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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST No 018414

Please print or type. (Form designed for use on 8 1/2 x 11 inch typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law
3. Generator's Name and Mailing Address Veteran's Administration Medical Center 4150 Clement Street San Francisco, CA. 94121		C1A181316101110132181610151918		A. State Manifest Document Number	
4. Generator's Phone (415) 221 4810				B. State Generator's ID	
5. Transporter 1 Company Name North State Environmental		6. US EPA ID Number C1A1D101010151013171318		C. State Transporter's ID 1043261	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (415) 588-2838	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number L1A1D101010151013171318		E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility's ID	
				H. Facility's Phone (504) 631-3161	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. UNH Wt/Vol
a. Waste Acid, Liquid, NOS (D002), NA1750 Drum 5 Corrosive Material		1 D F		5	P D002 R
b. Waste Acetic Acid, Corrosive Material Drum 6 UN2790		1 D F		10	P D002 R
c. Waste Benzoyl Peroxide, Organic Peroxide Drum 7 NA2085		1 D F		5	P D003 R
d. Waste Cyanogen Bromide, Poison B, UN1889 Drum 8		1 D F		5	P U246 R
J. Additional Descriptions for Materials Listed Above RECYCLE / REUSE UNSTE/VADM/9011987/LP. All drums are 5gal labpacks. See enclosed list for contents.		K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Emergency contact: Adon Figueroa (415) 221-4810 Use gloves, goggles and respirator if drums are opened IF UNABLE TO DELIVER, RETURN TO GENERATOR					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Adon G. Figueroa		Signature Adon G. Figueroa		Month Day Year 11/10/90	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Angel Vazquez		Signature Angel Vazquez		Month Day Year 11/10/90	
17. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Derry Guillotte					
Signature Derry Guillotte		Month Day Year 11/14/90			

WHITE - RED GREEN - GROUND YELLOW - TOXIC BLUE - CORROSIVE

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST NO 018416

Please print or type. (Form designed for use on 11x17 inch typewriter.)

Form Approved OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C1A18131610101101312181010151918		2. Page 1 of 1		Information in the shaded areas is not required by Federal law	
3. Generator's Name and Mailing Address Veteran's Administration Medical Center 4150 Clement Street San Francisco, CA 94121				A. State Manifest Document Number TAX-EX-EMPT			
4. Generator's Phone (415) 221 4810				B. State Generator's ID 161987			
5. Transporter 1 Company Name North State Environmental				C. State Transporter's ID (415) 586-2838			
6. US EPA ID Number C1A1D101010161013171318				D. Transporter's Phone			
7. Transporter 2 Company Name				E. State Transporter's ID			
8. US EPA ID Number				F. Transporter's Phone			
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380				G. State Facility's ID (504) 631-3161			
10. US EPA ID Number L1A1D191810151717016				H. Facility's Phone			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity	
a. Waste Potassium Hydroxide, Solid, UN1813 Drum 9 Corrosive Material				1 P D R		P Non-RCRA	
b. Waste Corrosive Solid, NOS, Corrosive Material, Drum 10 UN1759, (heptanoyl chloride)				1 P D R		P D002 R D003	
c.						R	
d.						R	
J. Additional Descriptions for Materials Listed Above RCYCLE/REUSE NSTE/VADM/9011987/LP. All drums are 5gal labpacks. See enclosed list for contents.				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Emergency contact: Adon Figueroa (415) 221-4810 Use gloves, goggles and respirator if drums are opened IF UNABLE TO DELIVER, RETURN TO GENERATOR							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Adon G. Figueroa				Signature Adon G. Figueroa		Month Day Year 11/10/97	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Angel Vazquez				Signature Angel Vazquez		Month Day Year 11/10/97	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Deery Guillot							
Signature Deery Guillot				Month Day Year 11/14/98			

EPA Form 351 (Rev. 12/95) WHITE - DEO GREEN - Generator YELLOW - TSDOR BLUE - Transporter 2/PINK - Transporter 1 GOLD - Generator

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 4807
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST No. 018413

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

Form Approved, OMB No. 2050-0038, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. Q A 8 3 6 0 0 1 0 3 2 8 0 1 0 3 0	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Veteran's Administration Medical Center 4150 Clement Street San Francisco, CA. 94121				
4. Generator's Phone (415) 221-4810				
5. Transporter 1 Company Name North State Environmental		6. US EPA ID Number C A D 0 0 0 6 0 3 7 3 8	A. State Manifest Document Number	
7. Transporter 2 Company Name		8. US EPA ID Number	B. State Generator's ID TAX-EXEMPT	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number L A D 9 8 1 0 5 7 7 0 6	C. State Transporter's ID 104324	
			D. Transporter's Phone (415) 588-2838	
			E. State Transporter's ID	
			F. Transporter's Phone	
			G. State Facility's ID	
			H. Facility's Phone (504) 631-3161	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
a. Waste Poison B, Liquid, NOS (U188, U165), UN2810 Drum 1A + 1B (alt)		2 D F	1150	P U188 R U165 U2810
b. Non-RCRA Hazardous Waste Liquid Drum 2		1 D F	75	P Non-RCRA
c. Waste Poison E Solid, NOS (D008), UN2011 Drum 3		1 D F	5	P D008 R
d. Waste Oxidizer, NOS (D001), UN1479 Drum 4		1 D F	5	P D001 R P001
J. Additional Descriptions for Materials Listed Above RECYCLE / REUSE NITE/VAM/9011987/LP 2 Drums 162 are 30gal lab packs. Drums 364 are 5gal lab packs. See enclosed list for contents.		K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information Emergency contact: Adon Figueroa (415) 221-4810 Use gloves, goggles and respirator if drums are opened				
IF UNABLE TO DELIVER, RETURN TO GENERATOR				
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.				
Printed/Typed Name Adon G. Figueroa		Signature Adon G. Figueroa		Month Day Year 11/12/98
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Angel Vazquez		Signature Angel Vazquez		Month Day Year 11/12/98
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Debra Guillotte				
Signature Debra Guillotte		Month Day Year 11/14/98		

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OCT 22 1990

MARINE SHALE PROCESSORS, INC.

9011987

110 JAMES DRIVE WEST • SUITE 218 • SAINT ROSE, LA 70087 • TELEPHONE (504) 465-3310

For MSP Use Only

Previous MSP Reference No. _____

Approval Code _____

A. Generator Information

Generator Name Veterans Administration Medical Center
Site Address 4150 Clement St.
City San Francisco State CA Zip Code 94121
Generator Contact Adan Figueroa
Title Industrial Hygienist
Telephone No. (415) 221-4810 x 3658
Facility EPA ID No. CA836001032X

B. Customer Information

Company Name North State Environmental
Contact Linda McCormick
Address 90 So. Spruce Ave Ste W.
So. San Francisco CA 94083
Telephone No. (415) 588-9694
For Customer Use 2x30 gal L.P.
8x5 gal L.P.

C. Chemical Composition and Regulatory Information

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

LAB PACKS - SEE ATTACHED SHEETS

Generating Process: _____

Common Name of Waste: LAB PACKS☐ Non-Regulated ☒ RCRA Regulated ☒ Land Ban EPA Waste Code(s) SEE ATTACHED SHEETSHas MSP received a representative sample? ☐ Yes ☐ No

D. Physical Chemical Properties

TCLP (MG/L)

(Indicate Actual Value, or 0)

D004 Arsenic _____
D005 Barium _____
D018 Benzene _____
D006 Cadmium _____
D019 Carbon Tetrachloride _____
D020 Chlordane _____
D021 Chlorobenzene _____
D022 Chloroform _____
D007 Chromium _____
D023 o-Cresol _____
D024 m-Cresol _____
D025 p-Cresol _____
D026 Cresol _____
D016 2, 4-D _____
D027 1, 4-Dichlorobenzene _____
D028 1, 2-Dichloroethane _____

D029 1, 1-Dichloroethylene _____
D030 2, 4-Dinitrotoluene _____
D012 Endrin _____
D031 Heptachlor _____
D032 Hexachlorobenzene _____
D033 Hexachlorobutadiene _____
D008 Lead _____
D013 Lindane _____
D009 Mercury _____
D014 Methoxychlor _____
D035 Methyl Ethyl Ketone _____
D036 Nitrobenzene _____
D037 Pentachlorophenol _____
D038 Pyridine _____
D010 Selenium _____
D011 Silver _____

D039 Tetrachloroethylene _____
D015 Toxaphene _____
D040 Trichloroethylene _____
D041 2, 4, 5-Trichlorophenol _____
D042 2, 4, 6-Trichlorophenol _____
D017 2, 4, 5-TP Silver _____
D043 Vinyl Chloride _____

Indicate actual ppm of the following compounds:

Nickel _____
Thallium _____
PCB _____
Cyanides _____
Sulfides _____
Dioxin _____

BTU's per lb

(list actual value)

pH

☐ > 2 - 6 ☐ > 6 - 10
☐ > 10 - < 12.5

ASH (list actual Wt %)

☐ If < 2 or > 12.5
list actual _____

Flash Point (closed cup)

☐ < 100° F
☐ 100° F - 139° F
☐ 140° F - 200° F
☐ If < 100 or > 200
list actual _____

Specific Gravity

☐ < 0.8 ☐ 1.2 - 1.4
☐ 0.8 - 1.0 ☐ 1.4 - 1.7
☐ 1.0 - 1.2 ☐ > 1.7
☐ If < 0.8 or > 1.7
list actual _____

Halogens (Wt %) < 1 1-5 5-10

☐ Iodine ☐ ☐ ☐
☐ Bromine ☐ ☐ ☐
☐ Chlorine ☐ ☐ ☐
☐ Fluorine ☐ actual Wt %

Sulfur (Wt %)

☐ > 1
If > 1 list actual _____

if > 10 list actual Wt %

Water (Wt %)

☐ < 1 ☐ 5 - 10
☐ 1 - 5 if > 10
If < 1 or > 10
list actual _____

Viscosity

(for bulk liquids only)
list actual in centipoise
_____ cp

Total Suspended Solids

(Wt % for bulk liquids only)
☐ 5 - 20
If > 20
list actual _____

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GENERATOR NAME: Veterans Administration DATE: 10/15/90
Medical Center
GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco CA 94121

LAB PACK CONTAINER NO: 1 PAGE 1A OF 10
DOT DESCRIPTION: Waste Poison B, Liquid, NOS UN/ UN2810
(U188,U165) NA NO:
CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Glutaraldehyde	48	10 mls	NRM		NRM
02	Phenol (liquid)	1	kg	Poison B	NA2821	U188
03	Polyacrylamide Gel	3	L	NRM		NRM
04	Semi-polymerized mixed plastics (EMBed-812, Nadic Methyl Anhydride, epoxy resin, DMP-30)	1	gal	NRM		NRM
05	Phenol Waste (solid)	1/2	lb	Poison B	UN1671	U188
06	Ethidium Bromide	1	L	NRM		NRM
07	Ethidium Bromide cont. filter paper	1	gm	NRM		NRM
08	Diamino Benzidine (dry)	250	gm	NRM		NRM
09	Diamino Benzidine	5	10gm	NRM		NRM
10	(10ml vials in 500ml bottles)	3	500mls	NRM		NRM
11	Acrylamide	500	mls	NRM		U007
12	Heparin Complex Solution	20	mls	NRM		NRM
13	TetranitroBlue Tetrazolium	1/2	pt	NRM		NRM
14	Naphthalene	8	1 lb	ORM-A	UN1334	U165
15	Phenol	12	1 lb	Poison B	UN1671	U188

I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB-PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. [Signature] 2. 10/17/90
SIGNATURE DATE
3. Laura R. Traweck 4. Operations Chemist
NAME (Type or Print) TITLE

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GENERATOR NAME: Veterans Administration DATE: 10/15/90
Medical Center
GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco CA 94121

LAB PACK CONTAINER NO: 1 PAGE 1B OF 10

DOT DESCRIPTION: Waste Poison B, Liquid, NOS UN/ NA NO: UN2810
(U188, U165)

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	<u>2,5-diphenyloxazole</u>	<u>500</u>	<u>gms</u>	<u>NRM</u>		<u>NRM</u>
02	<u>Violet Stain</u>	<u>39</u>	<u>5 gms</u>	<u>NRM</u>		<u>NRM</u>
03	<u>Sodium Carbonate</u>	<u>1</u>	<u>lb</u>	<u>NRM</u>		<u>NRM</u>
04	<u>Calcium Carbonate</u>	<u>1</u>	<u>lb</u>	<u>NRM</u>		<u>NRM</u>
05	<u>Phenol</u>	<u>1</u>	<u>pt</u>	<u>Poison B</u>	<u>NA2821</u>	<u>U188</u>
06	<u>Sodium Desoxycholate</u>	<u>100</u>	<u>gm</u>	<u>NRM</u>		<u>NRM</u>
07	<u>p-Dimethylaminobenzaldehyde</u>	<u>100</u>	<u>gm</u>	<u>NRM</u>		<u>NRM</u>
08	<u>N,N,N',N'-Tetramethyl-p-phenylene diamine</u>	<u>2</u>	<u>25gms</u>	<u>NRM</u>		<u>NRM</u>
09	<u>Ethidium Bromide Contaminated</u>					
10	<u>Centrifuge Tubes</u>	<u>2</u>	<u>1/2cu.ft.</u>	<u>NRM</u>		<u>NRM</u>
11						
12						
13						
14						
15						

I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. [Signature] 2. 10/17/90
SIGNATURE DATE

3. Laura R. Traweck 4. Operations Chemist
NAME (Type or Print) TITLE

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GENERATOR NAME: Veterans Administration
Medical Center
GENERATOR LOCATION: 4150 Clement St.
San Francisco CA 94121
DATE: 10/15/90
EPA ID: CA8360010323

LAB PACK CONTAINER NO: 2 PAGE 2 OF 10

DOT DESCRIPTION: Non-RCRA Hazardous Waste Liquid UN/ NA NO: N/A

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	0.5% Ruthenium Tetroxide/ 4% Osmium Tetroxide Solution	2	1gal	NRM		NRM
02	Fixer: Potassium Hydroxide, Sodium Sulfite, Ammonium Thiocyanate, Acetic Acid, Sodium Acetate, Aluminum Sulfate	2	1gal	NRM		NRM
03	Fixer: Ammonium Thiosulfate, Sodium Metasulfate, Ammonium Thiocyanate, Acetic Acid	3	gal	NRM		NRM
04	Potassium Iodide	1	1b	NRM		NRM
05	Potassium Iodide	1/4	1b	NRM		NRM
06	Sodium Thiosulfate	1	1b	NRM		NRM
07						
08						
09						
10						
11						
12						
13						
14						

I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. Laura R. Traweck 2. 10/17/90
SIGNATURE DATE
3. Laura R. Traweck 4. Operations Chemist
NAME (Type or Print) TITLE

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GENERATOR NAME: Veterans Administration DATE: 10/15/90
Medical Center
GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010323
San Francisco CA 94121

LAB PACK CONTAINER NO: 3 PAGE 3 OF 10
UN/

DOT DESCRIPTION: Waste Poison B Solid, NOS (D008) NA NO: UN2811

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	<u>Lead (dry)</u>	<u>10</u>	<u>gms</u>	<u>Poison B</u>	<u>UN2811</u>	<u>D008</u>
02						
03						
04						
05						
06						
07						
08						
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10						
11						
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15						
16						

I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. [Signature] 2. 10/17/90
SIGNATURE DATE

3. Laura R. Traweek 4. Operations Chemist
NAME (Type or Print) TITLE

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GENERATOR NAME: Veterans Administration DATE: 10/15/90
Medical Center
GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010323
San Francisco CA 94121

LAB PACK CONTAINER NO: 4 PAGE 4 OF 10

DOT DESCRIPTION: Waste Oxidizer, NOS (D001) UN/ NA NO: UN1479

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Osmium Tetroxide	1	pt	Oxidizer	UN1479	P087 D001
02	Osmium Tetroxide	30	mls	Oxidizer	UN1479	P087 D001
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						

I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. Laura R. Traweck 2. 10/17/90
SIGNATURE DATE
3. Laura R. Traweck 4. Operations Chemist
NAME (Type or Print) TITLE

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0818

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GENERATOR NAME: Veterans Administration DATE: 10/15/90
Medical Center
GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010323
San Francisco CA 94121

LAB PACK CONTAINER NO: 5 PAGE 5 OF 10
DOT DESCRIPTION: Waste Acid, Liquid, NOS (D002) UN/NA NO: NA1760
Corrosive Material
CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	<u>Chromerge</u>	<u>1</u>	<u>pt</u>	<u>Corr.Mat.</u>	<u>UN1755</u>	<u>D002</u>
02	<u>No Chromix in Sulfuric Acid</u>	<u>1</u>	<u>pt</u>	<u>Corr.Mat.</u>	<u>UN1830</u>	<u>D002</u>
03						
04						
05						
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16						

I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. *Laura R. Traweck* 2. 10/17/90
SIGNATURE DATE
3. Laura R. Traweck 4. Operations Chemist
NAME (Type or Print) TITLE

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0807

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GENERATOR NAME: Veterans Administration DATE: 10/15/90
Medical Center
GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco CA 94121

LAB PACK CONTAINER NO: 6 PAGE 6 OF 10

DOT DESCRIPTION: Waste Acetic Acid, Corrosive UN/ NA NO: UN2790
Material

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	Acetic Acid	2	L	Corr.Mat.	UN2790	D001
02	Citric Acid	2	100g	NRM		NRM
03						
04						
05						
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16						

I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. Laura R. Traweck 2. 10/17/90
SIGNATURE DATE

3. Laura R. Traweck 4. Operations Chemist
NAME (Type or Print) TITLE

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0613

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GENERATOR NAME: Veterans Administration DATE: 10/15/90
Medical Center
GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010323
San Francisco CA 94121

LAB PACK CONTAINER NO: 7 PAGE 7 OF 10

DOT DESCRIPTION: Waste Benzoyl Peroxide, Organic UN/ NA NO: NA2085
Peroxide

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01						
02	Benzoyl Peroxide 25%	2	gm	Org.Per.	NA2085	D003
03						
04						
05						
06						
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I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. [Signature] 2. 10/17/90
SIGNATURE DATE

3. Laura R. Traweek 4. Operations Chemist
NAME (Type or Print) TITLE

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00773

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GENERATOR NAME: Veterans Administration DATE: 10/15/90
Medical Center
GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010323
San Francisco CA 94121

LAB PACK CONTAINER NO: 8 PAGE 8 OF 10

DOT DESCRIPTION: Waste Cyanogen Bromide, Poison B UN/ NA NO: UN1889

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Cyanogen Bromide	1	gm	Poison B	UN1889	D003
02						
03						
04						
05						
06						
07						
08						
09						
10						
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I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. [Signature] 2. 10/17/90
SIGNATURE DATE

3. Laura R. Traweck 4. Operations Chemist
NAME (Type or Print) TITLE

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0819

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GENERATOR NAME: Veterans Administration DATE: 10/15/90
Medical Center
GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010323
San Francisco CA 94121

LAB PACK CONTAINER NO: 9 PAGE 9 OF 10

DOT DESCRIPTION: Waste Potassium Hydroxide, Solid UN/ NA NO: UN1813
Corrosive Material

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01						
02	Potassium Hydroxide	1/4	lb	Corr.Mat.	UN1813	NRM
03						
04						
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I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. Laura R. Traweck 2. 10/17/90
SIGNATURE DATE
3. Laura R. Traweck 4. Operations Chemist
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0879

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GENERATOR NAME: Veterans Administration DATE: 10/15/90
Medical Center
GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco CA 94121

LAB PACK CONTAINER NO: 10 PAGE 10 OF 10

DOT DESCRIPTION: Waste Corrosive Solid, NOS UN/ NA NO: UN1759
Corrosive Material (heptanoyl chloride)

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	Used Spill Kit for Heptanoyl Chloride (about 10mls spill) (also contaminated gloves and lab coat)	2 bags	1/2lb	Corr.Mat.	UN1759	D003
03						
04						
05						
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I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB-PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. [Signature] 2. 10/17/90
SIGNATURE DATE

3. Laura R. Traweck 4. Operations Chemist
NAME (Type or Print) TITLE

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GENERATOR NAME: Veterans Administration Medical Center DATE: 10/15/90
GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco CA 94121

LAB PACK CONTAINER NO: 5 PAGE 5 OF 10

DOT DESCRIPTION: Waste Acid, Liquid, NOS (D002) UN/ NA NO: NA1760
Corrosive Material

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Chromerge	1	pt	Corr.Mat.	UN1755	D007
02	No Chromix in Sulfuric Acid	1	pt	Corr.Mat.	UN1830	D002
03						
04						
05						
06						
07	MSP Approval #9011987					
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I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS INC. LAB PACK GUIDELINES.

1. Laura R. Traweck 2. 10/25/90
SIGNATURE DATE
3. Laura R. Traweck 4. Operations Chemist
NAME (Type or Print) TITLE

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GENERATOR NAME: Veterans Administration DATE: 10/15/90
Medical Center
GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010323
San Francisco CA 94121

LAB PACK CONTAINER NO: 6 PAGE 6 OF 10

DOT DESCRIPTION: Waste Acetic Acid, Corrosive UN/ NA NO: UN2790
Material

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	Acetic Acid	2	L	Corr.Mat.	UN2790	D002
02	Citric Acid	2	100g	NRM		NRM
03						
04						
05						
06	MSP Approval #9011987					
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I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. [Signature] 2. 10/25/90
SIGNATURE DATE
3. Laura R. Traweck 4. Operations Chemist
NAME (Type or Print) TITLE

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GENERATOR NAME: Veterans Administration DATE: 10/15/90
Medical Center
GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010323
San Francisco CA 94121

LAB PACK CONTAINER NO: 8 PAGE 8 OF 10

DOT DESCRIPTION: Waste Cyanogen Bromide, Poison B UN/ NA NO: UN1889

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	Cyanogen Bromide	1	gm	Poison B	UN1889	D003
02						
03						
04						
05						
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I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. Laura R. Traweck 2. 10/25/90
SIGNATURE DATE
3. Laura R. Traweck 4. Operations Chemist
NAME (Type or Print) TITLE

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0819

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GENERATOR NAME: Veterans Administration DATE: 10/15/90
Medical Center
GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco CA 94121

LAB PACK CONTAINER NO: 10 PAGE 10 OF 10

DOT DESCRIPTION: Waste Corrosive Solid, NOS UN/ NA NO: UN1759
Corrosive Material (heptanoyl chloride)

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	Used Spill Kit for Heptanoyl Chloride (about 10mls spill) (also contaminated gloves and lab coat)					
03		2 bags	1/2lb	Corr.Mat.	UN1759	D003
04	MSP Approval #9011987					
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I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. Laura R. Traweek 2. 10/25/90
SIGNATURE DATE
3. Laura R. Traweek 4. Operations Chemist
NAME (Type or Print) TITLE

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0888

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST NO 021478

Please print or type. (Form used for use on other (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0038. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. LA1010101131714181513181111011		Manifest Document No. 1111011		2. Page 1 Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Veterans Administration Medical Center 3801 Miranda Avenue Palo Alto, CA. 94304 4. Generator's Phone (415) 493-5000				A. State Manifest Document Number B. State Generator's ID C. State Transporter's ID D. Transporter's Phone No. E. State Transporter's ID F. Transporter's Phone No.			
5. Transporter 1 Company Name North State Environmental				6. US EPA ID Number LA1010101161013171318			
7. Transporter 2 Company Name				8. US EPA ID Number			
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380				10. US EPA ID Number LA10101011010151717016			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. Waste Corrosive Liquid, NOS, UN1760 Drums 5,6 Corrosive Material (D002)				2		50	
b. Waste Sodium Hydrosulfide, UN1384 Drum 7 Flammable Solid				1		10	
c. Waste Ethylene Dichloride, UN1184 Drum 8 Flammable Liquid				1		10	
d. Waste Flammable Liquid, Corrosive, UN2924, Drums 9,10 NOS Flammable Liquid (D001,D002)				2		20	
J. Additional Descriptions for Materials Listed Above Drum 5-15: A-169ALC A, B, C, D are 55 gal. drums. All are lab packs. See enclosed lists for contents. MSP approval code: NSTE/VMD/9011328/LP.				K. Handling Codes for Wastes Listed Above		D002 R D007 R D001 U077 K D001 D002/D003	
15. Special Handling Instructions and Additional Information Emergency Contact: Stu Bailey (415) 493-5000 Use gloves, goggles and respirator if drums are opened. IF UNABLE TO DELIVER, RETURN TO GENERATOR							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name E. P. SCHACK				Signature [Signature]		Month Day Year 11/10/90	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name LAURA R. TRAWER				Signature [Signature]		Month Day Year 11/10/90	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Darryl Gault							
Signature [Signature]				Month Day Year 11/14/90			

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 4307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST NO 022069

Use print or type. (Form designed for use on office (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Veterans Administration Medical Center 3801 Miranda Avenue Palo Alto, CA. 94304		4. Generator's Phone (415) 493-5000	5. US EPA ID Number CLAD981137141851310111010	6. State Manifest Document Number	A. State Generator's ID
5. Transporter 1 Company Name North State Environmental		6. US EPA ID Number CLAD981137141851310111010	7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID 104321
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number LA09811057706	D. Transporter's Phone (415) 588-2838		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. Waste Flammable Liquid, Poisonous, NOS, UN1992, Drum 1 Waste Flammable Liquid, (U188, p-nitroaniline)		2	100	P	P077 R U138
b. Waste Sodium Fluoride, Solid, ORM-B, UN1690, Drum 2		1	50	P	Non-HRRA
c. Waste Toluene Diisocyanate, Poison B, UN2078 Drum 3		1	10	P	D003 R U223
d. Waste Potassium Cyanide Solution, Poison B, UN1680 Drum 4		1	10	P	P098 R
J. Additional Descriptions for Materials Listed Above A: 30gal drums, Additional EPA #'s D001, U057, U219, U188. B: 30gal drum. C, D: 5gal drums. All are lab packs. See enclosed lists for contents. MSP approval code: NSTE/VMDG/9011328/LP.			K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information Emergency Contact: Stu Baile; (415) 493-5000 Use gloves, goggles, and respirator if drums are opened. IF UNABLE TO DELIVER, RETURN TO GENERATOR					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name K. P. SCHACH		Signature K. P. Schach		Month Day Year 11/10/90	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Laura R. TRAWEEK		Signature Laura R. Traweck		Month Day Year 11/10/90	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Garry Guiltor					
Signature Garry Guiltor		Signature Garry Guiltor		Month Day Year 11/14/90	

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MATERIALS CHARACTERIZATION DATA SHEET

SEP 28 1990

MARINE SHALE PROCESSORS, INC.

110 JAMES DRIVE WEST • SUITE 218 • SAINT ROSE, LA 70087 • TELEPHONE (504) 489-3318

For MSP Use Only

Previous MSP Reference No. _____

Approval Code _____

A. Generator Information

Generator Name Veterans Administration Medical Center
Site Address 3801 Miranda Ave
City Palo Alto State CA Zip Code 94304
Generator Contact Stu Bailey
Title Industrial Hygienist
Telephone No. (415) 493-5500
Facility EPA ID No. CAD981374853

B. Customer Information

Company Name North State Environmental
Contact Linda McCormick
Address 90 So. Spruce Ave. Ste. W
So. San Francisco CA 94080
Telephone No. (415) 588-9694
For Customer Use 2x30gal LP, 7x5gal LP
1x16gal LP

C. Chemical Composition and Regulatory Information

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

MIN

MAX

LAB PACKS - SEE ATTACHED SHEETSGenerating Process: DISPOSAL OF SURPLUS/OUTDATED RESEARCH CHEMICALSCommon Name of Waste: LAB PACKS☐ Non-Regulated ☒ RCRA Regulated ☒ Land Ban EPA Waste Code(s) SEE ATTACHED SHEETSHas MSP received a representative sample? ☐ Yes ☒ No

D. Physical Chemical Properties

TCLP (MGL)

(Indicate Actual Value, or 0)

D004 Arsenic _____

D005 Barium _____

D018 Benzene _____

D006 Cadmium _____

D019 Carbon Tetrachloride _____

D020 Chloroform _____

D021 Chlorobenzene _____

D022 Chloroform _____

D007 Chromium _____

D023 o-Cresol _____

D024 m-Cresol _____

D025 p-Cresol _____

D026 Cresol _____

D016 2,4-D _____

D027 1,4-Dichlorobenzene _____

D028 1,2-Dichloroethane _____

D029 1,1-Dichloroethylene _____

D030 2,4-Dinitrotoluene _____

D012 Endrin _____

D031 Heptachlor _____

D032 Hexachlorobenzene _____

D033 Hexachlorobutadiene _____

D008 Lead _____

D013 Lindane _____

D009 Mercury _____

D014 Methoxychlor _____

D035 Methyl Ethyl Ketone _____

D036 Nitrobenzene _____

D037 Pentachlorophenol _____

D038 Pyridine _____

D010 Selenium _____

D011 Silver _____

D039 Tetrachloroethylene _____

D015 Toxaphene _____

D040 Trichloroethylene _____

D041 2,4,5-Trichlorophenol _____

D042 2,4,6-Trichlorophenol _____

D017 2,4,5-TP Silver _____

D043 Vinyl Chloride _____

Indicate actual ppm of the

following compounds:

Nickel _____

Thallium _____

PCB _____

Cyanides _____

Sulfides _____

Dioxin _____

BTU's per lb

(list actual value)

pH

☐ > 2 - 6 ☐ > 6 - 10☐ > 10 - < 12.5

ASH (list actual Wt %)

If < 2 or > 12.5

list actual

Halogens (Wt %) < 1 1-5 5-10

☐ Iodine ☐ ☐☐ Bromine ☐ ☐☐ Chlorine ☐ ☐☐ Fluorine ☐ actual Wt %

If > 10 list actual Wt %

Water (Wt %)

☐ < 1 ☐ 5 - 10☐ 1 - 5 ☐ > 10

If < 1 or > 10

list actual

Flash Point (closed cup)

☐ < 100° F☐ 100° F - 139° F☐ 140° F - 200° F

If < 100 or > 200

list actual

Specific Gravity

☐ < 0.8 ☐ 1.2 - 1.4☐ 0.8 - 1.0 ☐ 1.4 - 1.7☐ 1.0 - 1.2 ☐ > 1.7

If < 0.8 or > 1.7

list actual

Sulfur (Wt %)

☐ > 1

If > 1 list actual

Viscosity

(for bulk liquids only)

list actual in centipoise

_____ cp

Total Suspended Solids

(Wt % for bulk liquids only)

☐ 5 - 20

if > 20

list actual

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3301 Miranda Ave EPA ID: CAD961374851
Palo Alto CA 94304

LAB PACK CONTAINER NO: 1 PAGE 1A OF 10

DOT DESCRIPTION: Waste Flammable Liquid, Poisonous, UN/ NA NO: UN1992
NOS, Flammable Liquid (contains:D001,U188)

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	Proglumide	2	1kg	NRM		NRM
02	Quinine Sulfate (50pills/bottle)	200	325mg	NRM		NRM
03	Methyl Paraben	20	gm	NRM		NRM
04	Propyl Paraben	15	gm	NRM		NRM
05	Small Plastic Funnel	1	oz	NRM		NRM
06	2,5-Diphenyloxazole	10	gm	NRM		NRM
07	Hydroxide of Hyamine	2	500ml	NRM		NRM
08	2-Ethylanthraquinone (97%)	100	gm	NRM		NRM
09	Phenol Reagent	350	ml	Poison B	NA2821	U188
10	p-nitroaniline	100	gm	Poison B	UN1661	P077
11	p-Phenylenediamine Dihydrochloride	150	gm	NRM		NRM
12	Phenylbutazone	25	gm	NRM		NRM
13	6-Propylthiouracil	25	gm	NRM		NRM
14	gamma-Hydroxybuteric Acid	100	gm	NRM		NRM
15	Ethylenediamine Tetraacetic Acid-Sodium Salt	200	gm	NRM		NRM

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1. Laura R. Traweck 2. 9/21/90
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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 1311 Miranda Ave EPA ID: CAD93107411
Palo Alto CA 94304

LAB PACK CONTAINER NO: 1 PAGE 1B OF 10

DOT DESCRIPTION: Waste Flammable Liquid, Poisonous, UN/ NA NO: UN1992
NOS, Flammable Liquid (contains:D001,U188)
CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	Quercetin	25	gm	NRM		NRM
02	2,5-Diphenyloxazole	100	gm	NRM		NRM
03	2,5-Diphenyloxazole	25	gm	NRM		NRM
04	Amino-N-Caproic Acid	100	gm	NRM		NRM
05	Palmitate Methyl	1	gm	NRM		NRM
06	Capsaicin	1	gm	NRM		NRM
07	o-Phthaldialdehyde	1	gm	NRM		NRM
08	N-1-Naphthylethylenediamine Dihydro-Chloride	25	gm	NRM		NRM
09	Methyl Iodide	10	oz	NRM		U138
10	Ninhydrin	5	gm	NRM		NRM
11	Polyethylene powder	1	gm	NRM		NRM
12	Benzamidine Hydrochloride	15	gm	NRM		NRM
13	1,2,3-Indantrione Monohydrate	2.5	gm	NRM		NRM
14	Palmitic Acid	25	gm	NRM		NRM
15	Quinine Sulfate.2H ₂ O	25	gm	NRM		NRM

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3301 Miranda Ave EPA ID: CAD981074851
Palo Alto CA 94304

LAB PACK CONTAINER NO: 1 PAGE 1C OF 10

DOT DESCRIPTION: Waste Flammable Liquid, Poisonous, UN/ NA NO: UN1992
NOS, Flammable Liquid (contains:D001,U188)

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	Sucrose Octaacetate	250	gm	NRM		NRM
02	Dimethyl POPOP (ion exchange resin)	5	gm	NRM		NRM
03	Dimethyl POPOP (ion exchange resin)	4.8	gm	NRM		NRM
04	Hippuric Acid Sodium Salt	2	25gm	NRM		NRM
05	Hydroxylamine Hydrochloride	1	lb	NRM		NRM
06	2-Methylbutane (isopentane)	250	ml	Flam.Liq.	UN1265	D001
07	Cyclohexanone, purified	2	1pt	NRM		U057
08	Vitamine C	500	gm	NRM		NRM
09	Sephadex G-25 fine (gel filtration)	500	gm	NRM		NRM
10	Mannitol	250	gm	NRM		NRM
11	Lactose	100	gm	NRM		NRM
12	Proglumide	50	gm	NRM		NRM
13	Dicyclohexanone Oxalyldihydrazone	25	gm	NRM		NRM
14	Lidocaine	200	gm	NRM		NRM
15	Lidocaine	5	gm	NRM		NRM

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3301 Miranda Ave EPA ID: CA000117401
Palo Alto CA 94304

LAB PACK CONTAINER NO: 1 PAGE 1D OF 10
UN/

DOT DESCRIPTION: Waste Flammable Liquid, Poisonous, NA NO: UN1992
NOS, Flammable Liquid (contains:D001,U188)

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Hemoglobin	200	gm	NRM		NRM
02	Lidocaine	100	gm	NRM		NRM
03	Choline Chloride	2	100gm	NRM		NRM
04	Hengar Granules	250	gm	NRM		NRM
05	Activated Charcoal	25	gm	Flam.Sol.	NA1361	D001
06	p-Dimethylaminobenzaldehyde	25	gm	NRM		NRM
07	Boiling Chips	10	gm	NRM		NRM
08	Quinine Sulfate-capsules	5	gm	NRM		NRM
09	1,4-di[2-(5-phenyloxazolyl)] benzene	5	gm	NRM		NRM
10	Polyvinylpyrrolidone	200	gm	NRM		NRM
11	Sodium Saccharin	50	gm	NRM		NRM
12	Quinacrine (atabrine)	4	100mg	NRM		NRM
13	Sodium Carbonate	1	gm	NRM		NRM
14	Nicotinamide	1	lb	NRM		NRM
15	Choline Chloride	1/2	kg	NRM		NRM
16	Molecular Sieves	2	1gal	NRM		NRM

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3301 Miranda Ave EPA ID: CAD981074851
Palo Alto CA 94304

LAB PACK CONTAINER NO: 1 PAGE 1E OF 10
UN/

DOT DESCRIPTION: Waste Flammable Liquid, Poisonous, NA NO: UN1992
NOS, Flammable Liquid (contains:D001,U188)

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Tannic Acid	1/4	lb	NRM		NRM
02	Silica Gel	1/2	gal	NRM		NRM
03	Choline Chloride	1	kg	NRM		NRM
04	Bovine Gamma Globulin	1	gm	NRM		NRM
05	Griseofulvin (7-chloro-2',4,6-trimethoxy-6'-p-methylspiro[benzofuran-2(3H),1'(2)cyclohexene]-3,4'-dione)	5	gm	NRM		NRM
06	Sinimet (25mg carbidopa,250mg levodopa)	100	tablets	NRM		NRM
07	Regitine Mesylate	2	5mg	NRM		NRM
08	Ficoll 400 (anionic synthetic polymer of sucrose)	100	gm	NRM		NRM
09	D-Mannitol	500	gm	NRM		NRM
10	Trizma Base (tromethamine)	100	gm	NRM		NRM
11	Thiourea	1	kg	NRM		U219
12	1% Phenol Red	50	ml	NRM		U188
13	Trypsin 1:250	2	100gm	NRM		NRM
14	Sodium Citrate - dihydrate	500	gm	NRM		NRM

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3301 Miranda Ave EPA ID: CAD981074811
Palo Alto CA 94304

LAB PACK CONTAINER NO: 1 PAGE 1F OF 10
UN/
DOT DESCRIPTION: Waste Flammable Liquid, Poisonous, NA NO: UN1992
NOS, Flammable Liquid (contains:D001,U188)
CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	b-Nicotineamide Adenine Dinucleotide	30	5mg	NRM		NRM
02	Trypticase Soy Agar	2	500gm	NRM		NRM
03	Ficoll 70 (see Ficoll 400)	100	gm	NRM		NRM
04	Mannitol 25%	15	50ml	NRM		NRM
05	Hematoxylin	4	L	NRM		NRM
06	Hematoxylin	2	L	NRM		NRM
07	Rubber Cement	2	oz	Flam.Liq.	NA1133	D001
08	Dow Corning 200 Fluid (silicone fluid)	1	pt	NRM		NRM
09	Phenol	100	gm	Poison B	UN1671	U188
10	Phenol Reagent	100	ml	Poison B	NA2821	U188
11	Nutrient Agar	1/2	lb	NRM		NRM
12	Dow Corning 200 Fluid (silicone fluid)	1/2	pt	NRM		NRM
13	Dextrose Anhydrous	1	lb	NRM		NRM
14	Methyl Viologen	50	gm	NRM		NRM
15	Parowax	1	lb	NRM		NRM
16	Ethidium Bromide Waste (gloves,etc)	1	gal	NRM		NRM

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3801 Miranda Ave EPA ID: CAD001074181
Palo Alto CA 94304

LAB PACK CONTAINER NO: 1 PAGE 1G OF 10

DOT DESCRIPTION: Waste Flammable Liquid, Poisonous, UN/ NA NO: UN1992
NOS, Flammable Liquid (contains: D001, U188)

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Hypaque Sodium 50%	10	50mls	NRM		NRM
02	Glutaraldehyde 70%	50	2mls	NRM		NRM
03	Eastman: Diphenylamine	100	gm	Comb.Liq.	NA1993	NRM
04	Xanthine	2	25gm	NRM		NRM
05	Xanthine	10	gm	NRM		NRM
06	Mounting Glue, solid	50	gm	NRM		NRM
07	Ficoll	100	gm	NRM		NRM
08	Ethylenediamine Tetraacetic Acid	50	gm	NRM		NRM
09	Panheprin	24	10mls	NRM		NRM
10	Sodium Deoxycholate	25	gm	NRM		NRM
11	Hypoxanthine	25	gm	NRM		NRM
12	Thymidine	10	gm	NRM		NRM
13	DL-Histidine	100	gm	NRM		NRM
14	Sigma 7-9 (Tris[hydroxymethyl]-amino methane	1	kg	NRM		NRM
15	D-Mannitol	500	gm	NRM		NRM

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1. Laura R. Traweck 2. 9/21/90
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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3801 Miranda Ave EPA ID: CAD981874881
Palo Alto CA 94304

LAB PACK CONTAINER NO: 1 PAGE 1H OF 10

DOT DESCRIPTION: Waste Flammable Liquid, Poisonous, UN/ UN1992
NOS, Flammable Liquid (contains:D001,U188)

