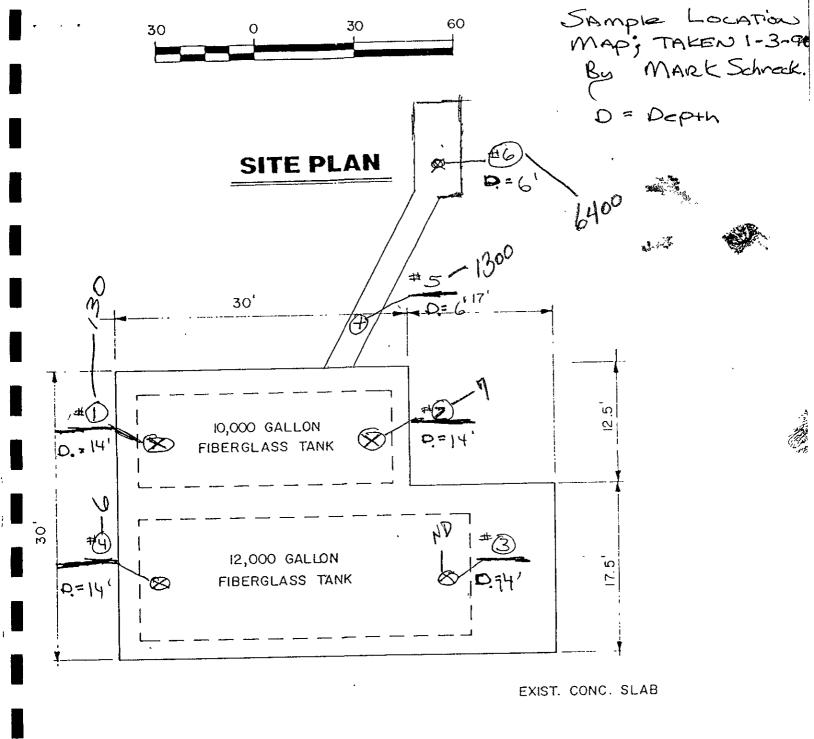
\*KEY: AQ-Aqueous NA-Nonaqueous SL-Sludge GW-Groundwater SO-Soil OT-Other PE-Petroleum

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\*KEY: AQ-Aqueous NA-Nonaqueous SL-Sludge GW-Groundwater SO-Soil OT-Other PE-Petroleum

☐ 373 South Fair Oaks Avenue, Pasadena, CA 91105 (818) 795-7553

1200 Pacifico Avenue, Anaheim, CA 92805



## **PLAN VIEW**

- EXIST CONCRETE SLAB TO BE REMC

LOG NO: E90-01-063

Received: 03 JAN 90 Reported: 12 JAN 90

Mr. Gary Dellavecchia Ensco Environmental Services, Inc. 41674 Christy Street Fremont, California 94538-3114

Purchase Order: 16648

#### REPORT OF ANALYTICAL RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION	, SOIL SAMPLES		DATE SAMPLED
01-063-6	#6			03 JAN 90
PARAMETER			01-063-6	
Benzene, m Ethylbenze Toluene, m Total Xyle Diesel Meth Date Analy Dilution I Fuel Hydro Fuel Chara	rzed Factor, Times ng/kg ene, mg/kg ng/kg ene Isomers, mg/kg nod 3550		01.09.90 2 <0.2 <0.2 <0.2 <0.2 01.06.90 30 6400 DIESEL	

This Fuel characterization is qualitative identification based upon a visual comparison of sample chromatograms with those from authentic standards.



