

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code

CSXL/CSXL/8702285/LP/

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact.

Return this form with any attachments to: MARINE SHALE PROCESSORS, INC.
Post Office Box 1698
Kenner, LA 70063
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: CSX. LAUREL MD Telephone: (800) 638-4440 x.0000
Facility Address: 3527 WHISKEY BOTTOM ROAD USEPA ID: MDD980554653
LAUREL, MD 20707-0000

Name of Waste: LAB PACK Generating Process: *Detaching & Lab Cleaners*
Technical Contact: JILL BEALL JACK KEMER Title: MATERIALS ROUTING SUBV

B. CHANGES OR ADDITIONS SINCE LAST MCDS PREPARATION

1. Have you obtained any laboratory analysis of this waste? (If yes, attach results) ☐ yes ☒ no
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☒ no
3. Have you changed the waste generating process itself? ☐ yes ☒ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☒ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☒ no
6. If you answered "yes" to questions 2, 3, 4, or 5, please provide details below:

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW MCDS MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) *Varies*
Anticipated Volume: _____ Gals. _____ Cubic Yds. Other *10,000 lbs*
Per: ☐ One Time ☐ Week ☐ Month ☐ Quarter ☒ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertified waste profile sheet attached hereto, and the information supplied above, are complete, true and correct.

Name: *Sam Turnbull* Signature: *Sam Turnbull*
Title: *Sales* Date: *3/21/89*

US V. MSP
PRODUCED BY MSP 9/93
Box 1000
LAUREL, MD 20707-0000
WASTE MANAGEMENT
RECEIVED

MSD078

06131

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

MSP-025/87-0143

RECYCLE / REUSE

MANIFEST N° 75770

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

Form Approved OMB No 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No		Manifest Occurrence No		2 Page 1 of 1	
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road Laurel, MD 20707		4 Generator's Phone (301) 953-9583		5 Transporter 1 Company Name GSX Services, Inc.		6 US EPA ID Number MD 0980654663	
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	
11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		12 Containers No Type		13 Total Quantity		14 Unit Wt/Vol	
a. x Waste Cyanogen Bromide Poison B UN1889		(5) 0 1 D F		1 1 1 1 0		P	
b. x Waste Toluene Flammable Liquid UN1294		(5) 0 1 D M		1 1 1 1 0		P	
c. x Waste Xylene Flammable Liquid UN1307		(5) 0 1 D M		1 1 1 1 0		P	
d. x Waste Trichloroethylene ORM-A UN1710		(5) 0 1 D M		1 1 1 1 0		P	
15. Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0609 In case of an emergency contact: GSX Services, Inc. Driver #: 2908 HWH-015 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. Attn: Tom Pfaffman 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 Tom Pfaffman		Signature T. Pfaff		Month Day Year 09/15/87			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GORDON BOYD		Signature Gordon Boyd		Month Day Year 09/15/87			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space DEQ020608							
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Ellen Mula							
Signature Ellen Mula		Month Day Year 09/11/87					

EPA Form 700-22 Rev. 9-84. Circular REG. Green Generation and Recycling Act

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US V. MSP
PRODUCED BY MSP 9/83
Box 12502
UNIFORM HAZARDOUS WASTE MANIFESTS

MSD078

0614

F

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

8722857AUC 26 87

SALES (504) 465-3310

PLANT (504) 631-3626

MSP CODE: _____

872285

Generator Name GSX Services INC.
 Facility Address 3527 Whiskey Bottom Rd.
LAUREL, MD 20707

City, State, Zip _____
 Technical Contact JACK KEHOE
 Title Routing Supervisor
 Telephone NO. (301) 953-9583 EXT: _____
 Facility EPA ID # ADD980554653

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

SEE ATTACHED SHEETS	%
SEE ATTACHED SHEETS	%
SEE ATTACHED SHEETS	%
SEE ATTACHED SHEETS	%
SEE ATTACHED SHEETS	%
SEE ATTACHED SHEETS	%

METALS (EP Toxicity Test, mg/l)

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

INORGANICS (mg/l or ppm)

Total CN	SEE ATTACHED SHEETS	Iodine	
Free CN		Asbestos	0
Sulfide			
Chloride			
Bisulfite			
Sulfite			
Sulfate			
Phosphate			
Flourine			
Bromine			
Chlorine			

ORGANICS (mg/l or ppm)

Endrin	SEE ATTACHED SHEETS	Organohalides	
Methoxychlor		Mercaptans	
Toxaphene			
2, 4-D			
2, 4, 5-T	0		
Phenol(s)			
PCBs	0		
Dioxin	0		
TOC			

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 of composition or properties 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 August 25, 1987 GENERATOR'S SIGNATURE: John H. Kehoe
 MSP FORM 1040 REV. 1/86/87 MFH 10025 DEQ020609

Bill To: GSX Services INC.
 Company Contact: JACK KEHOE
 Container Size: Varies
 EPA Waste No. SEE ATTACHED SHEETS
 Generating Process Packaging of Lab Chemicals
 Common Name of Waste Packaged Lab Chemicals
 Rate of Generation _____ PER _____
 Volume in Storage _____ IN _____
 Is Waste DOT Hazardous YES NO
 Proper DOT Shipping Name SEE ATTACHED SHEETS
 Hazard Class _____ ID No. SEE ATTACHED SHEETS
 Transportation Equipment SEE ATTACHED SHEETS
 Placarding SEE ATTACHED SHEETS

PHYSICAL DESCRIPTION SEE ATTACHED SHEETS

Physical State ☐ Liquid ☐ Semi-solid ☐ Solid
 Phases/Layering ☐ Uni-Layer ☐ Bilayer ☐ Multilayer
 Viscosity ☐ High ☐ Medium ☐ Low
 Type of Solids ☐ Organic ☐ Inorganic ☐ Mixed
 Total Solids (wt. %) _____ Suspended Solids (wt. %) _____
 BTU/B _____ % Ash Content _____ % Water (by weight) _____
 Flash Point (°F) _____ Type SEE ATTACHED SHEETS
 Specific Gravity SEE ATTACHED SHEETS
 Boiling Point (°C) _____ Freezing Point (°C) _____
 Vapor Pressure (mm Hg @ 24°C) SEE ATTACHED SHEETS
 pH (Avg) _____ (Range) _____ to _____
 Total Alkalinity/Acidity (%) SEE ATTACHED SHEETS
 Odor SEE ATTACHED SHEETS
 Color SEE ATTACHED SHEETS

HAZARDOUS PROPERTIES SEE ATTACHED SHEETS

☐ Water Reactive ☐ Reactive ☐ Explosive
☐ Shock Sensitive ☐ Pyrophoric ☐ Polymizable
☐ Radioactive ☐ Pesticide Residuals ☐ Ignitable
☐ Corrosive ☐ Toxic Vapor ☐ Pathogen
☐ Biological ☐ Etiological
☐ Other _____

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

SEE ATTACHED SHEETS

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

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

U.S. V. MSP
 PRODUCED BY: MSP 9/93
 RELEASED
 Box 4, LSC 2, Room 4, LSC
 WASTE MANAGEMENT
 DIVISION

MSD078

0615

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RECERTIFICATION OF
MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code

CSXL/CSXL/8702285/LP/

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact.

Return this form with any attachments to: **MARINE SHALE PROCESSORS, INC.**
Post Office Box 1698
Kenner, LA 70063
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: CSX. LAUREL MD Telephone: (800) 638-1410 x.0000
Facility Address: 3527 WHISKEY BOTTOM ROAD USEPA ID: 888980554653
LAUREL, MD 20707-0000
Name of Waste: LAB PACK Generating Process: Processing of Lab Materials
Technical Contact: JILL BEALL JACK KENOE Title: MATERIALS ROUTING SUPERVISOR

B. CHANGES OR ADDITIONS SINCE LAST MCDS PREPARATION

1. Have you obtained any laboratory analysis of this waste? (If yes, attach results) ☐ yes ☒ no
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☒ no
3. Have you changed the waste generating process itself? ☐ yes ☒ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☒ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☒ no
6. If you answered "yes" to questions 2, 3, 4, or 5, please provide details below:

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW MCDS MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) Varies
Anticipated Volume: _____ Gals. _____ Cubic Yds. _____ Other 10,000 lbs
Per: ☐ One Time ☐ Week ☐ Month ☐ Quarter ☒ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertified waste profile sheet attached hereto, and the information supplied above, are complete, true and correct.

Name: Sam Turnbull Signature: Sam Turnbull
Title: Sales Date: 3/21/89

U.S. V. MSP
PRODUCED BY: MSP 9/83
Box 1, DEPT. 2, ROOM 200, A-111
UNIVERSITY MICROFILMS
SERIALS ACQUISITION
300 N. ZEEB RD.
ANN ARBOR, MI 48106-1500

MSD078

0616

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

MSP-025/87-0143

RECYCLE / REUSE

MANIFEST N° 75770

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

Form Approved OMB No. 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No		Manifest Document No		2 Page 1 Information in the shaded areas is not required by Federal law	
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road Laurel, MD 20707		4 Generator's Phone (301) 953-9583		5 Transporter 1 Company Name GSX Services, Inc.		6 US EPA ID Number MD 098056A663	
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	
11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		12 Containers No Type		13 Total Quantity		14 Unit Wt/Vol	
a x Waste Cyanogen Bromide Poison B UN1889		(5) 0 1 D F		1 1 1 0		P 1248	
b x Waste Toluene Flammable Liquid UN1294		(5) 1 0 1 D M		1 1 1 0		P 2005	
c x Waste Xylene Flammable Liquid UN1307		(5) 1 0 1 D M		1 1 1 0		P 2000	
d x Waste Trichloroethylene ORM-A UN1710		(5) 1 0 1 D M		1 1 1 0		P 0225	
15 Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0609 Driver #: 2908 HWH-015 In case of an emergency contact: GSX Services, Inc. 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. Attn: Tom Pfaffman 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 Tom Pfaffman				Signature <i>T. Pfaff</i>		Month Day Year 09/15/87	
17 Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GORDON BOYD				Signature <i>Gordon Boyd</i>		Month Day Year 09/15/87	
18 Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19 Discrepancy Indication Space DE0020611							
20 Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Ellen Mula							
Signature <i>Ellen Mula</i>				Month Day Year 09/17/87			

EPA Form 400-202 Rev 4-84 OMB No. 2050-0039 Green Generator's 2nd Year Generator's 3rd Year Generator's 4th Year Generator's 5th Year

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U.S. V. MSP
PRODUCED BY MSP 9/93
Box 12502
UNIFORM HAZARDOUS WASTE MANIFESTS

MSD078

0617

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

RECYCLE / REUSE

MANIFEST NO 75773

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

MSP-025/87-0143

Form Approved OMB No. 2050-0039 Expires 9-30-84

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M D D 9 8 0 5 5 4 6 5 3 1 0 0 7 2 5		2. Page X of 16		Information in the shaded areas is not required by Federal law	
3. Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707							
4. Generator's Phone (301) 953-9583							
5. Transporter 1 Company Name GSX Services, Inc.							
6. US EPA ID Number M D D 9 8 0 5 5 4 6 5 3							
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 L A D 9 8 1 0 5 7 7 0 8							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM							
12. Containers							
13. Total Quantity							
14. Unit Wt/Vol							
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. Transporter 1 Acknowledgement of Receipt of Materials							
18. Transporter 2 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.							

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

US V. MSP
PRODUCED BY MSP 9/93
Box 1000
LAUREL, MD 20707
WASTE MANIFESTS

MSD078

0618

F

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

U.S. MSP
PRODUCED BY MSP 9/93
Box 1250
WASTE MANAGEMENT
MSD078

MSD078

0619

MATERIALS CHARACTERIZATION DATA SHEET

872285 AUG 26 87

SALES (504) 465-3310
PLANT (504) 631-3626

MSP CODE: _____

872285

Generator Name GSX Services INC.
Facility Address 3527 Whiskey Bottom Rd.
LAUREL MD 20707

City, State, Zip _____
Technical Contact JACK KEHOE
Title Routing Supervisor
Telephone NO. (301) 953-9583 EXT: _____
Facility EPA ID # MD0980554653

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

SEE ATTACHED SHEETS	%
	%
	%
	%
	%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	SEE ATTACHED SHEETS
Barium (Ba)	Copper (Cu)
Cadmium (Cd)	Nickel (Ni)
Chromium (Cr)	Zinc (Zn)
Lead (Pb)	
Mercury (Hg)	
Selenium (Se)	

INORGANICS (mg/l or ppm)

Total CN	SEE ATTACHED SHEETS	
Free CN	Asbestos	0
Sulfide		
Chloride		
Bisulfite		
Sulfite		
Sulfate		
Phosphate		
Fluorine		
Bromine		
Chlorine		

ORGANICS (mg/l or ppm)

Endr in	SEE ATTACHED SHEETS
Methoxychlor	Organohalide
Toxaphene	Mercaptans
2,4-D	
2,4,5-T	0
Phenolics	
PCBs	0
Dioxin	0
TOC	

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 of composition or properties 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 August 25, 1987

GENERATOR'S SIGNATURE: _____

MSP FORM 1040 (REV. 1/84)

MFH 10025

DEQ020613

Bill To: GSX Services INC.
Company Contact: JACK KEHOE
Container Size: Varies
EPA Waste No. SEE ATTACHED SHEETS
Generating Process Packaging of Lab Chemicals
Common Name of Waste Packaged Lab Chemicals
Rate of Generation _____ PER _____
Volume in Storage _____ IN _____
Is Waste DOT Hazardous YES NO
Proper DOT Shipping Name SEE ATTACHED SHEETS
Hazard Class _____ ID No. SEE ATTACHED SHEETS
Transportation Equipment SEE ATTACHED SHEETS
Placarding SEE ATTACHED SHEETS

PHYSICAL DESCRIPTION SEE ATTACHED SHEETS

Physical State ☐ Liquid ☐ Semi-solid ☐ Solid
Phases/Layering ☐ Uni-Layer ☐ Bilayer ☐ Multilayer
Viscosity ☐ High ☐ Medium ☐ Low
Type of Solids ☐ Organic ☐ Inorganic ☐ Mixed
Total Solids (wt. %) _____ Suspended Solids (wt. %) _____
BTU/lb _____ % Ash Content _____ % Water (by weight) _____
Flash Point (°F) _____ Type SEE ATTACHED SHEETS
Specific Gravity SEE ATTACHED SHEETS
Boiling Point (°C) _____ Freezing Point (°C) _____
Vapor Pressure (mm Hg @ 24°C) SEE ATTACHED SHEETS
pH (Avg) _____ (Range) _____ to _____
Total Alkalinity/Acidity (%) SEE ATTACHED SHEETS
Odor SEE ATTACHED SHEETS
Color SEE ATTACHED SHEETS

HAZARDOUS PROPERTIES SEE ATTACHED SHEETS

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

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

SEE ATTACHED SHEETS

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

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RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code

CSXL/CSXL/8702285/LP/

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact.

Return this form with any attachments to: MARINE SHALE PROCESSORS, INC.
Post Office Box 1698
Kenner, LA 70063
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: CSX. LAUREL ND Telephone: (800) 638-4440 x.0000
Facility Address: 3527 WHISKEY BOTTOM ROAD USEPA ID: RDD980554653
LAUREL, ND 58047-0000

Name of Waste: LAB PACK
Technical Contact: JILL BEALL JACK KENDR

Generating Process: Packaging of Lab. in. ds
Title: MATERIALS ROUTING SUBV

B. CHANGES OR ADDITIONS SINCE LAST MCDS PREPARATION

1. Have you obtained any laboratory analysis of this waste? (If yes, attach results) ☐ yes ☒ no
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☒ no
3. Have you changed the waste generating process itself? ☐ yes ☒ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☒ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☒ no
6. If you answered "yes" to questions 2, 3, 4, or 5, please provide details below:

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW MCDS MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) Varies
Anticipated Volume: _____ Gals. _____ Cubic Yds. _____ Other 10,000 lbs
Per: ☐ One Time ☐ Week ☐ Month ☐ Quarter ☒ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertified waste profile sheet attached hereto, and the information supplied above, are complete, true and correct.

Name: Sam Turnbull
Title: Sales

Signature: Sam Turnbull
Date: 3/21/89

US V. MSP
PRODUCED BY MSP 9/93
Box 1, DEPT 2, ROBERTSON
WASTE MARINE TESTS

MSD078

0620

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

RECYCLE / REUSE
MANIFEST No 75773

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

MSP-025/87-0143

Form Approved OMB No 2050-0029 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No M D O 9 8 0 5 5 4 6 5 3 1 0 0 2 1 5		2. Page X of 16 Information in the shaded areas is not required by Federal law	
3. Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707				4. State Generator's ID	
4. Generator's Phone (301) 953-9583				5. State Generator's ID	
5. Transporter 1 Company Name GSX Services, Inc.		6. US EPA ID Number M D O 9 8 0 5 5 4 6 5 3		7. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		9. State Transporter's ID	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380				10. State Facility's ID LA D 9 8 1 0 5 7 7 0 6	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM				12. Containers No Type	
a. x Waste Bromine Corrosive Material UN1744 (5)				13. Total Quantity 10 P	
b. x Waste Formaldehyde Solution ORM-A UN1198 (5)				14. Unit 10 P	
c. x Combustible Liquid, NOS Combustible Liquid NA1993 (5)				15. Unit 210 P	
d. RQ Hazardous Waste Liquid, NOS ORM-E NA9189 (5) (RQ- Hexachlorophene)				16. Unit 20 P	
15. Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0609 Driver # 2908 HWH-015 In case of an emergency contact: GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. ATtn: Tom Pfaffman 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 Tom Pfaffman		Signature Tom Pfaffman		Month Day Year 09/15/87	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Gordon Boyd		Signature Gordon Boyd		Month Day Year 09/15/87	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space DE020615					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Ellen Mula					
Signature Ellen Mula		Month Day Year 09/17/87			

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

US V. MSP
PRODUCED BY MSP 9/93
Box 11252
LAUREL, MD 20708-0125
WASTE MANIFESTS

MSD078

060711

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

MSP-028/87-0157

RECYCLE / REUSE
MANIFEST NO 76536

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

Form Approved OMB No 2060-0036 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No	Manifest Document No	2 Pages of 72	Information in the shaded areas is not required by Federal law
3 Generator's Name and Mailing Address		M D D 9 8 0 5 5 4 6 5 3 1 0 0 2 8			
GSX Services, Inc., 3527 Whiskey Bottom Road Laurel, MD 20707					
4 Generator's Phone (301) 953-9583					
5 Transporter 1 Company Name		6 US EPA ID Number			
GSX Services, Inc.		M D D 9 8 0 5 5 4 6 5 3			
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		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		13 Total Quantity	14 Unit Wt/Vol
HM		No Type			
a RQ Waste Acid Liquid, NOS Corrosive Material NA1760 (RQ - EPA D002)		T.F. 04 DF (5p) 102 100		1140	P
b RQ Waste Flammable Liquid, NOS Flammable Liquid UN1993 (RQ - EPA D001)		T.F. DF (5p) 1015 100		50	P
c x Corrosive Solid, NOS Corrosive Material UN1759		T.F. DF (20) 1012 100		1000	P
d x Waste Dichloromethane Solution ORM-A UN1593		T.F. 02 DF (5p) 102 100		20	P
1. Additional Descriptions for Materials					
GSXL-012762					
15. Special Handling Instructions and Additional Information		In case of an emergency contact: GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. Attn: Tom Pfaffman			
Vehicle Cert. #: 87A0615 HWH-015 2908					
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	
Tom Pfaffman		Tom Pfaffman		1/10/12/87	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
GORDON BOYD		Gordon Boyd		1/10/12/87	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
DE0020616					
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	
SHELLEY DRVODELICH		Shelley Drvodulich		1/10/15/87	