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Silicone Oil	50	ml	NRM		NRM
02	Deoxycorticosterone Acetate	1	gm	NRM		NRM
03	Penicillin - G	2	10gm	NRM		NRM
04	Scopoletin	1	gm	NRM		NRM
05	Progesterone	1	gm	NRM		NRM
06	Thymidine	1	gm	NRM		NRM
07	alpha-Aminoisobutyric Acid	25	gm	NRM		NRM
08	alpha-Aminoisobutyric Acid	1	gm	NRM		NRM
09	Absolute Ethanol	3	ml	Flam.Liq.	UN1170_D001	
10	Sodium Tartrate	1	lb	NRM		NRM
11	Dextrose, Anhydrous	50	gm	NRM		NRM
12	Siladar (pH = 7)	150	ml	NRM		NRM
13	alpha-D(+)-Glucose	10	kg	NRM		NRM
14						
15						
16						

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1. [Signature] 2. 9/21/90
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3. Laura R. Traweck 4. Operations Chemist
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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3801 Miranda Ave EPA ID: CAD381074111
Palo Alto CA 94304

LAB PACK CONTAINER NO: 2 PAGE 2 OF 10

DOT DESCRIPTION: Waste Sodium Fluoride, Solid, ORM-B UN/ NA NO: UN1690

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	Sodium Phosphate	500	gm	NRM		NRM
02	Magnesium Chloride.6H ₂ O	50	gm	NRM		NRM
03	Sodium Sulfite anhydrous	50	gm	NRM		NRM
04	Acid Washed Glass Beads	1/4	lb	NRM		NRM
05	Copper Sulfate	5	gm	NRM		NRM
06	Sodium Fluoride	250	gm	ORM-B	UN1690	NRM
07	Potassium Chloride	100	gm	NRM		NRM
08	Manganese Chloride	100	gm	NRM		NRM
09	Magnesium Chloride	1	kg	NRM		NRM
10	Potassium Phosphate - Monobasic	1/2	lb	NRM		NRM
11	Potassium Phosphate - Monobasic	3 1/2	lbs	NRM		NRM
12	Magnesium Sulfate.7H ₂ O	3	50gm	NRM		NRM
13	Sodium Hydrophosphate	10	gm	NRM		NRM
14	Cupric Sulfate	100	gm	NRM		NRM
15	Sodium Sulfite	25	lbs	NRM		NRM
16						

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3801 Miranda Ave EPA ID: CAD961074851
Palo Alto CA 94304

LAB PACK CONTAINER NO: 3 PAGE 3 OF 10

DOT DESCRIPTION: Waste Toluene Diisocyanate, Poison B UN/ NA NO: UN2078

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	Eastman: tolylene-2,4-diisocyanate	1	kg	Poison B	UN2078	D003, U223
02	Dodecylsuccinic Anhydride	1	qt	NRM		NRM
03						
04						
05						
06						
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I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

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NAME (Type or Print) TITLE

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3301 Miranda Ave EPA ID: CA033174111
Palo Alto CA 94304

LAB PACK CONTAINER NO: 4 PAGE 4 OF 10

DOT DESCRIPTION: Waste Potassium Cyanide Solution, Poison B UN/ NA NO: UN1680

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	Potassium Cyanide	2	1/4lb	Poison B	UN1680	P098
02	Potassium Cyanide (broken bottle in metal cylinder)	1	pt	Poison B	UN1680	P098
03						
05						
06						
07						
08						
09						
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11						
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14						
15						
16						

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3801 Miranda Ave EPA ID: CAD081074881
Palo Alto CA 94304

LAB PACK CONTAINER NO: 5 PAGE 5 OF 10

DOT DESCRIPTION: Waste Corrosive Liquid, NOS, UN/ NA NO: UN1760
Corrosive Material (contains:D002)

CONTAINER SIZE: 16gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	Trichloroacetic Acid	500	gm	Corr.Mat.	UN1839	NRM
02	Benzoic Acid	50	gm	NRM		NRM
03	Salicylic Acid	1/4	lb	NRM		NRM
04	Dowex 50W-X4 (ion exchange resin)	100	gm	NRM		NRM
05	Diacetylmonotrione < 17mmol, + Thiosemicarbazide < 3.5mmol, + Sodium Hydroxide < 0.5N, Phosphoric Acid < 50%, Sulfuric Acid < 10% (pH < 2)					
		3	4L	Corr.Mat.	UN1760	D002
06	Turk Solution (1% Acetic Acid)	50	ml	NRM		NRM
07	Trifluoroacetic Anhydride	5	100gm	Corr.Mat.	UN1759	NRM
08	Mercapto Acetic Acid	100	gm	Corr.Mat.	UN1759	NRM
09						
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1. [Signature] 2. 9/21/90
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3. Laura R. Traweck 4. Operations Chemist
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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3801 Miranda Ave EPA ID: CA0000174111
Palo Alto CA 94304

LAB PACK CONTAINER NO: 6 PAGE 6 OF 10

DOT DESCRIPTION: Waste Corrosive Liquid, NOS, UN/ NA NO: UN1760
Corrosive Material (contains:D002)

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	Aluminum Oxide	2	100gm	NRM		NRM
02	Sodium Hydroxide	4	oz	Corr.Mat.	UN1823	D002
03	Magnesium Oxide	100	gm	NRM		NRM
04	Hydrazine Hydrate	500	ml	Corr.Mat.	UN2030	D002
05	Hydrazine Hydrate	4	oz	Corr.Mat.	UN2030	D002
06	Clorox Bleach (sodium hypochlorite)	150	ml	Corr.Mat.	UN1791	D002
07	2% Sodium Carbonate in 0.1N NaOH	100	ml	Corr.Mat.	UN1760	D002
08	Soda Lime	1	lb	Corr.Mat.	UN1907	NRM
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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3801 Miranda Ave EPA ID: CA000117411
Palo Alto CA 94304

LAB PACK CONTAINER NO: 7 PAGE 7 OF 10

DOT DESCRIPTION: Waste Sodium Hydrosulfite, UN/ NA NO: UN1384
Flammable Solid

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	Potassium Chromate	5	gm	NRM		NRM
02	Sodium Hydrosulfite	1	lb	Flam.Sol.	UN1384	D001
03	Sodium Hydrosulfite	2	1gm	Flam.Sol.	UN1384	D001
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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3801 Miranda Ave EPA ID: CAD981374853
Palo Alto CA 94304

LAB PACK CONTAINER NO: 8 PAGE 8 OF 10

DOT DESCRIPTION: Waste Ethylene Dichloride, UN/ UN1184
Flammable Liquid NA NO:

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01						
02	<u>Ethylene Dichloride</u>	<u>150</u>	<u>mls</u>	<u>Flam.Liq.</u>	<u>UN1184</u>	<u>D001</u>
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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3801 Miranda Ave EPA ID: CAD981374353
Palo Alto CA 94304

LAB PACK CONTAINER NO: 9 PAGE 9 OF 10
UN/

DOT DESCRIPTION: Waste Flammable Liquid, Corrosive, NA NO: UN2924
NOS Flammable Liquid (contains: D001,D002)
CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Pierce Sulfosil (Dichlorooctamethyltetra Siloxane)	4	L	Flam.Liq.	UN2924	D001, D002, D003
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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3301 Miranda Ave EPA ID: CAD9107431
Palo Alto CA 94304

LAB PACK CONTAINER NO: 10 PAGE 10 OF 10
UN/

DOT DESCRIPTION: Waste Flammable Liquid, Corrosive, NA NO: UN2924
NOS, Flammable Liquid (contains: D001, D002)
CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Pierce Sulfosil					D001
	(Dichlorooctamethyltetra Siloxane)	3	L	Flam.Liq.	UN2924	D002
02						D003
03						
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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3801 Miranda Ave EPA ID: CA099117411
Palo Alto CA 94304

LAB PACK CONTAINER NO: 1 PAGE 1A OF 10
UN/
DOT DESCRIPTION: Waste Flammable Liquid, Poisonous, NA NO: UN1992
NOS, Flammable Liquid (U188, p-nitroaniline)
CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) MCDS #9011328 (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Proglumide	2	1kg	NRM		NRM
02	Quinine Sulfate (50pills/bottle)	200	325mg	NRM		NRM
03	Methyl Paraben	20	gm	NRM		NRM
04	Propyl Paraben	15	gm	NRM		NRM
05	Small Plastic Funnel	1	oz	NRM		NRM
06	2,5-Diphenyloxazole	10	gm	NRM		NRM
07	Hydroxide of Hyamine	2	500ml	NRM		NRM
08	2-Ethylanthraquinone (97%)	100	gm	NRM		NRM
09	alpha-D(+)-Glucose	10	kg	NRM		NRM
10	p-nitroaniline	100	gm	Poison B	UN1661_P077	
11	p-Phenylenediamine Dihydrochloride	150	gm	NRM		NRM
12	Phenylbutazone	25	gm	NRM		NRM
13	6-Propylthiouracil	25	gm	NRM		NRM
14	gamma-Hydroxybuteric Acid	100	gm	NRM		NRM
15	Ethylenediamine Tetraacetic Acid-Sodium Salt	200	gm	NRM		NRM

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3801 Miranda Ave EPA ID: CAD98107417
Palo Alto CA 94304

LAB PACK CONTAINER NO: 1 PAGE 1B OF 10
UN/

DOT DESCRIPTION: Waste Flammable Liquid, Poisonous, NA NO: UN1992
NOS, Flammable Liquid (U188, p-nitroaniline)

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) MCDS #9011328 (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Quercetin	25	gm	NRM		NRM
02	2,5-Diphenyloxazole	100	gm	NRM		NRM
03	2,5-Diphenyloxazole	25	gm	NRM		NRM
04	Amino-N-Caproic Acid	100	gm	NRM		NRM
05	Palmitate Methyl	1	gm	NRM		NRM
06	Capsaicin	1	gm	NRM		NRM
07	o-Phthaldialdehyde	1	gm	NRM		NRM
08	N-1-Naphthythylethylenediamine Dihydro-Chloride	25	gm	NRM		NRM
09	Methyl Iodide	10	oz	NRM		U138
10	Ninhydrin	5	gm	NRM		NRM
11	Polyethylene powder	1	gm	NRM		NRM
12	Benzamidine Hydrochloride	15	gm	NRM		NRM
13	1,2,3-Indantrione Monohydrate	2.5	gm	NRM		NRM
14	Palmitic Acid	25	gm	NRM		NRM
15	Quinine Sulfate.2H ₂ O	25	gm	NRM		NRM

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3301 Miranda Ave EPA ID: CAD001174111
Palo Alto CA 94304

LAB PACK CONTAINER NO: 1 PAGE 1C OF 10

DOT DESCRIPTION: Waste Flammable Liquid, Poisonous, UN/ NA NO: UN1992
NOS, Flammable Liquid (U188, p-nitroaniline)

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) MCDS #9011328 (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Sucrose Octaacetate	250	gm	NRM		NRM
02	Dimethyl POPOP (ion exchange resin)	5	gm	NRM		NRM
03	Dimethyl POPOP (ion exchange resin)	4.8	gm	NRM		NRM
04	Hippuric Acid Sodium Salt	2	25gm	NRM		NRM
05	Hydroxylamine Hydrochloride	1	lb	NRM		NRM
06	2-Methylbutane (isopentane)	250	ml	Flam.Liq.	UN1265	D001
07	Cyclohexanone, purified	2	1pt	NRM		U057
08	Vitamine C	500	gm	NRM		NRM
09	Sephadex G-25 fine (gel filtration)	500	gm	NRM		NRM
10	Mannitol	250	gm	NRM		NRM
11	Lactose	100	gm	NRM		NRM
12	Proglumide	50	gm	NRM		NRM
13	Dicyclohexanone Oxalyldihydrazone	25	gm	NRM		NRM
14	Lidocaine	200	gm	NRM		NRM
15	Lidocaine	5	gm	NRM		NRM

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3301 Miranda Ave EPA ID: CAD991074000
Palo Alto CA 94304

LAB PACK CONTAINER NO: 1 PAGE 1D OF 10
UN/

DOT DESCRIPTION: Waste Flammable Liquid, Poisonous, NOS, Flammable Liquid (U188, p-nitroaniline) NA NO: UN1992

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) MCDS #9011328 (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Hemoglobin	200	gm	NRM		NRM
02	Lidocaine	100	gm	NRM		NRM
03	Choline Chloride	2	100gm	NRM		NRM
04	Hengar Granules	250	gm	NRM		NRM
05	Activated Charcoal	25	gm	Flam.Sol.	NA1361	D001
06	p-Dimethylaminobenzaldehyde	25	gm	NRM		NRM
07	Boiling Chips	10	gm	NRM		NRM
08	Quinine Sulfate-capsules	5	gm	NRM		NRM
09	1,4-di(2-(5-phenyloxazolyl)) benzene	5	gm	NRM		NRM
10	Polyvinylpyrrolidone	200	gm	NRM		NRM
11	Sodium Saccharin	50	gm	NRM		NRM
12	Quinacrine (atabrine)	4	100mg	NRM		NRM
13	Sodium Carbonate	1	gm	NRM		NRM
14	Nicotinamide	1	lb	NRM		NRM
15	Choline Chloride	1/2	kg	NRM		NRM
16	Molecular Sieves	2	1gal	NRM		NRM

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3801 Miranda Ave EPA ID: CAD0000000
Palo Alto CA 94304

LAB PACK CONTAINER NO: 1 PAGE 1E OF 10

DOT DESCRIPTION: Waste Flammable Liquid, Poisonous, UN/ NA NO: UN1992
NOS, Flammable Liquid (U188, p-nitroaniline)

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) MCDS #9011328 (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Tannic Acid	1/4	lb	NRM		NRM
02	Silica Gel	1/2	gal	NRM		NRM
03	Choline Chloride	1	kg	NRM		NRM
04	Bovine Gamma Globulin	1	gm	NRM		NRM
05	Griseofulvin (7-chloro-2',4,6-trimethoxy-6'-p-methylspiro[benzofuran-2(3H),1'[2]cyclohexene]-3,4'-dione)	5	gm	NRM		NRM
06	Sinimet (25mg carbidopa,250mg levodopa)	100	tablets	NRM		NRM
07	Regitine Mesylate	2	5mg	NRM		NRM
08	Ficoll 400 (anionic synthetic polymer of sucrose)	100	gm	NRM		NRM
09	D-Mannitol	500	gm	NRM		NRM
10	Trizma Base (tromethamine)	100	gm	NRM		NRM
11	Thiourea	1	kg	NRM		U219
12	1% Phenol Red	50	ml	NRM		U188
13	Trypsin 1:250	2	100gm	NRM		NRM
14	Sodium Citrate - dihydrate	500	gm	NRM		NRM

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3301 Miranda Ave EPA ID: CA011000001
Palo Alto CA 94304

LAB PACK CONTAINER NO: 1 PAGE 1F OF 10

DOT DESCRIPTION: Waste Flammable Liquid, Poisonous, UN/ NA NO: UN1992
NOS, Flammable Liquid (U188, p-nitroaniline)

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) MCDS #9011328 (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	b-Nicotineamide Adenine Dinucleotide	30	5mg	NRM		NRM
02	Trypticase Soy Agar	2	500gm	NRM		NRM
03	Ficoll 70 (see Ficoll 400)	100	gm	NRM		NRM
04	Mannitol 25%	15	50ml	NRM		NRM
05	Hematoxylin	4	L	NRM		NRM
06	Hematoxylin	2	L	NRM		NRM
07	Rubber Cement	2	oz	Flam. Liq. NA1133	D001	
08	Dow Corning 200 Fluid (silicone fluid)	1	pt	NRM		NRM
09	Phenol	100	gm	Poison B	UN1671	U188
10	Siladar (pH = 7)	150	ml	NRM		NRM
11	Nutrient Agar	1/2	lb	NRM		NRM
12	Dow Corning 200 Fluid (silicone fluid)	1/2	pt	NRM		NRM
13	Dextrose Anhydrous	1	lb	NRM		NRM
14	Methyl Viologen	50	gm	NRM		NRM
15	Parowax	1	lb	NRM		NRM
16	Ethidium Bromide Waste (gloves, etc)	1	gal	NRM		NRM

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3321 Miranda Ave EPA ID: CAD00117
Palo Alto CA 94304

LAB PACK CONTAINER NO: 1 PAGE 1G OF 10
UN/

DOT DESCRIPTION: Waste Flammable Liquid, Poisonous, UN1992
NOS, Flammable Liquid (U188, p-nitroaniline)

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) MCDS #9011328 (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Hypaque Sodium 50%	10	50mls	NRM		NRM
02	Glutaraldehyde 70%	50	2mls	NRM		NRM
03	Eastman: Diphenylamine	100	gm	NRM		NRM
04	Xanthine	2	25gm	NRM		NRM
05	Xanthine	10	gm	NRM		NRM
06	Mounting Glue, solid	50	gm	NRM		NRM
07	Ficoll	100	gm	NRM		NRM
08	Ethylenediamine Tetraacetic Acid	50	gm	NRM		NRM
09	Panheprin	24	10mls	NRM		NRM
10	Sodium Deoxycholate	25	gm	NRM		NRM
11	Hypoxanthine	25	gm	NRM		NRM
12	Thymidine	10	gm	NRM		NRM
13	DL-Histidine	100	gm	NRM		NRM
14	Sigma 7-9 (Tris[hydroxymethyl]-amino methane)	1	kg	NRM		NRM
15	D-Mannitol	500	gm	NRM		NRM

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1. [Signature] 2. 10/5/90
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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3301 Miranda Ave EPA ID: CAD981074881
Palo Alto CA 94304

LAB PACK CONTAINER NO: 1 PAGE 1H OF 10
UN/

DOT DESCRIPTION: Waste Flammable Liquid, Poisonous, NOS, Flammable Liquid (U188, p-nitroaniline) NA NO: UN1992

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) MCDS #9011328 (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Silicone Oil	50	ml	NRM		NRM
02	Deoxycorticosterone Acetate	1	gm	NRM		NRM
03	Penicillin - G	2	10gm	NRM		NRM
04	Scopoletin	1	gm	NRM		NRM
05	Progesterone	1	gm	NRM		NRM
06	Thymidine	1	gm	NRM		NRM
07	alpha-Aminoisobutyric Acid	25	gm	NRM		NRM
08	alpha-Aminoisobutyric Acid	1	gm	NRM		NRM
09	Absolute Ethanol	3	ml	Flam.Liq.	UN1170_D001	
10	Sodium Tartrate	1	lb	NRM		NRM
11	Dextrose, Anhydrous	50	gm	NRM		NRM
12						
13						
14						
15						
16						

I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. [Signature] 2. 10/5/90
SIGNATURE DATE
3. Laura R. Traweck 4. Operations Chemist
NAME (Type or Print) TITLE

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3301 Miranda Ave EPA ID: CAD991274351
Palo Alto CA 94304

LAB PACK CONTAINER NO: 5 PAGE 5 OF 10

DOT DESCRIPTION: Waste Corrosive Liquid, NOS, UN/ NA NO: UN1760
Corrosive Material (D002)

CONTAINER SIZE: 16gal CONTAINER TYPE: poly
(30 Gal. or less) MCDS #9011328 (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Trichloroacetic Acid	500	gm	Corr.Mat.	UN1839	NRM
02	Benzoic Acid	50	gm	NRM		NRM
03	Salicylic Acid	1/4	lb	NRM		NRM
04	Dowex 50W-X4 (ion exchange resin)	100	gm	NRM		NRM
05	Diacetylmonotrione < 17mmol, + Thiosemicarbazide < 3.5mmol, + Sodium Hydroxide < 0.5N, Phosphoric Acid < 50%, Sulfuric Acid < 10% (pH < 2)					
		3	4L	Corr.Mat.	UN1760	D002
06	Turk Solution (1% Acetic Acid)	50	ml	NRM		NRM
07	Trifluoroacetic Anhydride	5	100gm	Corr.Mat.	UN1759	NRM
08	Mercapto Acetic Acid	100	gm	Corr.Mat.	UN1760	NRM
09	Phenol Reagent	350	ml	Corr.Mat.	UN1760	D002
10	Phenol Reagent	100	ml	Corr.Mat.	UN1760	D002
11						
12						
13						
14						
15						

I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. [Signature] 2. 10/5/90
SIGNATURE DATE

3. Laura R. Traweck 4. Operations Chemist
NAME (Type or Print) TITLE

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3301 Miranda Ave EPA ID: CAD1100001
Palo Alto CA 94304

LAB PACK CONTAINER NO: 6 PAGE 6 OF 10

DOT DESCRIPTION: Waste Corrosive Liquid, NOS, UN/ NA NO: UN1760
Corrosive Material (contains:D002)

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) MCDS #9011328 (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	Aluminum Oxide	2	100gm	NRM		NRM
02	Sodium Hydroxide	4	oz	Corr.Mat.	UN1823	D002
03	Magnesium Oxide	100	gm	NRM		NRM
04	Hydrazine Hydrate	500	ml	Corr.Mat.	UN2030	D002
05	Hydrazine Hydrate	4	oz	Corr.Mat.	UN2030	D002
06	Clorox Bleach (sodium hypochlorite)	150	ml	Corr.Mat.	UN1791	D002
07	2 $\frac{1}{2}$ Sodium Carbonate in 0.1N NaOH	100	ml	Corr.Mat.	UN1760	D002
08	Soda Lime	1	lb	Corr.Mat.	UN1907	NRM
09						
10						
11						
12						
13						
14						
15						
16						

I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. Laura R. Traweck 2. 9/21/90
SIGNATURE DATE

3. Laura R. Traweck 4. Operations Chemist
NAME (Type or Print) TITLE

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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3301 Miranda Ave EPA ID: CA000107411
Palo Alto CA 94304

LAB PACK CONTAINER NO: 7 PAGE 7 OF 10

DOT DESCRIPTION: Waste Sodium Hydrosulfite, UN/ NA NO: UN1384
Flammable Solid

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) MCDS #9011328 (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	Potassium Chromate	5	gm	NRM		D007
02	Sodium Hydrosulfite	1	lb	Flam.Sol.	UN1384	D001
03	Sodium Hydrosulfite	2	1gm	Flam.Sol.	UN1384	D001
04						
05						
06						
07						
08						
09						
10						
11						
12						
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14						
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16						

I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. Laura R. Traweck 2. 10/5/90
SIGNATURE DATE
3. Laura R. Traweck 4. Operations Chemist
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GENERATOR NAME: Veterans Administration DATE: 9/21/90
Medical Center
GENERATOR LOCATION: 3301 Miranda Ave EPA ID: CA001111
Palo Alto CA 94304

LAB PACK CONTAINER NO: 8 PAGE 8 OF 10

DOT DESCRIPTION: Waste Ethylene Dichloride, UN/ NA NO: UN1184
Flammable Liquid

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) MCDS #9011328 (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01						U077,
02	Ethylene Dichloride	150	mls	Flam.Liq.	UN1184	D001
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						

I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. [Signature] 2. 10/5/90
SIGNATURE DATE
3. Laura R. Traweak 4. Operations Chemist
NAME (Type or Print) TITLE

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DATE

1/21/91

DATA SHEET REJECTION REQUEST

1. MCDS NUMBER 9011328 LEAD # 121109
2. CUSTOMER North Habs
3. GENERATOR Vets Adm. Med. Center
4. REASON FOR REJECTION Do to Disbarment
5. TECH REP GKH

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MANIFEST N° 021437

Form Approved OMB No. 2050-0009 Expires 9-30-9

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C I A D 1 9 1 8 1 1 3 7 1 4 8 1 5 1 3 1 0 1 1 1 0 2		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law	
3. Generator's Name and Mailing Address Veterans Administration Medical Center 3801 Miranda Avenue Palo Alto, CA, 94304				6. US EPA ID Number		A. State Manifest Document Number		B. State Generator's ID	
4. Generator's Phone (415) 493-5000				8. US EPA ID Number		C. State Transporter's ID		D. Transporter's Phone	
5. Transporter 1 Company Name North State Environmental				10. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone	
7. Transporter 2 Company Name						G. State Facility's ID		H. Facility's Phone	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. Non-RCRA Hazardous Waste Liquid Drum 1				1 No. 1 D		30		G	
b. Waste Compressed Gas, NOG, UN1954 Drum 2 Flammable Gas (aerosol cans)				1 D		1		P	
c.									
d.									
J. Additional Descriptions for Materials Listed Above RECYCLE / REUSE				K. Handling Codes for Wastes Listed Above					
A: 30gal drum, 5% sodium oleate & potassium-coconut oil soap, 8% anionic surfactant, 7% nonionic surfactant, 1% amphoteric surfactant & isopropyl myristate, 84% water. NTE/VMD/9011605. B: 30gal drum, 100% aerosol cans (typical contents: lubricants, POP paints, NTE/VMD/9011605).									
Emergency Contact: Stu Bailey (415) 493-5000 IF UNABLE TO DELIVER, RETURN TO GENERATOR use gloves, goggles, and respirator if drums are opened.									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name E. P. SCHACHT				Signature		Month Day Year			
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature		Month Day Year			
Printed/Typed Name LAURA R. TRAWEEK				Signature		Month Day Year			
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year			
Printed/Typed Name				Signature		Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name DERRY G. ...				Signature		Month Day Year			



MATERIALS CHARACTERIZATION DATA SHEET

OCT 09 1990

MARINE SHALE PROCESSORS, INC. 9011605

110 JAMES DRIVE WEST - SUITE 210 - SAINT ROSE, LA 70087 - TELEPHONE (504) 463-3310

Previous MSP Reference No. _____

For MSP Use Only

Approval Code _____

A. Generator Information

Generator Name Veterans Administration Medical Center
Site Address 3801 Miranda Ave
City Palo Alto State CA Zip Code 94304
Generator Contact Shi Bailey
Title Industrial Hygienist
Telephone No. (415) 493-5200
Facility EPA ID No. CAD981374853

B. Customer Information

Company Name North State Environmental
Contact Linda McCormick
Address 900 So Spruce Ave. Ste. 200
San Francisco, CA 94107-5024
Telephone No. (415) 588-9694
For Customer Use 1X15 gal compressed in 30 gal
poly drum

C. Chemical Composition and Regulatory Information

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
<u>Sodium Oleate</u>	<u>3%</u>	<u>5%</u>
<u>Potassium - coconut oil soap</u>	<u>3%</u>	<u>5%</u>
<u>Linear Surfactant</u>	<u>5%</u>	<u>8%</u>
<u>Alkylate Surfactant</u>	<u>5%</u>	<u>7%</u>
<u>Amphoteric Surfactant</u>	<u>0%</u>	<u>1%</u>
<u>Isopropyl Myristate</u>	<u>0%</u>	<u>1%</u>
<u>Water</u>	<u>73%</u>	<u>84%</u>

Generating Process: Dispensing of obsolete materialCommon Name of Waste: Sanicle Soap/Cleaner☒ Non-Regulated ☐ RCRA Regulated ☐ Land Ban EPA Waste Code(s) _____Has MSP received a representative sample? ☐ Yes ☒ No

D. Physical Chemical Properties

TCLP (MG/L)

(Indicate Actual Value, or 0)

D004 Arsenic N/S
D005 Barium _____
D018 Benzene _____
D006 Cadmium _____
D019 Carbon Tetrachloride _____
D020 Chlordane _____
D021 Chlorobenzene _____
D022 Chloroform _____
D007 Chromium _____
D023 o-Cresol _____
D024 m-Cresol _____
D025 p-Cresol _____
D026 Cresol _____
D016 2, 4-D _____
D027 1, 4-Dichlorobenzene _____
D028 1, 2-Dichloroethane _____

D029 1, 1-Dichloroethylene N/S
D030 2, 4-Dinitrotoluene _____
D012 Endrin _____
D031 Heptachlor _____
D032 Hexachlorobenzene _____
D033 Hexachlorobutadiene _____
D008 Lead _____
D013 Lindane _____
D009 Mercury _____
D014 Methoxychlor _____
D035 Methyl Ethyl Ketone _____
D036 Nitrobenzene _____
D037 Pentachlorophenol _____
D038 Pyridine _____
D010 Selenium _____
D011 Silver _____

D039 Tetrachloroethylene N/S
D015 Toxaphene _____
D040 Trichloroethylene _____
D041 2, 4, 5-Trichlorophenol _____
D042 2, 4, 6-Trichlorophenol _____
D017 2, 4, 5-TP Silver _____
D043 Vinyl Chloride _____

Indicate actual ppm of the following compounds:

Nickel N/S
Thallium _____
PCB _____
Cyanides _____
Sulfides _____
Dioxin _____

BTU's per lb

(list actual value)

15,500

pH

☐ > 2 - 6 ☐ > 6 - 10☒ > 10 - < 12.5

ASH (list actual Wt %)

20%If ≤ 2 or ≥ 12.5

list actual _____

Halogens (Wt %) < 1 1-5 5-10

☐ Iodine ☒ ☐
☐ Bromine ☒ ☐
☐ Chlorine ☒ ☐
☐ Fluorine _____ actual Wt %

If > 10 list actual Wt %

Water (Wt %)

☐ < 1 ☐ 5 - 10☐ 1 - 5 ☐ > 10

If < 1 or > 10

list actual 73.5%

Flash Point (closed cup)

☐ < 100 F☐ 100 F - 139 F☐ 140 F - 200 F

If < 100 or > 200

list actual > 200 F

Specific Gravity

☐ < 0.8 ☐ 1.2 - 1.4☐ 0.8 - 1.0 ☐ 1.4 - 1.7☒ 1.0 - 1.2 ☐ > 1.7

If < 0.8 or > 1.7

list actual _____

Sulfur (Wt %)

☐ > 1If > 1 list actual N/S

Viscosity

(for bulk liquids only)

list actual in centipoise

_____ cp

Total Suspended Solids

(Wt % for bulk liquids only)

☐ 5 - 20

If > 20

list actual _____

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Vol. 19 Exh. 264 More
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MSDOOT

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Veteran's Administration Medical Center ✓ 415C Clement Street San Francisco, CA. 94121 ✓					
4. Generator's Phone (415) 221-4910 ✓					
5. Transporter 1 Company Name North State Environmental ✓		6. US EPA ID Number CA D F C F 6 6 3 7 2 P		A. State Manifest Document Number XXXXXXXXXXXX	
7. Transporter 2 Company Name		8. US EPA ID Number		B. State Generator's ID XXXXXXXXXX	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380 ✓		10. US EPA ID Number LA D 9 8 1 0 5 7 7 0 6		C. State Transporter's ID 104323	
				D. Transporter's Phone (415) 588-2838 ✓	
				E. State Transporter's ID 104323	
				F. Transporter's Phone (504) 631-3161 ✓	
				G. State Facility's ID 104323	
				H. Facility's Phone (504) 631-3161 ✓	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol
a. Waste Ethyl Alcohol, Flammable Liquid, UN1170 Drum 13	1	D F	30	G	P087 R D088 R
b. Waste Hydrazine, Anhydrous, Flammable Liquid, Drums 14, 15	2	D F	(ash) 10	G	U133 R
c. Waste Compressed Gas, Flammable Gas, UN1054 Drum 16	1	D F	14	G	D001 R
d.					R
J. Additional Descriptions for Materials Listed Above A&B: NSTE/VADM/9002461/LP - Drum 13 is a 30-gal. lab pack Drums 14 and 15 are 5-gal. lab packs C: NSTE/VADM/9002460 - 100% aerosol cans (typical contents: lubricants, ball drop oil, penetrants, shop paint, etc.)		K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information					
Emergency Contact: Adon Figueroa (415) 221-4910 IF UNABLE TO DELIVER, RETURN TO GENERATOR if drums are open					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Adon E. Figueroa		Signature Adon E. Figueroa		Month Day Year 10/5/1990	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature Kurt Dreger		Month Day Year 05/16/90	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name Dan Cramor		Signature Dan Cramor		Month Day Year 10/5/1990	



MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.

110 James Drive West, Suite 120

St. Rose, LA 70087

504-465-3310

MAY 07 1990

For MSP Use Only

Approval Code

9002461

A. Generator Information

Generator Name Atargan's Administration

Site Address Medical Center 4150 Clement St.

City San Francisco State CA Zip Code 94121

Generator Contact Adon Figueroa

Title Industrial Hygienist

Telephone No. (415) 221-4810

Facility EPA ID. No. CA8360010328

B. Customer Information

Company Name North State Environmental

Contact Linda McCormick

Address 90 So. Spruce Ave., P.O. Box 5624

So. San Francisco, CA 94083

Telephone No. (415) 688-2838

For Customer Use LAB PACKS

(9x56AL, 1x146AL, 5x309AL)

C. Regulatory Information

☐ RCRA Regulated

☐ Land Ban

☐ Non-Regulated

EPA Waste Code(s)

SEE ATTACHED SHEETS

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

Lab Packs (see attached sheets)

MIN

MAX

100%

Common Name of Waste: LAB PACKS

E. General Characteristics

Color:

SEE ATTACHED SHEETS

Odor: ☐ None ☐ Mild ☐ Strong

☐ Liquid ☐ Sludge ☐ Solid ☐ Powder

Phases ☐ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?

Y

(N)

Polymerizable?

Y

(N)

Infectious?

Y

(N)

Pyrophoric?

Y

(N)

Water Reactive?

Y

(N)

Explosive?

Y

(N)

G. Physical/Chemical Properties

SEE ATTACHED SHEETS

Ash (list actual Wt %)

Water (Wt %)

Specific Gravity

Viscosity

Suspended Solids

pH

BTU's per lb

☐ < 1 ☐ 5-10

☐ < 0.8 ☐ 1.2-1.4

(for bulk liquids only)

(Wt % for bulk liquids only)

☐ 2-6 ☐ 6-10

(list actual value)

☐ 1-5 ☐ if > 10

☐ 0.8-1.0 ☐ 1.4-1.7

list actual in centipoise

☐ 5-20

☐ 10-12.5

(list actual value)

list actual

list actual

cp

list actual

list actual

(list actual value)

list actual

list actual

cp

list actual

list actual

Flash Point (closed cup)

Sulfur (Wt %)

Halogens (Wt %)

< 1

1-5

5-10

if > 10 list actual Wt %

☐ < 100°F

☐ > 200°F

☐ < 5

☐ Iodine

☐

☐

☐ 100°-140°F

☐ actual

if > 5 list actual value

☐ Bromine

☐

☐

☐ 140°-200°F

actual

if > 5 list actual value

☐ Chlorine

☐

☐

actual

if > 5 list actual value

☐ Fluorine

actual

Wt %

Metals: EP Toxicity Test (MG/L)

Organics (ppm)

Arsenic (As)

Selenium (Se)

Endrin

Barium (Ba)

Silver (Ag)

Lindane

Cadmium (Cd)

Copper (Cu)

Methoxychlor

Chromium (Cr)

Nickel (Ni)

Toxaphene

Lead (Pb)

Zinc (Zn)

2,4-D

Mercury (Hg)

2,4,5-TP (Silvex)

If material contains the following

compounds, indicate actual ppm:

PCB

Cyanides

Sulfides

Dioxin

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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

LAB PACK CONTAINER NO: 1 PAGE 1 OF 15

DOT DESCRIPTION: Waste Corrosive Liquid NOS (D002/D003), NA NO: UN1760
Corrosive Material

CONTAINER SIZE: 14gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	<u>trifluoroacetic acid</u>	<u>100</u>	<u>mls</u>	<u>corr.mat</u>	<u>UN1760</u>	<u>D002</u>
02	<u>dichlorodimethyl silane</u>	<u>100</u>	<u>mls</u>	<u>corr.mat</u>	<u>UN1760</u>	<u>D002/D003</u>
03	<u>dichlorodimethyl silane</u>	<u>2</u>	<u>250mls</u>	<u>corr.mat</u>	<u>UN1760</u>	<u>D002/D003</u>
04	<u>acetic anhydride</u>	<u>2</u>	<u>500mls</u>	<u>corr.mat</u>	<u>UN1715</u>	<u>D002</u>
05	<u>dichloromethyl silane</u>	<u>2</u>	<u>20mls</u>	<u>corr.mat</u>	<u>UN1760</u>	<u>D002/D003</u>
06	<u>phosphorous pentoxide</u>	<u>1</u>	<u>lb</u>	<u>corr.mat</u>	<u>NA1807</u>	<u>D002</u>
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1 PACK CONTAINER NO: 2 PAGE 2 OF 15

DOT DESCRIPTION: Waste Corrosive Liquid NOS (U134/D002), NA NO: UN1760
Corrosive Material

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	hydrochloric acid/chloroform/ silicon	15	mls	corr.mat	UN1760	D002
02	20% hydrofluoric acid	5	mls	corr.mat	UN1790	U134
03	70% perchloric acid	10	mls	oxidizer	UN1873	D001/D002
04	3,5-dinitrobenzoyl chloride	10	g	corr.mat	UN1759	D002
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GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

LAB PACK CONTAINER NO: 3 PAGE 3 OF 15

DOT DESCRIPTION: Waste Organic Peroxide, Solution NOS, NA NO: NA9183
Organic Peroxide

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	JB-4 catalyst			organic		
	(organic peroxide solution)	<u>2</u>	<u>50mls</u>	<u>peroxide</u>	<u>NA9183</u>	<u>D001</u>
02	JB-4 catalyst			organic		
	(organic peroxide solution)	<u>100</u>	<u>mls</u>	<u>peroxide</u>	<u>NA9183</u>	<u>D001</u>
03				organic		
	benzoyl peroxide	<u>2</u>	<u>50g</u>	<u>peroxide</u>	<u>NA2085</u>	<u>D001</u>
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PACK CONTAINER NO: 4 PAGE 4 OF 15

DOT DESCRIPTION: Waste Ethyl Ether, UN/
Flammable Liquid NA NO: UN1155

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	<u>diethyl ether</u>	<u>2</u>	<u>500mls</u>	<u>flam.liq</u>	<u>UN1155</u>	<u>U117</u>
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1. PACK CONTAINER NO: 5 PAGE 5 OF 15

DOT DESCRIPTION: Waste Oxidizer NOS (D001), UN/NA NO: UN1479

CONTAINER SIZE: 5GAL CONTAINER TYPE: POLY
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	<u>ammonium persulfate</u>	<u>2</u>	<u>10g</u>	<u>oxidizer</u>	<u>UN1444</u>	<u>D001</u>
02	<u>sodium nitrate</u>	<u>1</u>	<u>1b</u>	<u>oxidizer</u>	<u>UN1498</u>	<u>D001</u>
03	<u>zinc peroxide</u>	<u>2</u>	<u>15g</u>	<u>oxidizer</u>	<u>UN1516</u>	<u>D001</u>
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PACK CONTAINER NO: 6 PAGE 6 OF 15

DOT DESCRIPTION: Waste Poison B Liquid NOS, UN/ NA NO: UN2810
Poison B (contains sodium cyanide/potassium cyanide)

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	tetrabutyl ammonium phosphate	10	g	NRM		NRM
02	phenyl isothiocyanate	1	ml	NRM		NRM
03	cyanogen bromide	250	mls	poison B	UN1889	P030
04	sodium cyanide	5	g	poison B	UN1689	P106
05	potassium ferrocyanide	50	mls	poison B	UN2811	P030
06	potassium ferrocyanide	1/2	lb	poison B	UN2811	P030
07	potassium ferrocyanide	100	g	poison B	UN2811	P030
08	potassium ferrocyanide	10	g	poison B	UN2811	P030
09	ammonium sulfide sol'n	1	pt	flam.liq	UN2683	D001/D003
10	ammonium sulfide sol'n	100	mls	flam.liq	UN2683	D001/D003
11	ammonium hydroxide	2	500mls	corr.mat	NA2672	D002
12	sodium hydroxide/ sodium sulfite solution	2.5	gal	corr.mat	UN1824	D002
13	sodium hydroxide/ sodium sulfite solution	0.5	gal	corr.mat	UN1824	D002
14	Lysing and Hemoglobin Reagent (38g/l cationic surfactant, 280ppm potassium cyanide)	6	500mls	poison B	UN1680	P098
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LAB PACK CONTAINER NO: 7 PAGE 7 OF 15

DESCRIPTION: Waste Poison B Solid NOS, Poison B (contains strychnine & phenol) UN/ NA NO: UN2811