LOG NO: E90-01-063

Received: 03 JAN 90 Reported: 12 JAN 90

Mr. Gary Dellavecchia Ensco Environmental Services, Inc. 41674 Christy Street Fremont, California 94538-3114

Purchase Order: 16648

### REPORT OF ANALYTICAL RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION, V	WASTEWATER SAM	<b>IPLES</b>	DATE SAMPLED
				03 JAN 90
01-063-7	Standing Water At Si	te #4		
			01-063-7	
PARAMETER				
Aromatic Hy	drocarbons		01 00 00	,
Aromatic ny	and		01.09.90	
Date Analy	Zeu Zeu Timor		10	
	actor, Times		<3	
Benzene, u	g/L		<3	
Ethylbenze	ne, ug/L		<3	
Toluene, u	g/L		10	
Total Xyle	ne Isomers, ug/L		10	
Diesel Meth	od 3510		01.09.90	
Date Analy	zed		<del>-</del>	
Date Mary	actor, Times		10	
Direction	actor, rames		7300	•
Fuel Hydro	carbons, ug/L		DIESEL	
Fuel Chara	acterization, .		<b></b>	
Other Die	esel Method 3510			

Please note that extra sample concentration step was performed to achieve lower detection limits for BTEX analysis as reflevted in samples 2,3 and 4. The low detection limits were not achievable in the other samples due to high level of hydrocarbons in those samples.

C. Ho 1.12.90

Sim D. Lessley, Ph.D., Laboratory Director

B C A

LOG NO: E90-01-063

Received: 03 JAN 90 Reported: 12 JAN 90

Mr. Gary Dellavecchia Ensco Environmental Services, Inc. 41674 Christy Street Fremont, California 94538-3114

Purchase Order: 16648

### REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION,	SOIL SAMPLE	S		DA'	re sampled
					<b>-</b> ··	03 JAN 90
01-063-1	#1					03 JAN 90
01-063-2	#2					03 JAN 90
01-063-3	#3					03 JAN 90
01-063-4	#4					03 JAN 90
01-063-5	#5					
		01-063-1	01-063-2	01-063-3	01-063-4	01-063-3
PARAMETER						
Aromatic Hy	drocarbons			01 10 00	01.10.90	01.09.90
Date Analy	zed	01.09.90	01.10.90	01.10.90	01.10.90	1
Date Mndig	actor, Times	1	10.00	<0.02	<0.02	<0.1
Benzene, m		<0.1	<0.02	<0.02	<0.02	<0.1
Ethylbenze	ne. mg/kg	<0.1	<0.02	0.02	<0.02	<0.1
Toluene, m	ng/kg	<0.1	<0.02	<0.03	<0.02	<0.1
Total Xvle	ene Isomers, mg/kg	<0.1	<0.02	(0.02	(0.02	
Diesel Meth	nod 3550		01 00 00	01.09.90	01.09.90	01.09.90
Date Analy	zed	01.09.90	01.09.90	01.09.70	1	10
Dilution I	Pactor, Times	1	, 7	<1	6	1300
Fuel Hydro	carbons, mg/kg	130	DIESEL		DIESEL	DIESEL
Fuel Chara	acterization, .	DIESEL	DTESET			
Other Die	esel Method 3550					

This Fuel characterization is a qualitative identification based upon a visual comparison of sample chromatograms with those from authentic standards.



CHAIN OF CUSTODY RECORD

9001545

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T. CIVIA	REMARKS: 48 Hour TAT				41674 Christy Street Fax (415) 659-0404 Fax (415) 651-4677							
REPORT TO: GAME L. Della Vechia					Fremont, C.A. 94538-3114 Contr. Lic. No. 550205							

FORM DATED 5-30-89

RestRoom (3) /8' | Electerc line TANK Excapation Propost Line + RENCH

OFFICE

BUILDINGSA

### CHAIN OF CUSTODY RECORD

9001545

JECT NO PROJECT NAME						TEST REQUESTED P.O.# 16801					P.O.# 16800	
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ORI	:TO: (	Aug		11 A VechiA		<b>**</b> *	٠ ،		F			74 Christy Street Fax (415) 651-4677 A. 94538-3114 Conv. Llc. No. 550205