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US V. MSP
PRODUCED BY MSP-9/93
Box 1100
LAUREL, MD 20707
WASTE MANIFESTS

MSD078

0622

F

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MATERIALS CHARACTERIZATION DATA SHEET

MCDS Document #

SALES (504) 465-3310
PLANT (504) 631-3626

MSP CODE: _____

872762 Str 2301
GSXMF# 10028

Generator Name GSX Services INC
Facility Address 3527 Whiskey Bottom Rd,
LAUREL, MD 20707

City, State, Zip _____
Technical Contact JACK KEHOE
Title Routing Supervisor
Telephone NO. (301) 953-9583 EXT: _____
Facility EPA ID # MD0980554653

CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

SEE ATTACHED SHEETS	%
	%
	%
	%
	%
	%

METALS (EP Toxicity Test, mg/l)

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

INORGANICS (mg/l or ppm)

SEE ATTACHED SHEETS	
Total CN	Iodine
Free CN	Asbestos
Sulfide	
Chloride	
Bisulfite	
Sulfite	
Sulfate	
Phosphate	
Fluorine	
Bromine	
Chlorine	

ORGANICS (mg/l or ppm)

SEE ATTACHED SHEETS	
Endrin	Organohalide
Methoxychlor	Mercaptans
Toxaphene	
2,4-D	
2,4,5-T	
Phenolics	
PCBs	
Dioxin	
TOC	

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 of composition or properties 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 9-21-87

GENERATOR'S SIGNATURE: Tom B. Jeff

DEQ020617

Bill To: GSX Services, INC.
Company Contact: JACK KEHOE
Container Size: VARIES
EPA Waste No.: SEE ATTACHED SHEETS
Generating Process: Packaging of Lab Chemicals
Common Name of Waste: Packaged Lab Chemicals
Rate of Generation: _____ PER _____ (Time Interval)
Volume in Storage: _____ IN _____ (Container Size and Type)
Is Waste DOT Hazardous: YES NO
Proper DOT Shipping Name: SEE ATTACHED SHEETS
Hazard Class: _____ ID No.: SEE ATTACHED SHEETS
Transportation Equipment: SEE ATTACHED SHEETS
Placarding: SEE ATTACHED SHEETS

PHYSICAL DESCRIPTION SEE ATTACHED SHEETS

Physical State: Liquid Semi-solid Solid
Phases/Layering: Uni-Layer Bilayer Multilayer
Viscosity: High Medium Low
Type of Solids: Organic Inorganic Mixed
Total Solids (wt. %): _____ Suspended Solids (wt. %): _____
BTU/lb: _____ % Ash Content: _____ % Water (by weight): _____
Flash Point (°F): _____ Type: SEE ATTACHED SHEETS
Specific Gravity: SEE ATTACHED SHEETS
Boiling Point (°C): _____ Freezing Point (°C): _____
Vapor Pressure (mm Hg @ 24°C): SEE ATTACHED SHEETS
pH (Avg): _____ (Range): _____ to _____
Total Alkalinity/Acidity (%): SEE ATTACHED SHEETS
Odor: SEE ATTACHED SHEETS
Color: SEE ATTACHED SHEETS

HAZARDOUS PROPERTIES SEE ATTACHED SHEETS

<u> </u> Water Reactive	<u> </u> Reactive	<u> </u> Explosive
<u> </u> Shock Sensitive	<u> </u> Pyrophoric	<u> </u> Polymizable
<u> </u> Radioactive	<u> </u> Pesticide Residuals	<u> </u> Ignitable
<u> </u> Corrosive	<u> </u> Toxic Vapor	<u> </u> Pathogen
<u> </u> Biological	<u> </u> Etiological	
<u> </u> Other		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

SEE ATTACHED SHEETS

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

MSD078

0623

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Service: ☐ Priority National ☐ Priority Regional ☐ Standard ☐ Optional Service

From: Sender's Name TOPP, AFM Sender's Area Code Phone Number ()

To: Recipient's Name ... Recipient's Area Code Phone Number ()

Company Name ... Street Address P.O. Box Number (if not deliverable)

City ... State ... Zip Code ...

Sender's Signature ... P.O. or Reference Number ...

Tax	Item	SN	Origin Airport	Destination Airport
Adverts	Valuation	Code	Amount	Total Charge
Special Charge	☐ DB	Route	Carrier/Guard info	SS - last 4 digits

PUROLATOR USE ONLY

RECIPENT'S COPY

US V. MSP
PRODUCED BY MSP 9/93
Box 1 DEQ 2
UNIFORM
WASTE MANAGEMENT
TESTS

MSD078

DEQ020618

0624

MCDS Document #

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310
PLANT (504) 631-3626

MSP CODE: 872712

GSXMF# 10028

Generator Name GSX Services INC.
Facility Address 3527 Whiskey Bottom Rd.
LAUREL, MD 20707

City, State, Zip _____
Technical Contact JACK KEHOE
Title Routing Supervisor
Telephone NO. (301) 953-9583 EXT: _____
Facility EPA ID # MD0980554653

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

SEE ATTACHED SHEETS %
_____%
_____%
_____%
_____%
_____%

METALS (EP Toxicity Test, mg/l)

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

INORGANICS (mg/l or ppm)

SEE ATTACHED SHEETS
Total CN Iodine
Free CN Asbestos 0
Sulfide _____
Chloride _____
Bisulfite _____
Sulfite _____
Sulfate _____
Phosphate _____
Flourine _____
Bromine _____
Chlorine _____

ORGANICS (mg/l or ppm)

SEE ATTACHED SHEETS
Endrin Organohalide
Methoxychlor Mercaptans
Toxaphene _____
2, 4-D 0
2, 4, 5-T 0
Phenolics _____
PCBs 0
Dioxin 0
TOC _____

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 of composition or properties 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 9-21-87
MSP FORM 1840 (REV. JUNE 87)

GENERATOR'S SIGNATURE: Tom R. Jeff

DEQ020619

Bill To: GSX Services, INC.
Company Contact: JACK KEHOE
Container Size: Varies
EPA Waste No. SEE ATTACHED SHEETS
Generating Process Packaging of Lab Chemicals
Common Name of Waste Packaged Lab Chemicals
Rate of Generation _____
Volume in Storage _____
Is Waste DOT Hazardous YES NO
Proper DOT Shipping Name SEE ATTACHED SHEETS
Hazard Class _____ ID No. SEE ATTACHED SHEETS
Transportation Equipment SEE ATTACHED SHEETS
Placarding SEE ATTACHED SHEETS

PHYSICAL DESCRIPTION

SEE ATTACHED SHEETS
Physical State Liquid Semi-solid Solid
Phases/Layering Uni-Layer Bi-layer Multilayer
Viscosity High Medium Low
Type of Solids Organic Inorganic Mixed
Total Solids (wt. %) _____ Suspended Solids (wt. %) _____
BTU/lb _____ % Ash Content _____ % Water (by weight) _____
Flash Point (°F) _____ Type SEE ATTACHED SHEETS
Specific Gravity SEE ATTACHED SHEETS
Boiling Point (°C) _____ Freezing Point (°C) _____
Vapor Pressure (mm Hg @ 24°C) SEE ATTACHED SHEETS
pH (Avg) _____ (Range) _____ to _____
Total Alkalinity/Acidity (%) SEE ATTACHED SHEETS
Odor SEE ATTACHED SHEETS
Color SEE ATTACHED SHEETS

HAZARDOUS PROPERTIES

SEE ATTACHED SHEETS
Water Reactive Reactive Explosive
Shock Sensitive Pyrophoric Polymizable
Radioactive Pesticide Residuals Ignitable
Corrosive Toxic Vapor Pathogen
Biological Etiological
Other

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

SEE ATTACHED SHEETS

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

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

US V. MSP
PRODUCED BY MSP 9/83
Box 1000
LAUREL, MD 20707
WASTE ANALYSIS

MSD078

0625

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U.S. V. MSP
PRODUCED BY MSP 9/93
Box 12502
LAUREL, MD 20707-0002
WASTE MANAGEMENT
TESTS

MSD078

0626

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code

CSXL/CSXL/8702762/LP/

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact.

Return this form with any attachments to: **MARINE SHALE PROCESSORS, INC.**
Post Office Box 1698
Kenner, LA 70063
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: CSX. LAUREL MD Telephone: (800) 638-1110 x.0000
Facility Address: 3527 WHISKEY BOTTOM ROAD USEPA ID: MD980554653

LAUREL, MD 20707-0000

Name of Waste: LAB PACK
Technical Contact: JILL BEALL JACK KENOE

Generating Process: Packaging of Lab Chemicals
Title: MATERIALS ROUTING SUPV.

B. CHANGES OR ADDITIONS SINCE LAST MCDS PREPARATION

1. Have you obtained any laboratory analysis of this waste? (If yes, attach results) ☐ yes ☒ no
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☒ no
3. Have you changed the waste generating process itself? ☐ yes ☒ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☒ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☒ no
6. If you answered "yes" to questions 2, 3, 4, or 5, please provide details below:

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW MCDS MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) Varies
Anticipated Volume: _____ Gals. _____ Cubic Yds. Other 10,000 lbs.
Per: ☐ One Time ☐ Week ☐ Month ☐ Quarter ☒ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertified waste profile sheet attached hereto, and the information supplied above, are complete, true and correct.

Name: Tom Turabull
Title: Sales

Signature: Tom Turabull
Date: 3/21/89

DEQ020620

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

MSP-028/87-0157

RECYCLE / REUSE

MANIFEST NO 76536

Form Approved OMB No 2060-0039 Expires 9-30-88

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

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No MI DI 91 81 01 51 41 61 51 31 11 01 01 21 8	2 Page 1 of 2	Information in the shaded areas is not required by Federal law
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road Laurel, MD 20707				
4 Generator's Phone (301) 953-9583				
5 Transporter 1 Company Name GSX Services, Inc.	6 US EPA ID Number MI DI 91 81 01 51 41 61 51 31 11 01 01 21 8			
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 DI 91 81 01 51 41 61 51 31 11 01 01 21 8		
11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM				
a RQ Waste Acid Liquid, NOS Corrosive Material NA1760 (RQ - EPA D002)		12 Containers No Type 5p 04 DF 1012 20 P		
b RQ Waste Flammable Liquid, NOS Flammable Liquid UN1993 (RQ - EPA D001)		13 Total Quantity 50 P		
c x Corrosive Solid, NOS Corrosive Material UN1759		14 Unit Wt/Vol 100 P		
d x Waste Dichloromethane Solution ORM-A UN1593		20 P		
1. Additional Descriptions for Materials GSXL-B1276				
15 Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0615 HWH-015 2908 Driver: [Signature] IF UNABLE TO DELIVER, RETURN TO GENERATOR		In case of an emergency contact: GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. Attn: Tom Pfaffman		
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 Tom Pfaffman		Signature Tom Pfaffman		Month Day Year 11/01/87
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GORDON BOYD		Signature Gordon Boyd		Month Day Year 11/01/87
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19 Discrepancy Indication Space DEQ020621				
20 Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name SHELLEY DRODELICH		Signature Shelley Drodulich		Month Day Year 11/01/87

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US V. MSP
PRODUCED BY MSP 9/83
Box 12502
WASTE MANIFESTS

MSD078

0627

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

MSP-028/87-0157

RECYCLE / REUSE

MANIFEST NO 76537

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

Form Approved OMB No. 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No		Manifest No		2 Page No		Information in the shaded areas is not required by Federal law	
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707		M D D 9 8 0 5 5 4 6 5 3 1 0 7 2 8		10728		12			
4 Generator's Phone (301) 953-9583		6 US EPA ID Number		M P P P 8 0 5 5 4 6 5 3		C State Generator's ID			
5 Transporter 1 Company Name GSX Services, Inc.		8 US EPA ID Number				D Transporter's Phone		301/953-9583	
7 Transporter 2 Company Name		10 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		12 US EPA ID Number		L A D 9 8 1 0 5 7 7 0 6		F Transporter's Phone			
						G State Facility's ID			
						H Facility's Phone		(504) 631-3161	
11 HM DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12 Containers		13 Total Quantity		14 Unit Wt/Vol		15 Waste No.	
a. x Hazardous Waste Liquid, NOS ORM-E NA9189		No Type		0 1 DF		10 P		F002	
b. x Waste Hydrogen Peroxide Oxidizer UN2014		No Type		0 1 DF		10 P			
c. x Waste Carbon Tetrachloride ORM-A UN1846		No Type		0 1 D, H		10 P			
d. x Poison B Liquid, NOS Poison B UN2810		No Type		0 3 DF		1.50 P			
1. Additional Descriptions for Materials Listed Above GSXL-872101									
15. Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0615 Driver #: 2908 UNABLE TO DELIVER, RETURN TO GENERATOR		In case of emergency contact: GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. Attn: Tom Pfaffman							
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 Tom Pfaffman		Signature Tom Pfaffman		Month Day Year 1/01/87					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GORDON BOYD		Signature Gordon Boyd		Month Day Year 1/01/87					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year					
19. Discrepancy Indication Space				DEQ020622					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name SHELLEY DRODELICH		Signature Shelley Drodulich		Month Day Year 1/01/87					

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

US V. MSP
PRODUCED BY MSP 9/93
Box 1 DEQ 2 Request
UNIFORM HAZARDOUS WASTE MANIFESTS

MSD078

0628

F

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MATERIALS CHARACTERIZATION DATA SHEET

MCDs Document #

SALES (504) 465-3310

PLANT (504) 631-3626

MSP CODE: _____

872762 Str 2001
GSXMF# 10028

Generator Name GSX Services INC
Facility Address 3527 Whiskey Bottom Rd.
LAUREL MD 20707

City, State, Zip _____
Technical Contact JACK KEHOE
Title Routing Supervisor
Telephone NO. (301) 953-9583 EXT: _____
Facility EPA ID # MD0980554653

CHEMICAL COMPOSITION (No Trade Name) (Totals must add up to 100%)

SEE ATTACHED SHEETS

METALS (EP Toxicity Test, mg/l)

SEE ATTACHED SHEETS

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

INORGANICS (mg/l or ppm)

SEE ATTACHED SHEETS

Total CN	Iodine	
Free CN	Asbestos	0
Sulfide		
Chloride		
Bisulfite		
Sulfite		
Sulfate		
Phosphate		
Fluorine		
Bromine		
Chlorine		

ORGANICS (mg/l or ppm)

SEE ATTACHED SHEETS

Endrin	Organohalide	
Methoxychlor	Mercaptans	
Toxaphene		
2,4-D		
2,4,5-T	0	
Phenolics		
PCBs	0	
Dioxin	0	
TOC		

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 of composition or properties 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 9-21-87

GENERATOR'S SIGNATURE: Tom Pfeiffer

DE0020623

MSD FORM 1040 (REV. JUNE 87)

Bill To: GSX Services INC.
Company Contact: JACK KEHOE
Container Size: VARIES
EPA Waste No.: SEE ATTACHED SHEETS
Generating Process: Packaging of Lab Chemicals
Common Name of Waste: Packaged Lab Chemicals
Rate of Generation: _____ PER _____
Volume in Storage: _____ IN _____
Is Waste DOT Hazardous: YES NO
Proper DOT Shipping Name: SEE ATTACHED SHEETS
Hazard Class: _____ ID No.: SEE ATTACHED SHEETS
Transportation Equipment: SEE ATTACHED SHEETS
Placarding: SEE ATTACHED SHEETS

PHYSICAL DESCRIPTION SEE ATTACHED SHEETS

Physical State: SEE ATTACHED SHEETS
Phases/Layering: SEE ATTACHED SHEETS
Viscosity: SEE ATTACHED SHEETS
Type of Solids: SEE ATTACHED SHEETS
Total Solids (wt. %): SEE ATTACHED SHEETS
Suspended Solids (wt. %): SEE ATTACHED SHEETS
BTU/lb: SEE ATTACHED SHEETS
Flash Point (°F): SEE ATTACHED SHEETS
Specific Gravity: SEE ATTACHED SHEETS
Boiling Point (°C): SEE ATTACHED SHEETS
Freezing Point (°C): SEE ATTACHED SHEETS
Vapor Pressure (mm Hg @ 24°C): SEE ATTACHED SHEETS
pH (Avg): SEE ATTACHED SHEETS
Total Alkalinity/Acidity (%): SEE ATTACHED SHEETS
Odor: SEE ATTACHED SHEETS
Color: SEE ATTACHED SHEETS

HAZARDOUS PROPERTIES SEE ATTACHED SHEETS

SEE ATTACHED SHEETS

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

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

SEE ATTACHED SHEETS

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

US V. MSP
PRODUCED BY MSP 9/83
Box 1000
LAUREL, MD 20707
WASTE MANAGEMENT

MSD078

0629

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

Service: Check One See back for details
☐ Parcel Post ☒ Priority Mail ☐ Priority Registered Mail ☐ Standard Mail ☐ Registered Mail ☐ Insured Mail ☐ Signature Required ☐ Signature Confirmation ☐ Return Receipt ☐ Return Receipt with Certificate of Insurance ☐ Return Receipt with Receipt for Contents ☐ Return Receipt with Receipt for Contents and Certificate of Insurance

From: Sender's Name: Mr. P. A. Affman Sender's Area Code: (311) Phone Number: 123-4567
 Company Name: _____
 Street Address: _____
 City: _____ State: _____ Zip Code - Required: _____
 Sender's Signature: _____ P.O. or Reference Number: _____

To: Recipient's Name: Mr. J. K. Smith Recipient's Area Code: (311) Phone Number: 123-4567
 Company Name: _____
 Street Address: _____ P.O. Box Number (not deliverable): _____
 City: _____ State: _____ Zip Code - Required: _____

Third Party Billing Name/Address: _____
 Weight: _____ L _____ W _____ H _____

Rate	Rate Name	SA	Origin Airport	Destination Airport
Adm's	Valuation	Code	Amount	Code
Special Charge	☐ DB	Rate	Carrier Guard Invoice	S.S. - Last 4 digits

PUROLATOR USE ONLY
 BL-3 Rev. 4-84

RECIPIENT'S COPY

US V. MSP Releaseable
 PRODUCED BY MSP 9/93
 Box 10502
 WALTER H. HARRIS
 WASTE MANAGEMENT
 WASTE MANAGEMENT

MSD078

DE0020624

0630

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U.S. V. N.S.P. PRODUCED BY N.S.P. 9/93
WASTE MANAGEMENT
Box 42502
Hazardous
Waste Management