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	<u>phenol</u>	<u>4</u>	<u>11b</u>	<u>poison B</u>	<u>UN1671</u>	<u>U188</u>
02	<u>phenol</u>	<u>1</u>	<u>21b</u>	<u>poison B</u>	<u>UN1671</u>	<u>U188</u>
03	<u>p-chlorophenol</u>	<u>500</u>	<u>g</u>	<u>poison B</u>	<u>UN2811</u>	<u>NRM</u>
04	<u>phenol/chloroform contaminated lab trash</u>	<u>1/2cu foot</u>		<u>NRM</u>		<u>NRM</u>
05	<u>pentachlorothiophenol</u>	<u>100</u>	<u>g</u>	<u>NRM</u>		<u>NRM</u>
06	<u>2-phenyl phenol</u>	<u>500</u>	<u>g</u>	<u>NRM</u>		<u>NRM</u>
07	<u>solution of 5mls beta-mercaptoethanol, 12.5mls tris, 50mls water, 10mls glycerol</u>	<u>50</u>	<u>mls</u>	<u>NRM</u>		<u>NRM</u>
08	<u>30% acrylamide</u>	<u>100</u>	<u>mls</u>	<u>NRM</u>		<u>U007</u>
09	<u>strychnine sulfate</u>	<u>1</u>	<u>oz</u>	<u>poison B</u>	<u>UN1692</u>	<u>P108</u>
10	<u>cadodylic acid</u>	<u>50</u>	<u>g</u>	<u>poison B</u>	<u>UN2811</u>	<u>U136</u>
11	<u>2,6-dichlorophenol/indophenol, sodium salt</u>	<u>1</u>	<u>g</u>	<u>NRM</u>		<u>U082</u>
12	<u>naphthalene</u>	<u>1</u>	<u>1b</u>	<u>ORM-A</u>	<u>UN1334</u>	<u>U165</u>
13	<u>alpha-benzenehexachloride</u>	<u>50</u>	<u>g</u>	<u>NRM</u>		<u>U127</u>
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PACK CONTAINER NO: 8 PAGE 8 OF 15

DOT DESCRIPTION: Waste Picric Acid, Wet, With UN/ NA NO: NA1344
Not Less Than 10% Water, Flammable Solid

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	picric acid, under water	375	g	flam.solid	NA1344	D001
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1 PACK CONTAINER NO: 9 PAGE 9 OF 15

DOT DESCRIPTION: Waste Phenol, UN/
Poison B NA NO: UN1671

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	laboratory trash contaminated					
02	with phenol	4cu feet		poison B	UN1671	U188
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LAB PACK CONTAINER NO: 10 PAGE 10 OF 15
UN/
DESCRIPTION: Waste Aluminum, Metallic, Powder, NA NO: UN1396
Flammable Solid
CONTAINER SIZE: 5GAL CONTAINER TYPE: POLY
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	aluminum metal powder	1	lb	flam.solid	UN1396	D001
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PACK CONTAINER NO: 11 PAGE 11 OF 15
DOT DESCRIPTION: Waste Water Reactive Solid NOS, (contains U080/D001), Flammable Solid UN/ NA NO: UN2813
CONTAINER SIZE: 5GAL CONTAINER TYPE: POLY
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	calcium hydride	4	100g	flam.solid	UN2813	D001
02	calcium hydride	50	g	flam.solid	UN2813	D001
03	sodium borohydride	3	10g	flam.solid	UN2813	D001
04	sodium cyanoborohydride	10	g	flam.solid	UN2926	D001/D003
05	calcium hydride/tetrahydrofuran/ acetone, 2:1:1	500	mls	flam.liquid	UN1993	D001
06	calcium hydride/ methylene chloride, 1:1	250	mls	ORM-A	UN1593	U080
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L' PACK CONTAINER NO: 12 PAGE 12 OF 15

DO: DESCRIPTION: Waste Flammable Liquid, Poisonous NOS, NA NO: UN1992
Flammable Liquid (contains sodium azide & osmium tetroxide)
CONTAINER SIZE: 30GAL CONTAINER TYPE: FIBER
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	sodium azide	1	oz	poison B	UN1687	P105
02	atropine sulfate	2	1/8oz	NRM		NRM
03	benzyl iso-thiourea hydrochloride	25	g	NRM		NRM
04	osmium tetroxide in ethanol	1	gal	flam.liq	UN1170	D001/P087
05	osmium tetroxide in ethanol	1	l.	flam.liq	UN1170	D001/P087
06	osmium tetroxide in ethanol	5	500mls	flam.liq	UN1170	D001/P087
07	osmium tetroxide	5	g	NRM		P087
08	sodium azide sol'n	1	gal	poison B	UN1687	P105
09	Ortho Triox Liquid Vegetation Killer (1.86% 2,4-bis(isopropyl amino)-methoxy-s-triazine, 0.68% pentachlorophenol, 0.08% chlorinated phenol, 97.38% inert)	1	gal	poison B	UN2810	NRM
10	Trimec Turf Herbicide (30.56% dimethyl amine salt of 2,4-dichlorophenoxy-acetic acid, 16.34% dimethyl-amine salt of 2-(2-methyl-4-chlorophenoxy-propionic acid, 2.77% dimethyl amine salt of 3,6-dichloro-1-anisic acid, 50.33% inert)	1	gal	poison B	UN2810	NRM
11	4% glutaraldehyde/formaldehyde	1	gal	ORM-A	UN1198	U122
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PACK CONTAINER NO: 13 PAGE 13 OF 15

UN/ NA NO: UN1170
DG. DESCRIPTION: Waste Ethyl Alcohol,
Flammable Liquid

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	ethidium bromide contaminated					
	lab trash	2.5cu feet		NRM		NRM
02	osmium tetroxide in ethanol	1	qt	flam.liq	UN1170	P087
03	diamino benzidine	100	mls	NRM		NRM
04	lead citrate sol'n	1	lb	NRM		D008
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L ☐ PACK CONTAINER NO: 14 PAGE 14 OF 15
UN/
DOT DESCRIPTION: Waste Hydrazine, Anhydrous, NA NO: UN2029
Flammable Liquid
CONTAINER SIZE: 5GAL CONTAINER TYPE: POLY
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	hydrazine, anhydrous	100	mls	flam.liq	UN2029	U133
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						

I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. Linda B. McCormick 2. 4/18/90
SIGNATURE DATE
3. Linda B. McCormick 4. Technical Operations Manager
NAME (Type or Print) TITLE

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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

LAB PACK CONTAINER NO: 15 PAGE 15 OF 15

DOT DESCRIPTION: Waste Hydrazine, Anhydrous UN/NA NO: UN2029
Flammable Liquid

CONTAINER SIZE: 5GAL CONTAINER TYPE: POLY
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	hydrazine, anhydrous	500	mls	flam.liq	UN2029	U133
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
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16						

I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. Linda B. McCormick 2. 4/18/90
SIGNATURE DATE

3. Linda B. McCormick 4. Technical Operations Manager
NAME (Type or Print) TITLE

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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

1 PACK CONTAINER NO: 6 PAGE 6 OF 15

DOT DESCRIPTION: Waste Poison B Liquid NOS, UN/ NA NO: UN2810
Poison B (contains sodium cyanide/potassium cyanide)
CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

document # 9002461

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	tetrabutyl ammonium phosphate	10	g	NRM		NRM
02	phenyl isothiocyanate	1	ml	NRM		NRM
03	cyanogen bromide	250	mls	poison B	UN1889	U246
04	sodium cyanide	5	g	poison B	UN1689	P106
05	potassium ferrocyanide	50	mls	poison B	UN2811	P030
06	potassium ferrocyanide	1/2	lb	poison B	UN2811	P030
07	potassium ferrocyanide	100	g	poison B	UN2811	P030
08	potassium ferrocyanide	10	g	poison B	UN2811	P030
09	ammonium sulfide sol'n	1	pt	flam.liq	UN2683	D001/D003
10	ammonium sulfide sol'n	100	mls	flam.liq	UN2683	D001/D003
11	ammonium hydroxide	2	500mls	corr.mat	NA2672	D002
12	sodium hydroxide/ sodium sulfite solution	2.5	gal	corr.mat	UN1824	D002
13	sodium hydroxide/ sodium sulfite solution	0.5	gal	corr.mat	UN1824	D002
14	Lysing and Hemoglobin Reagent (38g/l cationic surfactant, 280ppm potassium cyanide)	6	500mls	poison B	UN1680	P098
15						
16						

I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. Inda B. McCormick 2. 4/18/90
SIGNATURE DATE

3. Inda B. McCormick 4. Technical Operations Manager
NAME (Type or Print) TITLE

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.

110 James Drive West, Suite 120

St. Rose, LA 70087

504-465-3310

MAY 07 1990

For MSP Use Only

Approval Code

9002460

A. Generator Information

Generator Name Veteran's Administration

Site Address Medical Center, 4150 Clement St.

City San Francisco State CA Zip Code 94121

Generator Contact ADAN FIGUEROA

Title INDUSTRIAL HYGIENIST

Telephone No. (415) 221-4810

Facility EPA I.D. No. CA8360010328

B. Customer Information

Company Name North State Environmental

Contact Linda McCormick

Address 90 So. Spruce Avenue, P.O. Box 5624

So. San Francisco, CA 94080

Telephone No. (415) 588-2838

For Customer Use Aerosols - 1x14gal

C. Regulatory Information

☒ RCRA Regulated

☒ Land Ban

☐ Non-Regulated

EPA Waste Code(s) D001 / F002 (246)

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
<u>Aerosol Cans</u>	<u>100%</u>	
<u>(Typical contents: lubricants, bolt dressings,</u>		
<u>penetrants, shop paints, etc.)</u>		

Common Name of Waste: Aerosol Cans

E. General Characteristics

Color: Varies with product

Odor: ☒ None ☒ Mild ☐ Strong

☒ Liquid ☐ Sludge ☒ Solid ☐ Powder

Phases ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive? Y ☒ N ☐ Polymerizable? Y ☒ N ☐

Infectious? Y ☒ N ☐ Pyrophoric? Y ☒ N ☐

Water Reactive? Y ☒ N ☐ Explosive? Y ☒ N ☐

G. Physical/Chemical Properties

Ash (list actual Wt %)

80

BTU's per lb

(list actual value)

~10000-12000

Water (Wt %)

☒ <1 ☐ 5-10

☐ 1-5 ☐ >10

list actual

—

Specific Gravity

☐ <0.8 ☐ 1.2-1.4

☐ 0.8-1.0 ☐ 1.4-1.7

☐ 1.0-1.2 ☐ >1.7

list actual

—

Viscosity

(for bulk liquids only)

list actual in centipoise

cp

—

Total

Suspended Solids

(Wt % for bulk liquids only)

☐ 5-20

☐ >20

list actual

—

pH

☐ 2-6 ☒ 6-10

☐ 10-12.5

☐ <2 or >12.5

list actual

—

Flash Point (closed cup)

☒ <100°F ☐ >200°F

☐ 100°-140°F ☐ actual

☐ 140°-200°F

Sulfur (Wt %)

☒ <5

☐ >5 list actual value

—

Halogens (Wt %)

☐ <1 ☐ 1-5 ☐ 5-10

☐ >10 list actual Wt %

() Iodine ☐ ☐ ☐

() Bromine ☐ ☐ ☐

() Chlorine ☐ ☐ ☐

() Fluorine ☐ ☐ ☐

actual Wt %

—

Metals: EP Toxicity Test (MG/L)

Arsenic (As) NS

Barium (Ba) NS

Cadmium (Cd) NS

Chromium (Cr) NS

Lead (Pb) NS

Mercury (Hg) NS

NS - none suspected

Selenium (Se) NS

Silver (Ag) NS

Copper (Cu) NS

Nickel (Ni) NS

Zinc (Zn) NS

Organics (ppm)

Endrin NS

Lindane NS

Methoxychlor NS

Toxaphene NS

2,4-D NS

2,4,5-TP (Silvex) NS

NS - None suspected

If material contains the following

compounds, indicate actual ppm:

PCB NS

Cyanides NS

Sulfides NS

Dioxin NS

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RECYCLE / REUSE
MANIFEST 013983

Form Approved. OMB No. 2050-0039 Expires 9-30-91

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Manifests

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST 013981

Please print or type. (Form designed for use on 8 1/2 x 11 (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A S 3 6 6 1 8 2 3	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Veteran's Administration Medical Center 4154 Clement Street San Francisco, CA. 94121		6. US EPA ID Number C A D 0 9 9 5 6 3 7 3 8		A. State Manifest Document Number B. State Generator's ID C. State Transporter's ID D. Transporter's Phone (415) 588-2838	
4. Generator's Phone (415) 221 4910		7. Transporter 2 Company Name North State Environmental		E. State Transporter's ID F. Transporter's Phone	
5. Transporter 1 Company Name North State Environmental		8. US EPA ID Number		G. State Facility's ID H. Facility's Phone (504) 631-3161	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number L A D 9 8 1 0 5 7 7 0 6			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity	14. Unit Wt/Vol
a. Waste Corrosive Liquid NOS (U134/D062), UN1750 Drum 2 Corrosive Material		1 1 D 1		5	G
b. Waste Corrosive Liquid NOS (D062/D003), UN1760 Drum 1 Corrosive Material		1 1 D 1		14	G
c. Waste Organic Peroxide, Solution NOS, Organic Peroxide, NA9183 Drum 3		1 1 D 1		5	G
d. Waste Ethyl Ether, Flammable Liquid, UN1155 Drum 4		1 1 D 1		5	-G
15. Special Handling Instructions and Additional Information Emergency contact: Adon Figueroa (415) 221-4816 Use gloves, goggles and respirator if drums are opened IF UNABLE TO DELIVER, RETURN TO GENERATOR		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		17. Handling Codes for Wastes Listed Above	
18. Discrepancy Indication Space		19. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.			
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Printed/Typed Name Dan Cranner		Signature Dan Cranner Month Day Year 05/16/90	

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST 013982

Form Approved OMB No. 2050-0039, Expires 9-30-91

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law	
3. Generator's Name and Mailing Address Veteran's Administration Medical Center 4150 Clement Street San Francisco, CA 94121		4. Generator's Phone (415) 221-2110		5. State Manifest Document Number		6. State Generator's ID Number		7. State Generator's Phone (415) 588-2838	
8. Transporter 1 Company Name North State Environmental		9. Transporter 1 US EPA ID Number		10. State Transporter's ID Number		11. State Transporter's Phone (415) 588-2838		12. State Transporter's ID Number	
13. Transporter 2 Company Name		14. Transporter 2 US EPA ID Number		15. State Transporter's ID Number		16. State Transporter's Phone		17. State Transporter's ID Number	
18. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		19. Designated Facility US EPA ID Number		20. State Facility's ID Number		21. State Facility's Phone (504) 631-3161		22. State Facility's ID Number	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit		15. Waste No.	
a. Waste Oxidizer NOS (D011), Oxidizer, UN1479 Drum 5		1		5		G		D001 R	
b. Waste Poison B Liquid NOS, Poison B, UN2816 Drum 6 (contains sodium cyanide/potassium cyanide)		1		30		G		P030 R P106/D001	
c. Waste Poison B Solid NOS, Poison B, UN2811 Drums 7 (contains strychnine & phenol)		1		30		G		U183 R U007/P106	
d. Waste Picric Acid, Wet, with not less than 10% water, Drum 8 Flammable Solid, NA1344		1		5		G		D001 R	
J. Additional Descriptions for Materials Listed Above NSTE/VADM/9002461/LP Drums 5-8 later 5 gal lab packs Drums 6-7 are 30 gal B Add EPA codes: D003/D002/R098 C Add EPA codes: U136/U002/U165/U127		K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information Emergency contact: Adon Figueroa (415) 221-4810 Use gloves, goggles and respirator if drums are opened IF UNABLE TO DELIVER, RETURN TO GENERATOR									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Adon E. Figueroa		Signature Adon E. Figueroa		Month Day Year 05/16/90			
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name KURT DREGER		Signature Kurt Dreger		Month Day Year 05/16/90			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name Dan Cramer		Signature Dan Cramer		Month Day Year 05/21/90					

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.

110 James Drive West, Suite 120

St. Rose, LA 70087

504-465-3310

MAY 07 1990

For MSP Use Only

Approval Code

9002461

A. Generator Information

Generator Name Veteran's Administration

Site Address Medical Center 4150 Clement St.

City San Francisco State CA Zip Code 94121

Generator Contact Adon Figueroa

Title Industrial Hygienist

Telephone No. (415) 221-4810

Facility EPA ID No. CA8360010328

B. Customer Information

Company Name North State Environmental

Contact Linda McCormick

Address 90 So. Spruce Ave., P.O. Box 5624

So. San Francisco, CA 94083

Telephone No. (415) 688-2838

For Customer Use LAB PACKS

(9x5GAL, 1x14GAL, 5x30GAL)

C. Regulatory Information

☐ RCRA Regulated

☐ Land Ban

☐ Non-Regulated

EPA Waste Code(s)

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
<u>Lab Packs (see attached sheets)</u>	<u>100%</u>	

Common Name of Waste: LAB PACKS

E. General Characteristics

Color:

SEE ATTACHED SHEETS

Odor: ☐ None ☐ Mild ☐ Strong

☐ Liquid ☐ Sludge ☐ Solid ☐ Powder

Phases ☐ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive? Y ☒ Polymerizable? Y ☒

Infectious? Y ☒ Pyrophoric? Y ☒

Water Reactive? Y ☒ Explosive? Y ☒

G. Physical/Chemical Properties

Ash (list actual Wt %)	Water (Wt %)	Specific Gravity	Viscosity	Suspended Solids	pH
	☐ <1 ☐ 5-10	☐ <0.8 ☐ 1.2-1.4	(for bulk liquids only)	(Wt % for bulk liquids only)	☐ 2-6 ☐ 6-10
BTU's per lb	☐ 1-5 if > 10	☐ 0.8-1.0 ☐ 1.4-1.7	list actual in centipoise	☐ 5-20	☐ 10-12.5
(list actual value)		☐ 1.0-1.2 ☐ > 1.7		if > 20	if < 2 or > 12.5
	list actual	list actual	cp	list actual	list actual

Flash Point (closed cup)

☐ < 100°F ☐ > 200°F
☐ 100°-140°F ☐ _____°F
☐ 140°-200°F actual

Sulfur (Wt %)

☐ < 5
if > 5 list actual value

Halogens (Wt %)

☐ <1 ☐ 1-5 ☐ 5-10 ☐ if > 10 list actual Wt %
I Iodine ☐ ☐ ☐
B Bromine ☐ ☐ ☐
C Chlorine ☐ ☐ ☐
F Fluorine actual Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As) _____
Barium (Ba) _____
Cadmium (Cd) _____
Chromium (Cr) _____
Lead (Pb) _____
Mercury (Hg) _____

Selenium (Se) _____
Silver (Ag) _____
Copper (Cu) _____
Nickel (Ni) _____
Zinc (Zn) _____

Organics (ppm)

Endrin _____
Lindane _____
Methoxychlor _____
Toxaphene _____
2,4-D _____
2,4,5-TP (Silvex) _____

If material contains the following compounds, indicate actual ppm:

PCB _____
Cyanides _____
Sulfides _____
Dioxin _____

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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

PACK CONTAINER NO: 1 PAGE 1 OF 15

DO1 DESCRIPTION: Waste Corrosive Liquid NOS (D002/D003), NA NO: UN1760
Corrosive Material

CONTAINER SIZE: 14gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	trifluoroacetic acid	100	mls	corr.mat	UN1760	D002
02	dichlorodimethyl silane	100	mls	corr.mat	UN1760	D002/D003
03	dichlorodimethyl silane	2	250mls	corr.mat	UN1760	D002/D003
04	acetic anhydride	2	500mls	corr.mat	UN1715	D002
05	dichloromethyl silane	2	20mls	corr.mat	UN1760	D002/D003
06	phosphorous pentoxide	1	1b	corr.mat	NA1807	D002
07						
08						
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I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. Linda B. McCormick 2. 4/18/90
SIGNATURE DATE

3. Linda B. McCormick 4. Technical Operations Manager
NAME (Type or Print.) TITLE

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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

1. PACK CONTAINER NO: 2 PAGE 2 OF 15

DESCRIPTION: Waste Corrosive Liquid NOS (U134/D002), NA NO: UN1760
Corrosive Material

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	hydrochloric acid/chloroform/silicon	15	mls	corr.mat	UN1760	D002
02	20% hydrofluoric acid	5	mls	corr.mat	UN1790	U134
03	70% perchloric acid	10	mls	oxidizer	UN1873	D001/D002
04	3,5-dinitrobenzoyl chloride	10	g	corr.mat	UN1759	D002
05						
06						
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1. Linda B. McCormick 2. 4/18/90
SIGNATURE DATE

3. Linda B. McCormick 4. Technical Operations Manager
NAME (Type or Print) TITLE

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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

LAB PACK CONTAINER NO: 3 PAGE 3 OF 15

DC. DESCRIPTION: Waste Organic Peroxide, Solution NOS, NA NO: NA9183
Organic Peroxide

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	JB-4 catalyst					
	(organic peroxide solution)	2	50mls	organic peroxide	NA9183	D001
02	JB-4 catalyst					
	(organic peroxide solution)	100	mls	organic peroxide	NA9183	D001
03						
	benzoyl peroxide	2	50g	organic peroxide	NA2085	D001
04						
05						
06						
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I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE MILE PROCESSORS, INC. LAB PACK GUIDELINES.

1. Linda B. McCormick 2. 4/18/90
SIGNATURE DATE

3. Linda B. McCormick 4. Technical Operations Manager
NAME (Type or Print) TITLE

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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 1150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

LAB PACK CONTAINER NO: 4 PAGE 4 OF 15

DC. DESCRIPTION: Waste Ethyl Ether, UN/
Flammable Liquid NA NO: UN1155

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	<u>diethyl ether</u>	<u>2</u>	<u>500mls</u>	<u>flam.liq</u>	<u>UN1155</u>	<u>U117</u>
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1. Linda B. McCormick 2. 4/18/90
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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

PACK CONTAINER NO: 5 PAGE 5 OF 15

DOT DESCRIPTION: Waste Oxidizer NOS (D001) UN/ NA NO: UN1479

CONTAINER SIZE: 5GAL CONTAINER TYPE: POLY
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	ammonium persulfate	2	10g	oxidizer	UN1444	D001
02	sodium nitrate	1	1b	oxidizer	UN1498	D001
03	zinc peroxide	2	15g	oxidizer	UN1516	D001
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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

PACK CONTAINER NO: 6 PAGE 6 OF 15

DOT DESCRIPTION: Waste Poison B Liquid NOS, UN/
Poison B (contains sodium cyanide/potassium cyanide) NA NO: UN2810

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	tetrabutyl ammonium phosphate	10	g	NRM		NRM
02	phenyl isothiocyanate	1	ml	NRM		NRM
03	cyanogen bromide	250	mls	poison B	UN1889	P030
04	sodium cyanide	5	g	poison B	UN1689	P106
05	potassium ferrocyanide	50	mls	poison B	UN2811	P030
06	potassium ferrocyanide	1/2	lb	poison B	UN2811	P030
07	potassium ferrocyanide	100	g	poison B	UN2811	P030
08	potassium ferrocyanide	10	g	poison B	UN2811	P030
09	ammonium sulfide sol'n	1	pt	flam.liq	UN2683	D001/D003
10	ammonium sulfide sol'n	100	mls	flam.liq	UN2683	D001/D003
11	ammonium hydroxide	2	500mls	corr.mat	NA2672	D002
12	sodium hydroxide/ sodium sulfite solution	2.5	gal	corr.mat	UN1824	D002
13	sodium hydroxide/ sodium sulfite solution	0.5	gal	corr.mat	UN1824	D002
14	Lysing and Hemoglobin Reagent (38g/l cationic surfactant, 280ppm potassium cyanide)	6	500mls	poison B	UN1680	P098
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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

PACK CONTAINER NO: 7 PAGE 7 OF 15

DOT DESCRIPTION: Waste Poison B Solid NOS, UN/ NA NO: UN2811
Poison B (contains strychnine & phenol)

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	<u>phenol</u>	<u>4</u>	<u>11b</u>	<u>poison B</u>	<u>UN1671</u>	<u>U188</u>
02	<u>phenol</u>	<u>1</u>	<u>21b</u>	<u>poison B</u>	<u>UN1671</u>	<u>U188</u>
03	<u>p-chlorophenol</u>	<u>500</u>	<u>g</u>	<u>poison B</u>	<u>UN2811</u>	<u>NRM</u>
04	<u>phenol/chloroform contaminated lab trash</u>	<u>1/2cu foot</u>		<u>NRM</u>		<u>NRM</u>
05	<u>pentachlorothiophenol</u>	<u>100</u>	<u>g</u>	<u>NRM</u>		<u>NRM</u>
06	<u>2-phenyl phenol</u>	<u>500</u>	<u>g</u>	<u>NRM</u>		<u>NRM</u>
07	<u>solution of 5mls beta-mercaptoethanol, 12.5mls tris, 50mls water, 10mls glycerol</u>	<u>50</u>	<u>mls</u>	<u>NRM</u>		<u>NRM</u>
08	<u>10% acrylamide</u>	<u>100</u>	<u>mls</u>	<u>NRM</u>		<u>U007</u>
09	<u>strychnine sulfate</u>	<u>1</u>	<u>oz</u>	<u>poison B</u>	<u>UN1692</u>	<u>P108</u>
10	<u>cacodylic acid</u>	<u>50</u>	<u>g</u>	<u>poison B</u>	<u>UN2811</u>	<u>U136</u>
11	<u>2,6-dichlorophenol/indophenol, sodium salt</u>	<u>1</u>	<u>g</u>	<u>NRM</u>		<u>U082</u>
12	<u>naphthalene</u>	<u>1</u>	<u>1b</u>	<u>ORM-A</u>	<u>UN1334</u>	<u>U165</u>
13	<u>alpha-benzenehexachloride</u>	<u>50</u>	<u>g</u>	<u>NRM</u>		<u>U127</u>
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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

PACK CONTAINER NO: 8 PAGE 8 OF 15

DOT DESCRIPTION: Waste Picric Acid, Wet, With UN/ NA NO: NA1344
Not Less Than 10% Water, Flammable Solid

CONTAINER SIZE: 5gal CONTAINER TYPE: poly
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	picric acid, under water	375	g	flam.solid	NA1344	D001
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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90
GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

1st PACK CONTAINER NO: 9 PAGE 9 OF 15
DOT DESCRIPTION: Waste Phenol, UN/
Poison B NA NO: UN1671
CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	laboratory trash contaminated					
02	with phenol	4cu feet		poison B	UN1671	U188
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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

PACK CONTAINER NO: 10 PAGE 10 OF 15

DO. DESCRIPTION: Waste Aluminum, Metallic, Powder, UN/ NA NO: UN1396
Flammable Solid

CONTAINER SIZE: 5GAL CONTAINER TYPE: POLY
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	<u>aluminum metal powder</u>	<u>1</u>	<u>lb</u>	<u>flam.solid</u>	<u>UN1396</u>	<u>D001</u>
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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

1 PACK CONTAINER NO: 11 PAGE 11 OF 15

DOT DESCRIPTION: Waste Water Reactive Solid NOS, (contains U080/D001), Flammable Solid UN/NA NO: UN2813

CONTAINER SIZE: 5GAL (30 Gal. or less) CONTAINER TYPE: POLY (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	calcium hydride	4	100g	flam.solid	UN2813	D001
02	calcium hydride	50	g	flam.solid	UN2813	D001
03	sodium borohydride	3	10g	flam.solid	UN2813	D001
04	sodium cyanoborohydride	10	g	flam.solid	UN2926	D001/D003
05	calcium hydride/tetrahydrofuran/acetone, 2:1:1	500	mls	flam.liquid	UN1993	D001
06	calcium hydride/methylene chloride, 1:1	250	mls	ORM-A	UN1593	U080
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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 1150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

LAB PACK CONTAINER NO: 12 PAGE 12 OF 15

DESCRIPTION: Waste Flammable Liquid, Poisonous NOS, NA NO: UN1992
Flammable Liquid (contains sodium azide & osmium tetroxide)
CONTAINER SIZE: 30GAL CONTAINER TYPE: FIBER
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	sodium azide	1	oz	poison B	UN1687	P105
02	atropine sulfate	2	1/8oz	NRM		NRM
03	benzyl iso-thiourea hydrochloride	25	g	NRM		NRM
04	osmium tetroxide in ethanol	1	gal	flam.liq	UN1170	D001/P087
05	osmium tetroxide in ethanol	1	L	flam.liq	UN1170	D001/P087
06	osmium tetroxide in ethanol	5	500mls	flam.liq	UN1170	D001/P087
07	osmium tetroxide	5	g	NRM		P087
08	sodium azide sol'n	1	gal	poison B	UN1687	P105
	(Ortho Triox Liquid Vegetation Killer (1.86% 2,4-bis(isopropyl amino)-methoxy-s-triazine, 0.68% pentachlorophenol, 0.08% chlorinated phenol, 97.38% inert))					
		1	gal	poison B	UN2810	NRM
10	Trimec Turf Herbicide (30.56% dimethyl amine salt of 2,4-dichlorophenoxy-acetic acid, 16.34% dimethyl amine salt of 2-(2-methyl-4-chlorophenoxy)-propionic acid, 2.77% dimethyl amine salt of 3,6-dichloro-1-anisic acid, 50.33% inert)					
		1	gal	poison B	UN2810	NRM
11	4% glutaraldehyde/formaldehyde	1	gal	ORM-A	UN1198	U122
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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

1. PACK CONTAINER NO: 13 PAGE 13 OF 15

DOT DESCRIPTION: Waste Ethyl Alcohol, UN/
Flammable Liquid NA NO: UN1170

CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	ethidium bromide contaminated lab trash	2.5cu feet		NRM		NRM
02	osmium tetroxide in ethanol	1	qt	flam.liq	UN1170	P087
03	diamino benzidine	100	mls	NRM		NRM
04	lead citrate sol'n	1	lb	NRM		D008
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I AM AN AUTHORIZED EMPLOYEE OF NORTH STATE ENVIRONMENTAL. I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA-SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE WHALE PROCESSORS, INC. LAB PACK GUIDELINES.

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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

1" PACK CONTAINER NO: 14 PAGE 14 OF 15

DOT DESCRIPTION: Waste Hydrazine, Anhydrous, UN/
Flammable Liquid NA NO: UN2029

CONTAINER SIZE: 5GAL CONTAINER TYPE: POLY
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA NO.
01	hydrazine, anhydrous	100	mls	flam.liq	UN2029	U133
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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 4150 Clement St. EPA ID: CA8360010328
San Francisco, CA 94121

LAB PACK CONTAINER NO: 15 PAGE 15 OF 15

DOT DESCRIPTION: Waste Hydrazine, Anhydrous UN/ NA NO: UN2029
Flammable Liquid

CONTAINER SIZE: 5GAL CONTAINER TYPE: POLY
(30 Gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	hydrazine, anhydrous	500	mls	flam.liq	UN2029	U133
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GENERATOR NAME: Veterans Administration Medical Center DATE: 4/18/90

GENERATOR LOCATION: 4150 Clement St. EPA ID: CA83G0010328
San Francisco, CA 94121

B PACK CONTAINER NO: 6 PAGE 6 OF 15

DOT DESCRIPTION: Waste Poison B Liquid NOS, UN/ NA NO: UN2810
Poison B (contains sodium cyanide/potassium cyanide)
CONTAINER SIZE: 30gal CONTAINER TYPE: fiber
(30 Gal. or less) (Fiber or Poly)

document # 9002461

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/ NA	EPA NO.
01	tetrabutyl ammonium phosphate	10	g	NRM		NRM
02	phenyl isothiocyanate	1	ml	NRM		NRM
03	cyanogen bromide	250	mls	poison B	UN1889	U246
04	sodium cyanide	5	g	poison B	UN1689	P106
05	potassium ferrocyanide	50	mls	poison B	UN2811	P030
06	potassium ferrocyanide	1/2	lb	poison B	UN2811	P030
07	potassium ferrocyanide	100	g	poison B	UN2811	P030
08	potassium ferrocyanide	10	g	poison B	UN2811	P030
09	ammonium sulfide sol'n	1	pt	flam.liq	UN2683	D001/D003
10	ammonium sulfide sol'n	100	mls	flam.liq	UN2683	D001/D003
11	ammonium hydroxide	2	500mls	corr.mat	NA2672	D002
12	sodium hydroxide/ sodium sulfite solution	2.5	gal	corr.mat	UN1824	D002
13	sodium hydroxide/ sodium sulfite solution	0.5	gal	corr.mat	UN1824	D002
14	Lysing and Hemoglobin Reagent (38g/l cationic surfactant, 280ppm potassium cyanide)	6	500mls	poison B	UN1680	P098
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DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST NO. 901433

Please print or type. (Form designed for use on 11x17 (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. TXIP490111686314183		Manifest Document No.	
3. Generator's Name and Mailing Address U.S. POSTAL SERVICES 401 DFW TURNPIKE/DALLAS, TX. 75260-9106				2. Page 1 of 1	
4. Generator's Phone (214) 948-2852				Information in the shaded areas is not required by Federal law.	
5. Transporter 1 Company Name SOUTHERN WASTE MANAGEMENT				A. State Manifest Document Number XXX04	
6. US EPA ID Number TXID980795785				B. State Generator's ID Number 40383	
7. Transporter 2 Company Name SOUTHERN WASTE MANAGEMENT				C. State Transporter's ID Number 40383	
8. US EPA ID Number TXID980795785				D. State Transporter's Phone Number 214-869-0447	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380				E. State Facility's ID Number 40383	
10. US EPA ID Number LA0981057706				F. State Facility's Phone Number (504) 631-3161	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers	
a. (RQ D001 100#) WASTE FLAMMABLE SOLID, N.O.S. FLAMMABLE SOLID UN 1325 (POLYACRYLATE ADHESIVE)				No. Type	
				2 DM 1000 P	
b. (RQ D001 100#) WASTE FLAMMABLE SOLID, N.O.S. FLAMMABLE SOLID UN 1325 (ADHESIVE)				2 DM 11900 P	

J. Additional Descriptions for Materials Listed Above A. SWM/USPD/8908169 ADHESIVE/DEBRIS B. SWM/USPD/8908169 ADHESIVES/DEBRIS IN OVERPACK		K. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information WEAR GLOVES, SAFETY GLASSES, PROTECTIVE CLOTHING. IN CASE OF EMERGENCY, CONTACT SOUTHERN WASTE MANAGEMENT @ 214-869-0447 IF UNABLE TO DELIVER, RETURN TO GENERATOR			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.			
Printed/Typed Name BRUCE C. MACDONALD		Signature Bruce C. MacDonald	
17. Transporter 1 Acknowledgement of Receipt of Materials		Month Day Year 05/22/90	
Printed/Typed Name Benny Young		Signature Benny Young	
18. Transporter 2 Acknowledgement of Receipt of Materials		Month Day Year 05/22/90	
Printed/Typed Name VAL R. HARTMAN		Signature Val R. Hartman	
19. Discrepancy Indication Space		Month Day Year 05/23/90	
This manifest replaces 804101 cm 11a and 11b. 916600 is a DX Reg. No. 12			
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Month Day Year 05/23/90	
Printed/Typed Name Catherine McArthur		Signature Catherine McArthur	

EPA Form 8700-22 (Rev. 9-88)

Original-DEQ

Generator's 2nd, Yellow-Disposer, Pink-Transporter, Green-Generator 1st

DEQ FORM 1 (9-88)

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MATERIALS CHARACTERIZATION DATA SHEET

8946169
U.S. Postal Service
3300 MEADOW
DALLAS, TX
Terry Porter
Postal Inspector
214 948-2852
NONE

Southern Waste Mat
1645 Rhyme St.
Dallas, TX 75229
214 869-0447
Dana Curtis
55 GALLON DRUM
D001
Abandoned leaking drums clean up
Contaminated Soil
4 DRUM PER DTD
4 DRUMS IN 55 gal drum

CHEMICAL COMPOSITION (Inc Trade Names)

DIRT, GRASS, ROCKS 75
TYVEE SUITS, GLOVES, ETC <5
Adhesive (POLYACRYLATE) <5
Powdered Adhesive <20
Butyl cellosolve <5

METALS (EP Toxicity Test, mg/l)

Antimony (As)	.3	Silver (Ag)	TRACE
Barium (Ba)	.1	Copper (Cu)	NONE
Cadmium (Cd)	.6	Nickel (Ni)	NONE
Chromium (Cr)	.05	Zinc (Zn)	NONE
Lead (Pb)	.4		
Mercury (Hg)	TRACE		
Selenium (Se)	.3		

INORGANICS (mg/l or ppm)

Total CN	NONE	Iodine	NONE
Free CN	NONE	Asbestos	NONE
Sulfide	NONE		
Chloride	NONE		
Bisulfite	NONE		
Sulfite	NONE		
Sulfate	NONE		
Phosphate	NONE		
Fluorine	NONE		
Bromine	NONE		
Chlorine	NONE		

ORGANICS (mg/l or ppm)

Endrin	NONE	Organohalide	NONE
Methoxychlor	NONE	Mercaptans	NONE
Toxaphene	NONE		
2,4-D	NONE		
2,4,5-T	NONE		
Phenolates	NONE		
PCBs	NONE		
Dioxin	NONE		
TOC	NONE		

Waste DOT Hazardous YES
Proper DOT Shipping Name WASTE FLAMMABLE SOLID
Hazard Class FLAM ID No D001 UN 1325
Transportation Equipment Flat BED
Packaging FLAM Solid

PHYSICAL DESCRIPTION

Physical State Liquid
Phase/Layering 1X1 Uni-Layer
Viscosity High
Type of Solids Organic
Total Solids (wt %) 100
% Ash Content 60
Flash Point (°F) <140
Specific Gravity 10 lbs/gallon
Boiling Point (°F) N/A
Vapor Pressure (mm Hg @ 24°C) N/A
pH (Amp) NEUTRAL
Total Alkalinity/Acidity (%) N/A
Odor NONE
Color

HAZARDOUS PROPERTIES

Water Reactive	Reactive	Explosive
Shock Sensitive	Pyrophoric	Polymerizable
Radioactive	Pesticide Residuals	Ignitable
Corrosive	Toxic Vapor	Pathogen
Biological	Biological	
Other		

REQUIRED PERSONNEL PROTECTIVE

EQUIPMENT AND PROCEDURES: Wear safety glasses, gloves, protective clothing

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omission or suppression of information exists and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 11/24/85 GENERATOR'S SIGNATURE Terry Porter



MATERIALS CHARACTERIZATION DATA SHEET

MAXINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504 465-3310

DEC 14 1989

For MSP Use Only

Approval Code _____

A. General Information

Company Name US POSTAL SERVICE
Address 3300 MEADOW
City Dallas State TX Zip Code _____
Generator Contact TERRY PORTER
Title POSTAL INSPECTOR
Telephone No. (214) 948-2852
Facility EPA ID No. APPLIED FOR

B. Customer Information

Company Name Southern Waste Mgt
Contact 1645 Rhone St.
Address Dallas, TX 75229
DAVID KELLER / DANA CURTIS
Telephone No. (214) 869-0447
For Customer Use _____

C. Regulatory Information

☒ RCRA Regulated

☐ Land Ban

☐ Non-Regulated

EPA Waste Code(s) D001

D. Chemical Composition

MSD READS PLACES - Samples must not exceed 20% Total in maximum column must be greater than or equal to 100%

DIRT, GRASS, ROCKS

TYVEC SUITS, GLOVES, ETC.

ADHESIVE (POLYACRYLATE)

POWDERED ADHESIVE

BUTYL CELLOSOLVE

Common name of waste: _____

E. General Characteristics

Color DIRT WITH YELLOW GRANULES

Odor: ☐ None ☒ Mild ☐ Strong

☐ Liquid ☐ Sludge ☒ Solid ☐ Powder

Phases ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:
Radioactive? Y ☒ N ☐ Polymerizable? Y ☒ N ☐
Infectious? Y ☒ N ☐ Pyrophoric? Y ☒ N ☐
Water Reactive? Y ☒ N ☐ Explosive? Y ☒ N ☐

G. Physical/Chemical Properties

Ash (Not actual Wt %) 60% Water (Wt %) ☒ < 1 ☐ 5-10 ☐ > 10
BTUs per lb (Not actual value) < 5000 ☐ 1-5 ☐ > 10
Specific Gravity ☐ < 0.8 ☐ 1.2-1.4 ☐ 1.0-1.2 ☐ > 1.7
Viscosity (for bulk liquids only) _____
List actual in container _____
Total Suspended Solids (Wt % for bulk liquids only) ☐ 5-20 ☐ 10-12.5 ☐ > 12.5
List actual _____

Flash Point (closed cup)

☐ < 100°F ☐ > 200°F
☒ 100°-140°F ☐ _____ °F
☐ 140°-200°F actual _____

Sulfur (Wt %)

☒ < 5
If > 5 list actual value _____

Halogens (Wt %) < 1

☒ Iodine ☐ 1-5 ☐ 5-10 ☐ > 10 list actual Wt %
☒ Bromine ☐ _____
☒ Chlorine ☐ _____
☐ Fluorine actual Wt % 93/11/51

Metals: EP Toxicity Test (MQL/L)

Arsenic (As) .3
Barium (Ba) .1
Cadmium (Cd) .6
Chromium (Cr) .05
Lead (Pb) .4
Mercury (Hg) NONE

Selenium (Se) .3

Silver (Ag) NONE
Copper (Cu) NONE
Nickel (Ni) NONE
Zinc (Zn) NONE

Organics (ppm)

Endrin NONE
Dieldrin NONE
Methoxychlor NONE
Toxaphene NONE
2,4-D NONE
2,4,5-TP (Silvex) NONE

If material contains the following compounds, indicate actual ppm:
PCB NONE
Cyanides NONE
Sulfides NONE
Disinfectants NONE

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FEB 20 1990



UNITED STATES POSTAL SERVICE
Field Division
Dallas, Texas 75280-9101

February 13, 1990

Southern Waste Management
P. O. Box 59847
Dallas, TX 75229-9847

Gentlemen:

The U. S. Postal Service has been issued a temporary ID number, TXP490116863, by the RPA.