M DATED 5-30-89

LOG NO: E90-01-545

Received: 19 JAN 90 Reported: 23 JAN 90

Mr. Gary Dellavecchia Ensco Environmental Services, Inc. 41674 Christy Street Fremont, California 94538-3114

Purchase Order: 16800

Project: 4743-1

#### REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES			TE SAMPLED
01-545-1 01-545-2	Sample #1, 2, 3 Composite Sample #4, 5, 6 Composite			18 JAN 90 18 JAN 90
PARAMETER		01-545-1	01-545-2	
Benzene, m Ethylbenze Toluene, m	drocarbons zed actor, Times g/kg ne, mg/kg g/kg ne Isomers, mg/kg	1 <0.1 <0.1	<0.1 <0.1	
Date Analy Dilution F Fuel Hydro Fuel Chara		01.19.90 1 61 DIESEL	50 750	

Please note that lower detection limits for BTEX by method EPA 8020 were not achievable due to levels of hydrocarbons in both samples. C. Ho 1/23/90

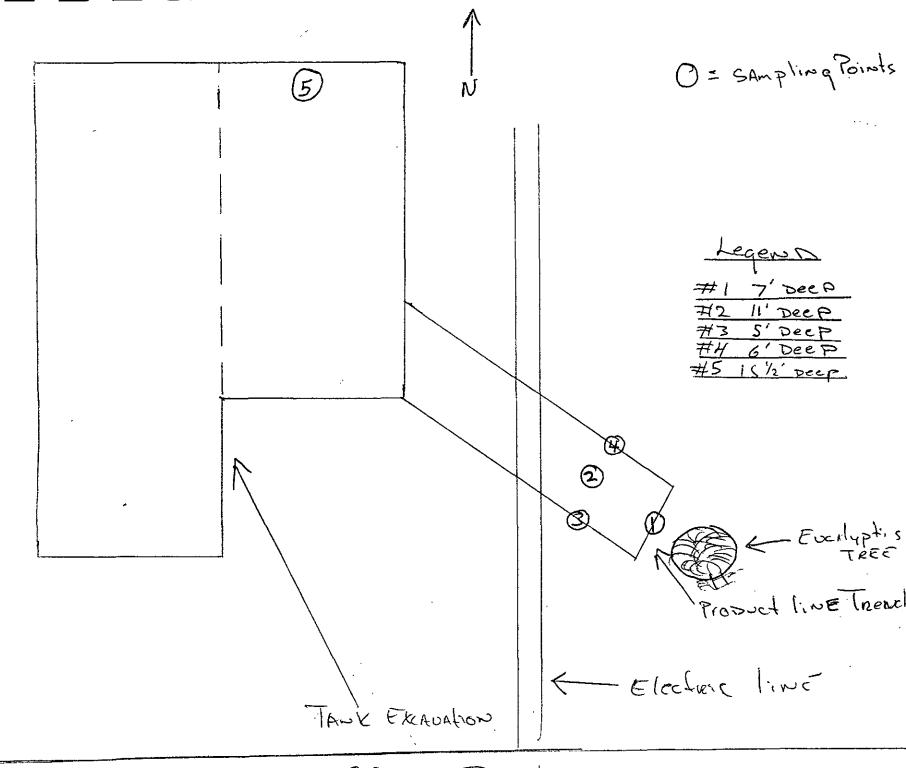
This Fuel characterization is a qualitative identification based upon a visual comparison of sample chromatograms with those from authentic standards.