MSD078

0631

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

MCDs Document #

SALES (504) 465-3310
PLANT (504) 631-3626

MSP CODE: 872762

GSXMF# 10028

Generator Name GSX Services INC.
Facility Address 3527 Whiskey Bottom Rd.
LAUREL MD 20707

City, State, Zip _____
Technical Contact JACK KEHOE
Title Routing Supervisor
Telephone NO. (301) 953-9583 EXT: _____
Facility EPA ID # MD0980554653

CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

SEE ATTACHED SHEETS	%
	%
	%
	%
	%
	%

METALS (EP Toxicity Test, mg/l)

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

INORGANICS (mg/l or ppm)

SEE ATTACHED SHEETS	
Total CN	Iodine
Free CN	Asbestos
Sulfide	0
Chloride	
Bisulfite	
Sulfite	
Sulfate	
Phosphate	
Flourine	
Bromine	
Chlorine	

ORGANICS (mg/l or ppm)

SEE ATTACHED SHEETS	
Endrin	Organohalide
Methoxychlor	Mercaptans
Toxaphene	
2,4-D	
2,4,5-T	0
Phenolics	
PCBs	0
Dioxin	0
TOC	

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 of composition or properties 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 9-11-87

GENERATOR'S SIGNATURE: Tom Ruff

DER020625

MSP FORM 1040 (REV. 1/87)

Bill To: GSX Services, INC.
Company Contact: JACK KEHOE
Container Size: VARIES
EPA Waste No. SEE ATTACHED SHEETS
Generating Process Packaging of Lab Chemicals
Common Name of Waste Packaged Lab Chemicals
Rate of Generation _____ PER _____
Volume in Storage _____ IN _____
Is Waste DOT Hazardous ☒ YES ☐ NO
Proper DOT Shipping Name SEE ATTACHED SHEETS
Hazard Class _____ ID No. SEE ATTACHED SHEETS
Transportation Equipment SEE ATTACHED SHEETS
Placarding SEE ATTACHED SHEETS

PHYSICAL DESCRIPTION SEE ATTACHED SHEETS

Physical State ☐ Liquid ☐ Semi-solid ☐ Solid
Phases/Layering ☐ Uni-Layer ☐ Bilayer ☐ Multilayer
Viscosity ☐ High ☐ Medium ☐ Low
Type of Solids ☐ Organic ☐ Inorganic ☐ Mixed
Total Solids (wt. %) _____ Suspended Solids (wt. %) _____
BTU/lb _____ % Ash Content _____ % Water (by weight) _____
Flash Point (°F) _____ Type SEE ATTACHED SHEETS
Specific Gravity SEE ATTACHED SHEETS
Boiling Point (°C) _____ Freezing Point (°C) _____
Vapor Pressure (mm Hg @ 24°C) SEE ATTACHED SHEETS
pH (Avg) _____ (Range) _____ to _____
Total Alkalinity/Acidity (%) SEE ATTACHED SHEETS
Odor SEE ATTACHED SHEETS
Color SEE ATTACHED SHEETS

HAZARDOUS PROPERTIES SEE ATTACHED SHEETS

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

REQUIRED PERSONNEL PROTECTIVE
EQUIPMENT AND PROCEDURES:

SEE ATTACHED SHEETS

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

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U.S. V. MSP
PRODUCED BY MSP 9/93
Box 1000
LAUREL, ND 58001
WASTE MANIFESTS

MSD078

0632

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code

CSXL/CSXL/8702762/LP/

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact.

Return this form with any attachments to: MARINE SHALE PROCESSORS, INC.
Post Office Box 1698
Kenner, LA 70063
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: CSX. LAUREL ND Telephone: (800) 638-4440 x.0000
Facility Address: 3527 WHISKEY BOTTOM ROAD USEPA ID: NDD980554653
LAUREL, ND 58007-0000

Name of Waste: LAB PACK Generating Process: *Partially Lab/Chemical*
Technical Contact: JILL BEALL JACK KEMOE Title: MATERIALS ROUTING SUPERVISOR

B. CHANGES OR ADDITIONS SINCE LAST MCDS PREPARATION

1. Have you obtained any laboratory analysis of this waste? (If yes, attach results) ☐ yes ☒ no
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☒ no
3. Have you changed the waste generating process itself? ☐ yes ☒ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☒ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☒ no
6. If you answered "yes" to questions 2, 3, 4, or 5, please provide details below:

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW MCDS MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) *Varies*
Anticipated Volume: _____ Gals. _____ Cubic Yds. Other *10,000 lbs.*
Per: ☐ One Time ☐ Week ☐ Month ☐ Quarter ☒ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertified waste profile sheet attached hereto, and the information supplied above, are complete, true and correct.

Name: *Tom Turabul* Signature: *Tom Turabul*
Title: *Sales* Date: *3/21/89*

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

MSP-028/87-0157

RECYCLE / REUSE

MANIFEST NO 76537

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

Form Approved OMB No 2050-0039 Expires 9-30-84

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No M 0 0 9 8 0 5 5 4 6 5 3 1 0 0 2 8		2 Page 1 of 1		Information in the shaded areas is not required by Federal law	
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707				A. State Manifest Document Number			
4 Generator's Phone (301) 953-9583				B. State Generator's ID			
5 Transporter 1 Company Name GSX Services, Inc.				C. State Transporter's ID			
6 US EPA ID Number M P P P 8 0 5 5 4 6 5 3 1 0 0 2 8				D. Transporter's Phone 301/953-9583			
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 L A D 9 8 1 0 5 7 7 0 6				H. Facility's Phone (504) 631-3167			
11 HM DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12 Containers		13. Total Quantity	14. Unit Wt/Vol
a. x Hazardous Waste Liquid, NOS ORM-E NA9189				No Type T.P. (5p) 01 DF		10 P	FOOZ
b. x Waste Hydrogen Peroxide Oxidizer UN2014				T.P. (5p) 01 DF		10 P	
c. x Waste Carbon Tetrachloride ORM-A UN1846				(5m) 01 D, M		10 P	
d. x Poison B Liquid, NOS Poison B UN2810				T.P. (20) 03 DF		150 P	
1. Additional Descriptions for Materials Listed Above GSXL-87276							
15. Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0615 Driver #: 2908 HHW-015 UNABLE TO DELIVER. RETURN TO GENERATOR In case of emergency contact: GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. Attn: Tom Pfaffman							
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 Tom Pfaffman				Signature <i>Tom Pfaffman</i>		Month Day Year 11/01/87	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GORDON BOYD				Signature <i>Gordon Boyd</i>		Month Day Year 11/01/87	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space DEQ020627							
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name SHELLEY DROVDELICH							
Signature <i>Shelley Drovdelich</i>				Month Day Year 11/01/87			

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US V. MSP
PRODUCED BY MSP 9/93
Box 1, DEQ 2, Request 1, 11/24/87
WASTE MANIFESTS

MSD078

06337

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

RECYCLE / REUSE

MANIFEST No 76615

MSP-028/87-0157

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

Form Approved OMB No 2050-0039 Expires 9-30-84

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No MD 098055A6531002B		2 Page of 2 Information in the shaded areas is not required by Federal law	
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road Laurel, MD 20707					
4 Generator's Phone (301) 953-9583					
5 Transporter 1 Company Name GSX Services, Inc.		6 US EPA ID Number MD 098055A653		7 State Transporter ID 301/953-9583	
7 Transporter 2 Company Name		8 US EPA ID Number		9 State Transporter 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 0981057706		11 State Facility ID	
11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		12 Containers No Type		13 Total Quantity Unit Wt/Vol	
a. x Waste Flammable Solid, NOS Flammable Solid UN1325 (5p)		0 1 D F		1 0 P	
b. x Waste Cyanogen Bromide Poison B UN1889 (5p)		0 1 D F		1 0 P	
c. Ammonium Hydroxide ORM-A NA 2672 (5p)		0 1 D F		1 0 P	
d. RQ Waste Paint Flammable Liquid UN1263 (RQ - EPA D001) (20)		1 1 0 D F		5550 P	
15 Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0615 Driver #: 2906 HWH-015 In case of emergency contact: GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. Attn: T. Pfaffman					
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 Tom Pfaffman		Signature Tom Pfaffman		Month Day Year 11/01/87	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GORDON BOYD		Signature Gordon Boyd		Month Day Year 11/01/87	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space DE0020628					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name SHELLEY DRVODELICH					
Signature Shelley Drvodulich		Month Day Year 11/01/87			

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U.S. V. MSP
PRODUCED BY MSP 9/93
Box 44307
LAUREL, MD 20707
HAZARDOUS WASTE MANIFESTS

MSD078

0634

F

MCD5 Document

SALES (504) 465-3310
PLANT (504) 631-3626

MSP CODE:

GSXMF# 10028⁸⁷

Generator Name GSX Services INC.
Facility Address 3527 Whiskey Bottom Rd.
LAWREL MD 20707

City, State, Zip _____
 Technical Contact JACK KEHOE
 Title Rentlog Supervisor
 Telephone NO. (361) 953-9583 EXT: _____
 Facility EPA ID # ADD980554653

CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

SEE ATTACHED SHEETS

METALS (EP Toxicity Test, mg/l)

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

INORGANICS (mg/l or ppm)

SEE ATTACHED SHEETS		
Total CN	Iodine	
Free CN	Asbestos	0
Sulfide		
Chloride		
Bisulfite		
Sulfite		
Sulfate		
Phosphate		
Flourine		
Bromine		
Chlorine		

ORGANICS (mg/l or ppm)

SEE ATTACHED SHEETS			
Endr in	_____	Organohalide	_____
Methoxychlor	_____	Mercaptans	_____
Toxaphene	_____		_____
2,4-D	_____		_____
2,4,5-T	0		_____
Phenol(ics)	_____		_____
PCBs	0		_____
Dioxin	0		_____
TOC	_____		_____

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 of composition or properties 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 9-11-87

GENERATOR'S SIGNATURE

DEQ020629

Bill To: GSX Services INC.
Company Contact: JACK KENGE
Container Size: varies
EPA Waste No. SEE ATTACHED SHEETS
Generating Process Packaging of Lab Chemicals
Common Name of Waste Packaged Lab Chemicals
Rate of Generation Quant Unit PER (Time Interval)
Volume in Storage Quant Unit IN (Container Size and Type)
Is Waste DOT Hazardous YES NO
Proper DOT Shipping Name SEE ATTACHED SHEETS
Hazard Class ID No. SEE ATTACHED SHEET
Transportation Equipment SEE ATTACHED SHEETS
Placarding SEE ATTACHED SHEETS

PHYSICAL DESCRIPTION SEE ATTACHED SHEETS

Physical State | | Liquid | | Semi-solid | | Solid
Phases/Layering | | Uni-Layer | | Bilayer | | Multilayer
Viscosity | | High | | Medium | | Low
Type of Solids | | Organic | | Inorganic | | Mixed

Total Solids (wt. %) _____ Suspended Solids (wt. %) _____
BTU/lb _____ % Ash Content _____ % Water (by weight) _____
Flash Point (°F) _____ Type SEE ATTACHED SHEETS
Specific Gravity SEE ATTACHED SHEETS
Boiling Point, (°C) _____ Freezing Point, (°C) _____
Vapor Pressure (mm Hg @ 24°C) SEE ATTACHED SHEETS
pH (Avg) _____ (Range) _____ to _____
Total Alkalinity/Acidity (%) SEE ATTACHED SHEETS
Odor SEE ATTACHED SHEETS
Color SEE ATTACHED SHEETS

HAZARDOUS PROPERTIES SEE ATTACHED SHEETS

☐ Water Reactive	☐ Reactive	☐ Explosive
☐ Shock Sensitive	☐ Pyrophoric	☐ Polymizable
☐ Radioactive	☐ Pesticide Residuals	☐ Ignitable
☐ Corrosive	☐ Toxic Vapor	☐ Pathogen
☐ Biological	☐ Etiological	
☐ Other _____		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

SEE ATTACHED SHEETS

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

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

US V. MSP
RELEASED
PRODUCED BY MAP 9/93
Box 1, Dept 2 Request
WASTE MANIFESTS
UNIFORM HARZARDous

MSD078

0000

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

Service: Check One See reverse side for details
☐ Parcel Post ☒ Priority Mail ☐ Priority Registered Mail ☐ Priority Overnight ☐ Standard 1-day Service ☐ Optional Service: Saturday Delivery ☐ Insured ☐ Collect ☐ Cash on Delivery

From: Sender's Name: TEC PFAFFMAN Sender's Area Code/Phone Number: ()
 Company Name: _____
 Street Address: _____
 City: _____ State: _____ Zip Code: Required _____
 Sender's Signature: _____ P.O. or Reference Number: _____

To: Recipient's Name: RECEIVED Recipient's Area Code/Phone Number: ()
 Company Name: _____ Dept. Name: _____
 Street Address: P.O. Box Numbers not deliverable _____
 City: _____ State: _____ Zip Code: Required _____

Third Party Billing Name/Address: _____
 (Large blacked-out area)

Item	Item Name	Qty	Origin Airport	Destination Airport
Adm's	Valuation	Code	Amount	Code
Special Charge	☐ DG	Code	Amount	Code
Counter Guard Invoice		SS - Last 4 digits	PUROLATOR USE ONLY	

81-3200-106

RECIPIENT'S COPY

US V. MSP
 PRODUCED BY MSP 9/93
 RELEASED
 BOX 2 DEPT 2
 WASHINGTON FIELD
 WASHINGTON FIELD
 WASHINGTON FIELD

MSD078

DEQ020630

0636

MCDS Document #

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310
PLANT (504) 631-3626

MSP CODE: 872712

GSXMF# 10028

Generator Name GSX Services INC.
Facility Address 3527 Whiskey Bottom Rd.
LAUREL, MD 20707
City, State, Zip _____
Technical Contact JACK KEHOE
Title Routing Supervisor
Telephone NO. (301) 953-9583 EXT: _____
Facility EPA ID # MD090554653

CHEMICAL COMPOSITION (No Trade Name) (Totals must add up to 100%)

SEE ATTACHED SHEETS	%
	%
	%
	%
	%
	%

METALS (EP Toxicity Test, mg/l)

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

INORGANICS (mg/l or ppm)

	SEE ATTACHED SHEETS	
Total CN	Iodine	
Free CN	Asbestos	0
Sulfide		
Chloride		
Bisulfite		
Sulfite		
Sulfate		
Phosphate		
Fluorine		
Bromine		
Chlorine		

ORGANICS (mg/l or ppm)

SEE ATTACHED SHEETS	
Endrin	Organohalide
Methoxychlor	Mercaptans
Toxaphene	
2, 4-D	
2, 4, 5-T	0
Phenolics	
PCBs	0
Dioxin	0
TOC	

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 of composition or properties 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 9-11-87

GENERATOR'S SIGNATURE: Tom Affelt

DEQ020631

MSP FORM 1044 (REV. JUNE 87)

Bill To: GSX Services, INC.
Company Contact: JACK KEHOE
Container Size: Varies
EPA Waste No. SEE ATTACHED SHEETS
Generating Process Packaging of Lab Chemicals
Common Name of Waste Packaged Lab Chemicals
Rate of Generation _____ PER _____
Volume in Storage _____ IN _____
Is Waste DOT Hazardous YES NO
Proper DOT Shipping Name SEE ATTACHED SHEETS
Hazard Class _____ ID No. SEE ATTACHED SHEETS
Transportation Equipment SEE ATTACHED SHEETS
Placarding SEE ATTACHED SHEETS

PHYSICAL DESCRIPTION SEE ATTACHED SHEETS

Physical State ☐ Liquid ☐ Semi-solid ☐ Solid
Phases/Layering ☐ Uni-Layer ☐ Bilayer ☐ Multilayer
Viscosity ☐ High ☐ Medium ☐ Low
Type of Solids ☐ Organic ☐ Inorganic ☐ Mixed
Total Solids (wt. %) _____ Suspended Solids (wt. %) _____
BTU/lb _____ % Ash Content _____ % Water (by weight) _____
Flash Point (°F) _____ Type SEE ATTACHED SHEETS
Specific Gravity SEE ATTACHED SHEETS
Boiling Point (°C) _____ Freezing Point (°C) _____
Vapor Pressure (mm Hg @ 24°C) SEE ATTACHED SHEETS
pH (Avg) _____ (Range) _____ to _____
Total Alkalinity/Acidity (%) SEE ATTACHED SHEETS
Odor SEE ATTACHED SHEETS
Color SEE ATTACHED SHEETS

HAZARDOUS PROPERTIES SEE ATTACHED SHEETS

☐ Water Reactive ☐ Reactive ☐ Explosive
☐ Shock Sensitive ☐ Pyrophoric ☐ Polymizable
☐ Radioactive ☐ Pesticide Residuals ☐ Ignitable
☐ Corrosive ☐ Toxic Vapor ☐ Pathogen
☐ Biological ☐ Ecological
☐ Other _____

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

SEE ATTACHED SHEETS

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

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US V. MSP
PRODUCED BY MSP 9/93
Box 12502
UNIFORM HAZARDOUS WASTE MANIFEST

MSD078

0637

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U.S. MSP
PRODUCED BY MSP 9/93
Hazardous Waste Manifest

MSD078

0638

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code

CSXL / CSXL / 8702762 / LP /

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact.

Return this form with any attachments to: MARINE SHALE PROCESSORS, INC.
Post Office Box 1698
Kenner, LA 70063
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: CSX. LAUREL ND Telephone: (800) 638-4440 x.0000
Facility Address: 3527 WHISKEY BOTTLING ROAD USEPA ID: ND0980554653
LAUREL, ND 58001-0000

Name of Waste: LAB PACK
Technical Contact: JILL BEALL JACK KENOE

Generating Process: Part of Lab Chemical
Title: MATERIALS ROUTING SUPPLY

B. CHANGES OR ADDITIONS SINCE LAST MCDS PREPARATION

1. Have you obtained any laboratory analysis of this waste? (If yes, attach results) ☐ yes ☒ no
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☒ no
3. Have you changed the waste generating process itself? ☐ yes ☒ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☒ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☒ no
6. If you answered "yes" to questions 2, 3, 4, or 5, please provide details below:

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW MCDS MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) Varies
Anticipated Volume: _____ Gals. _____ Cubic Yds. Other 10,000 lbs.
Per: ☐ One Time ☐ Week ☐ Month ☐ Quarter ☒ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertified waste profile sheet attached hereto, and the information supplied above, are complete, true and correct.