This letter is your authorization to proceed with the final disposal of the drums removed from the site located on Meadow Lane (Juanita Craft) Dallas, Texas.

Terry Porter
Acting Manager, Support Services

cc: Director, City Operations
Manager, Fair Park Station
Manager, Safety & Health Services

SOUTHERN WASTE MANAGEMENT CO.
P. O. Box 59847
Dallas, Texas 75229

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE ☒
MANIFEST NO. 918510

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

Form Approved OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NY 1015171010214127310100012		2. Page 1 of 1		Information in the shaded areas is not required by Federal law	
3. Generator's Name and Mailing Address DEPARTMENT OF THE AIR FORCE, 914th Tactical Airlift Group (AFRES) Niagara Falls, NY 14304-5000				A. State Manifest Document Number			
4. Generator's Phone (716) 236-2000				B. State Generator's ID Niagara Falls, NY Edg. 405, Niagara Falls Airbase			
5. Transporter 1 Company Name ENVIRONMENTAL PRODUCTS & SERVICES, INC.				C. State Transporter's ID T 441-LL NJ			
6. US EPA ID Number NY 1015171010214127310100012				D. Transporter's Phone 315 471 7831			
7. Transporter 2 Company Name				E. State Transporter's ID			
8. US EPA ID Number				F. Transporter's Phone			
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380				G. State Facility's ID			
10. US EPA ID Number LA D981057706				H. Facility's Phone (504) 631-3161			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity	
a. RQ Waste Flammable Solid, N.O.S. (D001) Flammable Solid, UN 1325				6880 IM		3334150 P	
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above a) Jet Fuel ENY/DAIR 9001856				K. Handling Codes for Wastes Listed Above B			
15. Special Handling Instructions and Additional Information JOB 33B1177A IF UNABLE TO DELIVER, RETURN TO GENERATOR							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name WILLIAM A. NIVER				Signature William A. Niver			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name X AEROV DAVIS				Signature AEROV DAVIS			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Jeannie Labraro							
Signature Jeannie Labraro				Month Day Year 10/13/91			

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DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST No 918509

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

Form Approved OMB No. 2050-0039 Exp. 12-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYK 1517 1010 1214 121 73 P 101011		Manifest Document No. 2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address DEPARTMENT OF THE AIR FORCE, 914th Tactical Airlift Group (AFRES) Niagara Falls, NY 14304-5000				A. State Manifest Document Number		B. State Generator's ID Niagara Falls, NY Bldg. 405, Niagara Falls Airbase	
4. Generator's Phone (716) 236-2000				6. US EPA ID Number		C. State Transporter's ID T 440561 NJ	
5. Transporter 1 Company Name Environmental Products & Services, Inc.				7. US EPA ID Number IN Y D 918107611191		D. Transporter's Phone 315 471 0503	
7. Transporter 2 Company Name				8. US EPA ID Number		E. State Transporter's ID	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380				10. US EPA ID Number LA D 9181057706		F. Transporter's Phone (504) 631-3161	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity	
a. Waste Flammable Solid, N.O.S. (Acetone, Hexane) Flammable Solid, UN1325				0101 d m		1160 P	
b. RQ Waste Flammable Solid, N.O.S. (Dool) Flammable Solid, UN 1325				01817 d m		1181457 P	
c.							
d.							
J. Additional Descriptions for Materials Listed Above a) Acetone, Hexane ENY/LAIR 9001858 b) Jet Fuel ENY/LAIR 9001857				K. Handling Codes for Wastes Listed Above B			
15. Special Handling Instructions and Additional Information Job #33B1177A							
IF UNABLE TO DELIVER, RETURN TO GENERATOR							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name WILLIAM A. NIVER				Signature William A. Niver		Month Day Year 10/13/90	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature Nate Brisson		Month Day Year 10/13/90	
Printed/Typed Name Nate Brisson				Signature Nate Brisson		Month Day Year 10/13/90	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Debbie Labrante							
Signature Debbie Labrante				Month Day Year 05/03/90			

EPA Form 3700-22 (Rev. 9/92)

WHITE - DEQ, GREY - Generator, YELLOW - TSDRF, BLUE - Transporter 2, PINK - Transporter 1, GOLD - Generator

DEQ FORM HW-3 (R 9/92)

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE
MANIFEST 014498

Print or type. (Form designed for use on either (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Exp. (9-30-9)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address DEPARTMENT OF THE AIR FORCE, 914th Tactical Airlift Group (AFRES) Niagara Falls, NY 14304-5000		NY 1015710101214121713101010101		A. State Manifest Document Number B. State Generator's ID Number C. State Facility's ID Number D. State Transporter's ID Number E. State Transporter's Phone F. State Facility's Phone	
4. Generator's Phone (716) 236-2000		6. US EPA ID Number NY 1015710101214121713101010101		G. State Facility's Phone	
5. Transporter 1 Company Name Environmental Products & Services, Inc.		7. Transporter 2 Company Name		H. State Transporter's Phone	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number LA 0981057706		I. State Facility's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	
a. RQ Waste Flammable Solid, N.O.S. (D001) Flammable Solid, UN 1325		0103 DM 011118 P		Dool	
b. RQ Waste Flammable Solid, N.O.S. (Dool) Flammable Solid, UN 1325		0115 DM 01295 P		D001	
c.					
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above			
a) Jet Fuel ENNY/dair 9001856		B			
b) Jet Fuel ENNY/dair 9001857					
15. Special Handling Instructions and Additional Information Job # 33B1177A IF UNABLE TO DELIVER, RETURN TO GENERATOR					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name WILLIAM A NIVER		Signature William A Niver		Month Day Year 1050890	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature Nate Brisson		Month Day Year 1050890	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name		Signature		Month Day Year	

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC. APR 05 1990 For MSP Use Only
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310 9001858

Approval Code _____

A. Generator Information

Generator Name Department of Air Force
Site Address 914th Tactical Airlift Grp (AFRES)
City Niagara Falls State NY Zip Code 14304-5000
Generator Contact Ken Collins
Title Engineer
Telephone No. (716) 236-2000
Facility EPA ID No. NYO 570024273

B. Customer Information

Company Name Environmental Products & Services
Contact Patrick Baker
Address PO Box 676
Buffalo, NY 14217
Telephone No. (716) 876-7100
For Customer Use FAX (716) 876-2733

C. Regulatory Information

☒ RCRA Regulated ☒ Land Ban ☐ Non-Regulated EPA Waste Code(s) F003; D001

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
<u>Debris/(paper towels, tyvek suits, sorbent pads)</u>	<u>90</u>	<u>95</u>
<u>Acetone/hexane</u>	<u>1</u>	<u>5</u>

Common Name of Waste: Sampling debris contaminated with spent solvents (acetone, hexane)

E. General Characteristics

Color: clear
Odor: ☐ None ☒ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:
Radioactive? Y ☒ N ☐ Polymerizable? Y ☐ N ☒
Infectious? Y ☒ N ☐ Pyrophoric? Y ☐ N ☒
Water Reactive? Y ☒ N ☐ Explosive? Y ☐ N ☒

G. Physical/Chemical Properties

Ash (list actual Wt %) 25 Water (Wt %) ☒ <1 ☐ 5-10 Specific Gravity ☐ <0.8 ☐ 1.2-1.4 Viscosity n/a Total Suspended Solids n/a pH 3-6-10
BTU's per lb ☐ 1-5 ☐ >10 ☐ 0.8-1.0 ☐ 1.4-1.7 (for bulk liquids only) (Wt % for bulk liquids only) ☐ 5-20 ☐ 10-12.5
(list actual value) 5000 list actual list actual list actual list actual if < 2 or > 12.5

Flash Point (closed cup) < 100°F ☐ > 200°F Sulfur (Wt %) < 5 Halogens (Wt %) < 1 1-5 5-10 if > 10 list actual Wt %
☐ 100°-140°F ☐ 140°-200°F actual list actual value ☒ Iodine ☐ Bromine ☒ Chlorine ☒ Fluorine < 1 actual Wt %

Metals: EP Toxicity Test (MG/L) ns= not suspected

Arsenic (As) ns Selenium (Se) ns
Barium (Ba) ns Silver (Ag) ns
Cadmium (Cd) ns Copper (Cu) ns
Chromium (Cr) ns Nickel (Ni) ns
Lead (Pb) ns Zinc (Zn) ns
Mercury (Hg) ns

Organics (ppm) ns=not suspected

Endrin ns If material contains the following compounds, indicate actual ppm:
Lindane ns PCB ns
Methoxychlor ns Cyanides ns
Toxaphene ns Sulfides ns
2,4-D ns Dioxin ns
2,4,5-TP (Silver) ns

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APR 10 1996

MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.

110 James Drive West, Suite 120

St. Rose, LA 70087

504-465-3310

For MSP Use Only

Approval Code 9001858

A. Generator Information

Generator Name Department of the Air ForceSite Address 914th Tactical Airlift Grp (AFRES)City Niagara Falls State NY Zip Code 14304Generator Contact Int'l AirportTitle Ken CollinsTelephone No. 1 716 236-2000Facility EPA ID No. NY0570024273

B. Customer Information

Company Name Environmental Products & ServicesContact Patrick BakerAddress PO Box 676Buffalo, NY 14217Telephone No. 716 876-7100For Customer Use FAX (716) 876-2733

C. Regulatory Information

☒ RCRA Regulated☒ Land Ban☐ Non-RegulatedEPA Waste Code(s) F003; D001

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
<u>Debris (paper towels, tyvek suits, sorbent pads)</u>	<u>90</u>	<u>95</u>
<u>Acetone/hexane</u>	<u>1</u>	<u>5</u>

Common Name of Waste: sampling debris contaminated with spent solvents (acetone, hexane)

E. General Characteristics

Color: clearOdor: ☐ None ☒ Mild ☐ Strong☐ Liquid ☐ Sludge ☒ Solid ☐ PowderPhases ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	☒ N	Polymerizable?	Y	☒ N
Infectious?	Y	☒ N	Pyrophoric?	Y	☒ N
Water Reactive?	Y	☒ N	Explosive?	Y	☒ N

G. Physical/Chemical Properties

Ash (list actual Wt %)	Water (Wt %)	Specific Gravity	Viscosity	Total Suspended Solids	pH
<u>25</u>	☒ <1 ☐ 5-10	☐ <0.8 ☐ 1.2-1.4	<u>n/a</u>	<u>n/a</u>	☐ 2-6 ☒ 6-10
BTU's per lb	☐ 1-5 ☒ >10	☐ 0.8-1.0 ☐ 1.4-1.7	(for bulk liquids only)	(Wt % for bulk liquids only)	☐ 10-12.5
(list actual value)		☒ 1.0-1.2 ☐ >1.7	list actual in centipoise	if >20	if <2 or >12.5
<u>5000</u>	list actual	list actual	cp	list actual	list actual

Flash Point (closed cup)

☒ <100°F ☐ >200°F
☐ 100°-140°F ☐ _____°F
☐ 140°-200°F actual

Sulfur (Wt %)

☒ <5
if >5 list actual value

Halogens (Wt %)

<1	1-5	5-10	if >10 list actual Wt %
Cl Iodine	☒	☐	
Cl Bromine	☒	☐	
Cl Chlorine	☒	☐	
Cl Fluorine	☒	actual Wt %	

Metals: EP Toxicity Test (MG/L) ns=not suspected

Arsenic (As)	<u>ns</u>	Selenium (Se)	<u>ns</u>
Barium (Ba)	<u>ns</u>	Silver (Ag)	<u>ns</u>
Cadmium (Cd)	<u>ns</u>	Copper (Cu)	<u>ns</u>
Chromium (Cr)	<u>ns</u>	Nickel (Ni)	<u>ns</u>
Lead (Pb)	<u>ns</u>	Zinc (Zn)	<u>ns</u>
Mercury (Hg)	<u>ns</u>		

Organics (ppm) ns=none suspected

Enclon	<u>ns</u>	If material contains the following compounds, indicate actual ppm:
Lindane	<u>ns</u>	PCB's <u>ns</u>
Methoxychlor	<u>ns</u>	Cyanides <u>ns</u>
Toxaphene	<u>ns</u>	Sulfides <u>ns</u>
2,4-D	<u>ns</u>	Dioxin <u>ns</u>
2,4,5-TP (Silvex)	<u>ns</u>	

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

APR 05 1990

For MSP Use Only

9001857

Approval Code

A. Generator Information

Generator Name Department of Air Force
(AFRES)
Site Address 914th Tactical Airlift Grp
City Niagara Falls State NY Zip Code 14304-5000
Generator Contact William Nivers
Title Engineer
Telephone No. (716) 236-2000
Facility EPA I.D. No. NY0 570024273

B. Customer Information

Company Name Environmental Products & Services
Contact Patrick Baker
Address PO Box 676
Buffalo, NY 14217
Telephone No. (716) 876-7100
For Customer Use Fax (716) 876-2733

C. Regulatory Information

☒ RCRA Regulated ☐ Land Ban ☐ Non-Regulated EPA Waste Code(s) D001

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
<u>Sorbents</u>	<u>25</u>	<u>30</u>
<u>JP4 Jet Fuel</u>	<u>40</u>	<u>60</u>
<u>Water</u>	<u>1</u>	<u>9</u>
<u>Dirt</u>	<u>1</u>	<u>1</u>

Common Name of Waste: JP 4 Jet Fuel with sorbents

E. General Characteristics

Color: clear
Odor: ☐ None ☒ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:
Radioactive? Y ☒ N ☐ Polymerizable? Y ☒ N ☐
Infectious? Y ☒ N ☐ Pyrophoric? Y ☒ N ☐
Water Reactive? Y ☒ N ☐ Explosive? Y ☒ N ☐

G. Physical/Chemical Properties

Ash (first actual Wt %) 0.76% Water (Wt %) ☐ <1 ☐ 5-10
BTU's per lb (first actual value) 18,200 ☒ 1-5 ☐ if > 10
Specific Gravity ☐ <0.8 ☐ 1.2-1.4
☒ 0.8-1.0 ☐ 1.4-1.7
list actual 1.0 list actual 1.0
Viscosity n/a Total n/a
(for bulk liquids only) (Wt % for bulk liquids only)
list actual in centipoise ☐ 5-20 ☐ 10-12.5
cp list actual 1 if > 20 if < 2 or > 12.5
list actual 1 list actual 1

Flash Point (closed cup) > 200°F Sulfur (Wt %) ☒ <5
☐ <100°F ☐ > 200°F if > 5 list actual value 1
☒ 100°-140°F ☐ actual 1
☐ 140°-200°F actual 1
Halogens (Wt %) ☒ <1 1-5 5-10 if > 10 list actual Wt %
☐ Iodine ☒ ☐ ☐
☐ Bromine ☒ ☐ ☐
☐ Chlorine ☒ ☐ ☐
☐ Fluorine ☒ actual Wt % 1

Metals: EP Toxicity Test (MG/L) ns=not suspected

Arsenic (As) ns Selenium (Se) ns
Barium (Ba) ns Silver (Ag) ns
Cadmium (Cd) ns Copper (Cu) ns
Chromium (Cr) ns Nickel (Ni) ns
Lead (Pb) ns Zinc (Zn) ns
Mercury (Hg) ns

Organics (ppm) ns=not suspected

Endrin ns If material contains the following
Lindane ns compounds, indicate actual ppm:
Methoxychlor ns PCB ns
Toxaphene ns Cyanides ns
2,4-D ns Sulfides ns
2,4,5-TP (Silvex) ns Dioxin ns

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H. Notes, Additional Information or Special Handling Instructions

See attached analytical sample #273

Generating Process: JP4-Jet Fuel Spill Cleanup

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

Flammable material -- Standard safety procedures

J. Shipping Information

DOT Hazardous Material ☒ N
Proper Shipping Name Flammable Solid N.O.S. DOT LD. No. 1325 (circle one)
Hazard Class Flammable Solid RQ ☒ N/NA
Anticipated Volume 200 Drums Gal Yds Lbs ☐ Bulk? ☐ Rail?
Container Size 55-Gallon Container Type DOT 17-H drum
Per ☐ One time ☐ Week ☐ Month ☒ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed, I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. William A. Niner

Generator's Signature

2. WILLIAM A. NINER

Name (Type or Print)

3. 3 APR 90

Date

4. ENVIRONMENTAL ENGINEER

Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

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FRONTIER ENVIRONMENTAL LABORATORIES, INC.

4626 Royal Avenue • M P O Box 309 • Niagara Falls, New York 14302 • Phone (716) 285-2587 — FAX (716) 285-3521

Date: March 26, 1990

ANALYTICAL RESULTS FOR

Environmental Products & Services
P. O. Box 676
Buffalo, New York 14217

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM (ELAP)
CERTIFICATION #10797

FIELD INFORMATION

Name of Collector: P. Baker

ASSIGNED FEL# I.D.	SAMPLE I.D.#	SAMPLE TYPE	Site, Date and Time of Collection
4168-01	273	Solid	Site: N.F. Air Base
4168-02	274	Solid	Date: March 21, 1990
			Time: 1000 hrs

Laboratory Information

Sample ID	Preservation Status Upon Acceptance	Date/Time Received
273, 274	Properly preserved and collected.	Date: March 21, 1990 Time: P. M.

REPORT RELEASED BY:

B. J. Guga

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FRONTIER ENVIRONMENTAL LABORATORIES, INC.

4626 Royal Avenue • M.P.O. Box 309 • Niagara Falls, New York 14302 • Phone (716) 285-2587 — FAX (716) 285-3521

DATE: March 26, 1990

ELAP # 10797

ANALYSIS FOR: Environmental Products & Services

FEL# 4168-01/02

<u>SAMPLE ID</u>		<u>TEST METHOD</u>	<u>DETECTION LIMIT ppm</u>	<u>RESULTS ppm</u>
273	Lead	EPA SW-846 (7420)	0.05	<DL
274	"	"	0.05	<DL

DL = Detection Limit

EXTRACTION METHOD REFERENCE: EPA SW-846 (1310) EP TOXICITY

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FRONTIER ENVIRONMENTAL LABORATORIES, INC.

4626 Royal Avenue • M.P.O. Box 309 • Niagara Falls, New York 14302 • Phone (716) 285-2587 — FAX (716) 285-3521

DATE: March 26, 1990

ELAP # 10797

ANALYSIS FOR: Environmental Products & Services

FEL# 4168-01/02

<u>SAMPLE ID</u>	<u>TEST</u>	<u>TEST METHOD</u>	<u>DETECTION LIMIT</u>	<u>RESULTS</u>
273	Caloric Content	ASTM D-240-76	27 BTU/lb	18,200 BTU/lb
274	"	" "	34 BTU/lb	1,500 BTU/lb
273	% Ash	ASTM D-482-80	NA	0.76%
274	"	" "	NA	7.41%

NA = Not Applicable

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

For MSP Use Only

Approval Code 900 1857

A. Generator Information

Generator Name Department of the Air Force
Site Address 914th Tactical Airlift Grp (AFRES)
City Niagara Falls State NY Zip Code 14304-
Intl Airport
Generator Contact William Nivers 5000
Title Engineer
Telephone No. 1 716 236-2000
Facility EPA ID No. NY0570024273

B. Customer Information

Company Name Environmental Products & Services
Contact Patrick Baker
Address PO Box 676
Buffalo, NY 14217
Telephone No. 1 716 876-7100
For Customer Use Fax (716) 876-2733

C. Regulatory Information

☒ RCRA Regulated☐ Land Ban☐ Non-RegulatedEPA Waste Code(s) D001

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
<u>SORBENTS</u>	<u>25</u>	<u>30</u>
<u>JP4 Jet Fuel</u>	<u>40</u>	<u>60</u>
<u>Water</u>	<u>1</u>	<u>9</u>
<u>Dirt</u>	<u>1</u>	<u>1</u>

Common Name of Waste: JP 4 Jet Fuel with sorbents

E. General Characteristics

Color clearOdor: ☐ None ☒ Mild ☐ Strong☐ Liquid ☐ Sludge ☒ Solid ☐ PowderPhases ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	☒ N	Polymerizable?	Y	☒ N
Infectious?	Y	☒ N	Pyrophoric?	Y	☒ N
Water Reactive?	Y	☒ N	Explosive?	Y	☒ N

G. Physical/Chemical Properties

Ash (list actual Wt %)	Water (Wt %)	Specific Gravity	Viscosity n/a	Total n/a	pH
<u>0.76%</u>	☐ <1 ☐ 5-10	☐ <0.8 ☐ 1.2-1.4	(for bulk liquids only)	Suspended Solids	☐ 2-6 ☒ 6-10
BTU's per lb	☒ 1-5 ☐ >10	☐ 0.8-1.0 ☐ 1.4-1.7	list actual in centipoise	☐ 5-20	☐ 10-12.5
(list actual value)	list actual	☒ 1.0-1.2 ☐ >1.7	cp	if < 20	if < 2 or > 12.5
<u>18,200</u>		list actual		list actual	list actual

Flash Point (closed cup)

☐ < 100°F ☐ > 200°F
☒ 100°-140°F ☐ _____°F
☐ 140°-200°F actual

Sulfur (Wt %)

☒ < 5
if > 5 list actual value

Halogens (Wt %)

<1 1-5 5-10 if > 10 list actual Wt %
Iodine ☒ ☐ ☐
Bromine ☒ ☐ ☐
Chlorine ☒ ☐ ☐
Fluorine ☒ actual Wt %

Metals: EP Toxicity Test (MG/L)

ns=not suspected
Arsenic (As) ns Selenium (Se) ns
Barium (Ba) ns Silver (Ag) ns
Cadmium (Cd) ns Copper (Cu) ns
Chromium (Cr) ns Nickel (Ni) ns
Lead (Pb) ns Zinc (Zn) ns
Mercury (Hg) ns

Organics (ppm)

ns=not suspected
Endrin ns If material contains the following
Dieldrin ns compounds, indicate actual ppm:
Methoxychlor ns PCB ns
Toxaphene ns Cyanides ns
2,4-D ns Sulfides ns
2,4,5-TP (Silvex) ns Dioxin ns

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FRONTIER ENVIRONMENTAL LABORATORIES, INC.

4626 Royal Avenue • M.P.O. Bpx 309 • Niagara Falls, New York 14302 • Phone (716) 285-2587 — FAX (716) 285-3521

DATE: March 26, 1990

ELAP # 10797

ANALYSIS FOR: Environmental Products & Services

FEL# 4168-01/02

<u>SAMPLE ID</u>	<u>TEST</u>	<u>TEST METHOD</u>	<u>DETECTION LIMIT</u>	<u>RESULTS</u>
273	Caloric Content	ASTM D-240-76	27 BTU/lb	18,200 BTU/lb
274	"	" "	34 BTU/lb	1,500 BTU/lb
273	% Ash	ASTM D-482-80	NA	0.76%
274	"	" "	NA	7.41%

NA = Not Applicable

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FRONTIER ENVIRONMENTAL LABORATORIES, INC.

4626 Royal Avenue • M.P.O. Box 309 • Niagara Falls, New York 14302 • Phone (716) 285-2587 — FAX (716) 285-3521

DATE: March 26, 1990

ELAP # 10797

ANALYSIS FOR: Environmental Products & Services

FEL# 4168-01/02

<u>SAMPLE ID</u>		<u>TEST METHOD</u>	<u>DETECTION LIMIT ppm</u>	<u>RESULTS ppm</u>
273	Lead	EPA SW-846 (7420)	0.05	<DL
274	"	"	0.05	<DL

DL = Detection Limit

EXTRACTION METHOD REFERENCE: EPA SW-846 (1310) EP TOXICITY

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FRONTIER ENVIRONMENTAL LABORATORIES, INC.

4626 Royal Avenue • M.P.O. Box 309 • Niagara Falls, New York 14302 • Phone (716) 285-2587 — FAX (716) 285-3521

Date: March 26, 1990

ANALYTICAL RESULTS FOR

Environmental Products & Services
P. O. Box 676
Buffalo, New York 14217

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM (ELAP)
CERTIFICATION #10797

FIELD INFORMATION

Name of Collector: P. Baker

ASSIGNED FEL# I.D.	SAMPLE I.D.#	SAMPLE TYPE	Site, Date and Time of Collection
4168-01	273	Solid	Site: N.F. Air Base
4168-02	274	Solid	Date: March 21, 1990
			Time: 1000 hrs

Laboratory Information

Sample ID	Preservation Status Upon Acceptance	Date/Time Received
273, 274	Properly preserved and collected.	Date: March 21, 1990 Time: P. M.

REPORT RELEASED BY:

B. J. Guaga

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.

110 James Drive West, Suite 120

St. Rose, LA 70087

504-465-3310

9001856

For MSP Use Only

Approval Code _____

A. Generator Information

Generator Name Department of the Air Force

Site Address 914th Tactical Airlift Group (ARPS)

City Niagara Falls

State NY

Zip Code 14304-5000

Generator Contact Int'l Airport

Wm. Nivers

Title

Engineer

Telephone No. (716) 236-2000

Facility EPA I.D. No. NYO 570024273

B. Customer Information

Company Name Environmental Products & Services Inc

Contact Patrick Baker

Address P.O. Box 676

Buffalo, NY 14217

Telephone No. (716) 876-7100

For Customer Use

C. Regulatory Information

☒ RCRA Regulated☐ Land Ban☐ Non-Regulated

EPA Waste Code(s) D001

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
Debris (weeds, sticks, wood)	80	90
JP 4 jet fuel	<1	3
water	<1	2
dirt, stones	1	5

Common Name of Waste: JP 4 jet fuel with debris & dirt

E. General Characteristics

Color:

Brown

Odor:

☐ None☒ Mild☐ Strong☐ Liquid☐ Sludge☒ Solid☐ Powder

Phases:

☒ Single Layer☐ Double Layer☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?

Y

☒ N

Polymerizable?

Y

☒ N

Infectious?

Y

☒ N

Pyrophoric?

Y

☒ N

Water Reactive?

Y

☒ N

Explosive?

Y

☒ N

G. Physical/Chemical Properties

Ash (list actual Wt %)

7.41

Water (Wt %)

☐ <1 ☐ 5-10☒ 1-5 if > 10

BTU's per lb

(list actual value)

1,500

list actual

Specific Gravity

☐ < 0.8 ☐ 1.2-1.4☐ 0.8-1.0 ☐ 1.4-1.7☒ 1.0-1.2 ☐ > 1.7

list actual

Viscosity N/A

(for bulk liquids only)

list actual in centipoise

cp

Total

Suspended Solids N/A pH

(Wt % for bulk liquids only)

☐ 5-20 if > 20

list actual

☐ 2-6☒ 6-10☐ 10-12.5

if < 2 or > 12.5

list actual

Flash Point (closed cup)

☐ < 100°F☐ > 200°F☒ 100°-140°F☐ _____ °F☐ 140°-200°F

actual

Sulfur (Wt %)

☒ < 5

if > 5 list actual value

Halogens (Wt %)

☒ < 1

actual

Wt %

1-5

5-10

if > 10 list actual Wt %

☐ Iodine☐ Bromine☐ Chlorine☐ Fluorine☒ < 1

actual

Wt %

Metals: EP Toxicity Test (MG/L)

NS=Not Suspected

Arsenic (As)

NS

Barium (Ba)

NS

Cadmium (Cd)

NS

Chromium (Cr)

NS

Lead (Pb)

NS

Mercury (Hg)

NS

Selenium (Se)

NS

Silver (Ag)

NS

Copper (Cu)

NS

Nickel (Ni)

NS

Zinc (Zn)

NS

Organics (ppm) NS = Not suspected

Endrin

NS

Lindane

NS

Methoxychlor

NS

Toxaphene

NS

2,4-D

NS

2,4,5-TP (Silvex)

NS

If material contains the following

compounds, indicate actual ppm:

PCB

NS

Cyanides

NS

Sulfides

NS

Dioxin

NS

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FRONTIER ENVIRONMENTAL LABORATORIES, INC.

4626 Royal Avenue • M.P.O. Box 309 • Niagara Falls, New York 14302 • Phone (716) 285-2587 — FAX (716) 285-3521

Date: March 26, 1990

ANALYTICAL RESULTS FOR

Environmental Products & Services
P. O. Box 676
Buffalo, New York 14217

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM (ELAP)
CERTIFICATION #10797

FIELD INFORMATION

Name of Collector: P. Baker

ASSIGNED FEL# I.D.	SAMPLE I.D.#	SAMPLE TYPE	Site, Date and Time of Collection
4168-01	273	Solid	Site: N.F. Air Base
4168-02	274	Solid	Date: March 21, 1990 Time: 1000 hrs

Laboratory Information

Sample ID	Preservation Status Upon Acceptance	Date/Time Received
273, 274	Properly preserved and collected.	Date: March 21, 1990 Time: P. M.

REPORT RELEASED BY:

R. J. Guga

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FRONTIER ENVIRONMENTAL LABORATORIES, INC.

626 Royal Avenue • M.P.O. Box 309 • Niagara Falls, New York 14302 • Phone (716) 285-2587 — FAX (716) 285-3521

DATE: March 26, 1990

ELAP # 10797

ANALYSIS FOR: Environmental Products & Services

FEL# 4168-01/02

<u>SAMPLE ID</u>		<u>TEST METHOD</u>	<u>DETECTION LIMIT ppm</u>	<u>RESULTS ppm</u>
273	Lead	EPA SW-846 (7420)	0.05	<DL
274	"	"	0.05	<DL

DL = Detection Limit

EXTRACTION METHOD REFERENCE: EPA SW-846 (1310) EP TOXICITY

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FRONTIER ENVIRONMENTAL LABORATORIES, INC.

4626 Royal Avenue • M.P.O. Box 309 • Niagara Falls, New York 14302 • Phone (716) 285-2587 — FAX (716) 285-3521

DATE: March 26, 1990

ELAP # 10797

ANALYSIS FOR: Environmental Products & Services

FEL# 4168-01/02

<u>SAMPLE ID</u>	<u>TEST</u>	<u>TEST METHOD</u>	<u>DETECTION LIMIT</u>	<u>RESULTS</u>
273	Caloric Content	ASTM D-240-76	27 BTU/lb	18,200 BTU/lb
274	"	" "	34 BTU/lb	1,500 BTU/lb
273	% Ash	ASTM D-482-80	NA	0.76%
274	"	" "	NA	7.41%

NA = Not Applicable

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DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE REUSE

MANIFEST No. 917331

Form Approved OMB No. 2050-0039 Expires 3-30-91

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

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No. 01K1016910514000019101017		Manifest Document No. 19101017		2 Page 1 1 of 1		Information in the shaded areas is not required by Federal law.	
U.S. Generator Name and Address: U.S. Air Force Military Aeronautical Center P.O. Box 25082 AAC-51 Oklahoma City, OK 73125 Generator's Phone () 405-680-4532						A. State Manifest Document Number			
5. Transporter 1 Company Name Chief Supply, Corp.						6. US EPA ID Number 01K1016910514000019101017		C. State Transporter's ID 3074	
7. Transporter 2 Company Name Chief Supply, Corp.						8. US EPA ID Number 01K1016910514000019101017		D. Transporter's Phone 918-482-5271	
9. Designated Facility Name and Site Address: MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380						10. US EPA ID Number LA91008		E. State Facility's ID LA91008	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity	
a. Hazardous Waste Liquid N.O.S. ORN-E NA9189/DO07-DO08 CHI/FMM/9002168 RQ						135 D1M		1191215 G DO07-DO08	
b. Waste Petroleum Naphtha, Flammable Liquid UN1255/ DO01-DO06-DO08 CHI/FMM/9002169 RQ						11 D1M		1115 G DO01-R DO06-DO08	
c. Waste Flammable Liquid N.O.S. (containing kerosene and gasoline) Flammable Liquid UN1993/DO01-DO08 CHI/FMM/9002170 RQ						11 D1M		1155 G DO01-DO08	
d. Waste Petroleum Naphtha, Flammable Liquid, UN1255/ DO01-DO07-DO08 CHI/FMM/9002171 RQ						11 D1M		1155 G DO01-R DO07-DO08	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above			
Item 11a - Above consists of water/paint solids & vermiculite-4002168									
Item 11b - Above consist of petroleum naphtha-9002169									
Item 11c - Above consist of gasoline & kerosene mixture-9002170									
Item 11d - Above consist of water and petroleum naphtha-4002171									
15. Special Handling Instructions and Additional Information						IN CASE OF EMERGENCY, CONTACT: 405-680-2444			
Item 11a: Refer to USDOT 1987 Emergency Response Guidebook-Guide No. 31									
Item 11b: Refer to USDOT 1987 Emergency Response Guidebook-Guide No. 27									
Item 11c: Refer to USDOT 1987 Emergency Response Guidebook-Guide No. 27									
Item 11d: Refer to USDOT 1987 Emergency Response Guidebook-Guide No. 27									
IF UNABLE TO DELIVER, RETURN TO GENERATOR									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name James H. Long II						Signature James H. Long II		Month Day Year 10/5/10/1986	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name JOHN W. RICHARDS						Signature John W. Richards		Month Day Year 10/5/10/1986	
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name Jesse Phillips						Signature Jesse Phillips		Month Day Year 10/5/10/1986	
19. Discrepancy Indication Space									
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in item 19									
Printed/Typed Name GINA BASSETT						Signature Gina Bassett		Month Day Year 10/5/10/1986	

WHITE - Generator GREEN - Generator YELLOW - Transporter BLUE - Transporter PINK - Transporter GOLD - Generator

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

For MSP Use Only

Approval Code _____

A. Generator Information

Generator Name GSX CHEMICAL SERVICES OF OHIO
Site Address 7415 BESSEMER AVE.
City CLEVELAND State OH Zip Code 44127
Generator Contact CATHY KANE
Title ASST. ROULING SUPERVISOR
Telephone No (216) 441-5628
Facility EPA ID No OHD980569438

B. Customer Information

Company Name SAME
Contact _____
Address _____
Telephone No () _____
For Customer Use _____

C. Regulatory Information

☒ RCRA Regulated ☒ Land Ban ☐ Non-Regulated EPA Waste Code(s) D001, F001, F002, F003, F004, F005, U165

D. Chemical Composition

TRADE NAMES - Totals must not exceed 20%. Total in maximum column must be greater than or equal to 100%.

	MIN	MAX
<u>WATER</u>	<u>85</u>	<u>100</u>
<u>METHYLENE CHLORIDE</u>	<u>0</u>	<u>10</u>
<u>TOLUENE</u>	<u>0</u>	<u>5</u>
<u>XYLENE</u>	<u>0</u>	<u>5</u>
<u>NAPHTHALENE</u>	<u>0</u>	<u>5</u>
<u>DIRT, DEBRIS</u>	<u>0</u>	<u>20</u>

Common Name of Waste: SPILL DECONTAMINATION WATER

E. General Characteristics

Color CLEAR TO BLACK
Odor: ☐ None ☒ Mild ☐ Strong
State: ☒ Liquid ☐ Sludge ☐ Solid ☐ Powder
Phase: ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:
Radioactive? Y ☒ N ☐ Polymerizable? Y ☒ N ☐
Infectious? Y ☒ N ☐ Pyrophoric? Y ☒ N ☐
Water Reactive? Y ☒ N ☐ Explosive? Y ☒ N ☐

G. Physical/Chemical Properties

Ash (Est actual Wt %) 20-35 Water (Wt %) <1 5-10 Specific Gravity <0.8 1.2-1.4 Viscosity cp Total Suspended Solids (Wt % for liquids only) <5 5-20 pH 2-6 6-10
BTUs per lb (Est actual value) 65,000 1-5 5-10 <0.8 1.0-1.2 >1.7 10-20 >12.5
Flash Point (closed cup) >200°F Sulfur (Wt %) <3 1-5 5-10 >10 Est actual Wt %
Halogens (Wt %) <1 1-5 5-10 >10 Est actual Wt %
☒ 100°F ☐ 200°F ☒ 100-140°F ☐ 140-200°F actual NONE
☒ Iodine ☒ Bromine ☒ Chlorine ☒ Fluorine actual Wt %

H. Heavy Metals (ppm)

Asbestos (As) 0 Selenium (Se) 0 If material contains the following compounds, indicate actual ppm:
Barium (Ba) 0 Silver (Ag) 0 PCBs 0
Cadmium (Cd) 0 Copper (Cu) 0 Cyanides 0
Chromium (Cr) 0 Nickel (Ni) 0 Sulfides 0
Lead (Pb) 0 Zinc (Zn) 0 Dusts 0
Mercury (Hg) 0 Organics (ppm) 0
Endrin 0
Dieldrin 0
Methoxychlor 0
Toxaphene 0
2,4-D 0
2,4,5-TP (Silent) 0

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Notes, Additional Information or Special Handling Instructions

Generating Process: DECONTAMINATION OF FLAMMABLE LIQUID/SOLID SPILL.

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments

J. Shipping Information

DOT Hazardous Material Proper Shipping Name ☒ N

HAZARDOUS WASTE LIQUID, n.o.s.

DOT LD. No.