Sim D. Lessley, Ph.D., Paboratory Director

B C A

### CHAIN OF CUSTODY RECORD

PROJECT NO PROJECT NAME			TEST REQUESTED P.O. #						ţ			
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NO.	DATE	TIME	STATION AND LOCATION	1	3						1	REMARKS
- /-	1-24-90	10 AM	CIDEWALL FACT	<u> </u>							Compo	site 1,2,3+4
<u> </u>		10:06	Bottom	X	X			<b> </b> -			-	
\$ 3· ·		10:30	Si Demal South	1,4	$\wedge$							
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^				41674 Christy Street (415) 659-040 Fax (415) 651-46								
REPOR	NT TO: (3	AR4	DELLA Vecchia		*	<i>.</i> ·			Fremo	nt,	C.A. 94538-3	114 Contr. Lic. No. 550205



Office Buildings

LOG NO: E90-02-166

Received: 06 FEB 90 Reported: 21 FEB 90

Mr. Gary Dellavachia Ensco Environmental Services, Inc. 41674 Christy Street Fremont, California 94538-3114

Purchase Order: 16956

#### REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION,	SOIL SAMPLES		DA	TE SAMPLED
02-166-1 02-166-2 02-166-3 02-166-4					05 FEB 90 05 FEB 90 05 FEB 90 05 FEB 90
PARAMETER		02-166-1	02-166-2	02-166-3	02-166-4
Benzene, m Ethylbenze Toluene, m Total Xyle	zed Pactor, Times ng/kg ene, mg/kg ng/kg ene Isomers, mg/kg	02.19.90 5 <0.5 <0.5 <0.5	02.19.90 10 <1 <1 <1 1.2	<0.1	1 <0.1 <0.1
Fuel Hydro		02.10.90 10 350 DIESEL	02.10.90 20 2000 DIESEL		1 39

This Fuel characterization is a qualitative identification based upon a visual comparison of sample chromatograms with those from authentic standards.

Sim D. Lessley, Ph.D., Laboratory Director



LOG NO: E90-01-724

Received: 25 JAN 90 Reported: 26 JAN 90

Mr. Gary Dellavachia Ensco Environmental Services, Inc. 41674 Christy Street Fremont, California 94538-3114

Purchase Order: 16852

### REPORT OF ANALYTICAL RESULTS

Page l

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES		DA	TE SAMPLÈD
01-724-1 01-724-2	A Composite Formed from Samples 1-4 North End Tank Excavtion			
PARAMETER	*		01-724-2	
Aromatic Hy	drocarbons			
Aromatic ny	didear bons	01.25.90	01.25.90	
Date Analy		1	1	
	actor, Times	<0.1		
Benzene, m		<0.1	<0.1	
Ethylbenze		<0.1	<0.1	
Toluene, m	g/kg	<0.1	<0.1	
Total Xyle	ne Isomers, mg/kg			
Diesel Meth		01.25.90	01.25.90	
Date Analy	zed	1	1	
Dilution F	actor, Times	<1	<1	
Fuel Hydro	carbons, mg/kg			
Other Die	esel Method 3550			

Please note that lower detection limits for BTEX analysis by EPA 8020 were not achievable due to matrix interference experienced in the analysis. C. Ho 1.26.90

Sim D. Lessley, Ph.D./ Laboratory Director



### CHAIN OF CUSTODY RECORD

		QJECT NAM	1E , ,		TEST REQUESTED						P.O. # 16956			
4348 SAMPLE		hens	Waste			,					LABB. C			
(Signatu					H	KX				-		- Analytical DUND TIME NAT		
NO.	DATE	TIME	STATION	AND LOCATION	TPHD	BTEX						REMARKS		
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REMAR	KS:				4	*	ens	со е	nviror	nmenta	services			
REPORT	г то: 🖂	ARCI	1 7	ella//Ecchia	<b>*</b>	**			From	4167	4 Christy St	reet Fax (415) 659-0404 114 Contr. Lic. No. 550205		
FORM D	FORM DATED 5-30-89 (Fremont, C.A. 94538-3114 Contr. Lic. No. 550205)													

Stockpulsy Lois

D

$$A = 1,2,3 = Composit / 1=2'ht. - 2=2.5'-3=1.5'$$
 $B = 4,5,6 =$ 
 $C = 7,8,9 =$ 
 $C = 7,8,9$