Name: Tom Turnbull
Title: Sales

Signature: Tom Turnbull
Date: 3/21/89

DE0020632

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

RECYCLE / REUSE

MANIFEST NO 76615

MSP-028/87-0157

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

Form Approved OMB No. 2050-0079 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No	Manifest Document No	2 Page of 2	Information in the shaded areas is not required by Federal law
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road Laurel, MD 20707		M D D 9 8 0 5 5 4 6 5 3 1 0 0 2 8			
4 Generator's Phone (301) 953-9583					
5 Transporter 1 Company Name GSX Services, Inc.		6 US EPA ID Number M D D 9 8 0 6 6 4 6 6 3		7 State Transporter's ID 301/953-9583	
7 Transporter 2 Company Name		8 US EPA ID Number		9 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 L A D 9 8 1 0 5 7 7 0 6		11 State Facility's ID	
11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		12 Containers No Type		13 Total Quantity	14 Unit Wt/Vol
a. x Waste Flammable Solid, NOS Flammable Solid UN1325 (5p)		0 1 D F		1 0	P
b. x Waste Cyanogen Bromide Poison B UN1889 (5p)		0 1 D F		1 0	P
c. Waste Ammonium Hydroxide UN1889 ORN-A NA 2672 (5p)		0 1 D F		1 0	P
d. RQ Waste Paint Flammable Liquid UN1263 (RQ - EPA D001) (20)		1 1 0 D F		5550	P
15 Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0615 Driver #: 2906 In case of emergency contact: GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. Attn: T. Pfaffman 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 Tom Pfaffman		Signature Tom Pfaffman		Month Day Year 11/01/87	
17 Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GORDON BOYD		Signature Gordon Boyd		Month Day Year 11/01/87	
18 Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19 Discrepancy Indication Space DE0020633					
20 Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19 Printed/Typed Name SHELLEY DRODELICH Signature Shelley Drodulich Month Day Year 11/01/87					

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

U.S. V. MSP
PRODUCED BY MSP 9/93
Box 1 DEQ 2 Request 1-1-88
WASTE MANIFESTS

MSD078

0639

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

MSP-029/87-0166

RECYCLE / REUSE

MANIFEST NO 76551

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

Form Approved OMB No 2050-0039 Expires 8-31-88

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No M D D 9 8 0 5 5 4 6 5 3 1 0 0 2 9		Manifest Date 10/19/87		2 Page 1 of 1 Information in the shaded areas is not required by Federal law	
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road Laurel, MD 20707							
4 Generator's Phone (301) 953-9583							
5 Transporter 1 Company Name GSX Services, Inc.				6 US EPA ID Number M D D 9 8 0 5 5 4 6 5 3			
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 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	
HM						No Type	
a x Waste Perchloric Acid Oxidizer UN1873 (5p)						10 1 D F 1 1 0 P	
b x Waste Iron Mass Flammable Solid, NA1383 (5p)						10 1 D F 1 1 0 P	
c RQ Waste Hydrochloric Acid Corrosive Material UN1789 (RQ - EPA D002) (20)						10 1 D F 1 5 0 P	
d RQ Waste Oxidizer, Corrosive Liquid, NOS Oxidizer NA 9193 RQ D002 20						10 1 D F 1 5 0 P	
14 Additional Descriptions for Materials						15 Special Handling Instructions and Additional Information	
GSX-L-87						In case of an emergency contact: GSX Services, Inc. 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. Attn: Tom Pfaffman	
15 Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0607 Driver #: 2908 HWH-015 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 Robert Zavatchan				Signature <i>Robert Zavatchan</i>		Month Day Year 10/19/87	
17 Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GORDON BOYD				Signature <i>Gordon Boyd</i>		Month Day Year 10/19/87	
18 Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19 Discrepancy Indication Space DEB020634							
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Andrew LeBeau							
Signature <i>Andrew LeBeau</i>				Month Day Year 10/19/87			

NOTICE: if the film image is less clear than this notice, it is due to the quality of the document being filmed

US V. MSP
PRODUCED BY MSP 9/93
Box 1, DSC 2, Room 1, 1st Floor
WASTE MANIFESTS

MSD078

0690

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MCDS Document #

MATERIALS CHARACTERIZATION DATA SHEET

872961 OCT 787

SALES (504) 465-3310
PLANT (504) 631-3626

MSP CODE: _____

MF# 10029

Generator Name GSX Services INC
Facility Address 3527 Whiskey Bottom Rd.
LAUREL, MD 20707

City, State, Zip _____
Technical Contact JACK KEHOE
Title Routing Supervisor
Telephone NO. (301) 953-9583 EXT: _____
Facility EPA ID # MD0980554653

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

SEE ATTACHED SHEETS	%
	%
	%
	%
	%
	%
	%

METALS (EP Toxicity Test, mg/l)

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

INORGANICS (mg/l or ppm)

SEE ATTACHED SHEETS	
Total CN	Iodine
Free CN	Asbestos
Sulfide	0
Chloride	
Bisulfite	
Sulfite	
Sulfate	
Phosphate	
Fluorine	
Bromine	
Chlorine	

ORGANICS (mg/l or ppm)

SEE ATTACHED SHEETS	
Endrin	Organohalides
Methoxychlor	Mercaptans
Toxaphene	
2,4-D	
2,4,5-T	0
Phenolics	
PCBs	0
Dioxin	0
TOC	

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 of composition or properties 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 10-08-87

GENERATOR'S SIGNATURE: Tom Pfl

SEP FORM 1040 (REV. JUN 87)

DE0020635

Bill To: GSX Services, INC.
Company Contact: JACK KEHOE
Container Size: Varies
EPA Waste No. SEE ATTACHED SHEETS
Generating Process Packaging of Lab Chemicals
Common Name of Waste Packaged Lab Chemicals
Rate of Generation _____ PER _____
Volume in Storage _____ IN _____
Is Waste DOT Hazardous YES NO
Proper DOT Shipping Name SEE ATTACHED SHEETS
Hazard Class _____ ID No. SEE ATTACHED SHEETS
Transportation Equipment SEE ATTACHED SHEETS
Placarding SEE ATTACHED SHEETS

PHYSICAL DESCRIPTION SEE ATTACHED SHEETS

Physical State ☐ Liquid ☐ Semi-solid ☐ Solid
Phases/Layering ☐ Uni-Layer ☐ Bilayer ☐ Multilayer
Viscosity ☐ High ☐ Medium ☐ Low
Type of Solids ☐ Organic ☐ Inorganic ☐ Mixed
Total Solids (wt. %) _____ Suspended Solids (wt. %) _____
BTU/lb _____ % Ash Content _____ % Water (by weight) _____
Flash Point (°F) _____ Type SEE ATTACHED SHEETS
Specific Gravity SEE ATTACHED SHEETS
Boiling Point, (°C) _____ Freezing Point, (°C) _____
Vapor Pressure (mm Hg @ 24°C) SEE ATTACHED SHEETS
pH (Avg) _____ (Range) _____ to _____
Total Alkalinity/Acidity (%) SEE ATTACHED SHEETS
Odor SEE ATTACHED SHEETS
Color SEE ATTACHED SHEETS

HAZARDOUS PROPERTIES SEE ATTACHED SHEETS

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

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

SEE ATTACHED SHEETS

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

US V. MAP
PRODUCED BY: MAP 9/93
Box 1000
WASTE MANAGEMENT
TESTS

MSD078

0641

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

MSP-029/87-0166

RECYCLE / REUSE

MANIFEST No. 76551

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

Form Approved OMB No. 2050-0029 Expires 6-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No M D D 9 8 0 5 5 4 6 5 3 1 0 0 2 9		Manifest Document No 16		2 Page K12 Information in the shaded areas is not required by Federal law	
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road Laurel, MD 20707							
4 Generator's Phone (301) 953-9583							
5 Transporter 1 Company Name GSX Services, Inc.				6 US EPA ID Number M D D 9 8 0 5 5 4 6 5 3			
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 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) HM				12 Containers No Type		13 Total Quantity	
a x Waste Perchloric Acid Oxidizer UN1873 (5p)				0 1 D F		1 0 P	
b x Waste Iron Mass Flammable Solid, NA1383 (5p)				0 1 D F		1 0 P	
c RQ Waste Hydrochloric Acid Corrosive Material UN1789 (RQ - EPA D002) (20)				0 1 D F		5 0 P	
d RQ Waste Oxidizer, Corrosive Liquid, NOS Oxidizer NA 9193 RQ D001 20				0 1 D F		5 0 P	
14 Additional Descriptions for Materials (Include all)				15 Handling Instructions (Include all)			
GSX-L-87							
15 Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0607 Driver #: 2908 In case of an emergency contact: GSX Services, Inc. 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. Attn: Tom Pfaffman HWH-015 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 Robert Zavatchan				Signature <i>Robert Zavatchan</i>		Month Day Year 1/10/87	
17 Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name GORDON BOYD				Signature <i>Gordon Boyd</i>		Month Day Year 1/10/87	
18 Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
19 Discrepancy Indication Space DE0020636							
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name Andrew LeBeau				Signature <i>Andrew LeBeau</i>		Month Day Year 1/12/87	

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US V. MSP
PRODUCED BY MSP 9/93
Box 1 DEQ 2 Request A-1
UNIFORM HAZARDOUS WASTE MANIFESTS

MSD078

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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 76564

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

MSP-0030/87-0169

Form Approved OMB No. 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's USEPA ID No		Manifest Document No		2 Pages of 15		Information in the shaded areas is not required by Federal law							
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707						A. State Generator's ID									
4 Generator's Phone (301) 953-9583						B. State Generator's ID									
5 Transporter 1 Company Name GSX Services, Inc.						C. State Transporter's ID									
6 USEPA ID Number M D D 9 8 0 5 5 4 6 5 3 1 0 0 3 0						D. Transporter's Phone 301/953-9583									
7 Transporter 2 Company Name						E. State Transporter's ID									
8 USEPA 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 USEPA ID Number L A D 9 8 1 0 5 7 7 0 6						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		15. Waste No.			
a x Waste Nitrobenzene Liquid Poison B UN1662 (5)						1011 DIF		11110		P		11110			
b RQ Waste Paint Related Material Flammable Liquid NA1263 (RQ - EPA D008) (5)						1011 DIF		11110		P		11110			
c x Waste Cyanogen Bromide Poison B UN1889 (5)						1011 DIF		11110		P		11110			
d x Waste Cyanide Mixture Dry Poison B UN1588 (5)						1011 DIF		11110		P		11110			
J. Additional Descriptions (If any)															
GSX-8															
15. Special Handling Instructions and Additional Information Vehicle Cert. #: 87A06D1 Driver #: 2908 JH015 In case of emergency contact: GSX Services, Inc. 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. Attn: T. Pfaffman															
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 Tom Pfaffman						Signature Tom Pfaffman						Month Day Year 11/1/007			
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name GORDON BOYD						Signature Gordon Boyd		Month Day Year 11/1/0187	
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 Godfrey LeBoeuf						Signature Godfrey LeBoeuf						Month Day Year 11/1/2187			

EPA Form 3512-22 Rev. 9-86 Original-DEQ Green-Generators 2nd Year-DEQ Green-Transporter, God-Generators

DEQ FORM 3512-22

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US V. MSP
PRODUCED BY MSP 9/93
Box 1-2502
UNIFORM HAZARDOUS WASTE MANIFESTS

MSD078

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MCD5-Document #

MARINE SHALE PROCESSORS, INC.
MATERIALS CHARACTERIZATION DATA SHEETSALES (504) 465-3310
PLANT (504) 631-3626

MSP CODE: _____

GSXMF# 10030 873193 OCT 20 87

Generator Name GSX Services INC
Facility Address 3527 Whiskey Bottom Rd.
LAUREL, MD 20707City, State, Zip _____
Technical Contact JACK KEHOE
Title Routing Supervisor
Telephone NO. (301) 953-9583 EXT: _____
Facility EPA ID # MD090554653CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

SEE ATTACHED SHEETS	%
	%
	%
	%
	%
	%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	SEE ATTACHED SHEETS
Barium (Ba)	Copper (Cu)
Cadmium (Cd)	Nickel (Ni)
Chromium (Cr)	Zinc (Zn)
Lead (Pb)	
Mercury (Hg)	
Selenium (Se)	

INORGANICS (mg/l or ppm)

Total CN	SEE ATTACHED SHEETS
Free CN	Asbestos
Sulfide	
Chloride	
Bisulfite	
Sulfite	
Sulfate	
Phosphate	
Fluorine	
Bromine	
Chlorine	

ORGANICS (mg/l or ppm)

Endrin	SEE ATTACHED SHEETS
Methoxychlor	Organohalide
Toxaphene	Mercaptans
2,4-D	
2,4,5-T	
Phenolics	
PCBs	
Dioxin	
TOC	

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 of composition or properties 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 10-19-87GENERATOR'S SIGNATURE: Tom Roff

MSD FORM 1040 (REV. 8/83)

DEQ020638

Bill To: GSX Services, INC.
Company Contact: JACK KEHOE
Container Size: Varies
EPA Waste No. SEE ATTACHED SHEETS
Generating Process Packaging of Lab Chemicals
Common Name of Waste Packaged Lab Chemicals
Rate of Generation _____ PER _____
Volume in Storage _____ IN _____
Is Waste DOT Hazardous YES NO
Proper DOT Shipping Name SEE ATTACHED SHEETS
Hazard Class _____ ID No. SEE ATTACHED SHEETS
Transportation Equipment SEE ATTACHED SHEETS
Placarding SEE ATTACHED SHEETS

PHYSICAL DESCRIPTION SEE ATTACHED SHEETS

Physical State		Liquid		Semi-solid		Solid
Phases/Layering		Uni-Layer		Bi-Layer		Multilayer
Viscosity		High		Medium		Low
Type of Solids		Organic		Inorganic		Mixed
Total Solids (wt. %)		Suspended Solids (wt. %)				
BTU/lb		% Ash Content		% Water (by weight)		
Flash Point (°F)		Type		SEE ATTACHED SHEETS		
Specific Gravity		SEE ATTACHED SHEETS				
Boiling Point (°C)		Freezing Point (°C)				
Vapor Pressure (mm Hg @ 24°C)		SEE ATTACHED SHEETS				
pH (Avg)		(Range) to				
Total Alkalinity/Acidity (%)		SEE ATTACHED SHEETS				
Odor		SEE ATTACHED SHEETS				
Color		SEE ATTACHED SHEETS				

HAZARDOUS PROPERTIES SEE ATTACHED SHEETS

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

REQUIRED PERSONNEL PROTECTIVE
EQUIPMENT AND PROCEDURES:

SEE ATTACHED SHEETS

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS,
LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING
PRECAUTIONS, ADDITIONAL HAZARD SUPPORT
INFORMATION, DATA & COMMENTS.NOTICE: If the film image
is less clear than this
notice, it is due to the
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PRODUCED BY MSP 9/83
NOV 1987
WASTE MANAGEMENT
TESTS

MSD078

0644

MCD5 Document #

MARINE SHALE PROCESSORS, INC.
MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310

PLANT (504) 631-3626

MSP CODE: _____

GSXMF# 10030 873193 OCT 20 87

Generator Name GSX Services INC.
Facility Address 3527 Whiskey Bottom Rd.
LAUREL, MD 20707City, State, Zip _____
Technical Contact JACK KEHOE
Title Routing Supervisor
Telephone NO. (301) 953-9583 EXT: _____
Facility EPA ID # MD0980554653CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

SEE ATTACHED SHEETS

METALS (EP Toxicity Test, mg/l)

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

INORGANICS (mg/l or ppm)

Total CN SEE ATTACHED SHEETS
Free CN Iodine
Sulfide Asbestos 0
Chloride _____
Bisulfite _____
Sulfite _____
Sulfate _____
Phosphate _____
Flourine _____
Bromine _____
Chlorine _____

ORGANICS (mg/l or ppm)

Endr in SEE ATTACHED SHEETS
Methoxychlor Organohalide
Toxaphene Mercaptans
2,4-D _____
2,4,5-T 0
Phenolics _____
PCBs 0
Dioxin 0
TOC _____

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 of composition or properties 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 10-19-87GENERATOR'S SIGNATURE: Tom Roff

MSF FORM 1540 (REV. 1/87)

DE020639

Bill To: GSX Services INC.
Company Contact: JACK KEHOE
Container Size: varies
EPA Waste No. SEE ATTACHED SHEETS
Generating Process Packaging of Lab Chemicals
Common Name of Waste Packaged Lab Chemicals
Rate of Generation _____
Volume In Storage _____Is Waste DOT Hazardous YES NO
Proper DOT Shipping Name SEE ATTACHED SHEETS
Hazard Class _____ ID No. SEE ATTACHED SHEETS
Transportation Equipment SEE ATTACHED SHEETS
Placarding SEE ATTACHED SHEETSPHYSICAL DESCRIPTION SEE ATTACHED SHEETSPhysical State SEE ATTACHED SHEETS
Phases/Layering SEE ATTACHED SHEETS
Viscosity SEE ATTACHED SHEETS
Type of Solids SEE ATTACHED SHEETS
Total Solids (wt. %) SEE ATTACHED SHEETS
Suspended Solids (wt. %) SEE ATTACHED SHEETS
BTU/lb _____ % Ash Content _____
Flash Point (°F) SEE ATTACHED SHEETS
Specific Gravity SEE ATTACHED SHEETS
Boiling Point (°C) SEE ATTACHED SHEETS
Freezing Point (°C) SEE ATTACHED SHEETS
Vapor Pressure (mm Hg @ 24°C) SEE ATTACHED SHEETS
pH (Avg) SEE ATTACHED SHEETS
Total Alkalinity/Acidity (%) SEE ATTACHED SHEETS
Odor SEE ATTACHED SHEETS
Color SEE ATTACHED SHEETSHAZARDOUS PROPERTIES SEE ATTACHED SHEETS

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

REQUIRED PERSONNEL PROTECTIVE
EQUIPMENT AND PROCEDURES:

SEE ATTACHED SHEETS

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS,
LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING
PRECAUTIONS, ADDITIONAL HAZARD SUPPORT
INFORMATION, DATA & COMMENTS.NOTICE: If the film image
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being filmedU.S. V. MSP
PRODUCED BY MSP 9/93
Box 10502
Request 1-800-455-2244
WASTE MANAGEMENT

MSD078

0645

US V. MSP Released
PRODUCED BY MSP 9/93
Box 1252 Request
UNITED STATES AIR FORCE
WASTE MANAGEMENT

MSD078

0000

DEQ020640

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RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code

CSXL/CSXL/8703193/LP/

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact.

Return this form with any attachments to: MARINE SHALE PROCESSORS, INC.
Post Office Box 1698
Kenner, LA 70063
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: CSX, LAUREL MD

Telephone: (800) 638-4410 x.0000

Facility Address: 3527 WHISKEY BOTTOM ROAD

USEPA ID: RDD980554653

LAUREL, MD 20707-0000

Name of Waste: LAB PACK

Generating Process: *Antagonist/Abilisterol*
Title: MATERIALS ROUTING SUPV.

Technical Contact: JILL BEALL JACK KENOE

B. CHANGES OR ADDITIONS SINCE LAST MCDS PREPARATION

1. Have you obtained any laboratory analysis of this waste? (If yes, attach results) ☐ yes ☒ no
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☒ no
3. Have you changed the waste generating process itself? ☐ yes ☒ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☒ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☒ no
6. If you answered "yes" to questions 2, 3, 4, or 5, please provide details below:

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW MCDS MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) *Varies*

Anticipated Volume: _____ Gals. _____ Cubic Yds. Other *10,000 lbs.*

Per: ☐ One Time ☐ Week ☐ Month ☐ Quarter ☒ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertified waste profile sheet attached hereto, and the information supplied above, are complete, true and correct.