(circle one)

UN/NA

9189

Hazard Class ORM-E

NO

Anticipated Volume 1-2 Drums ☐ Gal ☐ Yds ☐ lbs ☐ Bulk ☐ Roll

Container Size 85 Container Type OVERPACK

Per ☐ One time ☐ Week ☒ Month ☐ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed, I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Cather Kane

Generator's Signature

2. CATHERINE M. KANE

Name (Type or Print)

3. 4-24-90

Date

4. ASST. ROUTING SUPERVISOR

Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

For MSP Use Only

Approval Code

9002271

A. Generator Information

Generator Name GSX CHEMICAL SERVICES OF OHIO
Site Address 7415 BESSEMER AVE.
City CLEVELAND State OH Zip Code 44127
Generator Contact CATHY KANE
Title ASST. ROUTING SUPERVISOR
Telephone No (216) 441-5628
Facility EPA ID No OHD980569438

B. Customer Information

Company Name SAME
Contact _____
Address _____
Telephone No () _____
For Customer Use _____

C. Regulatory Information

☒ RCRA Regulated ☒ Land Ban ☐ Non-Regulated EPA Waste Code(s) D001, F001, F002, F003, F004, F005, U165

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%)

	MIN	MAX
<u>WATER</u>	<u>85</u>	<u>100</u>
<u>METHYLENE CHLORIDE</u>	<u>0</u>	<u>10</u>
<u>TOLUENE</u>	<u>0</u>	<u>5</u>
<u>XYLENE</u>	<u>0</u>	<u>5</u>
<u>NAPHTHALENE</u>	<u>0</u>	<u>5</u>
<u>DIRT, DEBRIS</u>	<u>0</u>	<u>20</u>

Common Name of Waste: SPILL DECONTAMINATION WATER

E. General Characteristics

Color: CLEAR TO BLACK
Odor: ☐ None ☒ Mild ☐ Strong
☒ Liquid ☐ Sludge ☐ Solid ☐ Powder
Phases ☒ Single Layer ☒ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:
Radioactive? Y ☒ N ☐ Polymerizable? Y ☐ N ☒
Infectious? Y ☐ N ☒ Pyrophoric? Y ☐ N ☒
Water Reactive? Y ☐ N ☒ Explosive? Y ☐ N ☒

G. Physical/Chemical Properties

Ash (list actual Wt %) 20-35 Water (Wt %) ☐ <1 ☐ 5-10 Specific Gravity ☐ <0.8 ☐ 1.2-1.4 Viscosity (for bulk liquids only) X 5-20 pH X 6-10
BTU's per lb 25,000 ☐ 1-5 ☐ >10 X 0.8-1.0 ☐ 1.4-1.7 list actual in centipoise X >20 ☐ 10-12.5
list actual value 25,000 list actual 85-100 list actual 0.90 cp list actual 5-20 list actual 6-10

Flash Point (closed cup)

☐ < 100°F ☐ > 200°F
☐ 100°-140°F ☒ NONE
☐ 140°-200°F actual

Sulfur (Wt %)

X < 5
If > 5 list actual value

Halogens (Wt %)

<1 1-5 5-10 if > 10 list actual Wt %
X Iodine ☐ ☐
X Bromine ☐ ☐
X Chlorine ☐ ☐
X Fluorine ☐ actual Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As) _____
Barium (Ba) _____
Cadmium (Cd) _____
Chromium (Cr) _____
Lead (Pb) _____
Mercury (Hg) _____

Selenium (Se) _____
Silver (Ag) _____
Copper (Cu) _____
Nickel (Ni) _____
Zinc (Zn) _____

Organics (ppm)

Endrin _____
Dieldrin _____
Methoxychlor _____
Toxaphene _____
2,4 D _____
2,4,5 TP (Silvex) _____

If material contains the following compounds, indicate actual ppm:

PCB _____
Cyanides _____
Sulfides _____
Dioxin _____

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC. APR 24 1990
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310 9002270

For MSP Use Only

Approval Code _____

A. Generator Information

Generator Name DELAWARE CONTAINER CO., INC.
Site Address W. 110 AVE E VALLEY RD
City CHATEAUVILLE State PA Zip Code 19320
Generator Contact DANIEL J. HALPINACK
Title Approval Spt.
Telephone No. (415) 383-6600
Facility EPA ID. No. PA0064375470

B. Customer Information

Company Name SIMO
Contact _____
Address _____
Telephone No. () _____
For Customer Use _____

C. Regulatory Information

☒ RCRA Regulated ☒ Land Ban ☐ Non-Regulated EPA Waste Code(s) U031

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%)

	MIN	MAX
<u>N-BUTYL Alcohol</u>		<u>30%</u>
<u>SPILL DRY (GRANULAR ABSORBENT)</u>		<u>70%</u>

Common Name of Waste: BUTYL Alcohol Spill Clean-Up

E. General Characteristics

Color: Brown
Odor: ☐ None ☒ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:
Radioactive? Y ☒ N ☐ Polymerizable? Y ☐ N ☒
Infectious? Y ☐ N ☒ Pyrophoric? Y ☐ N ☒
Water Reactive? Y ☐ N ☒ Explosive? Y ☐ N ☒

G. Physical/Chemical Properties

Ash (list actual Wt %) <u>50</u>	Water (Wt %) ☒ <1 ☐ 5-10 ☐ 1-5 ☐ >10	Specific Gravity ☐ <0.8 ☐ 1.2-1.4 ☒ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ >1.7	Viscosity (for bulk liquids only) list actual in centipoise _____ cp	Total Suspended Solids (Wt % for bulk liquids only) ☐ 5-20 ☐ >20	pH ☐ 2-6 ☐ 6-10 ☐ 10-12.5 if <2 or >12.5 list actual <u>SOLID-NEUTRAL</u>
-------------------------------------	---	--	---	--	--

Flash Point (closed cup) ☐ <100°F ☐ >200°F ☒ 100°-140°F ☐ _____°F ☐ 140°-200°F actual	Sulfur (Wt %) ☒ <5 if >5 list actual value _____	Halogens (Wt %) ☐ Iodine ☐ _____ ☐ Bromine ☐ _____ ☐ Chlorine ☒ _____ ☐ Fluorine <u><0.5%</u> actual Wt %	if >10 list actual Wt % _____
--	--	--	----------------------------------

Metals: EP Toxicity Test (MG/L)

Arsenic (As) <5.0
Barium (Ba) <100
Cadmium (Cd) <1.0
Chromium (Cr) <5.0
Lead (Pb) <5.0
Mercury (Hg) <0.2

Selenium (Se) <1.0
Silver (Ag) <5.0
Copper (Cu) <1.0
Nickel (Ni) <1.0
Zinc (Zn) <1.0

Organics (ppm)

Endrin NONE
Lindane _____
Methoxychlor _____
Toxaphene _____
2,4-D _____
2,4,5 TP (Silvex) _____

If material contains the following
compounds, indicate actual ppm:
PCB NONE
Cyanides _____
Sulfides _____
Dioxin _____

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UNION CARBIDE CORPORATION
Solvents & Coatings Materials Division
MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 07/01/88

Union Carbide urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in this MSDS.

To promote safe handling, each customer or recipient should: (1) notify its employees, agents, contractors and others whom it knows or believes will use this material of the information in this MSDS and any other information regarding hazards or safety; (2) furnish this same information to each of its customers for the product; and (3) request its customers to notify their employees, customers, and other users of the product of this information.

I. IDENTIFICATION

PRODUCT NAME: n-BUTANOL

CHEMICAL NAME: Butyl Alcohol

CHEMICAL FAMILY: Alcohols

FORMULA: C_4H_9OH

MOLECULAR WEIGHT: 74.12

SYNONYMS: Propylcarbinol; 1-Butanol; n-Butyl Alcohol

CAS # and 71-36-3

CAS NAME: 1-Butanol

II. PHYSICAL DATA

BOILING POINT, 760 mm Hg: 117.7°C (240°F)

FREEZING POINT: -89.3°C (-129.7°F)

SPECIFIC GRAVITY ($H_2O = 1$):
0.8103 @ 20/20°C

VAPOR PRESSURE AT 20°C:
4.2 mmHg

VAPOR DENSITY (air = 1): 2.55

SOLUBILITY IN WATER by wt: 7.45 @ 25°C

EVAPORATION RATE
(Butyl Acetate = 1): 0.44

APPEARANCE AND ODOR: Clear, colorless liquid; characteristic, nonresidual odor

PERCENT VOLATILES (BY VOLUME): 100

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EMERGENCY PHONE NUMBER: 1-800-UCC-HELP (Number available at all times)

UNION CARBIDE CORPORATION
Solvents & Coatings Materials Division
39 Old Ridgebury Road, Danbury, CT, 06817-0001

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PRODUCT NAME: n-BUTANOL

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III. INGREDIENTS

MATERIAL	%	EXPOSURE LIMITS	HAZARD
1-Butanol (CAS # 71-36-3)	100	50ppm on skin TLV-TWA ACGIH 100 ppm PEL-TWA OSHA	Toxic, irritant eye corrosive, flammable

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 95F (35C) Tag Closed Cup ASTM D56; 97F (36C) Tag Open Cup ASTM D1310

FLAMMABLE LIMITS IN AIR,
% by volume: LOWER: 1.4
UPPER: 11.2

EXTINGUISHING MEDIA: Apply alcohol-type or all-purpose-type foams by manufacturers' recommended techniques for large fires. Use CO₂ or dry chemical media for small fires.

SPECIAL FIRE FIGHTING
PROCEDURES: Use water spray to cool fire exposed containers and structures. Use self-contained breathing apparatus, and protective clothing.

UNUSUAL FIRE AND
EXPLOSION HAZARDS: Vapors form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from product handling point. This product may produce a floating fire hazard.

V. HEALTH HAZARD DATA

TLV AND SOURCE: Values from OSHA 29 CFR 1910.1000 Table Z-1 and ACGIH 1986-89

EFFECTS OF ACUTE OVEREXPOSURE:

SWALLOWING: Moderately toxic. May cause nausea, vomiting, diarrhea, headache, dizziness, and narcosis.

SKIN ABSORPTION: Prolonged or widespread contact with the skin may result in the absorption of potentially harmful amounts of material.

INHALATION: Vapors are irritating to the eyes and respiratory tract. High concentrations may cause headache, dizziness, drowsiness, narcosis, and unconsciousness.

SKIN CONTACT: Brief contact may cause slight irritation. Prolonged covered contact, as from clothing wet with the material, may cause severe irritation with swelling and chemical burns.

EYE CONTACT: Causes severe irritation, seen as marked excess redness and swelling of the conjunctiva. Chemical burns of the cornea may occur if the eyes are not flushed immediately.

EFFECTS OF REPEATED OVEREXPOSURE:

Drying and cracking of the skin may result from prolonged exposure to butanol because of its defatting action. There is evidence that long-term repeated exposure to vapor concentrations greater than 50 ppm may result in some loss of hearing.

OTHER HEALTH HAZARDS:

Butanol vapors can cause irritation to the eyes and the liquid is

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PRODUCT NAME: n-BUTANOL

especially toxic if aspirated

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

Because of its irritating and irritating properties, this material may aggravate an existing dermatitis. Breathing of vapor and/or mist may aggravate asthma and inflammatory or fibrotic pulmonary disease.

EMERGENCY AND FIRST AID PROCEDURES:

SWALLOWING: Give two glasses of water. Do not induce vomiting. Call a physician.

SKIN: Remove contaminated clothing and flush skin thoroughly with water. Wash clothing before reuse.

INHALATION: Remove to fresh air. Give artificial respiration if not breathing. Qualified personnel may give oxygen if breathing is difficult. Call a physician.

EYES: Immediately flush eyes thoroughly with water and continue washing for at least 15 minutes. Obtain medical attention, preferably from an ophthalmologist, urgently.

NOTES TO PHYSICIAN:

Butanol is especially toxic if aspirated. The vapors appear to cause a special vacuolar keratopathy in humans. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

VI. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None

INCOMPATIBILITY (materials to avoid):
Strong mineral acids.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:
Burning can produce carbon monoxide and/or carbon dioxide.

HAZARDOUS POLYMERIZATION: Will Not Occur

CONDITIONS TO AVOID: None

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Extinguish and do not turn on any ignition source until area is determined to be free from explosion or fire hazards. Wear suitable protective equipment. Collect large spills for disposal. Flush small spills with water.

WASTE DISPOSAL METHOD: Incinerate in a furnace where permitted under appropriate Federal, State and local regulations. Also, see Section IX.

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PRODUCT NAME: n-BUTANOL

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Self-contained breathing apparatus in high vapor concentrations.

VENTILATION:

This product should be confined within closed equipment, in which case general (mechanical) room ventilation should be satisfactory. Special, local ventilation may be needed at points where vapors are expected to escape to the workplace air.

PROTECTIVE GLOVES:

Butyl rubber

EYE PROTECTION:

Face shield or monogoggles

OTHER PROTECTIVE EQUIPMENT:

Chemical apron, eye bath and safety shower.

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

DANGER: Causes eye burns.
Flammable.
Harmful if inhaled.
Causes skin irritation.
Aspiration may be fatal.
May cause dizziness and drowsiness.

Do not get in eyes.
Keep away from heat, sparks, and flame.
Avoid breathing vapor.
Avoid contact with skin and clothing.
Keep container closed.
Use with adequate ventilation.
Wash thoroughly after handling.

FOR INDUSTRY USE ONLY

OTHER PRECAUTIONS:

At very low concentrations in water (/10 ppm), butanol is readily biodegradable in a wastewater treatment plant.

X. REGULATORY INFORMATION

TRANSPORTATION

D.O.T. HAZARD CLASSIFICATION:

Flammable Liquid

D.O.T. PROPER SHIPPING NAME:

Butyl Alcohol

FOR AIR SHIPMENT: Contact your Regulations Analyst.

STATUS ON SUBSTANCE LISTS:

The concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulations. Trade Secrets are indicated by "TS".

FEDERAL EPA

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4.

Components present in this product at a level which could require reporting under the statute are:

CHEMICAL
n-Butanol

CAS NUMBER
71-36-3

UPPER BOUND

100

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PRODUCT NAME: n-BUTANOL

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Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III

requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312).

Components present in this product at a level which could require reporting under the statute are:

None

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III

requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

CHEMICAL
1-Butanol

CAS NUMBER
71-36-3

UPPER BOUND
CONCENTRATION %
100

STATE RIGHT-TO-KNOW

CALIFORNIA Proposition 65

None

MASSACHUSETTS Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinary Hazardous Substances on the MSL must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:

HAZARDOUS SUBSTANCES ($\geq 1\%$)

CHEMICAL
1-Butanol

CAS NUMBER
71-36-3

UPPER BOUND
CONCENTRATION %
100

PENNSYLVANIA Right-To-Know, Hazardous Substance List Hazardous Substances and Special Hazardous Substances on the List must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:

HAZARDOUS SUBSTANCES ($\geq 1\%$)

CHEMICAL
1-Butanol

CAS NUMBER
71-36-3

UPPER BOUND
CONCENTRATION %
100

Toxic Substances Control Act (TSCA) STATUS:

The ingredients of this product are on the TSCA inventory.

CALIFORNIA SCAQMD RULE 443.1 VOC'S:

VOC 809 g/L; Vapor pressure 4 mmHg @ 20C

OTHER REGULATORY INFORMATION:

None

NOTE -----

The opinions expressed herein are those of qualified experts within Union Carbide Corporation. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of Union Carbide Corporation, it is the user's obligation to determine the conditions of safe use of the product.

Date: 02/15/89

Revision Date: 02/15/89

Printed in USA

PC: 15355

F: 15355

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APR 24 1990

DATE

4/24/90

DATA SHEET REJECTION REQUEST

1. MCDS NUMBER 9002270 LEAD # 003473
2. CUSTOMER DELAWARE CONTAINER CO.
3. GENERATOR Same
4. REASON FOR REJECTION Duplication of
D/S 9002204
5. TECH REP WJR

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

For MSP Use Only

Approval Code _____

9002269

APR 24 1990

HES 557-A

A. Generator Information

Generator Name HELENA CHEMICAL CO.
Site Address 1107 N. I.P. BLVD.
City CASA GRANDE State AZ Zip Code 85322
Generator Contact CRAIG ROSS
Title WAREHOUSE MANAGER
Telephone No. (602) 836-7369
Facility EPA ID. No. CESQG

B. Customer Information

Company Name HAZCHEM ENV. SERVICES
Contact JAMES GLASSTON
Address 542 E. 27TH ST.
TUCSON, AZ 85713
Telephone No. (602) 622-0100
For Customer Use HES-557A

C. Regulatory Information

☒ RCRA Regulated☐ Land Ban☐ Non RegulatedEPA Waste Code(s) P044, U057, U239

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
<u>DIMETHCATE</u>	<u>0%</u>	<u>2%</u>
<u>CYCLOHEXANONE</u>	<u>0%</u>	<u>1%</u>
<u>XYLENE AND ALIPHATIC ALCOHOLS</u>	<u>0%</u>	<u>1%</u>
<u>EMULSIFIERS AND INERTS</u>	<u>0%</u>	<u>1%</u>
<u>SOIL</u>	<u>90%</u>	<u>100%</u>

Common Name of Waste: DIMETHCATE 4 EC

E. General Characteristics

Color: TAN
Odor: ☐ None ☐ Mild ☒ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:
Radioactive? Y ☐ N ☒ Polymerizable? Y ☐ N ☒
Infectious? Y ☐ N ☒ Pyrophoric? Y ☐ N ☒
Water Reactive? Y ☐ N ☒ Explosive? Y ☐ N ☒

G. Physical/Chemical Properties

Ash (list actual Wt %)	Water (Wt %)	Specific Gravity	Viscosity	Total Suspended Solids	pH
<u>90-100%</u>	☒ <1 ☐ 5-10	☐ <0.8 ☐ 1.2-1.4	(for bulk liquids only)	(Wt % for bulk liquids only)	☐ 2-6 ☒ 6-10
BTU's per lb	☐ 1-5 ☐ >10	☐ 0.8-1.0 ☐ 1.4-1.7	list actual in centipoise	☐ 5-20	☐ 10-12.5
(list actual value)		☐ 1.0-1.2 ☒ >1.7		if > 20	if < 2 or > 12.5
<u>0-1000</u>	list actual _____	list actual _____	_____ cp	list actual _____	list actual _____

Flash Point (closed cup)

☐ < 100°F ☒ > 200°F
☐ 100°-140°F ☐ _____ °F
☐ 140°-200°F actual _____

Sulfur (Wt %)

☒ < 5
If > 5 list actual value _____

Halogens (Wt %)

	<1	1-5	5-10	if > 10 list actual Wt %
1) Iodine	☐	☐	☐	<u>N/S</u>
1) Bromine	☐	☐	☐	<u>NONE</u>
1) Chlorine	☐	☐	☐	<u>SUSPECTED</u>
1) Fluorine	☐	☐	☐	

Metals: EP Toxicity (ppm)

Arsenic (As) N/S
Barium (Ba) N/S
Cadmium (Cd) N/S
Chromium (Cr) N/S
Lead (Pb) N/S
Mercury (Hg) N/S

Selenium (Se) N/S
Silver (Ag) N/S
Copper (Cu) N/S
Nickel (Ni) N/S
Zinc (Zn) N/S

Organics (ppm)

Endrin N/S
Lindane N/S
Methoxychlor N/S
Toxaphene N/S
2,4-D N/S
2,4,5-T (Silvex) N/S

If material contains the following compounds, indicate actual ppm:

PCB N/S
Cyanides N/S
Sulfides N/S
Dioxin N/S

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STABILITY		CONDITIONS TO AVOID	Temperatures greater than 150°F.
UNSTABLE	STABLE		
INCOMPATIBILITY (materials to avoid)		Oxidizing agents, alkaline materials	
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS		Oxides of carbon, nitrogen, phosphorous and sulphur.	
HAZARDOUS POLYMERIZATION		CONDITIONS TO AVOID	Temperatures greater than 150°F.
May Occur	Will not Occur		
	X		

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	Rope off contaminated area. Cover the spill with lime, clay, or sawdust. Wash hard surfaces with caustic or soda-ash until odor is not distinguishable. Wood cannot be decontaminated.
WASTE DISPOSAL METHOD	This material must be disposed of according to Federal, State, or Local procedures under the Resource Conservation and Recovery Act.

RESPIRATORY PROTECTION (specify type)				Respirator equipped with organic vapor cartridges capable of removing carbamate pesticides.	
VENTILATION		Mechanical (general) Spark Proof			
PROTECTIVE GLOVES		Impervious	EYE PROTECTION	Chemical Workers Goggles	
OTHER PROTECTIVE EQUIPMENT		Eye wash station, shower, impervious footwear and apron			

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep out of reach of children. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams, or ponds.
FOR INDUSTRY USE ONLY

OTHER PRECAUTIONS
Do not store with material labeled "Oxidizers"

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MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: SEPTEMBER 10, 1987

SETRÉ CHEMICAL COMPANY

PRODUCT NAME	<u>DIMETHOATE 4 EC</u>	
CHEMICAL NAME	<u>Dimethoate</u>	CHEMICAL FAMILY: <u>Carbamate Insecticide</u>
FORMULA	<u>C₅H₁₁NO₃S₂</u>	
SYNONYMS	<u>Dimethoate Emulsifiable Concentrate</u>	
CAS NUMBER	<u>60-51-5</u>	
EPA REGISTRATION NUMBER	<u>25167-7</u>	

BOILING POINT, 760 mm. Hg	<u>NA</u>	FREEZING POINT	<u>Less than 35°F.</u>
SPECIFIC GRAVITY (H ₂ O = 1)	<u>1.065</u>	VAPOR PRESSURE AT 20° C.	<u>Not Determine</u>
VAPOR DENSITY (air = 1)	<u>NA</u>	SOLUBILITY IN WATER, % by wt.	<u>0%</u>
PER CENT VOLATILES (Vol)	<u>53.2%</u>	EVAPORATION RATE (Butyl Acetate = 1)	<u>NA</u>
MELTING POINT	<u>35°F.</u>		
APPEARANCE AND ODOR	<u>Clear to yellow liquid, unpleasant odor</u>		

MATERIAL	%	TLV (Units)	HAZARD
Dimethoate	47.20	0.7 mg/m ³	Moderately Toxic
Cyclohexanone	25.00	25 ppm (skin)	Skin Irritant
Proprietary Solvent Blend of Xylene & Aliphatic Alcohols	23.80	100 ppm (skin)	Skin Irritant
Emulsifiers and Inerts	4.00	NA	NA

FLASH POINT (test method(s))	<u>75°F. (TCC)</u>	AUTOIGNITION TEMPERATURE	<u>NA</u>
FLAMMABLE LIMITS IN AIR, % by volume	<u>Lower - 1, Upper - 7</u>		
EXTINGUISHING MEDIA	<u>Water spray, Dry chemical, Alcohol foam, and CO₂</u>		
SPECIAL FIRE FIGHTING PROCEDURES	<u>Wear a self-contained breathing apparatus. Drums of this material may rupture violently under fire conditions. Prevent the run-off of fire fighting materials into bodies of water</u>		
UNUSUAL FIRE AND EXPLOSION HAZARDS	<u>Temperatures greater than 150°F. may cause an explosion.</u>		

19011761-0050 or CHEMTREC 800-424-5300	
While Setre Chemical believes that the data contained herein is factual, this data is not to be taken as a warranty or representation for which Setre Chemical assumes legal responsibility. It is offered solely for your consideration, investigation, and verification.	
SETRÉ CHEMICAL COMPANY	8100 POPLAR, SUITE 3200 MEMPHIS, TN 38137

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CARCINOGENICITY INFORMATION	
None currently known	
THE EFFECTS OF OVEREXPOSURE	
SWALLOWING	Toxic, Oral LD ₅₀ (rat) = 152 mg/kg
SKIN ABSORPTION	Toxic, Skin LD ₅₀ (rat) = 353 mg/kg
INHALATION	Vapors harmful, inhalation data not available
SKIN CONTACT	Skin Irritant
EYE CONTACT	Eye Irritant
CHRONIC EFFECTS OF OVEREXPOSURE	None currently known
OTHER HEALTH HAZARDS	None currently known
EMERGENCY AND FIRST AID PROCEDURES:	
SWALLOWING	Do not induce vomiting, obtain medical attention immediately.
SKIN	Wash with soap and water, discard contaminated clothing, contact a physician if symptoms of poisoning are noted.
INHALATION	Remove victim to fresh air, obtain medical attention immediately if symptoms of over-exposure are noted.
5	Flush eyes with water for 15 minutes, obtain medical attention if symptoms of over-exposure are noted, and irritation persists.

NOTES TO PHYSICIAN

Antidote - Administer atropine sulphate in large doses, 2 to 4 mg. intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is a pharmacological antidote and may be administered as an adjunct to, but not a substitute for atropine, which is a symptomatic and often life-saving antidote. DO NOT GIVE MORPHINE OR TRANQUILIZERS. This product is a strong cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At the first sign of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and fatal relapses have been reported after initial improvement; VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

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SHIPMENT INFORMATION	
O.T. DATA	
PROPER SHIPPING NAME (Including Description)	"RQ Flammable Liquid, N.O.S., (Dimerthoate), Flammable Liquid, UN1993
HAZARD CLASS	Flammable Liquid
IDENTIFICATION NUMBER	UN1993
CHEMICAL NAME	EQUIVALENT NO
Dimerthoate	10 LB. (4.54)
FREIGHT CLASSIFICATION	Insecticide, Agricultural, NOIBN, Liquid
LABELS REQUIRED	Flammable Liquid
PLACARDING	UN1993

GENERAL PRODUCT INFORMATION

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APR 25 1990

DATE 4/24/90

DATA SHEET REJECTION REQUEST

1. MCDS NUMBER 900 2267 LEAD # 095351
2. CUSTOMER HAZCIRM ENV SVCS.
3. GENERATOR HELENX CHEMICAL CO.
4. REASON FOR REJECTION WILL REPROFILE AT
A LATER DATE
5. TECH REP ERQ

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HELENA CHEMICAL COMPANY

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: September 15, 1987

PRODUCT NAME: Formulated Mixture		CHEMICAL FAMILY: Organophosphate
FORMULA: C₁₀H₁₀O₅PS		
SYNONYMS: Methyl		
CAS NUMBER: 298-00-0		
EPA REGISTRATION NUMBER: S905-414		

BOILING POINT, 760 mm. Hg	290° to 300°F.	FREEZING POINT	Less than 35°F.
SPECIFIC GRAVITY (H ₂ O = 1)	1.220 gms/cc	VAPOR PRESSURE AT 20° C.	10 mm Hg
VAPOR DENSITY (air = 1)	3.7	SOLUBILITY IN WATER, % by wt.	.005%
PER CENT VOLATILES (Vol.)	30%	EVAPORATION RATE (Butyl Acetate = 1)	NA
MELTING POINT	NA		
APPEARANCE AND ODOR	Amber Liquid, with garlic like odor		

MATERIAL	%	TLV (Units)	HAZARD
Methyl Parathion	92.0	0.2 mg/m ³	Highly Toxic
Xylene Range Hydrocarbons	3.0	100 ppm (skin)	Skin Irritant
Inert Ingredients	5.0	NA	NA

FLASH POINT (test method(s))	108°F. (TCC)	AUTOIGNITION TEMPERATURE	NA
FLAMMABLE LIMITS IN AIR, % by volume	NA		
EXTINGUISHING MEDIA	Water spray, Foam, Dry chemical, or CO ₂ .		
SPECIAL FIRE FIGHTING PROCEDURES	Wear positive pressure self-contained breathing apparatus and special protective clothing. Stay upwind and keep maximum distance from fire. Isolate area and deny entry.		
UNUSUAL FIRE AND EXPLOSION HAZARDS	Thermally unstable above 150°F. Temperatures greater than 150°F. may cause explosion. Fire may produce irritating and poisonous gases.		

(901) 781-0050 or CHEMTREC 800-424-6300

While Helena Chemical believes that the data contained herein is factual, this data is not to be taken as a warranty or representation for which Helena Chemical assumes legal responsibility. It is offered solely for your consideration, investigation, and verification.

HELENA CHEMICAL COMPANY

COPLAR, SUITE 3200 MEMPHIS, TN 38137

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GENICITY INFORMATION		None currently known
ACUTE EFFECTS OF OVEREXPOSURE:		Salivation, diarrhea, tightness of chest, sweating, small pupils, headache, may cause intoxication and death.
ALLOWING		Highly Toxic, Oral LD ₅₀ (rat) = 6 mg/kg
IN ABSORPTION		Highly Toxic, Skin LD ₅₀ (rat) = 53 mg/kg
HALATION		Highly Toxic, Inhalation LC ₅₀ (rat) = 120 mg/kg/4H
IN CONTACT		Moderate skin irritant
CONTACT		Moderate eye irritant
CHRONIC EFFECTS OF OVEREXPOSURE		Cholinesterase inhibition, over-exposure could produce acute effects.
OTHER HEALTH HAZARDS		None currently known
EMERGENCY AND FIRST AID PROCEDURES:		Drink 1 to 2 glasses of water and induce vomiting, if conscious. Obtain medical attention immediately.
ALLOWING		if conscious. Obtain medical attention immediately.
KIN		Remove contaminated clothing and wash skin thoroughly with soap and water. Obtain medical attention immediately.
ATION		If breathing has stopped, Start artificial respiration and maintain until medical attention has been obtained.
YES		Flush eyes with water for 15 minutes, obtain medical attention if irritation persists.

NOTES TO PHYSICIAN

Antidote - Administer atropine sulfate in large doses, 2 to 4 mg. intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is a pharmacologic antidote and may be administered as an adjunct to, but not a substitute for, atropine which is a symptomatic and often life-saving antidote. DO NOT GIVE MORPHINE OR TRANQUILIZERS. This product is a strong cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At the first sign of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and fatal relapses have been reported after initial improvement; VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

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STABILITY		CONDITIONS TO AVOID	Contact with strong "Oxidizers"
UNSTABLE	STABLE		
	X		
INCOMPATIBILITY (materials to avoid)		Decomposition with alkaline materials	
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS		Nitrogen oxides, Hydrogen sulphide, and carbon monoxide	
HAZARDOUS POLYMERIZATION		CONDITIONS TO AVOID	None noted
May Occur	Will not Occur		
	X		

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED		WASTE DISPOSAL METHOD
Rope off contaminated area. Cover spill with soda-ash, lime, clay, or sawdust. Wash floors with caustic or soda-ash until yellow stains cease. Wood floors cannot be decontaminated.		This material must be disposed of according to Federal, State, or Local procedures under the Resource Conservation and Recovery Act.

SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (specify type)	Respirator equipped with organic vapor cartridges capable of removing organophosphate pesticides.		
VENTILATION	Mechanical (general) Spark Proof		
PROTECTIVE GLOVES	Impervious	EYE PROTECTION	Chemical Workers Goggles
OTHER PROTECTIVE EQUIPMENT	Eye wash station, emergency shower, impervious footwear and apron		

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Keep out of reach of children. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams, or ponds.	
FOR INDUSTRY USE ONLY	

OTHER PRECAUTIONS
Do not store with material labeled "Oxidizers"

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DATE 4/24/90

DATA SHEET REJECTION REQUEST

1. MCDS NUMBER 9002268 LEAD # 095351
2. CUSTOMER HAZCHEM ENV SVCS
3. GENERATOR HELENA CHEMICAL CO.
4. REASON FOR REJECTION WILL REPROFILE AT
A LATER DATE
5. TECH REP ERG

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DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE/REUSE
MANIFEST 013565

Form Approved OMB No. 2050-0039 Expires 6-30-91

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

1. UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. <u>LA2P00010061311412001</u>		Manifest Document No. <u>013565</u>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law									
3. Generator's Name and Mailing Address <u>DRUG ENFORCEMENT ADMINISTRATION</u> <u>3810 N. 2ND ST. SUITE #301</u> <u>PHOENIX AZ 85012</u>						A. State Manifest Document Number											
4. Generator's Phone <u>(602) 640-5700</u>						B. State Generator's ID											
5. Transporter 1 Company Name <u>Disposal/Control Service</u>						C. State Transporter's ID											
6. US EPA ID Number <u>LA2P00010061311412001</u>						D. Transporter's Phone <u>602-268-0999</u>											
7. Transporter 2 Company Name						E. State Transporter's ID											
8. US EPA ID Number						F. Transporter's Phone											
9. Designated Facility Name and Site Address <u>MARINE SHALE PROCESSORS, INC.</u> <u>HIGHWAY 90 EAST</u> <u>MORGAN CITY, LOUISIANA 70380</u>						G. State Facility's ID											
10. US EPA ID Number <u>LA0981057706</u>						H. Facility's Phone <u>(504) 631-3161</u>											
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.					
a. <u>RG HAZARDOUS WASTE SOLID NOS</u>						0101 DE		100030P				NON-Regulated					
b. <u>CRATE HA 989 (NON-REGULATED)</u>																	
c. <u>RG HAZARDOUS WASTE SOLID NOS</u>						0101 DE		100030P				NON-Regulated					
d. <u>CRATE HA 989 (NON-REGULATED)</u>																	
e. <u>WASTE CORROSIVE SOLID NOS.</u>						0099 DE		100030P				(D002)R					
f. <u>CORROSIVE MATERIAL UN1759 (D002)</u>																	
g. <u>WASTE CORROSIVE SOLID NOS.</u>						0101 DE		100030P				(D002)R					
h. <u>CORROSIVE MATERIAL UN1759 (D002)</u>																	
i. <u>WASTE CORROSIVE SOLID NOS.</u>						0101 DE		100030P				(D002)R					
j. <u>WASTE CORROSIVE SOLID NOS.</u>						0101 DE		100030P				(D002)R					
K. Handling Codes for Wastes Listed Above																	
15. Special Handling Instructions and Additional Information																	
IF UNABLE TO DELIVER, RETURN TO GENERATOR																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name <u>KEVIN CARTER on behalf of DEA</u>						Signature <u>Kevin Carter on behalf of DEA</u>				Month Day Year <u>12/1/91</u>							
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name <u>PAUL W. EBERSOLE</u>				Signature <u>Paul W Ebersole</u>				Month Day Year <u>12/5/1991</u>			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name <u>James L. Lumbert</u>				Signature <u>James Lumbert</u>				Month Day Year <u>12/1/91</u>			
19. Discrepancy Indication Space																	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.																	
Printed/Typed Name <u>Donnie LaGrange</u>						Signature <u>Donnie LaGrange</u>				Month Day Year <u>12/1/91</u>							

1PA Form 8700-2 (Rev. 9/88) WHITE - Generator, GREEN - Generator, YELLOW - TSDRF, BLUE - Transporter, (N/A) - Transporter 1, GOLD - Generator INFORMATION 11/8/91

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

APR 10 1991

For MSP Use Only

Approval Code

9001943

Drum # 8
AVONONLE U-HAUL

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is less clear than this
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being filmed

A. Generator Information

Generator Name DRUG ENFORCEMENT ADMIN
Site Address 3010 N 2ND STREET, SUITE 301
City PHOENIX State AZ Zip Code 85012
Generator Contact MR. KEVIN CARVER
Title AGENT
Telephone No. (602) 640-5700
Facility EPA ID No. AZP000006314

B. Customer Information

Company Name DISPOSAL CONTROL SERVICE
Contact CYNTHIA CLOWES
Address 888 W ILLINOI
PHOENIX AZ 85041
Telephone No. (602) 268-0999
For Customer Use

C. Regulatory Information

☒ RCRA Regulated☐ Land Ban☐ Non-Regulated

EPA Waste Code(s)

D002

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%)

DEBRIS TO INCLUDE:

BROKEN GLASS FROM REACTION FLASKS, QUART
JARS, EMPTY WATER JUGS
RED PHOSPHORUS
HYDRIODIC ACID

MIN	MAX
<u>99</u>	<u>100</u>
<u>0</u>	<u><1</u>
<u>0</u>	<u><1</u>

Common Name of Waste:

E. General Characteristics

Color: VARIES
Odor: ☒ None ☐ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases: ☐ Single Layer ☐ Double Layer ☒ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive? Y ☒ N ☐ Polymerizable? Y ☒ N ☐
Infectious? Y ☒ N ☐ Pyrophoric? Y ☒ N ☐
Water Reactive? Y ☒ N ☐ Explosive? Y ☒ N ☐

G. Physical/Chemical Properties

Ash (list actual Wt %) <20 Water (Wt %) ☐ <1 ☐ 5-10
BTU's per lb <5000 ☐ 1-5 ☐ if > 10
(list actual value) list actual Specific Gravity ☐ <0.8 ☐ 1.2-1.4
☐ 0.8-1.0 ☐ 1.4-1.7
☐ 1.0-1.2 ☐ > 1.7
list actual Viscosity (for bulk liquids only) ☐ 5-20 ☐ if > 20
list actual cp list actual pH ☒ 2-6 ☐ 6-10
☐ 10-12.5
list actual if < 2 or > 12.5

Flash Point (closed cup)

☐ < 100°F ☒ > 200°F
☐ 100°-140°F ☐ actual °F
☐ 140°-200°F

Sulfur (Wt %)

☐ < 5
If > 5 list actual value

Halogens (Wt %)

☐ Iodine ☐ 1-5 ☐ 5-10 ☐ if > 10 list actual Wt %
☐ Bromine ☐
☐ Chlorine ☐
☐ Fluorine ☐ actual Wt %

Metals: EP Toxicity Test (PPM/L)

Arsenic (As) 0
Barium (Ba) 0
Cadmium (Cd) 0
Chromium (Cr) 0
Lead (Pb) 0
Mercury (Hg) 0

Selenium (Se) 0
Silver (Ag) 0
Copper (Cu) 0
Nickel (Ni) 0
Zinc (Zn) 0

Organics (ppm)

Endrin 0
Lindane 0
Methoxychlor 0
Toxaphene 0
2,4-D 0
2,4,5-Tri (Silvex) 0

If material contains the following
compounds, indicate actual ppm:

PCB 0
Cyanides 0
Sulfides 0
Dioxin 0

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

APR 10 1990
For MSP Use Only

9001944

Approval Code _____

A. Generator Information

Generator Name DRUG ENFORCEMENT ADMIN.
Site Address 3010 N 2ND STREET, SUITE 301
City PHOENIX State AZ Zip Code 85012
Generator Contact MR. KEVIN CARVER
Title AGENT
Telephone No. (602) 640-5700
Facility EPA ID No. AZP000006314

B. Customer Information

Company Name DISPOSAL CONTROL SERVICE, INC.
Contact CYNTHIA CLAWES
Address 888 W ILLINI
PHOENIX AZ 85041
Telephone No. (602) 268-0999
For Customer Use _____

C. Regulatory Information

☒ RCRA Regulated

☐ Land Ban

☐ Non-Regulated

EPA Waste Code(s) D002

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

DEBRIS TO INCLUDE: CUTUP 5500gal pails plastic
tubs and drums, plastic and rubber tubing,
clothes, heating mantles, lab screens and
seals, fiberglass boards, plastic fan, paper
towels and sheet plastic from cleanup.
Sodium Hydroxide

MIN 99 - MAX 100

0 - 1

Common Name of Waste: DEBRIS FROM DRUG LAB

E. General Characteristics

Color: VARIES
Odor: ☒ None ☐ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases: ☐ Single Layer ☐ Double Layer ☒ Multi-Layer

F. Specific Characteristics

Is the waste:
Radioactive? Y ☒ N ☐ Polymerizable? Y ☐ N ☒
Infectious? Y ☒ N ☐ Pyrophoric? Y ☐ N ☒
Water Reactive? Y ☒ N ☐ Explosive? Y ☐ N ☒

G. Physical/Chemical Properties

Ash (list actual Wt %) <20% Water (Wt %) ☐ <1 ☐ 3-10
BTUs per lb (list actual value) <5000 ☐ 1-5 ☐ >10
Specific Gravity ☐ <0.8 ☐ 1.2-1.4
☐ 0.8-1.0 ☐ 1.4-1.7
☐ 1.0-1.2 ☐ >1.7
Viscosity (for bulk liquids only) list actual in centipoise _____ cp
Total Suspended Solids (Wt % for bulk liquids only) ☐ 5-20 ☐ >20
pH ☐ 2-6 ☐ 6-10
☒ 10-12.5
☐ <2 or >12.5

Flash Point (closed cup)

☐ <100°F ☒ >200°F
☐ 100°-140°F ☐ _____ °F
☐ 140°-200°F actual _____

Sulfur (Wt %)

☐ <5
If >5 list actual value _____

Halogens (Wt %)

<1 1-5 5-10 if >10 list actual Wt %
☐ Iodine ☐ ☒ NONE
☐ Bromine ☐ ☐
☐ Chlorine ☐ ☐
☐ Fluorine actual Wt % _____

Metals: EP Toxicity Test (MG/L)

Arsenic (As) 0
Barium (Ba) 0
Cadmium (Cd) 0
Chromium (Cr) 0
Lead (Pb) 0
Mercury (Hg) 0

Selenium (Se) 0
Silver (Ag) 0
Copper (Cu) 0
Nickel (Ni) 0
Zinc (Zn) 0

Organics (ppm)

Endrin 0
Lindane 0
Methoxychlor 0
Toxaphene 0
2,4 D 0
2,4,5-TP (Silvex) 0

If material contains the following compounds, indicate actual ppm:

PCB 0
Cyanides 0
Sulfides 0
Dioxin 0

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MATERIALS CHARACTERIZATION DATA SHEET

LARINE SHALE PROCESSORS, INC.

110 James Drive West, Suite 120

St. Rose, LA 70087

504-465-3310

0002261

For MSP Use Only

Approval Code

Drum # 11
AVONDALE U-HAUL

A. Generator Information

Generator Name DRUG ENFORCEMENT ADMIN

Site Address 3010 N 2nd St, Suite 301

City PHOENIX State AZ Zip Code 85012

Generator Contact MR KEVIN CARVER

Title AGENT

Telephone No. (602) 640-5400

Facility EPA ID No. AZP000006314

B. Customer Information

Company Name DISPOSAL CONTROL SERVICE INC.

Contact CYNTHIA CLOWES

Address 888 W ILLINOIS

PHOENIX AZ 85041

Telephone No. (602) 268-0999

For Customer Use

C. Regulatory Information

☒ RCRA Regulated

☐ Land Ban

☒ Non Regulated

EPA Waste Code(s) NON REGULATED

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%)

DRUM CONTAINING: LARGE ALUMINUM HEATING

MANTLE

MIN

MAX

Common Name of Waste: DRUG LAB EQUIPMENT

E. General Characteristics

Color:

Odor: ☒ None ☐ Mild ☐ Strong

☐ Liquid ☐ Sludge ☒ Solid ☐ Powder

Phases ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive? Y ☒ N ☐ Polymerizable? Y ☒ N ☐

Infectious? Y ☒ N ☐ Pyrophoric? Y ☒ N ☐

Water Reactive? Y ☒ N ☐ Explosive? Y ☒ N ☐

G. Physical/Chemical Properties

Ash (list actual Wt %)

220

Water (Wt %)

☐ < 1 ☐ 5-10

☐ 1-5 ☐ > 10

BTU's per lb

(list actual value)

< 5000

list actual

Specific Gravity

☐ < 0.8 ☐ 1.2-1.4

☐ 0.8-1.0 ☐ 1.4-1.7

☐ 1.0-1.2 ☐ > 1.7

list actual

Viscosity

(for bulk liquids only)

list actual in centipoise

cp

Total

Suspended Solids

(Wt % for bulk liquids only)

☐ 5-20

☐ > 20

list actual

pH

☐ 2-6 ☒ 6-10

☐ 10-12.5

if < 2 or > 12.5

list actual

Flash Point (closed cup)

☐ < 100°F ☒ > 200°F

☐ 100°-140°F ☐ _____ °F

☐ 140°-200°F actual

Sulfur (Wt %)

☐ < 5

if > 5 list actual value

Halogens (Wt %)

☐ < 1 ☐ 1-5 ☐ 5-10

☐ > 10 list actual Wt %

☐ Iodine ☐ _____

☐ Bromine ☐ _____

☐ Chlorine ☐ _____

☐ Fluorine ☐ _____

actual Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As) ☐

Barium (Ba) ☐

Cadmium (Cd) ☐

Chromium (Cr) ☐

Lead (Pb) ☐

Mercury (Hg) ☐

Selenium (Se) ☐

Silver (Ag) ☐

Copper (Cu) ☐

Nickel (Ni) ☐

Zinc (Zn) ☐

Organics (ppm)

Endrin ☐

Lindane ☐

Methoxychlor ☐

Toxaphene ☐

2,4-D ☐

2,4,5-TP (Silvex) ☐

If material contains the following

compounds, indicate actual ppm:

PCB ☐

Cyanides ☐

Sulfides ☐

Dioxin ☐

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

9002262

Approval Code

DRUM # 13
AVONDALE-U Haul

A. Generator Information

Generator Name DRUG ENFORCEMENT ADMIN
Site Address 3010 N 2ND ST, SUITE 301
City PHOENIX State AZ Zip Code 85012
Generator Contact MR KEVIN CARVER
Title AGENT
Telephone No. (602) 640-5700
Facility EPA ID No. AZP000020 6314

B. Customer Information

Company Name DISPOSAL CONTROL SERVICE INC.
Contact CYNTHIA CLOWES
Address 888 W ILLINOI
PHOENIX AZ 85041
Telephone No. (602) 268-0999
For Customer Use

C. Regulatory Information

☐ RCRA Regulated☐ Land Ban☒ Non-Regulated

EPA Waste Code(s)

NON REGULATED

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

DRUM CONTAINING: VACUUM PUMPS
ELECTRIC MOTORS HEATING MANTLES

MIN

MAX

Common Name of Waste: DRUG LAB EQUIPMENT

E. General Characteristics

Color:

Odor: ☐ None ☐ Mild ☐ Strong☐ Liquid ☐ Sludge ☒ Solid ☐ PowderPhases ☐ Single Layer ☐ Double Layer ☒ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive? Y ☒ NPolymerizable? Y ☒ NInfectious? Y ☒ NPyrophoric? Y ☒ NWater Reactive? Y ☒ NExplosive? Y ☒ N

G. Physical/Chemical Properties

Ash (list actual Wt %)

< 20

Water (Wt %)

☐ < 1 ☐ 5-10☐ 1-5 ☒ > 10

BTU's per lb

(list actual value)

< 5000

list actual

Specific Gravity

☐ < 0.8 ☐ 1.2-1.4☐ 0.8-1.0 ☐ 1.4-1.7☐ 1.0-1.2 ☐ > 1.7

list actual

Viscosity

(for bulk liquids only)

list actual in centipoise

cp

Total

Suspended Solids

(Wt % - for bulk liquids only)

☐ 5-20☐ > 20

list actual

pH

☐ 2-6 ☒ 6-10☐ 10-12.5☐ < 2 or > 12.5

list actual

Flash Point (closed cup)

☐ < 100°F ☒ > 200°F☐ 100°-140°F ☐ °F☐ 140°-200°F actual

Sulfur (Wt %)

☐ < 5

if > 5 list actual value

Halogens (Wt %)

☐ < 1☐ 1-5☐ 5-10

actual Wt %

Iodine

Bromine

Chlorine

Fluorine

actual Wt %

actual Wt %

actual Wt %

actual Wt %

actual Wt %

actual Wt %

actual Wt %

actual Wt %

actual Wt %

actual Wt %

actual Wt %

actual Wt %

actual Wt %

actual Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As)

Barium (Ba)

Cadmium (Cd)

Chromium (Cr)

Lead (Pb)

Mercury (Hg)

Selenium (Se)

Silver (Ag)

Copper (Cu)

Nickel (Ni)

Zinc (Zn)

Organics (ppm)

Endrin

Lindane

Methoxychlor

Toxaphene

2,4-D

2,4,5-TP (Silvex)

If material contains the following

compounds, indicate actual ppm:

PCB

Cyanides

Sulfides

Dioxin

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE
MANIFEST 013852

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

Form Approved. OMB No. 2050-0039. Expires 9-30-81

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address		U.S. Postal Service 29th St. + 9th Ave. New York, NY 10001		A. State Manifest Document Number 013852	
4. Generator's Phone (212) 330-2165		6. US EPA ID Number PA1D10640315819		B. State Generator's ID Number SAME	
5. Transporter 1 Company Name Horwith Trucking		7. Transporter 2 Company Name		C. State Transporter's ID No. TJ-48707	
8. US EPA ID Number		9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		D. State Transporter's ID Number SAME	
10. US EPA ID Number		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		E. State Facility's ID Number SAME	
12. Containers		13. Total Quantity		14. Unit	
No. Type		Quantity		Wt/Vol	
a. RQ Hazardous Waste Solid, n.o.s. ORM-E NA 9189		0101 DT 01010210		Y	
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.		17. Handling Codes for Wastes Listed Above	
Trailer NY TJ-48707 IF UNABLE TO DELIVER, RETURN TO GENERATOR		NY Permit* PA-015		Product Code: DENYUENY4001298	
18. Transporter 1 Acknowledgement of Receipt of Materials		19. Discrepancy Indication Space		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.	
Printed/Typed Name A. Rios		Signature A. Rios		Month Day Year 04/11/90	
Printed/Typed Name		Signature		Month Day Year	
Printed/Typed Name GINA BHSSEN		Signature Gina Bhsen		Month Day Year 04/25/90	

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE
MANIFEST 013851

Form Approved OMB No. 2050-0039, E (Rev. 9-30-81)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NY 191816189129901010118		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address U.S. Postal Service 29th St. + 9th Avenue New York, NY 10001				4. Generator's Phone (212) 330-2165			
5. Transporter 1 Company Name Horwith Trucking				6. US EPA ID Number PA 1061403158119			
7. Transporter 2 Company Name				8. US EPA ID Number			
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380				10. US EPA ID Number LA 10981057706			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ Hazardous Waste Solid, n.o.s. ORM-E NA 9189				12. Containers No. Type 0101 DT 09020		13. Total Quantity 14. Unit Y	
15. Special Handling Instructions and Additional Information Trailer (PA) TN 74985 NY Permit PA 015				16. Generator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Printed/Typed Name YURY KARPENKO Signature Yury Karpenko Month Day Year 10/4/1990			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name RUBEN BRIGNONI Signature Ruben Brignoni Month Day Year 10/4/1990				18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day Year			
19. Discrepancy Indication Space				20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name GINA BARRETT Signature Gina Barrett Month Day Year 10/4/1990			

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE
MANIFEST 013844

to print or type. (Form designed for use on 11x17 (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law
3. Generator's Name and Mailing Address		U.S. Postal Service 29th St. + 9th Ave. New York, NY 10001		A. State Manifest Document Number 013844	
4. Generator's Phone (212) 330-2165		6. US EPA ID Number		B. State Generator's ID	
5. Transporter 1 Company Name Buffalo Fuel Corp.		7. Transporter 2 Company Name		C. State Transporter's ID NY-859000	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number LA 0981057706		D. Transporter's Phone 716-773-1921	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	
a. RQ Hazardous Waste Substance Solid ORM-E NA 91889 Y.K.		No. Type		14. Unit Wt/Vol	
		01011 DIT		T	
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above		L. Waste No.	
Product Code: DENVUSNY9001298		RECYCLE / REUSE		F002 F003 F005 D008	
15. Special Handling Instructions and Additional Information NY Permit # 9A-098					
IF UNABLE TO DELIVER, RETURN TO GENERATOR					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name		Signature		Month Day Year	
YURY KARPENKO		Yury Karpenko		10/10/21/90	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
Paul W. Cummins		Paul W. Cummins		10/10/21/90	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name		Signature		Month Day Year	
M. J. ...		M. J. ...		11/10/00	

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

D-121

RECYCLE / REUSE

MANIFEST 013845

Form Approved OMB No. 2050-0039, Expires 9-30-91

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NY 1018168929901010110	Manifest Document No. 013845	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address U.S. Postal Service 29th St. + 9th Ave. New York, NY 10001		A. State Manifest Document Number 013845		B. State Generator's ID SAME	
4. Generator's Phone (212) 330-2165		C. State Transporter's ID NY-45119C		D. Transporter's Phone 716-773-1921	
5. Transporter 1 Company Name Buffalo Fuel Corp.		6. US EPA ID Number NY 1015118099152		E. State Transporter's ID SAME	
7. Transporter 2 Company Name		8. US EPA ID Number		F. Transporter's Phone	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number LA 10981057706		G. State Facility's ID SAME	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ Hazardous Waste Substance Solid ORM-E NA 91809 Y.K.		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No. F002 F003 F005 D008
b.					R
c.					R
d.					R
J. Additional Descriptions for Materials Listed Above Product Code: DENVUSNY9001293		K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information NY Permit # 9A-098					
IF UNABLE TO DELIVER, RETURN TO GENERATOR					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name YURY KARPENKO		Signature Yury Karpenko		Month Day Year 10/10/1990	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Robert T. Morrison		Signature Robert T. Morrison		Month Day Year 10/10/1990	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST 013841

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

Form Approved OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NY1D19181681912991010101016		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.													
3. Generator's Name and Mailing Address U.S. Postal Service 29th ST. + 9th Ave. New York, NY 10001				A. State Manifest Document Number 013841															
4. Generator's Phone (212) 330-2165				B. State Generator's ID (NY) SAME															
5. Transporter 1 Company Name Buffalo Fuel Corp.				C. State Transporter's ID NY-35864															
6. US EPA ID Number NY1D101511810919152				D. Transporter's Phone 716-773-1921															
7. Transporter 2 Company Name				E. State Transporter's ID															
8. US EPA ID Number				F. Transporter's Phone															
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380				G. State Facility's ID SAME															
10. US EPA ID Number LA1D19181015177016				H. Facility's Phone (504) 631-3161															
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ Hazardous Waste Substance Solid ORM-E NA 9189 YK.				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.									
				001 DIT 0101020		T				F002 F003 F004 R									
										R									
										R									
										R									
J. Additional Descriptions for Materials Listed Above Product Code: DENYUSNY9001298				K. Handling Codes for Wastes Listed Above															
15. Special Handling Instructions and Additional Information NY Permit # 9A-098																			
IF UNABLE TO DELIVER, RETURN TO GENERATOR																			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																			
Printed/Typed Name YURY KARPENKO				Signature Yury Karpenko				Month Day Year 10/4/02/90											
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Edward G. KUNAT				Signature Edward G. KUNAT				Month Day Year 10/4/02/90											
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year											
19. Discrepancy Indication Space																			
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Jeanie Labranger												Signature Jeanie Labranger				Month Day Year 10/4/02/90			

LPA Form FRO-22 (Rev. 5/91) WHITE - DEQ GREEN - Generator YELLOW - TSDOR BLUE - Transporter 2 PINK - Transporter 1 GOLD - Generator (DEQ FORM FRO-22 (Rev. 5/91))

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST 013838

Form Approved OMB No. 2050-0032 Expires 9-30-91

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYID9868929901010103		Manifest Document No. 013838		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address U.S. Postal Service 29th St. + 9th Ave. New York, N.Y. 10001		4. Generator's Phone (212) 350-2165		5. Transporter 1 Company Name Buffalo Fuel Corp.		6. US EPA ID Number NYID101511810191512		7. Transporter 2 Company Name	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number LAID981057706		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ Hazardous Waste Substance ORM-E NA 91889		12. Containers No. Type 0101 DIT 01010120		13. Total Quantity Unit T	
14. Facility's ID LAID981057706		15. Facility's Phone (504) 631-3161		16. State Manifest Document Number 013838		17. State Generator's ID NYID9868929901010103		18. State Transporter's ID NYID101511810191512	
19. State Facility's ID LAID981057706		20. State Facility's Phone (504) 631-3161		21. State Transporter's Phone (716) 773-1921		22. State Transporter's ID NYID101511810191512		23. State Facility's Phone (504) 631-3161	
24. Additional Descriptions for Materials Listed Above Product Code 9001298 - DENVUSNY		25. RECYCLE / REUSE		26. Handling Codes for Wastes Listed Above F002 F003 F005 D001		27. Waste No. R		28. Waste No. R	
29. Special Handling Instructions and Additional Information NY Permit #9A-098		30. IF UNABLE TO DELIVER, RETURN TO GENERATOR		31. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.		32. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		33. Printed/Typed Name YURY KARPENKO	
34. Signature Yury Karpenko		35. Month Day Year 04/02/91		36. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name L. VAN BUREN		37. Signature L. Van Buren		38. Month Day Year 04/02/91	
39. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		40. Signature		41. Month Day Year		42. Discrepancy Indication Space		43. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.	
44. Printed/Typed Name Jeanie Lagrange		45. Signature Jeanie Lagrange		46. Month Day Year 04/02/91		47. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		48. Printed/Typed Name	

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST 013837

Form Approved OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD981689299101010102	Manifest Document No. 013837	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address U.S. Postal Service 29th St. + 9th Ave. New York, N.Y. 10001		4. Generator's Phone (212) 330-2165		A. State Manifest Document Number 013837	
5. Transporter 1 Company Name Buffalo Fuel Corp.		6. US EPA ID Number NYD101511810991512		B. State Generator's ID SAME	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID NY-54309D	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number LA D9811015177016		D. State Transporter's Phone 716-773-1921	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ Hazardous Waste Substance ORM-E NA 91849		12. Containers No. Type 0101 DT 001020 T		13. Total Quantity 14. Unit Wt/Vol T	
J. Additional Descriptions for Materials Listed Above Product Code 9001298 - DENVUSNY		K. Handling Codes for Wastes Listed Above		Waste No. F002 F003 F006 D008	
15. Special Handling Instructions and Additional Information NY Permit # 9A-098					
IF UNABLE TO DELIVER, RETURN TO GENERATOR					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name YURY KARPENKO		Signature Yury Karpenko		Month Day Year 04/02/90	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JOSEPH I MEYERS		Signature Joseph I Meyers		Month Day Year 10/10/91	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Ramon La... Signature Ramon La... Month Day Year 04/09/91					

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST 013847

is print or type. Form designed for use on 112 (12-pitch) typewriter.

Form Approved, OMB No. 2050-0039, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address U.S. Postal Service - 29th St. & 9th Avenue New York, NY 10001		NY 098689299000112			A. State Manifest Document Number 013847
4. Generator's Phone (212) 330-2165					B. State Generator's ID Same as A
5. Transporter 1 Company Name Buffalo Fuel Corp.		NY 09518099512			C. State Transporter's ID NY 39478-B
7. Transporter 2 Company Name					D. Transporter's Phone 716-773-1921
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380					E. State Transporter's ID Same as C
					F. Transporter's Phone (504) 631-3161
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol
a. RQ Hazardous Waste Solid, n.o.s. ORM-E NA 9189		No. Type			
		0 0 1 D T		0 0 0 2 0 Y	
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above Product Codes: DENVUSNY9001298		RECYCLE / REUSE		K. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information Trailer # NY 39478-B NY Permit #: 9A-098					
IF UNABLE TO DELIVER, RETURN TO GENERATOR					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name JURY KARPENKO		Signature Jury Karpenko		Month Day Year 04 03 90	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Harold E. Hau		Signature Harold E. Hau		Month Day Year 04 03 90	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Signature Month Day Year					

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

D-125

RECYCLE / REUSE

MANIFEST 013848

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

Form Approved OMB No. 2050-0039, Expires 8-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NY 0986892990001103		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address U.S. Postal Service - 29th St. & 9th Avenue New York, NY 10001				A. State Manifest Document Number 013848			
4. Generator's Phone (212) 330-2165				B. State Generator's ID Same as A			
5. Transporter 1 Company Name Buffalo Fuel Corp.				C. State Transporter's ID NY 54770-D			
6. US EPA ID Number NY 095180991512				D. Transporter's Phone 716-773-1921			
7. Transporter 2 Company Name				E. State Transporter's ID			
8. US EPA ID Number				F. Transporter's Phone			
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380				G. State Facility's ID Same as F			
10. US EPA ID Number LA 09810577016				H. Facility's Phone (504) 631-3161			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. RQ Hazardous Waste Solid, n.o.s. ORM-E NA 9189				No. Type		14. Unit Wt/Vol	
				0 0 1 D T		Y	
b.						R	
c.						R	
J. Additional Descriptions for Materials Listed Above Product Codes: DENVUSNY9001298 trailer # NY 54770-D				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information trailer # NY 54770-D NY Permit #: 9A-098 IF UNABLE TO DELIVER, RETURN TO GENERATOR							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name YURY KARPENKO				Signature Yury Karpenko		Month Day Year 04 03 90	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name PAUL A NUSS				Signature Paul A Nuss		Month Day Year 10 10 90	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Signature Month Day Year							

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE
MANIFEST 013840

Form Approved, OMB No. 2050-0039, Expires 9-30-91

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD918689129909010013		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address U.S. Postal Service 29th St. 19th Ave. New York, N.Y. 10001				A. State Manifest Document Number 013840			
4. Generator's Phone (212) 330-2165				B. State Generator's ID Number SAME			
5. Transporter 1 Company Name Buffalo Fuel Corp.				C. State Transporter's ID NY-85902D			
6. US EPA ID Number NYD101511810191512				D. Transporter's Phone 716-773-1921			
7. Transporter 2 Company Name				E. State Transporter's ID			
8. US EPA ID Number				F. Transporter's Phone			
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380				G. State Facility's ID SAME			
10. US EPA ID Number LA D918101517706				H. Facility's Phone (504) 631-3161			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity	
a. RQ Hazardous Waste, Substance Solid ORM-E NA 9189 Y.K.				001 DIT		010120 T	
b.						R	
c.						R	
d.						R	
J. Additional Descriptions for Materials Listed Above Product Code - DENVUSNY-9001298				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information NY Permit # 9A-098							
IF UNABLE TO DELIVER, RETURN TO GENERATOR							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name YURY KARPENKO				Signature Yury Karpenko			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name BRUCE CHAMBERLAIN				Signature B. Chamberlain			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature Date 04/02/90							

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST 013836

Form Approved OAS No. 2050-0039, Expires 9-30-91

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD98168929901010101		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address U.S. Postal Service 29th St. + 9th Avenue New York, N.Y. 10001		6. US EPA ID Number NYD101511810191512		A. State Manifest Document Number 013836		B. State Generator's ID SAME	
4. Generator's Phone (212) 330-2165		7. Transporter 1 Company Name Buffalo Fuel Corp.		C. State Transporter's ID NY-44613-C		D. Transporter's Phone 716-773-1921	
5. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number LA0981057706		G. State Facility's ID SAME		H. Facility's Phone (504) 631-3161	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. RQ Hazardous Waste Substance ORM-E NA9188 YK.		0101 DIT		0101020		T	
b.						R	
c.						R	
d.						R	
J. Additional Descriptions for Materials Listed Above Product Code 9001298-DENVOSNY		K. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information N.Y. Permit 9A-098							
IF UNABLE TO DELIVER, RETURN TO GENERATOR							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name YURY KARPENKO		Signature Yury Karpenko		Month Day Year 04/02/99			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name DANNY WINDIVORD		Signature Danny Windivord		Month Day Year 10/16/2016			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name YURY K		Signature		Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Ramon LaSalle							
Signature Ramon LaSalle				Month Day Year 04/29/99			

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MANIFEST 013842

Form Approved OMB No. 2050-0039, Expires 9-30-91

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST 013843

Print or type. (Form designed for use on a 12-pitch typewriter.)

Form Approved OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NY109816892990000018		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address U.S. Postal Service 29th St. + 9th Ave. New York, NY 10001		6. US EPA ID Number NY1010511810919152		A. State Manifest Document Number 013843		B. State Generator's ID SAME	
4. Generator's Phone (212) 330-2165		7. Transporter 1 Company Name Buffalo Fuel Corp.		C. State Transporter's ID NY-54799D		D. Transporter's Phone 716-773-1921	
5. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number LA10981057706		G. State Facility's ID SAME		H. Facility's Phone (504) 631-3161	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. RQ Hazardous Waste Substance Solid ORM-E NA 91889 Y.K.		01011 DT		01010210		T	
b.						R	
c.						R	
J. Additional Descriptions for Materials Listed Above Product Code: DENVUSNY9001293		K. Handling Codes for Wastes Listed Above		FOO2 FOO3 FOO5 DOO3		R	
15. Special Handling Instructions and Additional Information NY Permit # 9A-098		IF UNABLE TO DELIVER, RETURN TO GENERATOR					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name YURY KARPENKO		Signature Yury Karpenko		Month Day Year 10/10/2190			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JAMES A. GANTT		Signature James A. Gantt		Month Day Year 10/10/2190			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Signature Month Day Year							

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

D-104

RECYCLE / REUSE
MANIFEST 013850

Print or type. (Form designed for use on 12-pitch typewriter.)

Form Approved OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NY 9186892990000001		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address U.S. Postal Service - 29th St. & 9th Avenue New York, NY 10001				A. State Manifest Document Number 013850			
4. Generator's Phone (212) 330-2165				B. State Generator's ID Same			
5. Transporter 1 Company Name Buffalo Fuel Corp.				C. State Transporter's ID 38169R			
6. US EPA ID Number NY 051809952				D. Transporter's Phone 716-773-1921			
7. Transporter 2 Company Name				E. State Transporter's ID			
8. US EPA ID Number				F. Transporter's Phone			
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380				G. State Facility's ID Same			
10. US EPA ID Number LA 0981057706				H. Facility's Phone (504) 631-3161			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity	
a. RQ Hazardous Waste Solid, n.o.s. ORM-E NA 9189				001 D T		00020 Y	
b.						F002 F003 F005 R D008	
c.						R	
d.						R	
e.						R	
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above			
Product Codes: DENVUSNY9001298				RECYCLE/REUSE			
Facility # NY 38169R							
15. Special Handling Instructions and Additional Information NY Permit#: 9A-098 trail # NY 38169R IF UNABLE TO DELIVER, RETURN TO GENERATOR							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name YURY KARPENKO				Signature Yury Karpenko		Month Day Year 10/03/90	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name THOMAS E. TOTMAN				Signature Thomas E. Totman		Month Day Year 10/10/90	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature Month Day Year							

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

D-127

RECYCLE / REUSE
MANIFEST 013846

Print or type. (Form designed for use on a 12-pitch typewriter.)

Form Approved OMB No. 2050-0039 Expires 8-30-81

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

NY 09868929900001

2. Page 1

Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address

U.S. Postal Service - 29th St. & 9th Avenue
New York, NY 10001

4. Generator's Phone (212) 330-2165

5. Transporter 1 Company Name

Buffalo Fuel Corp.

6. US EPA ID Number

NY 095118099012

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number

LA 0981057706

A. State Manifest Document Number

013846

B. State Generator's ID

Same as Generator's ID

C. State Transporter's ID

54-795-D

D. Transporter's Phone

716-773-1921

E. State Transporter's ID

Same as Transporter's ID

F. Transporter's Phone

(504) 631-3161

G. State Facility's ID

Same as Facility's ID

H. Facility's Phone

(504) 631-3161

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

a. RQ Hazardous Waste Solid, n.o.s.
ORM-E NA 9189

12. Containers

No. Type

0101 D1T

13. Total Quantity

0101020

14. Unit

Y

15. Waste No.

F002

F003

D008

R

R

R

R

R

J. Additional Descriptions for Materials Listed Above

Product Codes: DENVUSNY9001298

RECYCLE / REUSE

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Trailer # NY 54795-D

NY Permit #: 9A-098

IF UNABLE TO DELIVER, RETURN TO GENERATOR

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

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

Printed/Typed Name

YURY KARPENKO

Signature

Yury Karpenko

Month Day Year

04 03 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Joseph Felius

Signature

Joseph Felius

Month Day Year

10 11 1990

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Discrepancy Indication Space

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

Printed/Typed Name

Jeanie Labrante

Signature

Jeanie Labrante

Month Day Year

11 10 90

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

D-112

RECYCLE / REUSE
MANIFEST 013839

Form designed for use on this (12-pitch) typewriter.

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYID9816819299101010101		Manifest Document No. 013839		2. Page 1 of 1		Information in the shaded areas is not required by Federal law	
3. Generator's Name and Mailing Address U.S. Postal Service 29th St. + 9th Ave. New York, N.Y. 10001		4. Generator's Phone (212) 330-2165		5. Transporter 1 Company Name Buffalo Fuel Corp.		6. US EPA ID Number NYID101511810991512		7. Transporter 2 Company Name	
8. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		9. US EPA ID Number LAID981010577016		10. US EPA ID Number		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ Hazardous Waste Substance ORM-E NA 9889 yld		12. Containers No. Type 01011 DIT 010101210 T	
13. Additional Descriptions for Materials Listed Above Product Code - 9001298-DENVUSNY		14. Handling Codes for Wastes Listed Above		15. Special Handling Instructions and Additional Information NY Permit # 9A-098		16. Generator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Kenneth L. Burgess Signature Kenneth L. Burgess Month Day Year 09/02/90	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day Year		19. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature Month Day Year		20. Discrepancy Indication Space		21. Facility Name and Address		22. Facility Phone	

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
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RECYCLE / REUSE

MANIFEST 013849

Print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NY 09868929900001	Manifest Document No. 000001	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address U.S. Postal Service - 29th St. & 9th Avenue New York, NY 10001			A. State Manifest Document Number 013849		
4. Generator's Phone (212) 330-2165			B. State Generator's ID No.		
5. Transporter 1 Company Name Buffalo Fuel Corp.			C. State Transporter's ID No. NY 55344-D		
6. US EPA ID Number NY 051809952			D. Transporter's Phone (716) 773-1921		
7. Transporter 2 Company Name			E. State Transporter's ID No.		
8. US EPA ID Number			F. Transporter's Phone		
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380			G. State Facility's ID No. Same		
10. US EPA ID Number LA D981057706			H. Facility's Phone (504) 631-3161		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
a. RQ Hazardous Waste Solid, n.o.s. ORM-E NA 9189			0,0,1 D,T	0,0,0,2,0	Y
b.					
c.					
15. Additional Descriptions for Materials Listed Above			K. Handling Codes for Wastes Listed Above		
Product Codes: DENVUSNY9001298			RECYCLE / REUSE		
15. Special Handling Instructions and Additional Information Trailer # NY 55344-D NY Permit #: 9A-098 IF UNABLE TO DELIVER, RETURN TO GENERATOR					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name YURY KARPENKO			Signature Yury Karpenko		Month Day Year 04 03 90
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name William W. Wada			Signature William W. Wada		Month Day Year 04 03 90
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name			Signature		Month Day Year
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name GINA BARNETT					
Signature Gina Barnett			Month Day Year 04 09 90		

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MAR 13 1990
MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

MAR 10 1990

For MSP Use Only

Approval Code

A. Generator Information

Generator Name U.S. Postal Service
Site Address 29th Street & 9th Avenue
City New York State NY Zip Code 10001
Generator Contact Steve Korcenko
Title Asst. Residential Engineer
Telephone No. 212 330-2165 (C)
Facility EPA ID No. In Progress

B. Customer Information

Company Name Direct Environmental
Contact Richard Taylor
Address 66-B Otis Street
West Babylon, New York 11704
Telephone No. (516) 253-0900
For Customer Use

C. Regulatory Information

☒ RCRA Regulated ☒ Land Ban ☐ Non-Regulated EPA Waste Code(s) E002, E003, F005, D008

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
Soil	70	80%
Bricks	20	30%
Wood & Debris	5	10%
Solvents: Ethylbenzene, Tetrachloroethane, Trichloroethene, toluene, zylene	0	4000 ppm
Lead	0	10 ppm

Common Name of Waste: Soil and debris contaminated with solvents

E. General Characteristics

Color Brown
Odor ☐ None ☒ Mild-very ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:
Radioactive? Y ☒ N ☐ Polymerizable? Y ☒ N ☐
Infectious? Y ☒ N ☐ Pyrophoric? Y ☒ N ☐
Water Reactive? Y ☒ N ☐ Explosive? Y ☒ N ☐

G. Physical/Chemical Properties

A₁ 90-95 Water (Wt %) ☐ <1 ☐ 5-10 Specific Gravity ☐ <0.8 ☒ 1.0-1.4
BTU's per lb 0-500 ☒ 1-5 ☐ >10 ☐ 10.8-1.0 ☐ 1.1-1.7
(list actual value) 0-500 list actual 1.1 list actual 1.1
Flash Point (closed cup) 170-200 F Sulfur (Wt %) ☒ <5 ☐ >5 list actual value 0.0001
☐ <100 F ☒ >200 F ☐ 100-140 F ☐ 140-200 F actual 0.0001
Halogens (Wt %) ☐ <1 ☐ 1-5 ☐ 5-10 ☐ >10 list actual Wt %
☐ Iodine ☒ ☐ ☐ ☐
☐ Bromine ☒ ☐ ☐ ☐
☐ Chlorine ☒ ☐ ☐ ☐
☐ Fluorine ☐ actual Wt % 0.0001

Metals: EP Toxicity Test (MG/L)

Arsenic (As) 0-0.61
Barium (Ba) 0-0.021
Cadmium (Cd) 0-0.022
Copper (Cu) 0-0.7
Lead (Pb) ND 0.0002
Mercury (Hg) ND 0.0002
Selenium (Se) ND 0.0005
Silver (Ag) ND 0.010
Nickel (Ni) ND 0.0007
Zinc (Zn) ND 0.0002

Organics (ppm)

Endrin ND 0.0001
Dieldrin ND 0.0005
Methoxychlor ND 0.0007
Toxaphene ND 0.0005
2,4-D ND 0.0002
2,4,5-T (Silvex) ND 0.0002

If material contains the following compounds, indicate actual ppm:
PCB NONE
Cyanides 0-13 ppm
Sulfides ND
Dioxin ND

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Marine Shale Processors
110 James Drive West
ST. Rose, La. 70087

3/12/90

Attn: Ms. Estelle Quijano

Dear Ms. Quijano:

Attached please find a completed waste
profile for contaminated soil from a USPS
site in Manhattan, New York. It is estimated
that 500 yd³ of soil will ~~be~~ require
off-site disposal. Please review the form
and attached analysis. I will call
tomorrow to discuss it with you.

Sincerely,

Richard V. Taylor
District Environmental
District Manager

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INTERNATIONAL
TECHNOLOGY
CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

MFI
630 Third Avenue
New York, NY 10017
Attn: Mr. Jerry Franz

Date: December 8, 1989

Job Number: 1186.02

PO Number: Project #39128

This is the Certificate of Analysis for the following samples:

Client Project ID:	Manhattan Postal Facility
Date Received by Lab:	11/22/89
Number of Samples:	Seven
Sample Type:	Soil

N.J. Lab Certification ID #12064

I Introduction

On November 22, 1989, seven soil samples were received in our laboratory from Carpenter Environmental Associates, Inc. in Northvale, N.J. The list of analytical tests performed as well as the date of sampling can be found in the attached report. The samples were labeled as follows:

Soil Samples

7670	7673	7676
7671	7674	
7672	7675	

Reviewed and Approved:

Jackie Redington
Jackie Redington
Project Manager

kp249-lab

cc: Carpenter Environmental Associates, Inc.

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories
American Association for Laboratory Accreditation

IT Analytical Services • 165 Fieldcrest Avenue, Edison, NJ 08837 • (201) 225-2000

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Carpenter Environmental Assoc.
Date: 12/11/89

IT ANALYTICAL SERVICES
PITTSBURGH, PA

Client Project ID: 599990

Job Number: P912020

General Chemistry Analysis

Client Sample ID: Sample #7679
Sample Date: 11/28/89
Lab Sample ID: E911271-01
Analysis Date: 12/5,6/89

Parameter *	Concentration mg/Kg
Total Cyanide	ND3.2
Reactive Cyanide	ND250
Reactive Sulfide	ND500

Client Sample ID: Sample #7680
Sample Date: 11/28/89
Lab Sample ID: E911271-02
Analysis Date: 12/5,6/89

Parameter *	Concentration mg/Kg	Matrix Spike Percent Recovery
Total Cyanide	ND1.1	--
Reactive Cyanide	ND250	24%
Reactive Sulfide	ND500	0%

*Results were determined by methodologies specified in SW-846, 3rd edition, 1986. These methods are prone to failure in both accuracy and reproducibility, therefore, we cannot assume any liability for these results. The reported detection limits are the EPA action levels for this analysis.

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MFI - Manhattan Postal Facility
Date: December 12, 1989

Client Project ID: MFI - Manhattan Postal Facility

IT ANALYTICAL SERVICES
EDISON, NJ
(201) 225-2000

Job Number 1186.02

VOLATILE ORGANIC PRIORITY POLLUTANT COMPOUNDS -- Method 8240

Client Sample ID: 7677

Sampled by Carptenter Environmental Associates, Inc.

Sample Date: 11/27/89

Lab Sample ID: E911271-03

Analysis Date: 12/5/89

Compound	Concentration (ug/kg)	Compound	Concentration (ug/kg)
Acrolein	ND'	1,1-Dichloroethene	ND
Acrylonitrile	ND'	trans-1-2-Dichloroethene	ND
Benzene	ND	1,2-Dichloropropane	ND
Bromoform	ND	cis-1,3-Dichloropropene	ND
Bromomethane	170	trans-1-3-Dichloropropene	ND
Carbon Tetrachloride	ND	Ethylbenzene	ND
Chlorobenzene	ND	Methylene Chloride	ND
Chlorodibromomethane	ND	1,1,2,2-Tetrachloroethane	ND
Chloroethane	ND	Tetrachloroethene	ND
2-Chloroethylvinyl Ether	ND	Toluene	ND
Chloroform	ND	1,1,1-Trichloroethane	ND
Chloromethane	ND	1,1,2-Trichloroethane	ND
Dichlorobromomethane	ND	Trichloroethene	ND
1,1-Dichloroethane	ND	Trichlorofluoromethane	ND
1,2-Dichloroethane	ND	Vinyl Chloride	ND

Remarks: ND = Non detectable less than 120 ug/kg

ND' = Non detectable less than 1,200 ug/kg for Acrolein/Acrylonitrile

Comments: High lab freon present

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MFI - Manhattan Postal Facility
Date: December 12, 1989

IT ANALYTICAL SERVICES
EDISON, NJ
(201) 225-2000
Job Number 1186.02

Client Project ID: MFI - Manhattan Postal Facility

VOLATILE ORGANIC PRIORITY POLLUTANT COMPOUNDS - Method 8240

Client Sample ID: 7678

Sampled by Carpenter Environmental Associates, Inc.

Sample Date: 11/27/89

Lab Sample ID: E911271-04

Analysis Date: 12/5/89

Compound	Concentration (ug/kg)	Compound	Concentration (ug/kg)
Acrolein	ND'	1,1-Dichloroethene	ND
Acrylonitrile	ND'	trans-1-2-Dichloroethene	ND
Benzene	ND	1,2-Dichloropropane	ND
Bromoform	ND	cis-1,3-Dichloropropene	ND
Bromomethane	110	trans-1-3-Dichloropropene	ND
Carbon Tetrachloride	ND	Ethylbenzene	ND
Chlorobenzene	ND	Methylene Chloride	ND
Chlorodibromomethane	ND	1,1,2,2-Tetrachloroethane	ND
Chloroethane	ND	Tetrachloroethene	ND
2-Chloroethylvinyl Ether	ND	Toluene	ND
Chloroform	ND	1,1,1-Trichloroethane	ND
Chloromethane	ND	1,1,2-Trichloroethane	ND
Dichlorobromomethane	ND	Trichloroethene	ND
1,1-Dichloroethane	ND	Trichlorofluoromethane	ND
1,2-Dichloroethane	ND	Vinyl Chloride	ND

Remarks: ND = Non detectable less than 120 ug/kg

ND' = Non detectable less than 1,200 ug/kg for Acrolein/Acrylonitrile

Comments: High lab freon: 1,1,2,2-trichlorotrifluoroethane

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INTERNATIONAL
TECHNOLOGY
CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

MFI
630 Third Avenue
New York, NY 10017
Attn: Mr. Jerry Franz

Date: December 12, 1989

Job Number: 1186.02

PO Number: Project #39128

This is the Certificate of Analysis for the following samples:

Client Project ID:	Manhattan Postal Facility
Date Received by Lab:	11/30/89
Number of Samples:	Four
Sample Type:	Soil

N.J. Lab Certification ID #12064

I Introduction

On November 30, 1989, four soil samples were received in our laboratory from Carpenter Environmental Associates, Inc. in Northvale, N.J. The list of analytical tests performed as well as the date of sampling can be found in the attached report. The samples were labeled as follows:

Soil Samples

7679	7678
7680	7677

Reviewed and Approved:

Jackie Redington
Jackie Redington
Project Manager

kp280-lab

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories
American Association for Laboratory Accreditation

IT Analytical Services • 165 Fieldcroft Avenue, Edison, NJ 08837 • (201) 225-2000

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Carpenter Environmental Assoc.
Date: 12/11/89

IT ANALYTICAL SERVICES
PITTSBURGH, PA

Client Project ID: 599990

Job Number: P912020

General Chemistry Analysis

Client Sample ID: Sample #7677
Sample Date: 11/27/89
Lab Sample ID: E911271-03
Analysis Date: 12/5,6/89

Parameter *	Concentration mg/Kg
Total Cyanide	ND1.1
Reactive Cyanide	ND250
Reactive Sulfide	ND500

Client Sample ID: Sample #7678
Sample Date: 11/27/89
Lab Sample ID: E911271-04
Analysis Date: 12/5,6/89

Parameter *	Concentration mg/Kg
Total Cyanide	ND1.1
Reactive Cyanide	ND250/ND250
Reactive Sulfide	ND500/ND500

*Results were determined by methodologies specified in SW-846, 3rd edition, 1986. These methods are prone to failure in both accuracy and reproducibility, therefore, we cannot assume any liability for these results. The reported detection limits are the EPA action levels for this analysis.

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MFI - Manhattan Postal Facility
Date: December 12, 1989

IT ANALYTICAL SERVICES
EDISON, NJ
(201) 225-2000
Job Number 1186.02

Client Project ID: MFI - Manhattan Postal Facility

RCRA/ID-27

Client Sample ID: 7677
Sample Date: 11/27/89
Lab Sample ID: E911271-03
Analysis Date: 12/6/89
Sampled by Carpenter Environmental Associates, Inc.

	(mg/kg)	EP Toxicity Leachate (mg/L)	EPA Maximum Leachate Concentration (mg/L)
Cyanide (Reactive)	ND 250	-	-
Sulfide (Reactive)	ND 500	-	-
Corrosivity (as pH)	7.0	-	-
Total Cyanide	ND 1.1	-	-
Ignitability	Non Ignitable	-	-
% Solids	88	-	-
Arsenic	-	ND 0.010	5.0
Mercury	-	0.26	100.0
Cadmium	-	ND 0.005	1.0
Chromium	-	ND 0.010	5.0
Lead	-	0.020	5.0
Mercury	-	ND 0.0002	0.2
Selenium	-	ND 0.005	1.0
Silver	-	ND 0.010	5.0
Endrin	-	ND 0.0003	0.02
Lindane	-	ND 0.0002	0.4
Methoxychlor	-	ND 0.002	10.0
Toxaphene	-	ND 0.017	0.5
2,4-D	-	ND 0.0002	10.0
2,4,5-TP	-	ND 0.0002	1.0

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MFI - Manhattan Postal Facility
Date: December 12, 1989

IT ANALYTICAL SERVICES
EDISON, NJ
(201) 225-2000
Job Number 1186.02

Client Project ID: MFI - Manhattan Postal Facility

RCRA/ID-27

Client Sample ID: 7678
Sample Date: 11/27/89
Lab Sample ID: E911271-04
Analysis Date: Completed 12/6/89
Sampled by Carpenter Environmental Associates, Inc.