Name: *Sam Turabull*

Signature: *Sam Turabull*

Title: *Sales*

Date: *3/21/89*

US V. MSP
PRODUCED BY MSP 9/93
DO NOT REQUEST A
WASTE MANIFESTS

MSD078

0647

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

RECYCLE / REUSE

MANIFEST No 76564

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

MSP-0030/87-0169

Form Approved OMB No 2050-0039 Expires 6-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No M D D 9 8 0 5 5 4 6 5 3 1 1 0 0 3 0		2 Page 8 of 15		Information in the shaded areas is not required by Federal law	
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707							
4 Generator's Phone (301) 953-9583							
5 Transporter 1 Company Name GSX Services, Inc.				6 US EPA ID Number M D D 9 8 0 5 5 4 6 5 3		C State Transporter's ID	
7 Transporter 2 Company Name				8 US EPA ID Number		D Transporter's Phone 301/953-9583	
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		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) HM				12 Containers No Type		13 Total Quantity	
a x Waste Nitrobenzene Liquid Poison B UN1662 (5)				1011 DIF		1110 P 1169	
b RQ Waste Paint Related Material Flammable Liquid NA1263 (RQ - EPA D008) (5)				1011 DIF		1110 P 0008/6001	
c x Waste Cyanogen Bromide Poison B UN1889 (5)				1011 DIF		1110 P 1246	
d x Waste Cyanide Mixture Dry Poison B UN1588 (5)				1011 DIF		1110 P 1030	
1. Additional Descriptions for Materials Listed Above GSX-873193/P				2. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Vehicle Cert. #: 87A06D1 In case of emergency contact: GSX Services, Inc. Driver #: 2908 3527 Whiskey Bottom Road, Laurel, MD 20707 at HWH015 301/953-9583 or 800/638-4440. Attn: T. Pfaffman 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 Tom PFAFFMAN				Signature Tom Pfaffman		Month Day Year 11/1/87	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GORDON BOYD				Signature Gordon Boyd		Month Day Year 11/1/87	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space DE020642							
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Printed/Typed Name Bodrey L. Boeuf							
				Signature Bodrey L. Boeuf		Month Day Year 11/1/87	

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US V. MSP
PRODUCED BY MSP-9/93
NOV 1987
WASTE MANIFESTS

MSD078

0648

11

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

RECYCLE / REUSE
MANIFEST NO 76591

MSP-034/87-0191

Form Approved OMB No. 2050-0079 Expires 9-30-88

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

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No M D D 9 8 0 5 5 4 6 5 3 1 0 0 3 2		2 Page X5 of 2 /		Information in the shaded areas is not required by Federal law	
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road Laurel, MD 20707							
4 Generator's Phone (301) 953-9583							
5 Transporter 1 Company Name GSX Services, Inc.		6 US EPA ID Number M D D 9 8 0 5 5 4 6 5 3		7 State Transporter's Phone 301/953-9583			
7 Transporter 2 Company Name		8 US EPA ID Number		9 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 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) HM				12. Containers No Type		13. Total Quantity	
a. RQ Waste ORM-A, NOS ORM-A NA1693 (RQ - EPA F002) (5)				0 4 D F		4 0 P	
b. RQ Hazardous Waste Liquid, NOS ORM-E NA9189 (RQ - EPA F002) (5)				0 1 D F		1 0 P	
c. x Waste Hydrochloric Acid Corrosive Material UN1789 (5)				0 1 D F		1 0 P	
d. x Waste Phosphoric Anhydride Corrosive Material NA1807 (5)				0 4 D F		4 0 P	
14. Additional Descriptions for Materials Listed Above GSX-2-87310							
15. Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0610 Driver #: 2908 HWH-015 IF UNABLE TO DELIVER, RETURN TO GENERATOR				In case of an emergency contact: GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. Attn: T. Pfaffman.			
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 Tom Pfaffman				Signature Tom Pfaffman		Month Day Year 11/20/87	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GORDON BOYD				Signature Gordon Boyd		Month Day Year 11/20/87	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space				DERO20643			
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Gaffney LeBout							
Signature Gaffney LeBout				Month Day Year 11/20/87			

EPA Form 351 (Rev. 4-78) Original-DEO Green-Generators 2nd Yellow-D-Defer-Pr-Transporter, Gold-Generators

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US V. MSP
PRODUCED BY MSP 9/93
RELEASEABLE
Box 12502
LAUREL, MD 20707
UNIFORM HAZARDOUS WASTE MANIFESTS

MSD078

0649

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MCDS Document #

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310
PLANT (504) 631-3626

MSP CODE: _____

MF # 10032 RC

Generator Name GSX Services INC
Facility Address 3527 Whiskey Bottom Rd,
LAUREL MD 20709

City, State, Zip _____
Technical Contact JACK KEHOE
Title Routing Supervisor
Telephone NO. (301) 953-9583 EXT: _____
Facility EPA ID # MD0980554653

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

SEE ATTACHED SHEETS	%
	%
	%
	%
	%
	%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	SEE ATTACHED SHEETS
Barium (Ba)	Copper (Cu)
Cadmium (Cd)	Nickel (Ni)
Chromium (Cr)	Zinc (Zn)
Lead (Pb)	
Mercury (Hg)	
Selenium (Se)	

INORGANICS (mg/l or ppm)

Total CN	SEE ATTACHED SHEETS
Free CN	Asbestos
Sulfide	
Chloride	
Bisulfite	
Sulfite	
Sulfate	
Phosphate	
Fluorine	
Bromine	
Chlorine	

ORGANICS (mg/l or ppm)

Endrin	SEE ATTACHED SHEETS
Methoxychlor	Organohalide
Toxaphene	Mercaptans
2, 4-D	
2, 4, 5-T	
Phenolics	
PCBs	
Dioxin	
TOC	

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 of composition or properties 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 11-09-87

GENERATOR'S SIGNATURE: Tom Paffman

MSP FORM 104 (REV. JUN 87)

DE020644

Bill To: GSX Services, INC.
Company Contact: JACK KEHOE
Container Size: Varies
EPA Waste No. SEE ATTACHED SHEETS
Generating Process Packaging of Lab Chemicals
Common Name of Waste Packaged Lab Chemicals
Rate of Generation _____ PER _____
Volume In Storage _____ IN _____
Is Waste DOT Hazardous YES NO
Proper DOT Shipping Name SEE ATTACHED SHEETS
Hazard Class _____ ID No. SEE ATTACHED SHEETS
Transportation Equipment SEE ATTACHED SHEETS
Placarding SEE ATTACHED SHEETS

PHYSICAL DESCRIPTION SEE ATTACHED SHEETS

Physical State Liquid Semi-solid Solid
Phases/Layering Uni-Layer Bilayer Multilayer
Viscosity High Medium Low
Type of Solids Organic Inorganic Mixed
Total Solids (wt. %) _____ Suspended Solids (wt. %) _____
BTU/lb _____ % Ash Content _____ % Water (by weight) _____
Flash Point (°F) _____ Type SEE ATTACHED SHEETS
Specific Gravity SEE ATTACHED SHEETS
Boiling Point (°C) _____ Freezing Point (°C) _____
Vapor Pressure (mm Hg @ 24°C) SEE ATTACHED SHEETS
pH (Avg) _____ (Range) _____ to _____
Total Alkalinity/Acidity (%) SEE ATTACHED SHEETS
Odor SEE ATTACHED SHEETS
Color SEE ATTACHED SHEETS

HAZARDOUS PROPERTIES SEE ATTACHED SHEETS

<u> </u> Water Reactive	<u> </u> Reactive	<u> </u> Explosive
<u> </u> Shock Sensitive	<u> </u> Pyrophoric	<u> </u> Polymizable
<u> </u> Radioactive	<u> </u> Pesticide Residuals	<u> </u> Ignitable
<u> </u> Corrosive	<u> </u> Toxic Vapor	<u> </u> Pathogen
<u> </u> Biological	<u> </u> Etiological	
<u> </u> Other		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

SEE ATTACHED SHEETS

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

US V. MSP
PROCESSED BY MSP 9/93
Box 12502
LAUREL MD 20709
WASTE HANDLING

MSD078

0650

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GSX

GSX Services, Inc.
3527 Whiskey Bottom Road
Laurel, Maryland 20707-5751
(301) 953-9583

873701

November 24, 1987

Mr. Richard Caire
Marine Shale Processors, Inc.
110 James Drive West, Suite 120
Saint Rose, LA 70087

Dear Mr. Caire:

Enclosed are some container content sheets for materials which are causing headaches for my facility. These materials have the possibility of exceeding the storage limit allowed by our permit.

I believe the materials are packed to your specifications, in plastic 5-gallon pails and in vermiculite. We can package them in any manner your plant requests if they don't meet your requirements. I would like to have these delivered next Thursday (December 3) with our previously approved load.

GSX will cooperate with you and your plant in any manner to expedite the disposal of these drums. I appreciate your help in handling this material.

Sincerely,

William B. Hallam

William B. Hallam
Operations Manager

WBH:by

Enclosures

U.S. MSP
Produced by MSP 9/93
Box 1, Box 2, Box 3, Box 4, Box 5
UNIFORMED SERVICES
WASTES MANAGEMENT
TESTS

MSD078

DEQ020645

0651

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Box 1 DEC 2 Request 1
WATERBURY HAZARDOUS
WASTE MANIFESTS

MSD078

0000

Container Contents

ARF No. _____

☐ Bulk

☒ Mixed Lab

Container Number: 090187 EPL -26		Chemist: SE/Khee	
DOT Shipping Name: Waste, Oleum		596 597	
Container Type: 15A-100	UN/NA Number: NA183	HM ☒	
Hazard Class: Corrosive Material			

Receiving	Routing	Shipping
XXXXXX		

Line No.	Material Description	Material Quantity	RO	EPA Waste Code Number
01	Sulfuric Acid, Fuming	1 x 1/2 Gal		D002
02				
03	(IN VERMICULITE)			
04				
05				
06				
07				
08				
09				
10				
11				
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This Lab Pack list continues;

Yes ☐

No ☒

This is page 1 of 1.

ORIGINAL—FINAL GSX T.S.D. • GREEN—TRANS/CERT • YELLOW—DISPOSER • PINK—1ST GSX T.S.D. • GOLD—GENERATOR

DEROZ0646

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GSX

Container Contents

☐ Bulk

☒ Mixed Lab

ARF No.

Container Number:	092487FDA-22	Chemist	597
DOT Shipping Name:	WASTE OIL	598	
Container Type:	ISA/100	UN/NA Number:	NA1831
Hazard Class:	CORROSIVE MATERIAL	HM	X

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RO	EPA Waste Code Number
01	Sulfuric Acid 30%	4X1PT		DOG 2
02				
03	(IN VERMONT)			
04				
05				
06				
07				
08				
09				
10				
11				
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This Lab Pack list continues:

Yes ☐

No ☒

This is page

of

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DEQ020647

US V. MSP
PRODUCED BY MSP 9/93
Box 1000
WASTE MANAGEMENT
MAINTENANCE

MSD078

0653

GSX**Container Contents**☐ Bulk☒ Mixed Lab

ARF No. _____

Container Number: 102287FDR-22		Chemist: <i>Raw</i>
DOT Shipping Name: WASTE OIL/UM		598 597
Container Type: ISAL100	UN/NA Number: NA1831	HM X
Hazard Class: CORROSIVE MATERIAL		

Receiving	Routing	Shipping
	<i>SEA</i>	

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	SULFURIC ACID, FUMING	2X1PT		D662
02	IN VERMICULITE			
03				
04				
05				
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07				
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This Lab Pack list continues:

Yes ☐No ☒

This is page 1 of 1

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

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U.S. V. MSP
PRODUCED BY MSP 9/93
Box 12342 Request 12345
WASTE MANAGEMENT
SYSTEMS

MSD078

DE002064B

0654

GSX**Container Contents**RA-2004☐ Bulk☒ Mixed Lab

Container Number: <u>091057 LEW 05</u>		Chemist <u>PW</u>
DOT Shipping Name: <u>WASTE, CORROSIVE LIQUID NOS</u>		596 597
Container Type: <u>35-S</u>	UN/NA Number: <u>UN1760</u>	HM <u>X</u>
Hazard Class: <u>CORROSIVE MATERIAL</u>		

Receiving	Routing	Shipping

Line No	Material Description	Material Quantity	RO	EPA Waste Code Number
01	<u>ARSENIOUS ACID</u>	<u>2 x 1" (G)</u>	<u>X</u>	<u>D004</u>
02		<u>1 x 10Z (P)</u>		<u>↓</u>
03		<u>1 x 40Z (P)</u>		<u>↓</u>
04	<u>PHOSPHORIC ACID</u>	<u>1 x 80Z (G)</u>		<u>D002</u>
05	<u>HYDROCHLORIC ACID</u>	<u>2 x 60Z (P)</u>		<u>D002</u>
06				
07				
08				
09	<u>(IN VERMICULITE)</u>			
10				
11				
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This Lab Pack list continues:

Yes ☐ No ☒This is page 1 of 1

ORIGINAL—FINAL GSX T.S.O. • GREEN—TRANS/CERT • YELLOW—DISPOSER • PINK—1ST GSX T.S.O. • GOLD—GENERATOR

DE0020649

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US V. MSP
PRODUCED BY MSP 9/93
Box 1000
WASTE MANAGEMENT
Hazardous Waste
Manifests

MSD078

0655

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GSX

Container Contents

RL-2004

☐ Bulk

☒ Mixed Lab

Container Number:	110187 IRT OA	Chemist	WILLIAM
DOT Shipping Name:	HAZARDOUS WASTE RESIDUES	598	597
Container Type:	35.5	UN/NA Number:	NA 9133
Hazard Class:	ORM-E	HM	X

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	Collected Residue, 1-1/2 gal	2 1/2 gal	X	2XX:4
02	CHLORAL ALCOHOL SOLUTION	(WASS)		
03	pH 4.6			
04	IN VERMICULITE			
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This Lab Pack list continues;

Yes ☐ No ☒

This is page 1 of 1

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DE0020650

U.S. MSP
PRODUCED BY MSP 9/93
Box 12502
UNIFORM HAZARDOUS
WASTE MANIFESTS

MSD078

0656

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GSX

Container Contents

RQ-2004

☐ Bulk

☒ Mixed Lab

Container Number: 110187 IRT OB	Chemist HALLAM
DOT Shipping Name: HAZARDOUS WASTE RESIDUES	598 597
Container Type: 35.5	UN/NA Number: NA 9189
Hazard Class: ORM-E	HM X

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	Calcium Arsenide, Hydro	2x 1/2 GAL	X	2004
02	Chloric Acid Solution	(GLASS)		
03	pH 4-6			
04	IN VERMICULITE			
05				
06				
07				
08				
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This Lab Pack list continues;

Yes ☐

No ☐

This is page _____ of _____.

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DERO20651

U.S. V. MSP
PRODUCED BY MSP 9/93
RELEASABLE
DO NOT
USE FOR
WASTE
MANAGEMENT
TESTS

MSD078

0657

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

GSX

Container Contents

RQ-2004

☐ Bulk

☒ Mixed Lab

Container Number:	10187 IRT OC	Chemist	HALLAM
DOT Shipping Name:	HAZARDOUS WASTE LIQUIDS	598	597
Container Type:	35-5	UN/NA Number:	NA 9189
Hazard Class:	ORM-E	HM	X

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	GALLIUM ARSENIDE, HYDRO	2 x 1/2 GAL	X	2004
02	CHLORAL ACID SOLUTION	(GLASS)		
03	pH 4-6			
04	IN VERMICULITE			
05				
06				
07				
08				
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This Lab Pack list continues:

Yes ☐ No ☐

This is page ____ of ____.

ORIGINAL—FINAL GSX T.S.D. • GREEN—TRANS/CERT • YELLOW—DISPOSER • PINK—1ST GSX T.S.D. • GOLD—GENERATOR

DE0020652

US V. MSP
PRODUCED BY MSP 9/93
Box 12502
WASTE MANAGEMENT
RELEASED

MSD078

0658

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GSX

Container Contents

☐ Bulk

☒ Mixed Lab

Container Number: 110187 IRT 00		Chemist: HALLAM
DOT Shipping Name: HIGHLY FLAMMABLE LIQUID, NOS		598 597
Container Type: 35-5	UN/NA Number: UN1993	HM: X
Hazard Class: FLAMMABLE LIQUID		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	ETHANOL WITH TRACE	5 X 1PT (G)		2001
02	PICHLORIC ACID SOLUTION	1 X 1PT (P)		
03				
04	IN METAL CANS BAGGED			
05	IN VERMICULITE			
06				
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This Lab Pack list continues:

Yes ☐ No ☐

This is page _____ of _____

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DEQ020653

US V. MSP
PRODUCED BY: MSP 9/93
Box 1, DEQ 2, 10/93
UNIFORM HAZARDOUS WASTE MANIFESTS

MSD078

0659

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U.S. V. MSP
PRODUCED BY MSP-9/93
Box 10502
UNIFORM HAZARDOUS WASTE MANIFESTS

MSD078

0660



Container Contents

☐ Bulk

☒ Mixed Lab

Container Number:	110187 IRTOE	Chemist	HALLAM
DOT Shipping Name:	WHITE TETRAETHYLETHIO PYROPHOSPHATE	598	597
Container Type:	3515	UN/NA Number:	UN1704
Hazard Class:	POISON B		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RO	EPA Waste Code Number
01	FUMIGANT WITH 15% TETRAETHYLETHIO PYROPHOSPHATE	9x3oz(m)		P109
02				
03				
04				
05				
06				
07				
08				
09				
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This Lab Pack list continues;

Yes ☐ No ☒

This is page 1 of 1

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DE0020654

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GSX

Container Contents

☐ Bulk

☒ Mixed Lab

ARF No. _____

Container Number: 092287ASN-04	Chemist: Tony
DOT Shipping Name: WASTE ALUMINUM CHLORIDE, ANHYDROUS	690 598
Container Type: 35/5	UN/NA Number: UN1726
Hazard Class: CORROSIVE MATERIAL	HM: X KEEP DRY

Receiving	Routing	Shipping
	C-Ken	

Line No.	Material Description	Material Quantity	RO	EPA Waste Code Number
01	ALUMINUM Chloride Anhydrous Powder	2x500 (g)		2003
02				
03	(IN YERIM ZCULZTE)			
04				
05				
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This Lab Pack list continues:

Yes ☐ No ☒

This is page 1 of 1

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANSCERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DE0020655

US V. MSP
PRODUCED BY MSP 9/93
Box 2, 2nd Floor
WASTE MANAGEMENT
RESEARCH
RELEASEABLE

MSD078

0661

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US V. MSP
PRODUCED BY MSP 9/93
Box 10582
WASTE MANAGEMENT
LAUREL, ND 58003

MSD078

06662

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code

CSXL/CSXL/8703701/LP/

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact.