	(mg/kg)	EP Toxicity Leachate (mg/L)	EPA Maximum Leachate Concentration (mg/L)
Cyanide (Reactive)	ND 250	-	-
Sulfide (Reactive)	ND 500	-	-
Corrosivity (as pH)	7.0	-	-
Total Cyanide	ND 1.1	-	-
Ignitability	Non Ignitable	-	-
% Solids	88	-	-
Arsenic	-	ND 0.010	5.0
Barium	-	0.091	100.0
Cadmium	-	ND 0.005	1.0
Chromium	-	ND 0.010	5.0
Lead	-	ND 0.005	5.0
Mercury	-	ND 0.0002	0.2
Selenium	-	ND 0.005	1.0
Silver	-	ND 0.010	5.0
Endrin	-	0.00012	0.02
Lindane	-	ND 0.00005	0.4
Methoxychlor	-	ND 0.00070	10.0
Toxaphene	-	ND 0.0050	0.5
2,4-D	-	ND 0.0002	10.0
2,4,5-TP	-	ND 0.0002	1.0

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MFI - Manhattan Postal Facility
Date: December 12, 1989

IT ANALYTICAL SERVICES
EDISON, NJ
(201) 225-2000
Job Number 1186.02

Client Project ID: MFI - Manhattan Postal Facility

RCRA/ID-27

Client Sample ID: 7679
Sample Date: 11/28/89
Lab Sample ID: E911271-01
Analysis Date: 12/6/89
Sampled by Carpenter Environmental Associates, Inc.

	(mg/kg)	EP Toxicity Leachate (mg/L)	EPA Maximum Leachate Concentration (mg/L)
Cyanide (Reactive)	ND 250	-	-
Sulfide (Reactive)	ND 500	-	-
Corrosivity (as pH)	6.0	-	-
Total Cyanide	ND 3.2	-	-
Ignitability	Non Ignitable	-	-
% Solids	33	-	-
Arsenic	-	ND 0.010	5.0
Barium	-	0.062	100.0
Cadmium	-	ND 0.005	1.0
Chromium	-	ND 0.010	5.0
Lead	-	ND 0.005	5.0
Mercury	-	ND 0.0002	0.2
Selenium	-	ND 0.005	1.0
Silver	-	ND 0.010	5.0
Endrin	-	ND 0.0001	0.02
Lindane	-	ND 0.00005	0.4
Methoxychlor	-	ND 0.0007	10.0
Toxaphene	-	ND 0.005	0.5
2,4-D	-	ND 0.00067	10.0
2,4,5-TP	-	ND 0.00067	1.0

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MFI - Manhattan Postal Facility
Date: December 12, 1989

Client Project ID: MFI - Manhattan Postal Facility

IT ANALYTICAL SERVICES
EDISON, NJ

(201) 225-2000

Job Number 1186.02

RCRA/ID-27

Client Sample ID: 7680

Sampled by Carpenter Environmental Associates, Inc.

Sample Date: 11/28/89

Lab Sample ID: E911271-02

Analysis Date: Completed 12/6/89

		EP Toxicity Leachate (mg/L)	EPA Maximum Leachate Concentration (mg/L)
	(mg/kg)		
Cyanide (Reactive)	ND 250	-	-
Sulfide (Reactive)	ND 500	-	-
Corrosivity (as pH)	7.0	-	-
Total Cyanide	ND 11		
Ignitability	Non Ignitable	-	-
% Solids	87	-	-
Arsenic	-	ND 0.010	5.0
Barium	-	0.18	100.0
Cadmium	-	0.006	1.0
Chromium	-	0.016	5.0
Lead	-	0.18	5.0
Mercury	-	ND 0.0002	0.2
Selenium	-	ND 0.005	1.0
Silver	-	ND 0.010	5.0
Endrin	-	ND 0.0001	0.02
Lindane	-	ND 0.00005	0.4
Methoxychlor	-	ND 0.0007	10.0
Toxaphene	-	ND 0.005	0.5
2,4-D	-	ND 0.0002	10.0
2,4,5-TP	-	ND 0.0002	1.0

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Carpenter Environmental Associates, Inc.
Date: 12/04/89

IT ANALYTICAL SERVICES
PITTSBURGH, PA

Client Project ID: 599990

Job Number: P911223

General Chemistry Analysis

Client Sample ID: 7670
Lab Sample ID: E911203-01
Sample Date: 11/17/89
Analysis Date: 11/28,29,30/89

Parameter	Concentration mg/Kg
Total Cyanide	13
Reactive Cyanide	ND250
Reactive Sulfide	ND500

Client Sample ID: 7671
Lab Sample ID: E911203-02
Sample Date: 11/17/89
Analysis Date: 11/28,29,30/89

Parameter	Concentration mg/Kg
Total Cyanide	1.3
Reactive Cyanide	ND250
Reactive Sulfide	ND500

Client Sample ID: 7672
Lab Sample ID: E911203-03
Sample Date: 11/17/89
Analysis Date: 11/28,29,30/89

Parameter	Concentration mg/Kg
Total Cyanide	ND1.2
Reactive Cyanide	ND250
Reactive Sulfide	ND500

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Carpenter Environmental Associates, Inc.
Date: 12/04/89

IT ANALYTICAL SERVICES
PITTSBURGH, PA

Client Project ID: 599990

Job Number: P911223

General Chemistry Analysis

Client Sample ID: 7673
Lab Sample ID: E911203-04
Sample Date: 11/17/89
Analysis Date: 11/28,29,30/89

Parameter	Concentration mg/Kg	Matrix Spike Percent recovery
Total Cyanide	ND1.2	--
Reactive Cyanide	ND250/ND250	11%
Reactive Sulfide	ND500/ND500	NC

Client Sample ID: 7674
Lab Sample ID: E911203-05
Sample Date: 11/17/89
Analysis Date: 11/28,29,30/89

Parameter	Concentration mg/Kg
Total Cyanide	ND1.5
Reactive Cyanide	ND250
Reactive Sulfide	ND500

Client Sample ID: 7675
Lab Sample ID: E911203-06
Sample Date: 11/17/89
Analysis Date: 11/28,29,30/89

Parameter	Concentration mg/Kg
Total Cyanide	ND1.2
Reactive Cyanide	ND250
Reactive Sulfide	ND500

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Carpenter Environmental Associates, Inc.
Date: 12/04/89

IT ANALYTICAL SERVICES
PITTSBURGH, PA

Client Project ID: 599990

Job Number: P911223

General Chemistry Analysis

Client Sample ID: 7676
Lab Sample ID: E911203-07
Sample Date: 11/17/89
Analysis Date: 11/28,29,30/89

Parameter	Concentration mg/Kg
Total Cyanide	ND1.2
Reactive Cyanide	ND250
Reactive Sulfide	ND500

Results presented were determined by methodologies specified in SW-846 3rd Edition. These methods are prone to failure in both accuracy and reproducibility, therefore we cannot assume liability for these results. The reported detection limits are the EPA action levels for this analysis.

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MFI - Manhattan Postal Facility
Date: December 8, 1989

IT ANALYTICAL SERVICES
EDISON, NJ
(201) 225-2000

Client Project ID: MFI - Manhattan Postal Facility

Job Number 1186.02

RCRA/ID-27

Client Sample ID: 7670
Sampled by Carpenter Environmental Associates, Inc.
Sample Date: 11/17/89
Lab Sample ID: E911203-01
Analysis Date: Completed 12/1/89

	(mg/kg)	EP Toxicity Leachate (mg/L)	EPA Maximum Leachate Concentration (mg/L)
Cyanide (Reactive)	ND 250	-	-
Sulfide (Reactive)	ND 500	-	-
Corrosivity (as pH)	6.5	-	-
Total Cyanide	13	-	-
Ignitability	Non Ignitable	-	-
% Solids	46	-	-
Arsenic	-	ND 0.010	5.0
Barium	-	0.064	100.0
Cadmium	-	ND 0.005	1.0
Chromium	-	ND 0.010	5.0
Lead	-	0.12	5.0
Mercury	-	ND 0.0002	0.2
Selenium	-	ND 0.005	1.0
Silver	-	ND 0.010	5.0
Endrin	-	ND 0.0001	0.02
Lindane	-	ND 0.00005	0.4
Methoxychlor	-	ND 0.0007	10.0
Toxaphene	-	ND 0.005	0.5
2,4-D	-	ND 0.0004	10.0
2,4,5-TP	-	ND 0.0004	1.0

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MFI - Manhattan Postal Facility
Date: December 8, 1989

IT ANALYTICAL SERVICES
EDISON, NJ
(201) 225-2000
Job Number 1186.02

Client Project ID: MFI - Manhattan Postal Facility

RCRA/ID-27

Client Sample ID: 7671
Sample Date: 11/17/89
Lab Sample ID: E911203-02
Analysis Date: Completed 12/1/89
Sampled by Carpenter Environmental Associates, Inc.

	(mg/kg)	EP Toxicity Leachate (mg/L)	EPA Maximum Leachate Concentration (mg/L)
Cyanide (Reactive)	ND 250	-	-
Sulfide (Reactive)	ND 500	-	-
Corrosivity (as pH)	6.5	-	-
Total Cyanide	1.3	-	-
Ignitability	Non Ignitable	-	-
% Solids	76	-	-
Arsenic	-	ND 0.010	5.0
Barium	-	0.37	100.0
Cadmium	-	0.017	1.0
Chromium	-	ND 0.010	5.0
Lead	-	8.7	5.0
Mercury	-	ND 0.0002	0.2
Selenium	-	ND 0.005	1.0
Silver	-	ND 0.010	5.0
Endrin	-	ND 0.0001	0.02
Lindane	-	ND 0.00005	0.4
Methoxychlor	-	ND 0.0007	10.0
Toxaphene	-	ND 0.005	0.5
2,4-D	-	ND 0.0004	10.0
2,4,5-TP	-	ND 0.0004	1.0

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MFI - Manhattan Postal Facility
Date: December 8, 1989

IT ANALYTICAL SERVICES
EDISON, NJ

(201) 225-2000

Job Number 1186.02

Client Project ID: MFI - Manhattan Postal Facility

RCRA/ID-27

Client Sample ID: 7673

Sampled by Carpenter Environmental Associates, Inc.

Sample Date: 11/17/89

Lab Sample ID: E911203-04

Analysis Date: Completed 12/1/89

	(mg/kg)	EP Toxicity Leachate (mg/L)	EPA Maximum Leachate Concentration (mg/L)
Cyanide (Reactive)	ND 250	-	-
Sulfide (Reactive)	ND 500	-	-
Corrosivity (as pH)	7.0	-	-
Total Cyanide	ND 1.2	-	-
Ignitability	Non Ignitable	-	-
% Solids	85	-	-
Arsenic	-	ND 0.010	5.0
Barium	-	0.16	100.0
Cadmium	-	ND 0.005	1.0
Chromium	-	ND 0.010	5.0
Lead	-	0.020	5.0
Mercury	-	ND 0.0002	0.2
Selenium	-	ND 0.005	1.0
Silver	-	ND 0.010	5.0
Endrin	-	ND 0.0001	0.02
Lindane	-	ND 0.00005	0.4
Methoxychlor	-	ND 0.0007	10.0
Toxaphene	-	ND 0.005	0.5
2,4-D	-	ND 0.0004	10.0
2,4,5-TP	-	ND 0.0004	1.0

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MFI - Manhattan Postal Facility
Date: December 8, 1989

IT ANALYTICAL SERVICES
EDISON, NJ
(201) 225-2000
Job Number 1186.02

Client Project ID: MFI - Manhattan Postal Facility

RCRA/ID-27

Client Sample ID: 7674
Sample Date: 11/17/89
Lab Sample ID: E911203-05
Analysis Date: Completed 12/1/89
Sampled by Carpenter Environmental Associates, Inc.

	(mg/kg)	EP Toxicity Leachate (mg/L)	EPA Maximum Leachate Concentration (mg/L)
Cyanide (Reactive)	ND 250	-	-
Sulfide (Reactive)	ND 500	-	-
Corrosivity (as pH)	7.5	-	-
Total Cyanide	ND 1.5	-	-
Ignitability	Non Ignitable	-	-
% Solids	67	-	-
Arsenic	-	0.012	5.0
Barium	-	0.61	100.0
Cadmium	-	0.021	1.0
Chromium	-	ND 0.010	5.0
Lead	-	4.6	5.0
Mercury	-	ND 0.0002	0.2
Selenium	-	ND 0.005	1.0
Silver	-	ND 0.010	5.0
Endrin	-	ND 0.0001	0.02
Lindane	-	ND 0.00005	0.4
Methoxychlor	-	ND 0.0007	10.0
Toxaphene	-	ND 0.005	0.5
2,4-D	-	ND 0.0004	10.0
2,4,5-TP	-	ND 0.0004	1.0

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MFI - Manhattan Postal Facility
Date: December 8, 1989

IT ANALYTICAL SERVICES
EDISON, NJ
(201) 225-2000
Job Number 1186.02

Client Project ID: MFI - Manhattan Postal Facility

RCRA/ID-27

Client Sample ID: 7675
Sample Date: 11/17/89
Lab Sample ID: E911203-06
Analysis Date: Completed 12/1/89

	(mg/kg)	EP Toxicity Leachate (mg/L)	EPA Maximum Leachate Concentration (mg/L)
Cyanide (Reactive)	ND 250	-	-
Sulfide (Reactive)	ND 500	-	-
Corrosivity (as pH)	7.0	-	-
Total Cyanide	ND 1.2	-	-
Ignitability	Non Ignitable	-	-
% Solids	82	-	-
Arsenic	-	ND 0.010	5.0
Barium	-	0.38	100.0
Cadmium	-	ND 0.005	1.0
Chromium	-	ND 0.010	5.0
Lead	-	1.2	5.0
Mercury	-	ND 0.0002	0.2
Selenium	-	ND 0.005	1.0
Silver	-	ND 0.010	5.0
Endrin	-	ND 0.0001	0.02
Lindane	-	ND 0.00005	0.4
Methoxychlor	-	ND 0.0007	10.0
Toxaphene	-	ND 0.005	0.5
2,4-D	-	ND 0.0004	10.0
2,4,5-TP	-	ND 0.0004	1.0

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MFI - Manhattan Postal Facility
Date: December 8, 1989

IT ANALYTICAL SERVICES
EDISON, NJ
(201) 225-2000
Job Number 1186.02

Client Project ID: MFI - Manhattan Postal Facility

RCRA/ID-27

Client Sample ID: 7676
Sampled by Carpenter Environmental Associates, Inc.
Sample Date: 11/17/89
Lab Sample ID: E911203-07
Analysis Date: Completed 12/1/89

	(mg/kg)	EP Toxicity Leachate (mg/L)	EPA Maximum Leachate Concentration (mg/L)
Cyanide (Reactive)	ND 250	-	-
Sulfide (Reactive)	ND 500	-	-
Corrosivity (as pH)	7.0	-	-
Total Cyanide	ND 1.2	-	-
Ignitability	Non Ignitable	-	-
% Solids	82	-	-
Arsenic	-	ND 0.010	5.0
Barium	-	0.41	100.0
Cadmium	-	0.012	1.0
Chromium	-	0.022	5.0
Lead	-	3.5	5.0
Mercury	-	ND 0.0002	0.2
Selenium	-	ND 0.005	1.0
Silver	-	ND 0.010	5.0
Endrin	-	ND 0.0001	0.02
Lindane	-	ND 0.00005	0.4
Methoxychlor	-	ND 0.0007	10.0
Toxaphene	-	ND 0.005	0.5
2,4-D	-	ND 0.0004	10.0
2,4,5-TP	-	ND 0.0004	1.0

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MFI - Manhattan Postal Facility
Date: December 8, 1989

IT ANALYTICAL SERVICES
EDISON, NJ
(201) 225-2000
Job Number 1186.02

Client Project ID: MFI - Manhattan Postal Facility

VOLATILE ORGANIC PRIORITY POLLUTANT COMPOUNDS - Method 624

Client Sample ID: 7672
Sampled by Carptenter Environmental Associates, Inc.
Sample Date: 11/17/89
Lab Sample ID: E911203-03
Analysis Date: 11/29/89

Compound	Concentration (ug/kg)	Compound	Concentration (ug/kg)
Acrolein	ND'	1,1-Dichloroethene	ND
Acrylonitrile	ND'	trans-1-2-Dichloroethene	ND
Benzene	ND	1,2-Dichloropropane	ND
Bromoform	ND	cis-1,3-Dichloropropene	ND
Bromomethane	ND	trans-1-3-Dichloropropene	ND
Carbon Tetrachloride	ND	Ethylbenzene	1,150,000
Chlorobenzene	ND	Methylene Chloride	ND
Chlorodibromomethane	ND	1,1,2,2-Tetrachloroethane	ND
Chloroethane	ND	Tetrachloroethene	6,100
2-Chloroethylvinyl Ether	ND	Toluene	12,000
Chloroform	ND	1,1,1-Trichloroethane	ND
Chloromethane	ND	1,1,2-Trichloroethane	ND
Dichlorobromomethane	ND	Trichloroethene	ND
1,1-Dichloroethane	ND	Trichlorofluoromethane	ND
1,2-Dichloroethane	ND	Vinyl Chloride	ND

Remarks: ND = Non detectable less than 6,100 ug/kg

ND' = Non detectable less than 61,000 ug/kg for Acrolein/Acrylonitrile

Comments:

High Xylenes: 3,800,000 ppb.

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MFI - Manhattan Postal Facility
Date: December 8, 1989

IT ANALYTICAL SERVICES
EDISON, NJ

(201) 225-2000

Job Number 1186.02

Client Project ID: MFI - Manhattan Postal Facility

VOLATILE ORGANIC PRIORITY POLLUTANT COMPOUNDS - Method 624

Client Sample ID: 7673

Sampled by Carptenter Environmental Associates, Inc.

Sample Date: 11/17/89

Lab Sample ID: E911203-04

Analysis Date: 11/29/89

Compound	Concentration (ug/kg)	Compound	Concentration (ug/kg)
Acrolein	ND'	1,1-Dichloroethene	ND
Acrylonitrile	ND'	trans-1-2-Dichloroethene	ND
Benzene	ND	1,2-Dichloropropane	ND
Bromoform	ND	cis-1,3-Dichloropropene	ND
Bromomethane	ND	trans-1-3-Dichloropropene	ND
Carbon Tetrachloride	ND	Ethylbenzene	700
Chlorobenzene	ND	Methylene Chloride	ND
Chlorodibromomethane	ND	1,1,2,2-Tetrachloroethane	ND
Chloroethane	ND	Tetrachloroethene	5,500
2-Chloroethylvinyl Ether	ND	Toluene	1,400
Chloroform	ND	1,1,1-Trichloroethane	ND
Chloromethane	ND	1,1,2-Trichloroethane	ND
Dichlorobromomethane	ND	Trichloroethene	1,600
1,1-Dichloroethane	ND	Trichlorofluoromethane	ND
1,2-Dichloroethane	ND	Vinyl Chloride	ND

Remarks: ND = Non detectable less than 580 ug/kg

ND' = Non detectable less than 5,800 ug/kg for Acrolein/Acrylonitrile

Comments:

High Xylenes: 15,000 ppb.

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0789

MFI - Manhattan Postal Facility
Date: December 8, 1989

IT ANALYTICAL SERVICES
EDISON, NJ
(201) 225-2000

Client Project ID: MFI - Manhattan Postal Facility

Job Number 1186.02

VOLATILE ORGANIC PRIORITY POLLUTANT COMPOUNDS - Method 624

Client Sample ID: 7674

Sampled by Carpenter Environmental Associates, Inc.

Sample Date: 11/17/89

Lab Sample ID: E911203-05

Analysis Date: 11/29/89

Compound	Concentration (ug/kg)	Compound	Concentration (ug/kg)
Acrolein	ND'	1,1-Dichloroethene	ND
Acrylonitrile	ND'	trans-1-2-Dichloroethene	ND
Benzene	ND	1,2-Dichloropropane	ND
Bromoform	ND	cis-1,3-Dichloropropene	ND
Bromomethane	ND	trans-1-3-Dichloropropene	ND
Carbon Tetrachloride	ND	Ethylbenzene	ND
Chlorobenzene	ND	Methylene Chloride	ND
Chlorodibromomethane	ND	1,1,2,2-Tetrachloroethane	ND
Chloroethane	ND	Tetrachloroethene	6,200
2-Chloroethylvinyl Ether	ND	Toluene	ND
Chloroform	ND	1,1,1-Trichloroethane	ND
Chloromethane	ND	1,1,2-Trichloroethane	ND
Dichlorobromomethane	ND	Trichloroethene	1,800
1,1-Dichloroethane	ND	Trichlorofluoromethane	ND
1,2-Dichloroethane	ND	Vinyl Chloride	ND

Remarks: ND = Non detectable less than 730 ug/kg

ND' = Non detectable less than 7,300 ug/kg for Acrolein/Acrylonitrile

Comments:

High Xylenes: 232,000 ppb

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MFI - Manhattan Postal Facility
Date: December 8, 1989

IT ANALYTICAL SERVICES
EDISON, NJ
(201) 225-2000
Job Number 1186.02

Client Project ID: MFI - Manhattan Postal Facility

VOLATILE ORGANIC PRIORITY POLLUTANT COMPOUNDS - Method 624

Client Sample ID: 7675
Sampled by Carptenter Environmental Associates, Inc.
Sample Date: 11/17/89
Lab Sample ID: E911203-06
Analysis Date: 11/29/89

Compound	Concentration (ug/kg)	Compound	Concentration (ug/kg)
Acrolein	ND'	1,1-Dichloroethene	ND
Acrylonitrile	ND'	trans-1-2-Dichloroethene	ND
Benzene	ND	1,2-Dichloropropane	ND
Bromoform	ND	cis-1,3-Dichloropropene	ND
Bromomethane	ND	trans-1-3-Dichloropropene	ND
Carbon Tetrachloride	ND	Ethylbenzene	130
Chlorobenzene	ND	Methylene Chloride	ND
Chlorodibromomethane	ND	1,1,2,2-Tetrachloroethane	ND
Chloroethane	ND	Tetrachloroethene	4,900
2-Chloroethylvinyl Ether	ND	Toluene	ND
Chloroform	ND	1,1,1-Trichloroethane	ND
Chloromethane	ND	1,1,2-Trichloroethane	ND
Dichlorobromomethane	ND	Trichloroethene	1,500
1,1-Dichloroethane	ND	Trichlorofluoromethane	ND
1,2-Dichloroethane	140	Vinyl Chloride	ND

Remarks: ND = Non detectable less than 130 ug/kg

ND' = Non detectable less than 1,300 ug/kg for Acrolein/Acrylonitrile

Comments:

Xylenes 326 ppb

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MFI - Manhattan Postal Facility
Date: December 8, 1989

IT ANALYTICAL SERVICES
EDISON, NJ
(201) 225-2000
Job Number 1186.02

Client Project ID: MFI - Manhattan Postal Facility

VOLATILE ORGANIC PRIORITY POLLUTANT COMPOUNDS - Method 624

Client Sample ID: 7676
Sample Date: 11/17/89
Lab Sample ID: E911203-07
Analysis Date: 11/29/89
Sampled by: Carpenter Environmental Associates, Inc.

Compound	Concentration (ug/kg)	Compound	Concentration (ug/kg)
Acrolein	ND'	1,1-Dichloroethene	ND
Acrylonitrile	ND'	trans-1-2-Dichloroethene	ND
Benzene	ND	1,2-Dichloropropane	ND
Bromoform	ND	cis-1,3-Dichloropropene	ND
Bromomethane	ND	trans-1-3-Dichloropropene	ND
Carbon Tetrachloride	ND	Ethylbenzene	ND
Chlorobenzene	ND	Methylene Chloride	ND
Chlorodibromomethane	ND	1,1,2,2-Tetrachloroethane	ND
Chloroethane	ND	Tetrachloroethene	ND
2-Chloroethylvinyl Ether	ND	Toluene	ND
Chloroform	ND	1,1,1-Trichloroethane	ND
Chloromethane	ND	1,1,2-Trichloroethane	ND
Dichlorobromomethane	ND	Trichloroethene	ND
1,1-Dichloroethane	ND	Trichlorofluoromethane	ND
1,2-Dichloroethane	ND	Vinyl Chloride	ND

Remarks: ND = Non detectable less than 60 ug/kg

ND' = Non detectable less than 600 ug/kg for Acrolein/Acrylonitrile

Comments:

Xylenes 120 ppb

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APR 11 1991

MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

For MSP Use Only

Approval Code

9001278

A. Generator Information

Generator Name: U.S. Postal Service
Site Address: 29th Street & 9th Avenue
City: New York, NY Zip Code: 10001
Generator Contact: Yuri Karpenko
Title: Asst. Residential Engineer
Telephone No.: 330-2165 (6)
Facility EPA ID No.: In Progress

B. Recipient Information

Company Name: Direct Environmental
Contact: Richard Taylor
Address: 66-B Otis Street
West Babylon, New York 11704
Telephone No. (516) 253-0900
For Customer Use

C. Regulatory Information

☒ RCRA Regulated ☒ Land Ban ☐ Non Regulated EPA Waste Code(s) F002, F003, F005, D000

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
Soil	70	80%
Bricks	20	30%
Wood & Debris	5	10%
Solvents: Ethylbenzene, Tetrachloroethane, Trichloroethene, toluene, xylene	0	4000 ppm
Lead	0	10 ppm

Common Name of Waste: Soil and debris contaminated with solvents

E. General Characteristics

Color: Brown
Odor: ☐ None ☒ Mild-very ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases: ☒ Single Layer ☐ Double Layer ☐ Multi Layer

F. Hazardous Characteristics

In the waste:
Radioactive? Y ☒ N ☒ Polymerizable? Y ☒ N ☒
Infectious? Y ☒ N ☒ Pyrophoric? Y ☒ N ☒
Water Reactive? Y ☒ N ☒ Explosive? Y ☒ N ☒

G. Physical/Chemical Properties

As Rec'd (Wt %): 90-95 Water (Wt %): ☐ <1 ☐ 5-10 Specific Gravity: ☐ <0.8 ☒ 1.2-1.4 Viscosity (for bulk liquids only): ☐ <5 ☐ 5-20 pH: ☐ 2-6 ☒ 6-10
BTUs per lb (list actual value): 0-500 Est actual: Est actual: Est actual: cp
Total Suspended Solids (Wt % for bulk liquids only): ☐ <5 ☐ 5-20 if > 20 list actual: list actual: list actual:

Flash Point (closed cup): ☐ <100°F ☒ >200°F Sulfur (Wt %): ☒ <5 ☐ >5 Est actual value: ☐ <1 ☐ 1-5 ☐ 5-10 ☐ >10 list actual Wt %
☐ 100-140°F ☐ actual: °F ☐ Bromine ☒ ☐ ☐
☐ 140-200°F actual: °F ☐ Chlorine ☒ ☐ ☐
Halogens (Wt %): ☐ Fluorine ☐ actual Wt %

Metals: EP Toxicity Test (Wt %)
Arsenic (As): 0-0.61 Selenium (Se): ND-0.805
Barium (Ba): 0-0.021 Silver (Ag): ND-0.805
Cadmium (Cd): 0-0.022 Copper (Cu):
Chromium (Cr): 0-8.7 Nickel (Ni):
Lead (Pb): ND-0.0002 Zinc (Zn):
Mercury (Hg): ND-0.0002
Organics (ppm)
Endrin: ND-0.0001
Dieldrin: ND-0.00005
Methoxychlor: ND-0.0007
Toxaphene: ND-0.0005
2,4-D: ND-0.0002
2,4,5-T (Silvex): ND-0.0002
If material contains the following compounds, indicate actual ppm:
PCB: NONE
Cyanides: 0-13 ppm
Sulfides: ND
Disin:

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Notes: Additional Information or Special Handling Instructions

Material consists of soil and rubble from a site previously operated as a piano factory. Numerous bricks are present due to demolition of building structure years ago. All larger debris will be removed prior to shipment.

Generating Process: Excavation of site previously housing a piano factory.

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

See attached analytical reports
-Normal precautions for minor solvent contamination

J. Shipping Information

DOT Hazardous Material ☒ N
Proper Shipping Name RQ Hazardous Waste Substance DOT ID. No. ☒ NA 9108

Class ORM-E

Anticipated Volume Drums 1 Gal 500 ☒ Yds ☐ Bulk ☐ Roll

Container Size 30 cubic yards Container Type Dump trailer

Per ☒ One time ☐ Week ☐ Month ☐ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed, I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Yury Karpenko

Generator's Signature

2. YURY KARPENKO

Name (Type or Print)

3. March 12, 1990

Date

4. Ass. Residential Engineer

Title

Recertification Requirements

Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

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0790



DIRECT ENVIRONMENTAL INC.

Marine Shale Processes
110 James Drive West
Suite 120
St. Rose, La. 70087

Attn: Ms. Estelle Quijano

Dear Estelle:

Attached please find a copy of
the characterization sheet for the Manhattan
ISPS site that is signed on the front
page by the generator. He also signed
by the EPA I.D. number to acknowledge
its addition to the form.

Please call if you have any further
concerns with this approval.

Thank

Richard V. Taylor

COMPLETE HAZARDOUS WASTE SERVICE: EVALUATION / TRANSPORTATION / DISPOSAL

66-B Otis Street, West Babylon, N.Y. 11704 516 / 253-0900

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MAR 13 1990

MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC. MAR 13 1990

10 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

9001298

For MSP Use Only

Approval Code

Picture and sample
data/analysis
at plant - label
man

A. Generator Information

Generator Name U.S. Postal Service
Site Address 29th Street & 9th Avenue
City New York State NY Zip Code 10001
Generator Contact Julia KARPENKO
Title ASS. Residential Engineer
Telephone No. 330-2165 (6)
Facility EPA ID No. In Progress

B. Customer Information

Company Name Direct Environmental
Contact Richard Taylor
Address 66-B Otis Street
West Babylon, New York 11704
Telephone No. (516) 253-0900
For Customer Use

C. Regulatory Information

☒ RCRA Regulated ☒ Land Ban ☐ Non-Regulated EPA Waste Code(s) F002, F003, F005, D008

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
Soil	70	80%
Bricks	20	30%
Wood & Debris	5	10%
Solvents: Ethylbenzene, Tetrachloroethane, Trichloroethene, toluene, xylene	0	4000 ppm
Lead	0	10 ppm

Common Name of Waste: Soil and debris contaminated with solvents

E. General Characteristics

Color: Brown
Odor: ☐ None ☒ Mild-very ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases: ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:
Radioactive? ☒ Y ☒ N ☒ X
Infectious? ☐ Y ☒ N ☒ X
Water Reactive? ☐ Y ☒ N ☒ X
Polymerizable? ☐ Y ☒ N ☒ X
Pyrophoric? ☐ Y ☒ N ☒ X
Explosive? ☐ Y ☒ N ☒ X

G. Physical/Chemical Properties

Acid (list actual Wt %)	Water (Wt %)	Specific Gravity	Viscosity	Total Suspended Solids	pH
<u>90-95</u>	☐ <1 ☐ 5-10	☐ <0.8 ☒ 1.0-1.4	(for bulk liquids only)	(Wt % for bulk liquids only)	☐ 2-6 ☒ 6-10
BTU's per lb	☒ 1-5 ☐ >10	☐ 0.8-1.0 ☐ 1.4-1.7	list actual in centipoise	☐ 5-20	☐ 10-12.5
(list actual value)	list actual	☐ 1.0-1.2 ☐ >1.7	cp	if > 20	if < 2 or > 12.5
<u>0-500</u>		list actual		list actual	list actual

Flash Point (closed cup)

☐ < 100°F ☒ > 200°F
☐ 100°-140°F ☐ actual °F
☐ 140°-200°F

Sulfur (Wt %)

☒ < 5
if > 5 list actual value

Halogens (Wt %)

☐ <1 ☐ 1-5 ☐ 5-10 ☐ > 10 list actual Wt %
☐ Iodine ☒ X ☐ ☐
☐ Bromine ☒ X ☐ ☐
☐ Chlorine ☒ X ☐ ☐
☐ Fluorine ☐ O actual Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As) 0-0-6.1
Barium (Ba) 0-0-0.21
Cadmium (Cd) 0-0-0.22
Chromium (Cr) 0-0-0.7
Lead (Pb) ND 0.0002
Mercury (Hg)

Selenium (Se) ND 0.0005
Silver (Ag) ND 0.010
Copper (Cu)
Nickel (Ni)
Zinc (Zn)

Organics (ppm)

Enthalpy ND 0.0001
Linkage ND 0.00005
Methoxychlor ND 0.0007
Tetrahydro ND 0.0005
2,4-D ND 0.0002
2,4,5-TP (Silvex) ND 0.0002

If material contains the following

compounds, indicate actual ppm:
PCB NONE
Cyanides 0-13 ppm
Sulfides ND
Dioxin

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H. Name, Address, and Telephone of Special Handling Organization

Material consists of soil and rubble from a site previously operated as a piano factory. Numerous bricks are present due to demolition of building structure years ago. All larger debris will be removed prior to shipment.

Generating Process: Excavation of site previously housing a piano factory.

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

See attached analytical reports
-Normal precautions for minor solvent contamination

J. Shipping Information

DOT Hazardous Material ☒ Y ☐ N
Proper Shipping Name RQ Hazardous Waste Substance DOT LD. No. ☒ UN ☐ NA 9188
Hazard Class ORM-E RQ
Discarded Volume Drums Gal 500 ☒ Yds ☐ Lbs ☐ Bulk? ☐ Rail?
Container Size 30 cubic yards Container Type Dump trailer
Per ☒ One time ☐ Week ☐ Month ☐ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed, I certify that the materials tested are representative of all material described by this Material's Characterization Data Sheet.

1. [Signature] 2. YURY KARPENKO
Generator's Signature Name (Type or Print)
3. March 12, 1990 4. Ass. Residential Engineer
Date Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.



MAR 23 1990

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B. Customer Information

Company Name Direct Environmental
Contact Richard Taylor
Address 66-B Otis Street
West Babylon, New York 11704
Telephone No. (516) 253-0900
For Customer Use

☒ RCM Regulated ☐ Land Bank

☐ Non-Regulated

EPA Waste Code(s) F002, F003, F005, D008

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

Common Name of Waste: Soil and debris contaminated with solvents

F. Specific Characteristics

Is the waste:					
Radioactive?	Y	N X	Polymerizable?	Y	N X
Infectious?	Y	N X	Pyrophoric?	Y	N X
Water Reactive?	Y	N X	Explosive?	Y	N X

Air (list actual Wt %) <u>90-95</u> BTUs per lb (list actual value) <u>0-500</u>	Water (Wt %) ☐ <1 ☐ 5-10 X ☒ 1-5 ☐ > 10 list actual _____	Specific Gravity ☐ < 0.8 ☒ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ > 1.7 list actual _____	Viscosity (for bulk liquids only) list actual in centipoise _____ cp	Total Suspended Solids (Wt % for bulk liquids only) ☐ 5-20 ☒ > 20 list actual _____	pH ☐ 2-6 ☒ 6-10 ☐ 10-12.5 ☐ < 2 or > 12.5 list actual _____
--	---	---	--	---	--

Sulfur (44.2%)

$X_i < 5$
if > 5 but actual value

Is: EP Toxicity Test (MG/U)

Selenium (Se) NB-8:005
Silver (Ag) _____
Copper (Cu) _____
Nickel (Ni) _____
Zinc (Zn) _____

Halogens (Wt %)	<1	1-5	5-10	if > 10 list actual Wt %
F (Fluorine)	X)	□	□	
Br (Bromine)	X)	□	□	
Cl (Chlorine)	X)	□	□	
I (Iodine)	□	actual	Wt %	

Organics (ppm)

Endrin ND 0.0001
lindane ND 0.00005
Methoxychlor ND 0.0007
Toxaphene ND 0.0005
2,4 D ND 0.0002
2,4,5 TP (S'tee) ND 0.0002

If material contains the following

compounds, indicate actual ppm:
 PCB NONE
 Cyanides 0-13 ppm
 Sulfides ND
 Dioxin

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H. Notes, Additional Information or Special Handling Instructions

Material consists of soil and rubble from a site previously operated as a piano factory. Numerous bricks are present due to demolition of building structure years ago. All larger debris will be removed prior to shipment.

Generating Process: Excavation of site previously housing a piano factory.

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazards support information, data and comments.

See attached analytical reports
Normal precautions for minor solvent contamination

J. Shipping Information

DOT Hazardous Material ☒ H
Proper Shipping Name RQ Hazardous Waste Substance DOT ID. No. ☒ UN 9188
and Class ORM-E
Anticipated Volume Drum / Gal 500 ☒ Yds ☐ lbs ☐ Bulk ☐ Rail
Container Size 30 cubic yards Container Type Dump trailer
Per ☒ One time ☐ Week ☐ Month ☐ Year ☐ Other

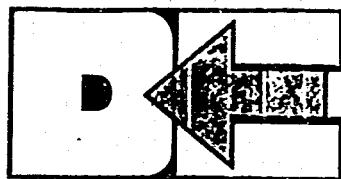
K. Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed, I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Yury Karpenko 2. YURY KARPENKO
Generator's Signature Name (Type or Print)
3. MARCH 12, 1990 4. Ass. Residential Engineer
Date Title

L. Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.



DIRECT ENVIRONMENTAL INC.

3/22/90

Marine Shale Processors, Inc.
110 James Drive West
Suite 120
ST. ROSE, La. 70087

Attn: Ms. Estelle Quijano

Dear Ms. Quijano:

Enclosed please find several pictures of the stockpiled material ofiled on the corresponding Data Sheet. Please review these pictures with your operations and let me know if there are any problems.

Also, please note the EPA I.D. number listed on the Data Sheet. I will call tomorrow (today) to discuss this project further. Thanks for your help.

Richard V. Taylor

COMPLETE HAZARDOUS WASTE SERVICE: EVALUATION / TRANSPORTATION / DISPOSAL

66-B Otis Street, West Babylon, N.Y. 11704 516 / 253-0900

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

For MSP Use Only 9001298

Approval Code _____

A. Generator Information

Generator Name U.S. Postal Service
Site Address 29th Street & 9th Avenue
City New York State NY Zip Code 10001
Generator Contact Yuriy KARPENKO
Title CSS Residential Engineer
Telephone No. (212) 330-2165 (6)
Facility EPA ID No. In Progress

B. Customer Information

Company Name Direct Environmental
Contact Richard Taylor
Address 66-B Otis Street
West Babylon, New York 11704
Telephone No. (516) 253-0900
For Customer Use

NYD986892490

C. Regulatory Information

☒ RCRA Regulated ☒ Land Ban ☐ Non Regulated EPA Waste Code(s) F002, F003, F005, D008

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%)

Soil	MIN	MAX
Bricks	70	80%
Wood & Debris	20	30%
Solvents: Ethylbenzene, Tetrachloroethane, Trichloroethene, toluene, zylene	5	10%
Lead	0	4000 ppm
	0	10 ppm

Common Name of Waste: Soil and debris contaminated with solvents

E. General Characteristics

Color: Brown
Odor: ☐ None ☒ Mild-very ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phase: ☒ Single Layer ☐ Double Layer ☐ Multi Layer

F. Specific Characteristics

Is the waste:
Radioactive? Y ☒ N ☒ Polymerizable? Y ☒ N ☒
Infectious? Y ☒ N ☒ Pyrophoric? Y ☒ N ☒
Water Reactive? Y ☒ N ☒ Explosive? Y ☒ N ☒

G. Physical/Chemical Properties

Air: ☒ 90-95 (list actual) (Wt %)
Water (Wt %): ☐ <1 ☐ 5-10 ☒ 1-5 if > 10
Specific Gravity: ☐ <0.8 ☒ 1.2-1.4 ☐ 1.0-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ 1.7
Viscosity (for bulk liquids only): list actual in centipoise _____ cp
Total Suspended Solids (Wt % for bulk liquids only): ☐ 5-20 ☐ > 20
pH: ☐ 7-6 ☒ 6-10 ☐ 10-12.5 ☐ <2 or > 12.5
BTUs per lb (list actual value): 0-500 list actual _____

Flash Point (closed cup): ☐ < 100°F ☒ 100-140°F ☐ 140-200°F ☒ > 200°F actual _____
Sulfur (Wt %): ☒ < 5 ☐ > 5 list actual value _____
Halogens (Wt %): ☐ <1 ☐ 1-5 ☐ 5-10 ☐ > 10 list actual Wt %
Fluorine: ☒ ☐ ☐
Bromine: ☒ ☐ ☐
Chlorine: ☒ ☐ ☐
Iodine: ☐ actual Wt % _____

As: EP Toxicity Test (MG/L)
Arsenic (As): 0-0.62
Barium (Ba): 0-0.021
Cadmium (Cd): 0-0.022
Chromium (Cr): 0-8.7
Lead (Pb): ND 0.0002
Mercury (Hg): ND 0.0002
Selenium (Se): ND 8.005
Silver (Ag): ND 0.0005
Copper (Cu): ND 0.0007
Nickel (Ni): ND 0.0002
Zinc (Zn): ND 0.0002
Organics (ppm):
Endrin: ND 0.0001
Dieldrin: ND 0.0005
Methoxychlor: ND 0.0007
Toxaphene: ND 0.0002
2,4 D: ND 0.0002
2,4,5 T (Silvex): ND 0.0002
If material contains the following compounds, indicate actual ppm:
PCB: NONE
Cyanides: 0-13 ppm
Sulfides: ND
Dioxin: ND

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H: Notes, Additional Information or Special Handling Instructions

Material consists of soil and rubble from a site previously operated as a piano factory. Numerous bricks are present due to demolition of building structure years ago. All larger debris will be removed prior to shipment.