Return this form with any attachments to: MARINE SHALE PROCESSORS, INC.
Post Office Box 1698
Kenner, LA 70063
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: CSX. LAUREL ND Telephone: (800) 638-4440 x.0000
Facility Address: 3527 WHISKEY BOTTOM ROAD USEPA ID: ND9980554659

LAUREL, ND 58007-0000

Name of Waste: LAB PACK
Technical Contact: JILL BEALL JACK KENDR

Generating Process: Packaging of Lab Material
Title: MATERIALS ROUTING SUPPLY

B. CHANGES OR ADDITIONS SINCE LAST MCDS PREPARATION

1. Have you obtained any laboratory analysis of this waste? (If yes, attach results) ☐ yes ☒ no
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☒ no
3. Have you changed the waste generating process itself? ☐ yes ☒ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☒ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☒ no
6. If you answered "yes" to questions 2, 3, 4, or 5, please provide details below:

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW MCDS MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) Varies
Anticipated Volume: _____ Gals. _____ Cubic Yds. _____ Other 10,000 lbs
Per: ☐ One Time ☐ Week ☐ Month ☐ Quarter ☒ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertified waste profile sheet attached hereto, and the information supplied above, are complete, true and correct.

Name: Sam Turabull
Title: Sales

Signature: Sam Turabull
Date: 3/21/89

US V. MDP RELEASED
PRODUCED BY MDP 9/93
BOX 1522 REQUEST
UNIFORM HQ2AR JONS
WASTE MANIFESTS

0940

DE0020657

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

RECYCLE REUSE
MANIFEST NO 76591

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

MSP-034/87-0191

Form Approved OMB No 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No		Manifest No		2 Page X5 of 2		Information in the shaded areas is not required by Federal law	
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road Laurel, MD 20707		4 Generator's Phone (301) 953-9583		6 US EPA ID Number MD0980554653		7 Transporter's Phone (301) 953-583			
5 Transporter 1 Company Name GSX Services, Inc.		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 LA0981057706			
11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		12 Containers No Type		13 Total Quantity		14 Unit Wt/Vol			
a RQ Waste ORM-A, NOS ORM-A NA1693 (RQ - EPA F002) (5)		0 4 D F		4 0 P					
b RQ Hazardous Waste Liquid, NOS ORM-E NA9189 (RQ - EPA F002) (5)		0 1 D F		1 0 P					
c x Waste Hydrochloric Acid Corrosive Material UN1789 (5)		0 1 D F		1 0 P					
d x Waste Phosphoric Anhydride Corrosive Material NA1807 (5)		0 4 D F		4 0 P					
15 Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0610 Driver #: 2908 HWH-015 IF UNABLE TO DELIVER, RETURN TO GENERATOR In case of an emergency contact: GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-583 or 800/638-4440. Attn: T. Pfaffman.									
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 TOM PFAFFMAN		Signature Tom Pfaff		Month Day Year 11/20/87					
17 Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GORDON BOYD		Signature Gordon Boyd		Month Day Year 11/20/87					
18 Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year					
19 Discrepancy Indication Space DE0020658									
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19 Printed/Typed Name Gabriel LeBeau									
Signature Gabriel LeBeau		Month Day Year 11/20/87							

EPA Form #102-2, Rev. 4-77. Originals: DEQ Green-Generators 2nd Year-DEQ Green-Transporters, Good-Generators

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US V. MSP
PRODUCED BY MSP 9/93
Box 10502
LAUREL, MD 20707
WASTE MANIFESTS

MSD078

0664

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

MSP-034/87-0191

RECYCLE / REUSE

MANIFEST NO 76593

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

Form Approved OMB No. 2050-0029 Expires 3-31-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No MD098066466310002		2. Page 1 of 2		Information in the shaded areas is not required by Federal law	
3. Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road Laurel, MD 20707				A. State Manifest Tracking No. (MD-098066466310002)			
4. Generator's Phone (301) 953-9583				B. State Generator's ID			
5. Transporter 1 Company Name GSX Services, Inc.				C. State Transporter's ID			
6. US EPA ID Number MD098066466310002				D. Transporter's Phone 301/953-9583			
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 LA0981057706				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	
				No Type		Unit Wt/Vol	
a. X Waste Corrosive Solid, NOS Corrosive Material UN1759 (5)				0 1 D F		1 0 P	
b. RQ Waste Formic Acid Corrosive Material UN1779 (RQ - EPA D002) (20)				0 1 D F		5 0 P	
c. X Waste Bromine Corrosive Material UN1744 (5)				0 1 D F		1 0 P	
d. X Waste Potassium Permanganate Oxidizer UN1490 (5)				0 1 D F		1 0 P	
14. Additional Descriptions for Materials Listed Above GSX-L-87376							
15. Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0610 Driver #: 2908 IF UNABLE TO DELIVER, RETURN TO GENERATOR In case of an emergency contact: GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. Attn: T. Pfaffman.							
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 Tom Pfaffman				Signature Tom Pfaffman		Month Day Year 1/20/87	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name GORDON BOYD		Signature Gordon Boyd	
						Month Day Year 1/20/87	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
						Month Day Year	
19. Discrepancy Indication Space DEQ020659							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Godfrey LaBouc				Signature Godfrey LaBouc		Month Day Year 1/20/87	

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U.S. V. MSP
PRODUCED BY: MSP 9/93
Box 12502
Laurel, MD 20707
WASTE MANIFESTS

MSD078

0665

F

573701 NC 103

MCDS Document #

MARINE SHALE PROCESSORS, INC.
MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310

PLANT (504) 631-3626

MSP CODE: _____

MF # 10032 RC

Generator Name GSX Services INC.
Facility Address 3527 Whiskey Bottom Rd.
LAUREL, MD 20707City, State, Zip _____
Technical Contact JACK KEHOE
Title Routing Supervisor
Telephone NO. (301) 953-9583 EXT: _____
Facility EPA ID # MD090554653

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

SEE ATTACHED SHEETS

METALS (EP Toxicity Test, mg/l)

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

INORGANICS (mg/l or ppm)

SEE ATTACHED SHEETS
Total CN _____
Free CN _____
Sulfide _____
Chloride _____
Bisulfite _____
Sulfite _____
Sulfate _____
Phosphate _____
Fluorine _____
Bromine _____
Chlorine _____

ORGANICS (mg/l or ppm)

SEE ATTACHED SHEETS
Endrin _____
Methoxychlor _____
Toxaphene _____
2,4-D _____
2,4,5-T _____
Phenolics _____
PCBs _____
Dioxin _____
TOC _____

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 of composition or properties 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 11-09-87GENERATOR'S SIGNATURE: Tom Paffman

MSP FORM 1040 (REV. JUN 87)

DE0020660

Bill To: GSX Services, INC.
Company Contact: JACK KEHOE
Container Size: Varies
EPA Waste No. SEE ATTACHED SHEETS
Generating Process Packaging of Lab Chemicals
Common Name of Waste Packaged Lab Chemicals
Rate of Generation _____
Volume in Storage _____
Is Waste DOT Hazardous YES NO
Proper DOT Shipping Name SEE ATTACHED SHEETS
Hazard Class _____ ID No. SEE ATTACHED SHEETS
Transportation Equipment SEE ATTACHED SHEETS
Placarding SEE ATTACHED SHEETS

PHYSICAL DESCRIPTION SEE ATTACHED SHEETS

Physical State Liquid Semi-solid Solid
Phases/Layering Uni-Layer Bi-layer Multilayer
Viscosity High Medium Low
Type of Solids Organic Inorganic Mixed
Total Solids (wt. %) _____ Suspended Solids (wt. %) _____
BTU/lb _____ % Ash Content _____ % Water (by weight) _____
Flash Point (°F) _____ Type SEE ATTACHED SHEETS
Specific Gravity SEE ATTACHED SHEETS
Boiling Point (°C) _____ Freezing Point (°C) _____
Vapor Pressure (mm Hg @ 24°C) SEE ATTACHED SHEETS
pH (Avg) _____ (Range) _____
Total Alkalinity/Acidity (%) SEE ATTACHED SHEETS
Odor SEE ATTACHED SHEETS
Color SEE ATTACHED SHEETS

HAZARDOUS PROPERTIES SEE ATTACHED SHEETS

None
☐ Water Reactive ☐ Reactive ☐ Explosive
☐ Shock Sensitive ☐ Pyrophoric ☐ Polymizable
☐ Radioactive ☐ Pesticide Residuals ☐ Ignitable
☐ Corrosive ☐ Toxic Vapor ☐ Pathogen
☐ Biological ☐ Etiological
☐ Other _____

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

SEE ATTACHED SHEETS

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

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US V. MSP
PRODUCED BY MSP 9/93
Box 1000
LAUREL, MD 20707
WASTE MANAGEMENT

MSD078

0666



GSX Service, Inc.
3527 Whiskey Bottom Road
Laurel, Maryland 20707-9761
(301) 953-9583

873761

November 24, 1987

Mr. Richard Caire
Marine Shale Processors, Inc.
110 James Drive West, Suite 120
Saint Rose, LA 70087

Dear Mr. Caire:

Enclosed are some container content sheets for materials which are causing headaches for my facility. These materials have the possibility of exceeding the storage limit allowed by our permit.

I believe the materials are packed to your specifications, in plastic 5-gallon pails and in vermiculite. We can package them in any manner your plant requests if they don't meet your requirements. I would like to have these delivered next Thursday (December 3) with our previously approved load.

GSX will cooperate with you and your plant in any manner to expedite the disposal of these drums. I appreciate your help in handling this material.

Sincerely,

William B. Hallam
Operations Manager

WBH:by

Enclosures

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U.S. V. MSP
PRODUCED BY MSP 9/93
NOV 1987
WASTE MANAGEMENT
REQUEST # 1122482043

MSD078

DE0020661

0667

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U.S. MSP
PRODUCED BY MSP 9/93
Box 1, DEQ 2, Room 2, A-111
WASTE MANIFESTS

MSD078

0668

THIS FORM DOES NOT CONTAIN ANY DIOXINS, CHLORINATED FURANS, EXPLOSIVES OR RADIOACTIVE MATERIALS.

GSX

Container Contents

ARF No. _____

☐ Bulk

☒ Mixed Lab

Container Number:	090187EPL-26	Chemical	SE/Kee
DOT Shipping Name:	Waste, Oleum	596	597
Container Type:	15A-100	UN/NA Number:	NA1831
Hazard Class:	Corrosive Material	HM	☒

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	Sulfuric Acid, Fuming	1 X 1/2 Gal		D002
02				
03	(IN VERMICULITE)			
04				
05				
06				
07				
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This Lab Pack list continues:

Yes ☐ No ☒

This is page 1 of 1

ORIGINAL—FINAL GSX T.S.D. • GREEN—TRANS/CERT • YELLOW—DISPOSER • PINK—1ST GSX T.S.D. • GOLD—GENERATOR

DEQ020662

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US V. MSP PRODUCED BY MSP 6/93 Request
 BOX 122 WASTE MANAGEMENTISTS
 WASTE MANAGEMENTISTS

MSD078

1000

Container Contents

☐ Bulk

☒ Mixed Lab

ARF No. _____

Container Number: 092487FDA-22		Chemist Sauer
DOT Shipping Name: WASTE OILS		598 597
Container Type: 15A/100	UN/NA Number: NA1831	HM X
Hazard Class: CORROSIVE MATERIAL		

Receiving	Routing	Shipping
	Routing	

Line No.	Material Description	Material Quantity	RO	EPA Waste Code Number
01	Sulfuric Acid Wiping 30%	4X1PT		DOG 2
02				
03	(IN VERMICULITE)			
04				
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07				
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This Lab Pack list continues:

Yes ☐

No ☒

This is page

of

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DEQ020663

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

GSX

Container Contents

ARF No. _____

☐ Bulk

☒ Mixed Lab

Container Number:	102287PDP-22		Chemist
DOT Shipping Name:	WASTE OILS		598 597
Container Type:	ISA/100	UN/NA Number:	NA1831
Hazard Class:	CORROSIVE MATERIAL		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	SULFURIC ACID, 100% IN VERMICULITE	2X1PT		D662
02				
03				
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This Lab Pack list continues:

Yes ☐ No ☒

This is page 1 of 1

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DE0020664

U.S. V. MSP
PRODUCED BY MSP 9/93
NOT FOR RELEASE
WASTE MANAGEMENT
SYSTEMS

MSD078

0670

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GSX

Container Contents

RQ-2004

☐ Bulk

☒ Mixed Lab

Container Number: <u>091057 LEW 05</u>		Chemist <u>PW</u>
DOT Shipping Name: <u>WASTE CORROSIVE LIQUID NO 5</u>		596 597
Container Type: <u>35-S</u>	UN/NA Number: <u>UN1760</u>	HM <u>X</u>
Hazard Class: <u>CORROSIVE MATERIAL</u>		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	<u>ARSENIOUS ACID</u>	<u>2 x 1 # (G)</u>	<u>X</u>	<u>D004</u>
02		<u>1 x 10Z (P)</u>		<u>↓</u>
03		<u>1 x 40Z (P)</u>		<u>↓</u>
04	<u>PHOSPHORIC ACID</u>	<u>1 x 80Z (G)</u>		<u>D002</u>
05	<u>HYDROCHLORIC ACID</u>	<u>2 x 60Z (P)</u>		<u>D002</u>
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09	<u>(IN VERMICULITE)</u>			
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This Lab Pack list continues;

Yes ☐ No ☒

This is page 1 of 1

ORIGINAL—FINAL GSX T.S.D. • GREEN—TRANS/CERT • YELLOW—DISPOSER • PINK—1ST GSX T.S.D. • GOLD—GENERATOR

DER020665

U.S. V. MAP
PRODUCED BY: MAP 9/93
Box 1, DEQ 2, REQUEST 1
WASTE MANIFESTS

MSD078

0671

GSX**Container Contents**

RQ-2004

☐ Bulk☒ Mixed Lab

Container Number: 110187 IRT 0A		Chemist: HALLAM
DOT Shipping Name: HAZARDOUS WASTE SOLUTIONS		595 597
Container Type: 35.5	UN/NA Number: NA 9139	HM X
Hazard Class: ORM-E		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	SOLVENT ARSENITE, 1-WAL	2 x 2 GAL	X	2XX:4
02	CHLORAL ALCOHOL SOLUTION	(WASS)		
03	PH 4-6			
04	IN VERMICULITE			
05				
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This Lab Pack list continues:

Yes ☐ No ☒

This is page 1 of 1

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DE0020666

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U.S. MSP
PRODUCED BY MSP 9/93
Box 1000
UNIFORM HAZARDOUS WASTE MANIFESTS

MSD078**0672**

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

GSX

Container Contents

20-2004

☐ Bulk

☒ Mixed Lab

Container Number: 110187 IRT CB		Chemist HALLAM
DOT Shipping Name: HAZARDOUS WASTE RESIDUES		597
Container Type: 35-5	UN/NA Number: NA 9189	HM X
Hazard Class: ORM-E		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RO	EPA Waste Code Number
01	Calcium Peroxide, Hydro	2x 1/2 GAL	X	D004
02	Unreacted Acid Solution	(WASS)		
03	pH 4-6			
04	IN VERMICULITE			
05				
06				
07				
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This Lab Pack list continues:

Yes ☐ No ☐

This is page ____ of ____.

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DER020667

US V. MSP
PRODUCED BY MSP 9/93
Box 1 DEQ 2 100000 100000
WASTE FORM HAZARDOUS
WASTE MANIFESTS

MSD078

0673

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GSX

Container Contents

20-2004

☐ Bulk

☒ Mixed Lab

Container Number:	110187 IRT 0C	Chemist	HALLAM
DOT Shipping Name:	HAZARDOUS WASTE LEADONDS	598	597
Container Type:	35-5	UN/NA Number:	NA 9189
Hazard Class:	ORM-E	HM	X

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	Calcium Arsenide, Hydro	2x 1/2 GAL	X	2004
02	UNIONIC Acid Solution	(GLASS)		
03	pH 4-6			
04	IN VERMICULITE			
05				
06				
07				
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This Lab Pack list continues; Yes ☐ No ☐ This is page ____ of ____

ORIGINAL—FINAL GSX T.S.D. • GREEN—TRANS/CERT • YELLOW—DISPOSER • PINK—1ST GSX T.S.D. • GOLD—GENERATOR

DEQ020668

U.S. V. MSP
PRODUCED BY MSP 9/93
RELEASABLE
Box 4282
UNIFORM HAZARDOUS
WASTE MANIFESTS

MSD078

0674

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GSX

Container Contents

☐ Bulk

☒ Mixed Lab

Container Number:	110187 IRT 00	Chemist	HALLAM
DOT Shipping Name:	FLAMMABLE LIQUID, NOS	598	597
Container Type:	35.5	UN/NA Number:	UN1993
Hazard Class:	FLAMMABLE LIQUID	HM	X

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	ETHANOL WITH TRACES	5 L X 1 PT (G)		D001
02	PERCHLORIC ACID SOLUTION	1 X 1 PT (P)		
03				
04	IN METAL CANS BAGGED			
05	IN VERTICULETS			
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This Lab Pack list continues:

Yes ☐ No ☐

This is page _____ of _____

ORIGINAL—FINAL GSX T.S.O. • GREEN—TRANS/CERT • YELLOW—DISPOSER • PINK—1ST GSX T.S.D. • GOLD—GENERATOR

DE0020669

US V. MSP
PRODUCED BY MSP 9/93
Box 1000
WASTE MANAGEMENT
LABORATORY

MSD078

0675

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GSX

Container Contents

☐ Bulk

☒ Mixed Lab

Container Number: <u>110187 IRTOE</u>	Chemist: <u>NALLAM</u>
DOT Shipping Name: <u>WASTE, TETRAETHYLDETHO PHOSPHATE</u>	<u>598</u> 597
Container Type: <u>3515</u>	UN/NA Number: <u>MIXTURE</u> <u>UN1704</u>
Hazard Class: <u>POISON B</u>	

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	FUMIGANT WITH 15% TETRAETHYLDETHO PHOSPHATE	9x302(M)		P109
02				
03				
04				
05				
06				
07				
08				
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This Lab Pack list continues:

Yes ☐ No ☒

This is page 1 of 1

ORIGINAL—FINAL GSX T.S.D. • GREEN—TRANS/CERT • YELLOW—DISPOSER • PINK—1ST GSX T.S.D. • GOLD—GENERATOR

DEQ020670

US V. MSP
PRODUCED BY MSP 9/93
Box 1000
WASTE MANAGEMENT
WASTE MANAGEMENT
WASTE MANAGEMENT

MSD078

0676

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GSX

Container Contents

ARF No. _____

☐ Bulk

☒ Mixed Lab

Container Number: 092287ASN-04	Chemist: Tony
DOT Shipping Name: WASTE ALUMINUM CHLORIDE, ANHYDROUS	598 597
Container Type: 35/5	UN/NA Number: 4N1726
Hazard Class: CORROSIVE MATERIAL	HM X KEEP DRY

Receiving	Routing	Shipping
	C-Ken	

Line No.	Material Description	Material Quantity	RO	EPA Waste Code Number
01	Aluminum Chloride Anhydrous Powder	2 x 500 (g)		2003
02				
03	(IN VERMICULITE)			
04				
05				
06				
07				
08				
09				
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This Lab Pack list continues:

Yes ☐ No ☒

This is page 1 of 1

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DE0020671

US V. MSP
PRODUCED BY MSP 9/93
Box 10802
WASTE MANAGEMENT
WASTE MANAGEMENT
WASTE MANAGEMENT

MSD078

0677

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US V. MSP
PRODUCED BY MSP 9/93
Box 10502
LAUREL, MD 20707-0002
WASTE MANAGEMENT
TESTS

MSD078

0678

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET		MSP Approval Code CSXL/CSXL/0703701/LP/
Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact. Return this form with any attachments to: MARINE SHALE PROCESSORS, INC. Post Office Box 1698 Kenner, LA 70063 Attention: Technical Review		
A. GENERAL INFORMATION		
Generator Name: <u>CSX. LAUREL MD</u>	Telephone: <u>(800) 638-4440 x.0000</u>	
Facility Address: <u>3527 WHISKEY BOTTON ROAD</u>	USEPA ID: <u>MD9980554653</u>	
<u>LAUREL, MD 20707-0000</u>		
Name of Waste: <u>LAB PACK</u>	Generating Process: <u>Processing of laboratory material</u>	
Technical Contact: <u>JILL BEALL JACK KENOE</u>	Title: <u>MATERIALS ROUTING SUPPLY</u>	
B. CHANGES OR ADDITIONS SINCE LAST MCDS PREPARATION		
1. Have you obtained any laboratory analysis of this waste? (If yes, attach results) ☐ yes ☒ no		
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☒ no		
3. Have you changed the waste generating process itself? ☐ yes ☒ no		
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☒ no		
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☒ no		
6. If you answered "yes" to questions 2, 3, 4, or 5, please provide details below:		
IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW MCDS MUST BE SUBMITTED.		
SHIPPING INFORMATION		
Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) <u>Varies</u>		
Anticipated Volume: _____ Gals. _____ Cubic Yds. Other <u>10,000 lbs</u>		
Per: ☐ One Time ☐ Week ☐ Month ☐ Quarter ☒ Year		
RECERTIFICATION		
I am an employee of the generator authorized to sign this Recertification. The information provided in the recertified waste profile sheet attached hereto, and the information supplied above, are complete, true and correct.		
Name: <u>Sam Turabull</u>	Signature: <u>Sam Turabull</u>	
Title: <u>Sales</u>	Date: <u>3/21/89</u>	

PRODUCED BY MSP 9/93
US V. MSP Releasable
Box 112 Request
WASTE FOR HAZARDOUS
MAST MANIFESTS

MSD078

DE0020673

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

MSP-034/87-0191

RECYCLE / REUSE

MANIFEST NO 76593

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

Form Approved OMB No. 2050-0079 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No	Manifest Document No	2 Page 1 of 2	Information in the shaded areas is not required by Federal law
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road Laurel, MD 20707		4 Generator's Phone (301) 953-9583		A. State Manifest Document Number	
5 Transporter 1 Company Name GSX Services, Inc.		6 US EPA ID Number MD 0980554653		B. State Generator's ID	
7 Transporter 2 Company Name		8 US EPA ID Number		C. 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 0981057706		D. Transporter's Phone 301/953-9583	
				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 Unit Wt/Vol
a x Waste Corrosive Solid, NOS Corrosive Material UN1759		(5) 0 1 D F		1 0	P
b RQ Waste Formic Acid Corrosive Material UN1779 (RQ - EPA D002)		(20) 0 1 D F		5 0	P
c x Waste Bromine Corrosive Material UN1744		(5) 0 1 D F		1 0	P
d x Waste Potassium Permanganate Oxidizer UN1490		(5) 0 1 D F		1 0	P
15. Additional Descriptions for Materials Listed Above					
GSX-L-87376					
15. Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0610 Driver #: 2908 HWM 015 In case of an emergency contact: GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. Attn: T. Pfaffman.					
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 Tom Pfaffman		Signature Tom Pfaffman		Month Day Year 1/20/87	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Gordon Boyd		Signature Gordon Boyd	
				Month Day Year 1/20/87	
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 Godfrey LeBoeuf		Signature Godfrey LeBoeuf		Month Day Year 1/21/87	

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US V. MSP
PRODUCED BY MSP 9/93
Box 44307
LAUREL, MD 20707
HAZARDOUS WASTE MANIFEST

MSD078

06807

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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 76607

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

MSP-034/87-0191

Form Approved OMB No 2050-0079 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No		Manifest No		2 Page # of 2		Information in the shaded areas is not required by Federal law	
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road Laurel, MD 20707		M D D 9 8 0 5 5 4 6 5 3 1 0 0 3 2		6 US EPA ID Number M D D 9 8 0 5 5 4 6 5 3		A State Manifest Document Number		B State Generator's ID	
4 Generator's Phone (301) 953-9583						C State Transporter's ID		D Transporter's Phone 301/953-9583	
5 Transporter 1 Company Name GSX Services, Inc.						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		10 US EPA ID Number L A D 9 8 1 0 5 7 7 0 6						(504) 631-3511	
11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM				12 Containers No Type		13 Total Quantity		14 Unit Wt/Vol	
a. x Poison B Liquid, NOS Poison B UN2810 (5)				1 0 D F		1 0 0		P	
b. x Waste Cyanogen Bromide Poison B UN1889 (5)				0 1 D F		1 0		P	
c. x Waste Poison B Solid, NOS Poison B UN2811 (30)				0 1 D F		7 5		P	
d. x Waste Cyanide Solution, NOS Poison B UN1935 (5)				0 1 D F		1 0		P	
15. Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0610 Driver #: 2908 HWH-015 IF UNABLE TO DELIVER, RETURN TO GENERATOR In case of an emergency contact: GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. Attn: T. Pfaffman									
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 Tom Pfaffman				Signature Tom Pfaffman		Month Day Year 1/29/87			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GORDON BOYD				Signature Gordon Boyd		Month Day Year 1/29/87			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year			
19. Discrepancy Indication Space 12-C-Container Rejected- Waste No. Not Listed on Air Quality Notice DEB020675									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Gordon Boyd				Signature Gordon Boyd		Month Day Year 1/29/87			

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U.S. V. MSP
PRODUCED BY MSP 9/93
RELEASED
Box 1000
U.S. V. MSP
WASTE MANIFESTS

MSD078

0681

F

873701 NUS 10

MCDS Document #

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310
PLANT (504) 631-3626

MSP CODE: _____

MF # 10032

Generator Name GSX Services INC
Facility Address 3527 Whiskey Bottom Rd.
LAUREL, MD 20707City, State, Zip _____
Technical Contact JACK KEHOE
Title Routing Supervisor
Telephone NO. 1-301-953-9583 EXT. _____
Facility EPA ID # MD0980554653CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

SEE ATTACHED SHEETS	%
	%
	%
	%
	%
	%

METALS (EP Toxicity Test, mg/l)

Artenic (As)	SEE ATTACHED SHEETS
Barium (Ba)	Silver (Ag)
Cadmium (Cd)	Copper (Cu)
Chromium (Cr)	Nickel (Ni)
Lead (Pb)	Zinc (Zn)
Mercury (Hg)	
Selenium (Se)	

INORGANICS (mg/l or ppm)

Total CN	SEE ATTACHED SHEETS
Free CN	Iodine
Sulfide	Asbestos
Chloride	
Bisulfite	
Sulfite	
Sulfate	
Phosphate	
Fluorine	
Bromine	
Chlorine	

ORGANICS (mg/l or ppm)

Endrin	SEE ATTACHED SHEETS
Methoxychlor	Organohalide
Toxaphene	Mercaptans
2,4-D	
2,4,5-T	0
Phenolics	
PCBs	0
Dioxin	0
TOC	

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 of composition or properties 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 11-09-87GENERATOR'S SIGNATURE: Tom Paffman

MSP FORM 1040 (REV. JUNE 87)

DEQ020676

Bill To: GSX Services INC.
Company Contact: JACK KEHOE
Container Size: varies
EPA Waste No. SEE ATTACHED SHEETS
Generating Process Packaging of Lab Chemicals
Common Name of Waste Packaged Lab Chemicals
Rate of Generation _____ PER _____
(Time Interval)
Volume In Storage _____ IN _____
(Container Size and Type)
Is Waste DOT Hazardous YES NO
Proper DOT Shipping Name SEE ATTACHED SHEETS
Hazard Class _____ ID No. SEE ATTACHED SHEETS
Transportation Equipment SEE ATTACHED SHEETS
Placarding SEE ATTACHED SHEETS

PHYSICAL DESCRIPTION SEE ATTACHED SHEETS

Physical State ☐ Liquid ☐ Semi-solid ☐ Solid
Phases/Layering ☐ Uni-Layer ☐ Bilayer ☐ Multilayer
Viscosity ☐ High ☐ Medium ☐ Low
Type of Solids ☐ Organic ☐ Inorganic ☐ Mixed
Total Solids (wt. %) _____ Suspended Solids (wt. %) _____
BTU/lb _____ % Ash Content _____ % Water (by weight) _____
Flash Point (°F) _____ Type SEE ATTACHED SHEETS
Specific Gravity SEE ATTACHED SHEETS
Boiling Point (°C) _____ Freezing Point (°C) _____
Vapor Pressure (mm Hg @ 24°C) SEE ATTACHED SHEETS
pH (Avg) _____ (Range) _____ to _____
Total Alkalinity/Acidity (%) SEE ATTACHED SHEETS
Odor SEE ATTACHED SHEETS
Color SEE ATTACHED SHEETS

HAZARDOUS PROPERTIES SEE ATTACHED SHEETS

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

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

SEE ATTACHED SHEETS

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

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US V. MSP
PRODUCED BY MSP 9/93
Box 2, DEQ 2, Room 204
WASTE MANAGEMENT
DIVISION

MSD078

06882



GSX Services, Inc.
3527 Whiskey Bottom Road
Laurel, Maryland 20707-9761
(301) 953-9583

873701

November 24, 1987

Mr. Richard Caire
Marine Shale Processors, Inc.
110 James Drive West, Suite 120
Saint Rose, LA 70087

Dear Mr. Caire:

Enclosed are some container content sheets for materials which are causing headaches for my facility. These materials have the possibility of exceeding the storage limit allowed by our permit.

I believe the materials are packed to your specifications, in plastic 5-gallon pails and in vermiculite. We can package them in any manner your plant requests if they don't meet your requirements. I would like to have these delivered next Thursday (December 3) with our previously approved load.

GSX will cooperate with you and your plant in any manner to expedite the disposal of these drums. I appreciate your help in handling this material.

Sincerely,

William B. Hallam
Operations Manager

WBH:by

Enclosures

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U.S. MSP
Produced by MSP 9/93
Box 4550
WASTE MANAGEMENT
Hazardous Waste
Hazardous Waste
Hazardous Waste

MSD078

DEQ020677

0683

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THIS WASTE DOES NOT CONTAIN ANY DIOXINS, CHLORINATED FURANS, EXPLOSIVES OR RADIOACTIVE MATERIALS.

GSX

Container Contents

ARF No. _____

☐ Bulk

☒ Mixed Lab

Container Number:	090187 EPL-26	Chemist	SE/Kchee
DOT Shipping Name:	Waste, Oleum	596	597
Container Type:	15A-100	UN/NA Number:	NA1831
Hazard Class:	Corrosive Material	HM	☒

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RO	EPA Waste Code Number
01	Sulfuric Acid, Fuming	1X 1/2 Gal		D002
02				
03	(IN VERMICULITE)			
04				
05				
06				
07				
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This Lab Pack list continues;

Yes ☐ No ☒

This is page 1 of 1.

ORIGINAL—FINAL GSX T.S.D. • GREEN—TRANS/CERT • YELLOW—DISPOSER • PINK—1ST GSX T.S.D. • GOLD—GENERATOR

DEQ020678

U.S. V. MAP
PRODUCED BY MAP 9/93
Box 12502
UNIFORM HAZARDOUS
WASTE MANIFESTS

MSD078

0684

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

GSX

Container Contents

☐ Bulk

☒ Mixed Lab

ARF No. _____

Container Number: 092487FDA-22		Chemist S. Allen
DOT Shipping Name: WASTE OILS		598 597
Container Type: 15A/100	UN/NA Number: NA1831	HM X
Hazard Class: CORROSIVE MATERIAL		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RO	EPA Waste Code Number
01	Sulfuric Acid 30%	4X1PT		DOG 2
02				
03	(IN VERMICULITE)			
04				
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This Lab Pack list continues:

Yes ☐

No ☒

This is page

of

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DEQ020679

U.S. MSP
PRODUCED BY MSP 9/93
Box 1 DEQ 2 800-243-1000
WASTE MANAGEMENT
MAINTENANCE

MSD078

0685

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US V. MSP
PRODUCED BY MSP 9/93
Box 1, DEQ 2, Room 401
WASTE MANAGEMENT
DIVISION

MSD078

0686

GSX

Container Contents

☐ Bulk

☒ Mixed Lab

ARF No. _____

Container Number:	102207FDR-22	Chemist	Bauer
DOT Shipping Name:	WASTE OIL	598	597
Container Type:	ISA100	UN/NA Number:	NA1831
Hazard Class:	CORROSIVE MATERIAL		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	SULFURIC ACID, Fuming	2X1PT		D602
02	IN VAPORIZATOR			
03				
04				
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This Lab Pack list continues:

Yes ☐ No ☒

This is page 1 of 1

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DEQ020680

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GSX

Container Contents

RQ-2004

☐ Bulk

☒ Mixed Lab

Container Number: <u>091087 LEW 05</u>		Chemist <u>PW</u>
DOT Shipping Name: <u>WASTE, CORROSIVE LIQUID, NOS</u>		596 597 598
Container Type: <u>35-5</u>	UN/NA Number: <u>UN1760</u>	HM <u>X</u>
Hazard Class: <u>CORROSIVE MATERIAL</u>		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	<u>ARSENIOUS ACID</u>	<u>2 x 1^{lb} (G)</u>	<u>X</u>	<u>D004</u>
02		<u>1 x 10Z (P)</u>		
03		<u>1 x 40Z (P)</u>		
04	<u>PHOSPHORIC ACID</u>	<u>1 x 80Z (G)</u>		<u>D002</u>
05	<u>HYDROCHLORIC ACID</u>	<u>2 x 60Z (P)</u>		<u>D002</u>
06				
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09	<u>(IN VERMICULITE)</u>			
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This Lab Pack list continues:

Yes ☐

No ☒

This is page 1 of 1

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DE0020681

US V. MSP
PRODUCED BY MSP 9/93
NOT FOR RELEASE
UNLESS
WASTE MANIFESTS

MSD078

0687

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US V. MSP
Produced by MSP 4/83
Request 1
Box 2
INFORM HAZARDOUS
WASTE MANIFESTS

MSD078



Container Contents

20-2004

☐ Bulk

☒ Mixed Lab

Container Number: 110187 IRT 0A		Chemist HALLAM
DOT Shipping Name: Hazardous Waste Residues		598 597
Container Type: 35.5	UN/NA Number: NA 9139	HM X
Hazard Class: ORM-E		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	Calcium Hydroxide, 1-HR	21 1/2 gal	X	EXX:4
02	Chloric Acid Solution	(Glass)		
03	pH 4-6			
04	IN VERMICULITE			
05				
06				
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This Lab Pack list continues;

Yes ☐

No ☒

This is page 1 of 1

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DE0020682

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GSX

Container Contents

20-2004

☐ Bulk

☒ Mixed Lab

Container Number: 110187 IRT OB		Chemist: HALLAM
DOT Shipping Name: HAZARDOUS WASTE LEADONDS		597
Container Type: 35-5	UN/NA Number: NA 9189	HM X
Hazard Class: ORM-E		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	Calcium Peroxide, Hydro	2 x 1/2 GAL	X	2004
02	Unhydro Acid Sulfuric	(GASS)		
03	pH 4-6			
04	IN VERMICULITE			
05				
06				
07				
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This Lab Pack list continues;

Yes ☐ No ☐

This is page _____ of _____

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DE0020683

US V. MSP
PRODUCED BY MSP 9/93
Box 1 DEQ 2 2004
WASTE MANAGEMENT
WASTE MANAGEMENT

MSD078

0689

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GSX

Container Contents

RD-2004

☐ Bulk

☒ Mixed Lab

Container Number: 110187 IRT 0C		Chemist HALLAM
DOT Shipping Name: HAZARDOUS WASTE BEULFONDS		598 597
Container Type: 35-5	UN/NA Number: NA 9189	HM X
Hazard Class: ORM-E		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RO	EPA Waste Code Number
01	Calcium Peroxide, Hydro	2x 1/2 GAL	X	2004
02	Chloric Acid Solution	(GLASS)		
03	pH 4-6			
04	IN VERMICULITE			
05				
06				
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This Lab Pack list continues;

Yes ☐ No ☐

This is page _____ of _____

ORIGINAL—FINAL GSX T.S.D. • GREEN—TRANS/CERT • YELLOW—DISPOSER • PINK—1ST GSX T.S.D. • GOLD—GENERATOR

DEQ020684

U.S. V. MSP
PRODUCED BY MSP 9/93
Box 12502
UNIT FOR HAZARDOUS
WASTE ANALYSTS

MSD078

0690

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GSX

Container Contents

☐ Bulk

☒ Mixed Lab

Container Number: 110187 IRT 00		Chemist HALLAM
DOT Shipping Name: FLAMMABLE LIQUID, NOS		598 597
Container Type: 35-5	UN/NA Number: UN1993	HM X
Hazard Class: FLAMMABLE LIQUID		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	ETHANOL WITH TRACER	1 X 1PT (G)		2001
02	PERCHLORIC ACID SOLUTION	1 X 1PT (P)		
03				
04	IN METAL CANS BAGGED			
05	IN VERMICULITE			
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Yes ☐ No ☐

This is page _____ of _____

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DEQ020685

U.S. V. MSP
PRODUCED BY MSP 9/93
Box 1, DEQ 2, Room 304
UNIFORM HAZARDOUS
WASTE MANIFESTS

MSD078

0691

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GSX

Container Contents

☐ Bulk

☒ Mixed Lab

Container Number: 110187 IRT 0 E	Chemist HALLAM
DOT Shipping Name: WHITE TETRAETHYL DITHIO PHOSPHATE	598 597
Container Type: 3515	UN/NA Number: UN1704
Hazard Class: POISON B	

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RO	EPA Waste Code Number
01	FUMIGANT WITH 1570	9x302(M)		P109
02	TETRA ETHYL DITHIO PHOSPHATE			
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This Lab Pack list continues:

Yes ☐

No ☒

This is page **1** of **1**

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DEQ020686

U.S. MSP
PRODUCED BY MSP 9/93
Box 12502
UNIFORM HAZARDOUS
WASTE MANIFESTS

MSD078

0692

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Container Contents

☐ Bulk

☒ Mixed Lab

ARF No. _____

Container Number: 092287ASN-07	Chemist: Tony
DOT Shipping Name: WASTE ALUMINUM CHLORIDE, ANHYDROUS	598 597
Container Type: 35/5	UNINA Number: UN1726
Hazard Class: CORROSIVE MATERIAL	HM X KEEP DRY

Receiving	Routing	Shipping
	C-Ken	

Line No.	Material Description	Material Quantity	RO	EPA Waste Code Number
01	ALUMINUM Chloride Anhydrous Powder	2x500 (g)		D003
02				
03	(IN VERMICULITE)			
04				
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This Lab Pack list continues:

Yes ☐ No ☒

This is page 1 of 1

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DE0020687

US V. MSP
PRODUCED BY MSP 9/93
Box 1050
WASTE MANAGEMENT
REQUEST A-111
1122A0015

MSD078

0693

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US V. MSP
PRODUCED BY MSP 9/93
Box 1250
LAUREL, MD 20707-0000
WASTE MANAGEMENT
TESTS

MSD078

0694

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code

CSXL/CSXL/0703701/LP/

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact.