Generating Process: Excavation of site previously housing a piano factory.

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

See attached analytical reports
-Normal precautions for minor solvent contamination

J. Shipping Information

DOT Hazardous Material ☒ N
Proper Shipping Name RQ Hazardous Waste Substance DOT ID. No. ☒ UN 9188
Hazard Class ORM-E
Estimated Volume Drums 1 Gal 500 ☒ Yds ☒ Lbs ☐ Bulk ☐ Rail
Container Size 30 cubic yards Container Type Dump trailer
For ☒ One Time ☐ Week ☐ Month ☐ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed, I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Yury Karpenko
Generator's Signature

2. YURY KARPENKO
Name (Type or Print)

3. MARCH 12, 1990
Date

4. Ass. Residential Engineer
Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

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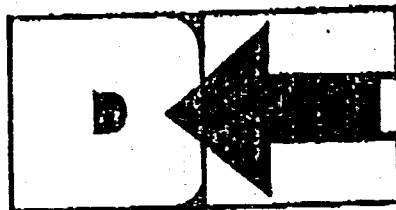
DIRECT-ENVIRONMENTAL TEL No. 516-253-0105

Mar. 30, 90 14:43 P.01

FAX TRANSMITTAL SHEET

DIRECT ENVIRONMENTAL, INC.

Complete "Hands-on"
Environmental Remediation
Contractor



TWO LOCATIONS

New Jersey:
290 Sanford Street
E. Orange, NJ 07018
(201) 677-1800
Fax (201) 675-5919

New York:
66-B Otis Street
W. Babylon, NY 11704
(516) 253-0900
Fax (516) 253-0105

DATE: 3/30/90 TIME: 1:45 pm E.S.T.
TO: MSP
ATTENTION: Estelle Quijano
FROM: Dick Taylor
NUMBER OF PAGES (INCLUDING COVER PAGE): 2

If any document is illegible or incomplete please telephone
our receptionist. Please Deliver these sheets as soon as
possible to the person for whose attention they are marked.

MESSAGE:

Attached please find a copy of
The first page of the USFS
Characterization Sheet with Mr.
Karpenko's signature. Mr. Karpenko
+ 1 n. EDA ID.

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

For MSP Use Only

Approval Code

OK to guide
1/10/87 3-30-76
hard copy due 4-2-76

9001298

A. Generator Information

Generator Name: U.S. Postal Service
Site Address: 29th Street & 9th Avenue
City: New York, NY 10001
Generator Contact: Yuri Karpenko
Title: Asst. Residential Engineer
Telephone No.: 330-2165 (6)
Facility EPA ID No.: NYD986892990

B. Customer Information

Company Name: Direct Environmental
Contact: Richard Taylor
Address: 66-B Otis Street
West Babylon, New York 11704
Telephone No.: (516) 253-0900
For Customer Use:

C. Regulatory Information

☒ RCRA Regulated ☒ Land Ban ☐ Non Regulated EPA Waste Code(s): F002, F003, F005, D000

D. Chemical Composition

NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.

	MIN	MAX
Soil	70	80%
Bricks	20	30%
Wood & Debris	5	10%
Solvents: Ethylbenzene, Tetrachloroethane, Trichloroethane, toluene, xylene	0	4000 ppm
Lead	0	10 ppm

Common Name of Waste: Soil and debris contaminated with solvents

E. General Characteristics

Color: Brown
Odor: ☒ None ☒ Mild-very ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phase: ☒ Single Layer ☐ Double Layer ☐ Multi Layer

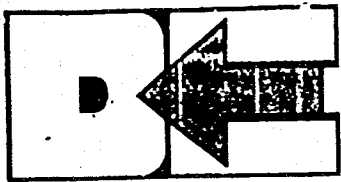
F. Specific Characteristics

Is the waste:

Radioactive	Y	☒ N	Polymerizable	Y	☒ N
Infectious	Y	☒ N	Pyrophoric	Y	☒ N
Water Reactive	Y	☒ N	Explosive	Y	☒ N

G. Physical/Chemical Properties

Acid (actual wt %)	Water (wt %)	Specific Gravity	Viscosity	Total Suspended Solids	pH
50-95	☐ <1 ☐ 5-10	☐ <0.8 ☒ 1.2-1.3	(for bulk liquids only)	(wt % for bulk liquids only)	☐ 12-14 ☒ 6-10
BTU's per lb	☒ 1-3 ☐ >10	☐ 0.8-1.0 ☐ 1.4-1.7	list actual in centipoise	☐ 5-20	☐ 10-12.5
(list actual value)	list actual	☐ 1.0-1.2 ☐ >1.7	list actual	list actual	list actual
Flash Point (closed cup)	Sulfur (wt %)	Halogens (wt %)	Organics (ppm)	If material contains the following compounds, indicate actual ppm:	
☐ <100°F ☒ >200°F	☒ <5	☐ Iodine ☒ <1	Endrin ND 0.0001	PCB NONE	
☐ 100-140°F ☐ actual	list actual value	☐ Bromine ☒ <1	Linobone ND 0.00005	Cyanides 0-13 ppm	
☐ 140-200°F		☐ Chlorine ☒ <1	Methoxychlor ND 0.0007	Solides ND	
		☐ Fluorine ☐ actual wt %	Toxaphene ND 0.0002	Dioxin	
Molten EP Toxicity Test (H ₂ O/L)	Selenium (Se) NB 8.005		2,4-D ND 0.0002		
Arsenic (As) 0-0.51	Silver (Ag)		2,4,6-TCP ND 0.0002		
Barium (Ba)	Copper (Cu)				
Cadmium (Cd) 0-0.022	Nickel (Ni)				
Chromium (Cr) 0-8.7	Zinc (Zn)				
Lead (Pb)					



DIRECT ENVIRONMENTAL INC.

March 29, 1990

Marine Shale Processors
110 James Drive West
Suite 120
St Rose, LA 70087

Attention: Ms. Estelle Quijano

RE: USPS Site
Manhattan, New York

Dear Ms. Quijano:

In reference to the waste material profiled on the attached Materials Characterization Data Sheet, please be advised that the material is being screened on site prior to shipment to remove all large pieces of debris and concrete. Some smaller pieces of brick may still be in the waste material upon arrival at your site. The accompanying pictures are representative of the waste to be shipped.

Please finish processing the corresponding waste approval as soon as possible. It is imperative that we ship this waste sometime next week. Please call if you have further questions concerning this approval.

Sincerely,

Direct Environmental Inc.

Richard V. Taylor
Richard V. Taylor
General Manager
New York Division

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DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE
MANIFEST 013915

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

Form Approved OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. LA210100000631 / 081000		2. Page 1 of 1		Information in the shaded areas is not required by Federal law	
3. Generator's Name and Mailing Address DRUG ENFORCEMENT ADMINISTRATION 3010 N. 3RD ST. SUITE 301 PHOENIX AZ 85012				A. State Manifest Document Number			
4. Generator's Phone (602) 640-5700				B. State Generator's ID			
5. Transporter 1 Company Name Disposal Control Service				C. State Transporter's ID			
6. US EPA ID Number LA210191811675432				D. Transporter's Phone (602) 283-0999			
7. Transporter 2 Company Name				E. State Transporter's ID			
8. US EPA ID Number				F. Transporter's Phone			
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380				G. State Facility's ID			
10. US EPA ID Number LA09081057706				H. Facility's Phone (504) 631-3161			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	14. Unit Vol.
a. WASTE FINISHABLE SOLID N.O.S. (5001)				No.	Type		Waste No.
b. HAZARDOUS WASTE LIQUID N.O.S. ORM-E NA 2181 (EN)				6101	DRUM	1	55 GAL
				6111	DRUM	1	55 GAL
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above			
a) DCS/DEAZ/9001813/LP				RECYCLE / REUSE			
b) DCS/DEAZ/9001813/LP							
15. Special Handling Instructions and Additional Information							
IF UNABLE TO DELIVER, RETURN TO GENERATOR appropriate personal protective equipment							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Kevin Carter on behalf of DEA				Signature Kevin Carter on behalf of DEA			
17. Transporter 1 Acknowledgement of Receipt of Materials				Month Day Year 05/14/90			
Printed/Typed Name Paul W. Ebersole				Signature Paul W. Ebersole			
18. Transporter 2 Acknowledgement of Receipt of Materials				Month Day Year 05/14/90			
Printed/Typed Name James Lawrence				Signature James Lawrence			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Jeanie Labrascie				Signature Jeanie Labrascie			
				Month Day Year 05/14/90			

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

APR 03 1990

For MSP Use Only

9001813

Approval Code

AVONDALE U-HAUL

A. Generator Information

Generator Name DRUG ENFORCEMENT ADMINISTRATION
Site Address 3010 N 2ND STREET, SUITE 301
City PHOENIX State AZ Zip Code 85012
Generator Contact MR. KEVIN CARVER
Title AGENT
Telephone No. (602) 640-5700
Facility EPA ID No. AZP000006314

B. Customer Information

Company Name DISPOSAL CONTROL SERVICE
Contact CYNTHIA CLOWES
Address 888 WILLIAMS
PHOENIX ARIZONA 85018
Telephone No. (602) 268-0999
For Customer Use

C. Regulatory Information

☒ RCRA Regulated

☐ Land Ban

☐ Non-Regulated

EPA Waste Code(s) (SEE INVENTORY SHEET)

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%)

	MIN	MAX
<u>LAB PACKS</u>		<u>100</u>
<u>(SEE ATTACHED INVENTORY SHEETS)</u>		

Common Name of Waste: LAB PACKS

E. General Characteristics

Color: _____
Odor: ☐ None ☐ Mild ☐ Strong
☐ Liquid ☐ Sludge ☐ Solid ☐ Powder
Phases: ☐ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:
Radioactive? Y ☒ N ☐ Polymerizable? Y ☐ N ☒
Infectious? Y ☒ N ☐ Pyrophoric? Y ☐ N ☒
Water Reactive? Y ☒ N ☐ Explosive? Y ☐ N ☒

G. Physical/Chemical Properties

Ash (list actual Wt %) _____ Water (Wt %) ☐ < 1 ☐ 5-10
BTU's per lb (list actual value) _____ if > 10
Specific Gravity ☐ < 0.8 ☐ 1.2-1.4
☐ 0.8-1.0 ☐ 1.4-1.7
list actual _____ list actual _____
Viscosity (for bulk liquids only) _____
list actual in centipoise _____
Total Suspended Solids (Wt % for bulk liquids only) ☐ 5-20
if > 20 _____
pH ☐ 2-6 ☐ 6-10
☐ 10-12.5
if < 2 or > 12.5
list actual _____
Flash Point (closed cup) _____
☐ < 100°F ☐ > 200°F
☐ 100°-140°F ☐ _____°F
☐ 140°-200°F actual _____
Sulfur (Wt %) ☐ < 5
if > 5 list actual value _____
Halogens (Wt %) ☐ 5-10
☐ Chlorine ☐ _____
☐ Fluorine actual _____
If material contains the following compounds, indicate actual ppm:
PCB _____
Cyanides _____
Sulfides _____
Dioxin _____

Metals: EP Toxicity Test (MG/L)

Arsenic (As) _____ Selenium (Se) _____
Barium (Ba) _____ Silver (Ag) _____
Cadmium (Cd) _____ Copper (Cu) _____
Chromium (Cr) _____ Nickel (Ni) _____
Lead (Pb) _____ Zinc (Zn) _____
Mercury (Hg) _____

Organics (ppm)

Endrin _____
Lindane _____
Methoxychlor _____
Toxaphene _____
2,4 D _____
2,4,5-TP (Silvex) _____

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DISPOSAL CONTROL SERVICE, INC.

888 W. ILINI STREET, PHOENIX, ARIZONA 85041
(602) 268-0779 WATTS (800) 433-4981 (AZ Only)

Date: MARCH 13, 1990

I am an authorized employee of Disposal Control Service, Inc., the company preparing the Lab Packs for_____. I hereby certify that the Lab Packs represented by this Material Characterization Data Sheet and Lab Pack Packing Lists are prepared and shipped in full compliance with the Marine Shale Processors, Inc. Lab Pack Guidelines.

Respectfully,

C. Miller
Disposal Control Service, Inc.

Re: LAB PACKS
AVONDALE U-HAUL

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE
MANIFEST 014500

Use print or type. (Form designed for use on site (12-pitch) typewriter.)

Form Approved OMB No. 2050-0038, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. IN 411701023499122901	2. Page 1 of 1	3. Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address NAVAL AVIONICS CENTER 6000 EAST 21ST STREET INDIANAPOLIS, IN 46219		4. Generator's Phone (317) 351-4925	A. State Manifest Document Number and Generator's Name	
5. Transporter 1 Company Name MIDWEST ENVIRONMENTAL TRANSPORT INC.		6. US EPA ID Number 01119812603946	B. State Generator's ID Number	
7. Transporter 2 Company Name		8. US EPA ID Number	C. State Transporter's ID Number	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number LA D981057706	D. State Facility's ID Number	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ HAZARDOUS WASTE LIQUID NOS ORMB NA9189 (F003, F005) (TOLUENE ACETONE)		12. Containers No. Type 104 DRUM 1 RIDD G	13. Total Quantity	14. Unit Wt/Vol
15. Special Handling Instructions and Additional Information Contact J. MABARAK or office of the day Emergency Response Contact 317-353-3105		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are truly and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name William T. McIntyre		18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Cliff Berchtold		
19. Discrepancy Indication Space		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name NAPLAMON		

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC. FEB 12 1990
110 James Drive West, Suite 120
St. Rose, LA 70087
504 465-3310

9000693

For MSP Use Only

Approval Code

A. General Information

Company Name NAVAL AVIONICS CTR
Address 0000 E. 21ST ST
City INDIANAPOLIS State IN Zip Code 46219
Generator Contact JIM MABALAK
Title ENV. MGR
Telephone No. (317) 351 4925
Facility EPA ID No. INH170023499

B. Customer Information

Company Name ETSS OF OHIO
Contact BILL BARON
Address P.O. BOX 31
TIPP CITY, OH 45371
Telephone No. (513) 845 3912
For Customer Use

C. Regulatory Information

☒ RCRA Regulated

☒ Land Ban

☐ Non-Regulated

EPA Waste Code(s) F003 F005

D. Chemical Composition

PRO TRADING NAMES - Samples must not exceed 20%. Total in maximum column must be greater than or equal to 100%.

	MIN	MAX
<u>BAKING ENAMEL SLUDGE</u>	<u>50</u>	<u>60</u>
<u>FLOOR DRY</u>	<u>20</u>	<u>30</u>
<u>WATER</u>	<u>5</u>	<u>9</u>
<u>SPENT SOLVENTS (MEK, TOLUENE, ACETONE)</u>	<u>105</u>	<u>2</u>

Common name of waste: PAINT BOOTH SLUDGE CLEANOUT

E. General Characteristics

Color GREY
Odor: ☐ None ☒ Mild ☐ Strong
☐ Liquid ☒ Sludge ☐ Solid ☐ Powder
Phase: ☐ Single Layer ☒ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:
Radioactive? Y ☒ N ☐ Polymerizable? Y ☒ N ☐
Infectious? Y ☒ N ☐ Pyrophoric? Y ☒ N ☐
Water Reactive? Y ☒ N ☐ Explosive? Y ☒ N ☐

G. Physical/Chemical Properties

Ash (list actual Wt %) 22.25 Water (Wt %) 5-10 Specific Gravity 1.0-1.2 Viscosity (for bulk liquids only) 100-200 pH 2-6
BTU's per lb (list actual value) 4100 ☐ 1-5 ☐ if > 10 ☐ 0.8-1.0 ☐ 1.4-1.7 ☐ 0.1-1.2 ☐ > 1.7 ☐ 5-20 ☐ if > 20 ☐ 10-12.5 ☐ if < 2 or > 12.5
list actual _____ list actual _____ cp list actual 30 list actual _____

Flash Point (closed cup) < 100°F Sulfur (Wt %) < 5 Halogens (Wt %) < 1 1-5 5-10 if > 10 list actual Wt %
☐ < 100°F ☐ > 200°F ☒ 100-140°F ☐ actual °F ☐ if > 5 list actual value ☐ Iodine ☒ ☐ ☐ ☐
☐ 140-200°F ☐ actual ☐ Bromine ☒ ☐ ☐ ☐
☐ actual ☐ Chlorine ☒ ☐ ☐ ☐
☐ actual ☐ Fluorine ☐ actual Wt %

Metal: EP Toxicity Test (MQL)

Arsenic (As) 2.01 Selenium (Se) 2.01
Barium (Ba) 12 Silver (Ag) 2.02
Cadmium (Cd) 2 Copper (Cu) 2.2
Chromium (Cr) 7-15 Nickel (Ni) < 1
Lead (Pb) 2-5 Zinc (Zn) < 10
Mercury (Hg) 2.01

Organics (ppm)

Endrin 0 If material contains the following compounds, indicate actual ppm:
Lindane 0 PCB 0
Methoxychlor 0 Cyanides 0
Toxaphene 0 Sulfides 0
2,4-D 0 Diaxins 0
2,4,5-TP (Silvex) 0

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST NO 905400

Base print or type. (Form designed for use on site (12-pin typewriter).)

Form Approved OMB No 2050-0039 Expires 8-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address		U.S. Postal Service Forbell Street Brooklyn, N.Y. 11208			
4. Generator's Phone (516) 674-3889					
5. Transporter 1 Company Name		6. US EPA ID Number			
Horwith Trucking		PA 064035819			
7. Transporter 2 Company Name		8. US EPA ID Number			
9. Designated Facility Name and Site Address		10. US EPA ID Number			
MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		LA 0981057706			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. RQ Flammable Solid, N.O.S. Flammable Solid UN 1325		No. Type			
		0 167 D M	187510	P	D001 P002 C005
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information		N.Y. Permit # PA-015			
Product Code: DENV/USBR/9002412					
IF UNABLE TO DELIVER, RETURN TO GENERATOR					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.					
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name		Signature		Month Day Year	
Richard J. Izzo				10/5/91	
17. Transporter 1 Acknowledgement of Receipt of Material		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
Ruben BRIGDONI		Ruben Brigdoni		10/5/91	
18. Transporter 2 Acknowledgement of Receipt of Material		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name		Signature		Month Day Year	
GINA EUSSET		Gina Eusset		10/5/91	

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.

110 James Drive West, Suite 120 MAY 03 1990

St. Rose, LA 70087

504-465-3310

9002412

For MSP Use Only

Approval Code _____

A. Generator Information

Generator Name U.S. Postal Service
Site Address Forbell Street
City Brooklyn State NY Zip Code 11208
Generator Contact Richard Izzo
Title Project Manager
Telephone No. (516) 674-3889
Facility EPA ID. No. NYD 982797987

B. Customer Information

Company Name Direct Environmental
Contact Richard V. Taylor
Address 66-B Otis Street
West Babylon, NY 11704
Telephone No. (516) 253-0900
For Customer Use _____

C. Regulatory Information

☒ RCRA Regulated☒ Land Ban☐ Non-RegulatedEPA Waste Code(s) F003, F005

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
<u>Crushed Partially Filled drums</u>	<u>40</u>	<u>50</u>
<u>Residual Paint Pigments</u>	<u>40</u>	<u>50</u>
<u>Entrapped Soil</u>	<u>10</u>	<u>20</u>

Common Name of Waste: Crushed drums containing paint pigments

E. General Characteristics

Color: Varies
Odor: ☐ None ☒ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	☒ N	Polymerizable?	Y	☒ N
Infectious?	Y	☒ N	Pyrophoric?	Y	☒ N
Water Reactive?	Y	☒ N	Explosive?	Y	☒ N

G. Physical/Chemical Properties

Ash (list actual Wt %)	Water (Wt %)	Specific Gravity	Viscosity	Total Suspended Solids	pH
<u>> 80%</u>	☐ < 1 ☐ 5-10	☐ < 0.8 ☒ 1.2-1.4	(for bulk liquids only)	(Wt % for bulk liquids only)	☐ 2-6 ☐ 6-10
BTU's per lb	☒ 1-5 ☐ > 10	☐ 0.8-1.0 ☐ 1.4-1.7	list actual in centipoise	☐ 5-20	☐ 10-12.5
(list actual value)		☐ 1.0-1.2 ☐ > 1.7		if > 20	if < 2 or > 12.5
<u>Negligible</u>	list actual	list actual	cp	list actual	list actual

Flash Point (closed cup)

☒ < 100°F ☐ > 200°F
☐ 100°-140°F ☐ _____°F
☐ 140°-200°F actual

Sulfur (Wt %)

☒ < 5
If > 5 list actual value _____

Halogens (Wt %)

< 1	1-5	5-10	if > 10 list actual Wt %
Iodine	☒ X	☐ ☐	
Bromine	☒ X	☐ ☐	
Chlorine	☒ X	☐ ☐	
Fluorine	<u>N/S</u>	actual	Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As) < 0.005
Barium (Ba) 0.11
Cadmium (Cd) 0.002
Chromium (Cr) 0.03
Lead (Pb) 0.32
Mercury (Hg) < 0.001

Selenium (Se) < 0.005
Silver (Ag) < 0.01
Copper (Cu) N/S
Nickel (Ni) N/S
Zinc (Zn) N/S

Organics (ppm)

Endrin N/S
Lindane N/S
Methoxychlor N/S
Toxaphene N/S
2,4-D N/S
2,4,5 TP (Silvex) N/S

If material contains the following compounds, indicate actual ppm:

PCB 0.6 ppm
Cyanides 14 ppm
Sulfides < 2 ppm
Dioxin N/S

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ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. C900682/1

03/20/90

C.A. Rich Consultants, Inc.
404 Glen Cove Avenue
Sea Cliff, NY 11579

ATTN: Rich Izzo

SOURCE OF SAMPLE: Dematteis Site-Brooklyn (eptox metals)
COLLECTED BY: Client DATE COL'D: 03/01/90 RECEIVED: 03/02/90

SAMPLE: Solid sample, CD-1, composite drums

ANALYTICAL PARAMETERS

Arsenic as As	mg/L	<0.005
Barium as Ba	mg/L	0.11
Cadmium as Cd	mg/L	0.002
Chromium as Cr	mg/L	0.03
Lead as Pb	mg/L	0.32
Mercury as Hg	mg/L	<0.001
Selenium as Se	mg/L	<0.005
Silver as Ag	mg/L	<0.01

Flash Point	deg C	<or= 25
pH	units	6.9
Cyanide as CN	mg/Kg	14
Sulfide as S	mg/Kg	<2

ANALYTICAL PARAMETERS

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CC:

REMARKS: • Analysis performed on EP Extract according to
USEPA EP Toxicity procedure (40 CFR Part 261-Appen. II).

DIRECTOR

John R. [Signature]

100-

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ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. C900682/1

03/20/90

C.A. Rich Consultants, Inc.
404 Glen Cove Avenue
Sea Cliff, NY 11579

ATTN: Rich Izzo

SOURCE OF SAMPLE: Dematteis Site-Brooklyn
COLLECTED BY: Client DATE COL'D: 03/01/90 RECEIVED: 03/02/90

SAMPLE: Solid sample, CD-1, composite drums

ANALYTICAL PARAMETERS

Arochlor 1016	mg/Kg	<0.1
Arochlor 1221	mg/Kg	<0.1
Arochlor 1232	mg/Kg	<0.1
Arochlor 1242	mg/Kg	<0.1
Arochlor 1248	mg/Kg	<0.1
Arochlor 1254	mg/Kg	0.6
Arochlor 1260	mg/Kg	<0.1

ANALYTICAL PARAMETERS

CC:

REMARKS:

DIRECTOR

James R. Jones

rn=

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ECOTEST LABORATORIES, INC.**ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. C900682/2

03/20/90

C.A. Rich Consultants, Inc.
404 Glen Cove Avenue
Sea Cliff, NY 11579

ATTN: Rich Izzo

SOURCE OF SAMPLE: Dematteis Site-Brooklyn
COLLECTED BY: Client DATE COL'D: 03/01/90 RECEIVED: 03/02/90

SAMPLE: Water sample, CD-3

ANALYTICAL PARAMETERS

Chloromethane	ppm	<1
Bromomethane	ppm	<1
Dichlorodifluoromethane	ppm	<2
Vinyl Chloride	ppm	<1
Chloroethane	ppm	<1
Methylene Chloride	ppm	<1
Trichlorofluoromethane	ppm	<2
11 Dichloroethene	ppm	<1
12 Dichloroethene	ppm	<1
111 Trichloroethene	ppm	<1
Chloroform	ppm	<1
12 Dichloroethane	ppm	<1
111 Trichloroethane	ppm	<1
Carbon Tetrachloride	ppm	<1
Bromodichloromethane	ppm	<1
12 Dichloropropane	ppm	<1
13 Dichloropropene	ppm	<2
Trichloroethylene	ppm	<1
Chlorodibromomethane	ppm	<2
112 Trichloroethane	ppm	<2
13 Dichloropropene	ppm	<2
2chloroethvinylether	ppm	<2
Bromoform	ppm	<2
1122Tetrachloroethan	ppm	<2
Tetrachloroethene	ppm	<1

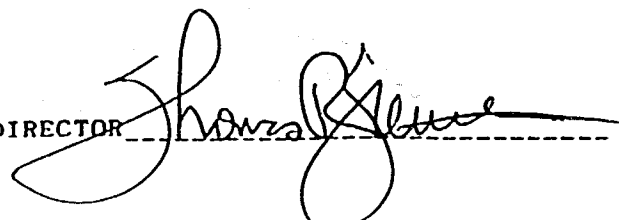
ANALYTICAL PARAMETERS

Chlorobenzene	ppm	<2
13 Dichlorobenzene	ppm	<2
12 Dichlorobenzene	ppm	<2
14 Dichlorobenzene	ppm	<2
Benzene	ppm	<1
Toluene	ppm	450
Ethyl Benzene	ppm	11000
m Xylene	ppm	8800
o+p Xylene	ppm	4900

cc:

REMARKS:

DIRECTOR

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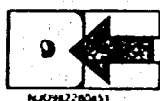
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DIRECT ENVIRONMENTAL INC

290 Sanford Street
East Orange, NJ 07018

66-B Otis St.

W. Babylon, NY 11704

(201) 677-1800 516-253-0900

Memo

LETTER

Date

5/2/90

Subject

USPS - Brooklyn
Overpack Drums

Marine Shale Processors

110 James Drive West

St. Rose, Louisiana 70087

Attn: Estelle Quijano

Attached please find a completed Characterization Sheet for some overpack drums from the USPS site in Brooklyn. I discussed this project and he indicated that we could probably deliver to the plant on the 10th or 11th. Please process this approval as soon as possible. Also note that we already have one code from this site; DENV/USBR/9002053 for bulk soil. Call if you have any questions,

☐ Please reply

☐ No reply necessary

SIGNED

Richard V. Taylor

RVT

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC. MAY 07 1990
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

For MSP Use Only

Approval Code

9002412

A. Generator Information

Generator Name U.S. Postal Service
Site Address Forbell Street
City Brooklyn State NY Zip Code 11208
Generator Contact Richard Izzo
Title Project Manager
Telephone No. (516) 674-3889
Facility EPA ID No. NYD 982797987

B. Customer Information

Company Name Direct Environmental
Contact Richard V. Taylor
Address 66-B OT's Street
West Babylon, NY 11704
Telephone No. (516) 253-0900
For Customer Use

C. Regulatory Information

☒ RCRA Regulated☒ Land Ban☐ Non Regulated

EPA Waste Code(s)

F003, F005, D001

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20% total in maximum column must be greater than or equal to 100%)

	MIN	MAX %
<u>Crushed Partially Filled Drums</u>	<u>40</u>	<u>50</u>
<u>Residual Paint Pigments</u>	<u>40</u>	<u>50</u>
<u>Entrapped Soil</u>	<u>10</u>	<u>20</u>
<u>Ethyl Benzene</u>	<u>0</u>	<u>2</u>
<u>m,p-xylene</u>	<u>0</u>	<u>2</u>
<u>Toluene</u>	<u>0</u>	<u>1</u>

Common Name of Waste: Crushed drums containing paint pigments

E. General Characteristics

Color: Varies
Odor: ☐ None ☒ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases ☒ Single Layer ☐ Double Layer ☐ Multi Layer

F. Specific Characteristics

Is the waste:

Radioactive? Y ☒ N ☐ Polymerizable? Y ☒ N ☐
Infectious? Y ☒ N ☐ Pyrophoric? Y ☒ N ☐
Water Reactive? Y ☒ N ☐ Explosive? Y ☒ N ☐

G. Physical/Chemical Properties

Ash (list actual Wt %) > 80% Water (Wt %) ☒ 1-5 ☐ 5-10
BTU's per lb (list actual value) Negligible ☒ 1-5 ☐ 5-10
Specific Gravity ☒ 1.0-1.2 ☐ 1.2-1.4
Viscosity (for liquids only) ☒ 1-10 ☐ 10-100
Total Suspended Solids (Wt % for liquids only) ☒ 1-20 ☐ 20-100
pH ☒ 11-12.5 ☐ 12.5-14

Flash Point (closed cup)

☒ < 100 F ☐ 100-140 F ☐ 140-200 F
actual

Sulfur (Wt %)

☒ < 5
if > 5 list actual value

Halogens (Wt %)

☒ < 1 ☐ 1-5 ☐ 5-10 ☐ > 10 list actual Wt %
Fluorine ☒ Chlorine ☒ Bromine ☒ Iodine
actual Wt %

Metals: EP Toxicity list (MG/L)

Arsenic (As) < 0.005
Barium (Ba) 0.11
Cadmium (Cd) 0.002
Chromium (Cr) 0.03
Lead (Pb) 0.32
Mercury (Hg) < 0.001

Selenium (Se) < 0.005
Silver (Ag) < 0.01
Copper (Cu) N/S
Nickel (Ni) N/S
Zinc (Zn) N/S

Organics (ppm)

Enthalpy N/S
Hexane N/S
Methoxychlor N/S
Toluene N/S
2,4-D N/S
2,4,5-TP (Silent) N/S

If material contains the following

compounds, indicate actual ppm:

PCB 0.6 ppm
Cyanides 14 ppm
Sulfides 42 ppm
Dioxin N/S

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H. Notes, Additional Information or Special Handling Instructions

Generating Process: EXCAVATION and removal of drums from back filled area.

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

See attached analytical

J. Shipping Information

DOT Hazardous Material ☒ Y ☐ N
Proper Shipping Name RQ Flammable Solid, n.o.s. DOT LD. No. (circle one) 1325
Hazard Class Flammable Solid RQ D001
Anticipated Volume 60 Drums Gd Yds lls 11 Bbls? 11 Roils?
Container Size 85 gallon overpacks Container Type Overpacks containing crushed drums
Per ☒ One time ☐ 1 Week ☐ 1 Month ☐ 1 Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed, I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. [Signature] 2. Richard S Izzo
Generator's Signature Name (Type or Print)

3. 5/2/90 4. Project Manager
Date Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.



DIRECT ENVIRONMENTAL INC.

May 4, 1990

Marine Shale Processors, Inc.
110 James Drive West, Suite 120
St. Rose, Louisiana 79987

Attention Ms. Estelle Quijano

Re: Profile #9002412
U.S.P.S.-Brooklyn, N.Y.

Dear Ms. Quijano;

Attached please find an amended characterization sheet for drums from the U.S. Postal Services site in Brookly, New York. This sheet was amended to reflect the presence of organic solvents in the waste. The additional E.P.A waste type of D001 was also added to reflect the ignitability of the waste. These modifications were approved by the generator, as indicated by his re-signing of the characterization sheet.

These changes should allow for the approval of this waste stream as quickly as possible. If there are any other questions, please do not hesitate to call.

Sincerely,

Direct Environmental Inc.

Richard V. Taylor

Richard V. Taylor
General Manager
New York Division

RVT/jb
enc.

COMPLETE HAZARDOUS WASTE SERVICE: EVALUATION / TRANSPORTATION / DISPOSAL

66-B Otis Street, West Babylon, N.Y. 11704 516 / 253-0900

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE
MANIFEST 010351

Use print or type. (Form designed for use on office (12-pitch) typewriter.)

Form Approved, OMB No. 2050-0031 (Expires 9-30-91)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address		4. Generator's Phone (619) 221-3332		5. Generator's Name and Mailing Address	
U.S. Postal Service, JMF attn John Barber		2535 Mioway Dr		San Diego, CA	
6. Transporter 1 Company Name		7. Transporter 2 Company Name		8. Transporter 3 Company Name	
James Murphy		Olesen Transportation			
9. Generator's US EPA ID Number		10. Transporter 1 US EPA ID Number		11. Transporter 2 US EPA ID Number	
LA 2118101091012151		CA 09925251024		CA 01018172102119	
12. Designated Facility Name and Site Address		13. Facility's US EPA ID Number		14. Facility's Name and Address	
MARINE SHALE PROCESSORS, INC.		HIGHWAY 90 EAST		MORGAN CITY, LOUISIANA 70380	
15. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		16. Containers		17. Total Quantity	
a. WASTE FLAMMABLE SOLID, N.O.S.		No. Type		Unit	
FLAMMABLE SOLID UN1325		0012 OM		019/1016 G	
b.					
c.					
d.					
18. Additional Descriptions for Materials Listed Above		19. Handling Codes for Wastes Listed Above		20. Special Handling Instructions and Additional Information	
RECYCLE / REUSE		FREE / REUSE / 100% REUSE		Respirator, gloves & goggles	
21. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.					
22. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS					
Printed/Typed Name		Signature		Month Day Year	
JOHN BARBER		[Signature]		10/31/90	
23. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS		24. TRANSPORTER 3 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS		25. FACILITY OWNER OR OPERATOR CERTIFICATION	
Printed/Typed Name		Signature		Month Day Year	
James Murphy		[Signature]		10/31/90	
Olesen Transportation		[Signature]		10/31/90	
26. Facility Owner or Operator Certification		27. Facility's US EPA ID Number		28. Facility's Name and Address	
Printed/Typed Name		Signature		Month Day Year	
GAIL BARBER		[Signature]		10/31/90	

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC. FEB 28 1990
110 James Drive West, Suite 120
St. Rose, LA 70087
504 465-3310

9001083

For MSP Use Only

Approval Code _____

A. General Information

Company Name U.S. Postal Service
Address 2535 Midway Dr
City San Diego State CA Zip Code 92199
Generator Contact John Barber
Title Plant Mgr
Telephone No. (619) 221-3232
Facility EPA ID. No. CA218009 0225

B. Customer Information

Company Name Enviro Serv
Contact FRED PELL
Address P.O. Box 2376
SEVILLA CA 91343
Telephone No. (818) 891-1495
For Customer Use _____

C. Regulatory Information

☐ RCRA Regulated ☐ Land Ban ☐ Non-Regulated EPA Waste Code(s) 0001

D. Chemical Composition

NO TRADE NAMES - Samples must not exceed 20% Total in maximum column must be greater than or equal to 100%

	MIN	MAX
<u>Paint Sludge & Thinner</u>		<u>100%</u>

Common name of waste:

E. General Characteristics

Color VARIED
Odor ☐ None ☒ Mild ☐ Strong
☐ Liquid ☒ Sludge ☐ Solid ☐ Powder
Phases ☐ Single Layer ☐ Double Layer ☒ Multi-Layer

F. Specific Characteristics

Is the waste:
Radioactive? Y ☒ N ☐ Polymerizable? Y ☒ N ☐
Infectious? Y ☒ N ☐ Pyrophoric? Y ☒ N ☐
Water Reactive? Y ☒ N ☐ Explosive? Y ☒ N ☐

G. Physical/Chemical Properties

Ash (by actual Wt %) 3 Water (Wt %) ☒ < 1 ☐ 5-10 Specific Gravity ☐ < 0.8 ☐ 1.2-1.4
BTU's per lb ☐ 1-5 ☒ > 10 ☐ 0.8-1.0 ☐ 1.4-1.7
(list actual value) 11000 list actual _____ list actual _____
Viscosity (for bulk liquids only) _____ cp
list actual in centipoise _____
Total Suspended Solids (Wt % for bulk liquids only) ☐ 5-20 ☒ > 20 pH ☐ 7-4 ☒ 6-10
if < 2 or > 12.5 _____
list actual _____ list actual _____

Flash Point (closed cup) ☐ < 100°F ☐ > 200°F ☒ 100°-140°F ☐ 140°-200°F actual _____
Sulfur (Wt %) ☒ < 5 ☐ > 5 list actual value _____
Halogens (Wt %) < 1 1-5 5-10 if > 10 list actual Wt %
☐ Iodine ☐ ☐ ☐
☐ Bromine ☐ ☐ ☐
☐ Chlorine ☐ ☐ ☐
☐ Fluorine _____ actual Wt %

Metals: EP Toxicity Test (MQL/L) all none suggested
Arsenic (As) nil Selenium (Se) nil
Barium (Ba) nil Silver (Ag) nil
Cadmium (Cd) nil Copper (Cu) nil
Chromium (Cr) nil Nickel (Ni) nil
Lead (Pb) nil Zinc (Zn) nil
Mercury (Hg) nil
Organics (ppm)
Endrin nil If material contains the following compounds, indicate actual ppm
Lindane nil PCBs nil
Methoxychlor nil Cyanides nil
Toxaphene nil Sulfides nil REACTIVE
2,4-D nil Dioxin nil
2,4,5-T (S2 res) nil

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 14307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST NO 915719

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

Form Approved OMB No 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. AZ 712059004027207		Manifest Document No. 001		2. Page 1 Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address USDA Agricultural Research Service 2000 E. Allen Rd. Tucson, AZ 85719				A. State Manifest Document Number			
4. Generator's Phone (602) 670-6481 Attn. Deborah Markotay				B. State Generator's ID			
5. Transporter 1 Company Name Chemical Disposal Co.				C. State Transporter's ID			
6. US EPA ID Number AZ T 050010008				D. Transporter's Phone 602-624-2348			
7. Transporter 2 Company Name				E. State Transporter's ID			
8. US EPA ID Number				F. Transporter's Phone			
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380				G. State Facility's ID			
10. US EPA ID Number LA D 981057706				H. Facility's Phone (504) 631-3161			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No Type		13. Total Quantity	
a. Waste Oxidizer, NOS, Oxidizer UN 1479				0, 0, 1 D, F		0, 0, 0, 0, 5 G	
b. Waste Poison Solid, NOS, Poison B UN 2811				0, 0, 1 D, F		0, 0, 0, 3, 0 G	
c. Waste Flammable Liquid, NOS, Flammable Liquid UN1993				0, 0, 1 D, F		0, 0, 0, 3, 0 G	
d.							
J. Additional Descriptions for Materials Listed Above a, b, c Packing lists enclosed on each drum ZTC/UDA-9000381				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Invoice: Zenitech Corp., 2030 N. Forbes Blvd., Suite 103 Tucson, AZ 85745 for treatment and disposal expenses. Technical Contact: Matt Stinchfield 602-798-1466. Avoid contact with material, wear proper personal protective equipment. IF UNABLE TO DELIVER, RETURN TO GENERATOR							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Deborah Markotay				Signature Deborah Markotay		Month Day Year 10 14 10 15 19 90	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name KIMOTH WYMAN				Signature Kimoth Wyman		Month Day Year 10 14 10 15 19 90	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year 04 05 1990	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name GINA BASSETT							
Signature Gina Bassett				Month Day Year 04 09 90			

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

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