Return this form with any attachments to: MARINE SHALE PROCESSORS, INC.
Post Office Box 1698
Kenner, LA 70063
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: CSX, LAUREL MD Telephone: (800) 638-4440 x.0000
Facility Address: 3527 WHISKEY BOTTOM ROAD USEPA ID: MD9900554653
LAUREL, MD 20707-0000

Name of Waste: LAB PACK Generating Process: Reprocessing of Laboratory
Technical Contact: JILL BEALL JACK KENOE Title: MATERIALS ROUTING SUPPLY

B. CHANGES OR ADDITIONS SINCE LAST MCDS PREPARATION

1. Have you obtained any laboratory analysis of this waste? (If yes, attach results) ☐ yes ☒ no
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☒ no
3. Have you changed the waste generating process itself? ☐ yes ☒ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☒ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☒ no
6. If you answered "yes" to questions 2, 3, 4, or 5, please provide details below:

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW MCDS MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) Varies
Anticipated Volume: _____ Gals. _____ Cubic Yds. Other 10,000 lbs
Per: ☐ One Time ☐ Week ☐ Month ☐ Quarter ☒ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertified waste profile sheet attached hereto, and the information supplied above, are complete, true and correct.

Name: Sam Turnbull Signature: Sam Turnbull
Title: Sales Date: 3/21/99

DERO20688

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Purolator courier.		Forwarder Account No. 53-7C-4E32		Date 11-9-87		512994176	
Service ☐ Check One - See description for detail ☐ Purolator ☐ Overnight Letter		☒ Priority Mail ☐ Overnight Package		☐ Priority Registered ☐ Overnight Service		☐ Standard 3 day Service	
☐ Optional Service ☐ Excess Weight Charge		☐ Excess Weight Charge		☐ Excess Weight Charge		☐ Excess Weight Charge	
From Tom PFAFFMAN		Sender's Area Code/Phone Number (301) 353-1111		To Mr. Jack M. ...		Recipient's Area Code/Phone Number (504) 465-1111	
Company Name PFAFFMAN		Street Address 1111 ...		City ...		State ...	
Zip Code ...		P.O. or Reference Number ...		Street Address 110 J. ...		City ...	
State ...		Zip Code ...		State ...		Zip Code ...	
Third Party Billing Name/Address ...		Weight ...		Length ...		Width ...	
Height ...		Volume ...		Total Charges ...		Total Charges ...	
Special Charge ☐ DB		Carrier Used ☐ DB		U.S. - See 4 digit ...		PUROLATOR USE ONLY ...	

RECIPIENT'S COPY

Box 1 DEQ 2 Request 4
WASTE MANIFESTS
LAVERGNE HAZARDOUS
US V. MSP
PRODUCED BY MSP 9/93
Releasable

MSD078

DE0020489

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

RECYCLE / REUSE

MANIFEST NO 76607

MSP-034/87-0191

Form Approved OMB No. 2050-0070 Expires 9-30-88

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

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No	2 Page # of 2	3 Information in the shaded areas is not required by Federal law
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road Laurel, MD 20707		4 Generator's Phone (301) 953-9583	5 US EPA ID Number M D D 9 8 0 5 5 4 6 5 3 1 0 8 0 3 1 2	6 State Manifest Document Number
5 Transporter 1 Company Name GSX Services, Inc.		6 US EPA ID Number M D D 9 8 0 5 5 4 6 5 3	7 Transporter's Phone 301/953-9583	8 State Transporter's ID
7 Transporter 2 Company Name		8 US EPA ID Number	9 Transporter's Phone	10 State Facility'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 L A D 9 8 1 0 5 7 7 0 6	11 Facility's Phone (504) 631-3161	12 State Facility's ID
11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		12 Containers No Type	13 Total Quantity	14 Unit Wt/Vol
a. x Poison B Liquid, NOS Poison B UN2810 (5)		1 0 D F	1 0 0	P
b. x Waste Cyanogen Bromide Poison B UN1889 (5)		0 1 D F	1 0	P
c. x Waste Poison B Solid, NOS Poison B UN2811 (30) Reject		0 1 D F	7 5	P
d. x Waste Cyanide Solution, NOS Poison B UN1935 (5)		0 1 D F	1 0	P
15 Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0610 Driver #: 2908 HWH-015 IF UNABLE TO DELIVER, RETURN TO GENERATOR In case of an emergency contact: GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. Attn: T. Pfaffman				
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 Tom Pfaffman		Signature Tom Pfaffman		Month Day Year 12/01/87
17 Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GORDON BOYD		Signature Gordon Boyd		Month Day Year 12/01/87
18 Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19 Discrepancy Indication Space 12-C- Container Rejected. Waste No. not listed on Air Quality Notice DER020690				
20 Facility Owner or Operator Printed/Typed Name Godfrey LeBeau		Signature Godfrey LeBeau		Month Day Year 12/01/87

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U.S. MSP
PRODUCED BY MSP 9/93
Box 12502
Request Hazardous Waste Manifests

MSD078

0696

7

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

MSP-034/87-0191

RECYCLE / REUSE

MANIFEST No 76605

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

Form Approved OMB No 2050-0038 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's USEPA ID No	Manifest Document No	2 Page 1 of 2	3 Information in the shaded areas is not required by Federal law
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road Laurel, MD 20707		MD D 9 8 0 6 6 A 6 5 3	100032		
4 Generator's Phone () 301 953-9583					
5 Transporter 1 Company Name GSX Services, Inc.		MD D 9 8 0 5 5 4 6 5 3			
7 Transporter 2 Company Name					
9 Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		LA 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		13 Total Quantity	14 Unit Wt/Vol
a x Waste Poison B Solid, NOS Poison B UN2811 (30)		0 1 D F		7 5	P
b x Waste Calcium Cyanide Solid Poison B UN1575 (5)		0 1 D F		1 0	P
c x Waste Heptane Flammable Liquid UN1206 (5)		0 3 D M		3 0	P
d x Waste Tetrachloroethane ORM-A UN1702 (5)		0 1 D M		1 0	P
15 Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0610 Driver #: 2908 HWH-015 In case of emergency contact: GSX Services, Inc., 3527 Whiskey Bottom Road, Laurel, MD 20707 at 301/953-9583 or 800/638-4440. Attn: T. Pfaffman 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 Tom PFAFFMAN		Signature Tom Pfaffman		Month Day Year 1/29/87	
17 Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GORDON BOYD		Signature Gordon Boyd		Month Day Year 1/29/87	
18 Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19 Discrepancy Indication Space DER020691					
20 Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Gordon Boyd					
Signature Gordon Boyd		Month Day Year 1/29/87			

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US V. MSP
PRODUCED BY MSP 9/83
Box 1050
WASTE MANIFESTS

MSD078

0697

573701 RC 103
MCDS Document #

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310
PLANT (504) 631-3626

MSP CODE: _____

MF # 10032 RC

Generator Name G-SX Services INC
Facility Address 3527 Whiskey Bottom Rd.
LAUREL MD 20707

City, State, Zip _____
Technical Contact JACK KEHOE
Title Routing Supervisor
Telephone NO. (301) 953-9583 EXT: _____
Facility EPA ID # MD0980554653

CHEMICAL COMPOSITION (No Trade Name) (Totals must add up to 100%)

SEE ATTACHED SHEETS	%
	%
	%
	%
	%
	%

METALS (EP Toxicity Test, mg/l)

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

INORGANICS (mg/l or ppm)

SEE ATTACHED SHEETS	
Total CN	Iodine
Free CN	Asbestos
Sulfide	0
Chloride	
Bisulfite	
Sulfite	
Sulfate	
Phosphate	
Fluorine	
Bromine	
Chlorine	

ORGANICS (mg/l or ppm)

SEE ATTACHED SHEETS	
Endrin	Organohalides
Methoxychlor	Mercaptans
Toxaphene	
2,4-D	
2,4,5-T	0
Phenol(s)	
PCBs	0
Dioxin	0
TOC	

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 of composition or properties 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 11-09-87

GENERATOR'S SIGNATURE: Tom PFAFF

MSP FORM 1146 (REV. JUNE 87)

DEQ020692

Bill To: G-SX Services INC.
Company Contact: JACK KEHOE
Container Size: Varies
EPA Waste No.: SEE ATTACHED SHEETS
Generating Process: Packaging of Lab Chemicals
Common Name of Waste: Packaged Lab Chemicals
Rate of Generation: _____ PER _____
Volume in Storage: _____ IN _____
Is Waste DOT Hazardous: YES NO
Proper DOT Shipping Name: SEE ATTACHED SHEETS
Hazard Class: _____ ID No.: SEE ATTACHED SHEETS
Transportation Equipment: SEE ATTACHED SHEETS
Placarding: SEE ATTACHED SHEETS

PHYSICAL DESCRIPTION SEE ATTACHED SHEETS

Physical State: Liquid Semi-solid Solid
Phases/Layering: Uni-Layer Bilayer Multilayer
Viscosity: High Medium Low
Type of Solids: Organic Inorganic Mixed
Total Solids (wt. %): _____ Suspended Solids (wt. %): _____
BTU/lb: _____ % Ash Content: _____ % Water (by weight): _____
Flash Point (°F): _____ Type: SEE ATTACHED SHEETS
Specific Gravity: SEE ATTACHED SHEETS
Boiling Point, (°C): _____ Freezing Point, (°C): _____
Vapor Pressure (mm Hg @ 24°C): SEE ATTACHED SHEETS
pH (Avg): _____ (Range): _____ to _____
Total Alkalinity/Acidity (%): SEE ATTACHED SHEETS
Odor: SEE ATTACHED SHEETS
Color: SEE ATTACHED SHEETS

HAZARDOUS PROPERTIES SEE ATTACHED SHEETS

<u> </u> Water Reactive	<u> </u> Reactive	<u> </u> Explosive
<u> </u> Shock Sensitive	<u> </u> Pyrophoric	<u> </u> Polymizable
<u> </u> Radioactive	<u> </u> Pesticide Residuals	<u> </u> Ignitable
<u> </u> Corrosive	<u> </u> Toxic Vapor	<u> </u> Pathogen
<u> </u> Biological	<u> </u> Etiological	
<u> </u> Other		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

SEE ATTACHED SHEETS

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

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

US V. MSP
PRODUCED BY MSP 9/83
Box 1050
WASTE MANAGEMENT
REQUEST A-1050

MSD078

0698



GSX Services, Inc.
3527 Whiskey Bottom Road
Laurel, Maryland 20707-9761
(301) 953-9583

873701

November 24, 1987

Mr. Richard Caire
Marine Shale Processors, Inc.
110 James Drive West, Suite 120
Saint Rose, LA 70087

Dear Mr. Caire:

Enclosed are some container content sheets for materials which are causing headaches for my facility. These materials have the possibility of exceeding the storage limit allowed by our permit.

I believe the materials are packed to your specifications, in plastic 5-gallon pails and in vermiculite. We can package them in any manner your plant requests if they don't meet your requirements. I would like to have these delivered next Thursday (December 3) with our previously approved load.

GSX will cooperate with you and your plant in any manner to expedite the disposal of these drums. I appreciate your help in handling this material.

Sincerely,

William B. Hallam
Operations Manager

WBH:by

Enclosures

DEQ020693

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US V. MSP
PRODUCED BY MSP 9/93
Box 1000
LAUREL, MD 20707-9761
WASTE MANAGEMENT

MSD078

0699

THIS WASTE DOES NOT CONTAIN ANY DIOXINS, CHLORINATED FURANS, EXPLOSIVES OR RADIOACTIVE MATERIALS.

GSX

Container Contents

ARF No. _____

☐ Bulk

☒ Mixed Lab

Container Number:	090187EPL-26	Chemical	SE/Ketec
DOT Shipping Name:	Waste, Oleum	596	597
Container Type:	15A-100	UN/NA Number:	NA1831
Hazard Class:	Corrosive Material	HM	☒

Receiving	Routing	Shipping
XXXXXXXXXX		

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	Sulfuric Acid, Fuming	1 x 1/2 Gal		D002
02				
03	(IN VERMICULITE)			
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This Lab Pack list continues;

Yes ☐ No ☒

This is page 1 of 1

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DE0020694

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U.S. MSP
PRODUCED BY MSP 9/93
Box 12502
Request 1-1-93
WASTE MANAGEMENT
SYSTEMS

MSD078

0700

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GSX

Container Contents

☐ Bulk

☒ Mixed Lab

ARF No. _____

Container Number: 092487FDA-22		Chemist: <i>Sam</i>
DOT Shipping Name: <i>WASTE OIL</i>		598 597
Container Type: <i>15/100</i>	UN/NA Number: <i>NA1831</i>	HM: <i>X</i>
Hazard Class: <i>CORROSIVE MATERIAL</i>		

Receiving	Routing	Shipping
	<i>Routing</i>	

Line No.	Material Description	Material Quantity	RO	EPA Waste Code Number
01	<i>Sulfuric Acid 30%</i>	<i>4X1PT</i>		<i>DOG 2</i>
02				
03	<i>(21 VERMICULITE)</i>			
04				
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This Lab Pack list continues:

Yes ☐ No ☒

This is page *1* of *1*

ORIGINAL—FINAL GSX T.S.D. • GREEN—TRANS/CERT • YELLOW—DISPOSER • PINK—1ST GSX T.S.D. • GOLD—GENERATOR

DEQ020695

US V. MSP
PRODUCED BY MSP 9/93
Box 1000
WASTE MANAGEMENT
DEPT. OF ENVIRONMENTAL PROTECTION
1000 BOX 1000
WASTE MANAGEMENT

MSD078

0701

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GSX

Container Contents

☐ Bulk

☒ Mixed Lab

ARF No. _____

Container Number:	102287FDP-22	Chemist	Baum
DOT Shipping Name:	WASTE OIL	598	597
Container Type:	15A100	UN/NA Number:	NA1831
Hazard Class:	CORROSIVE MATERIAL		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RO	EPA Waste Code Number
01	SULFURIC ACID, Fuming	2X1PT		D562
02	IN VERMONT ETC			
03				
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This Lab Pack list continues:

Yes ☐ No ☒

This is page 1 of 1

ORIGINAL—FINAL GSX T.S.D. • GREEN—TRANS/CERT • YELLOW—DISPOSER • PINK—1ST GSX T.S.D. • GOLD—GENERATOR

DE0020696

US V. MSP
PRODUCED BY MSP 9/93
RELEASABLE
DATE 10/2/93
WASTE ANALYSTS

MSD078

0702

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PRODUCED BY MFP 9/03
Box 1, LDC 2, Request 1
UNIFORM HH29R J045
WASTE MANIFESTS

MSD078

1111

GSX

Container Contents

RQ-2004

☐ Bulk

☒ Mixed Lab

Container Number: 091087 LEW 05		Chemist PW
DOT Shipping Name: WASTE CORROSIVE LIQUID NOS		596 597
Container Type: 35-S	UN/NA Number: UNIT 60	HM X
Hazard Class: CORROSIVE MATERIAL		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	ARSENIOUS ACID	2 x 1 ^{lb} (G)	X	2004
02		1 x 10Z (P)		↓
03		1 x 40Z (P)		↓
04	PHOSPHORIC ACID	1 x 80Z (G)		2002
05	HYDROCHLORIC ACID	2 x 60Z (P)		2002
06				
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09	(IN VERMICULITE)			
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This Lab Pack list continues;

Yes ☐

No ☒

This is page 1 of 1

ORIGINAL—FINAL GSX T.S.D. • GREEN—TRANS/CERT • YELLOW—DISPOSER • PINK—1ST GSX T.S.D. • GOLD—GENERATOR

DE0020697

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GSX

Container Contents

PG-0004

☐ Bulk

☒ Mixed Lab

Container Number: 110187 IRT 0A		Chemist HALLAM
DOT Shipping Name: HAZARDOUS WASTE/RECORDS		597
Container Type: 35-5	UN/NA Number: NA 9139	HM X
Hazard Class: ORM-E		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	Calcium Peroxide, 1-HRL	2 1/2 GAL	X	EXX-4
02	Calcium Peroxide Solution	(WASS)		
03	pH 4-6			
04	IN VERMICULITE			
05				
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This Lab Pack list continues;

Yes ☐ No ☒

This is page 1 of 1

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DEQ020698

US V. MSP
PRODUCED BY MSP 9/93
Request for
WASTE MANIFESTS

MSD078

0704

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GSX

Container Contents

20-2004

☐ Bulk

☒ Mixed Lab

Container Number: 110187 IRT 03		Chemist HALLAM
DOT Shipping Name: HAZARDOUS WASTE/CELLS		597
Container Type: 35-5	UN/NA Number: NA 9189	HM X
Hazard Class: ORM-E		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	Cellulose Preserved, HYDRO	2x 1/2 GAL	X	2004
02	UNIONIC Acid Solution	(GLASS)		
03	pH 4-6			
04	IN VERMICULETS			
05				
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This Lab Pack list continues:

Yes ☐ No ☐

This is page ____ of ____

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DEQ020699

US V. MSP
PRODUCED BY MSP 9/93
RELEASABLE
DO NOT
REPRODUCE
OR
DISTRIBUTE
WITHOUT
WRITTEN
PERMISSION
FROM
MSP

MSD078

0705

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GSX

Container Contents

20-2004

☐ Bulk

☒ Mixed Lab

Container Number:	110187 IRT OC	Chemist:	HALLAM
DOT Shipping Name:	HAZARDOUS WASTE LIQUIDS	598	597
Container Type:	35-5	UN/NA Number:	NA 9189
Hazard Class:	ORM-E	HM	X

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RO	EPA Waste Code Number
01	GALLIUM PERSULFATE, HYDRO	2 x 1/2 GAL	X	D004
02	CHLORIC ACID SOLUTION	(GLASS)		
03	PH 4-6			
04	IN VERMICULITE			
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This Lab Pack list continues;

Yes ☐ No ☐

This is page _____ of _____

ORIGINAL—FINAL GSX T.S.D. • GREEN—TRANS/CERT • YELLOW—DISPOSER • PINK—1ST GSX T.S.D. • GOLD—GENERATOR

DEQ020700

US V. MSP
PRODUCED BY MSP 9/93
Box 12502
UNIFORM HAZARDOUS
WASTE MANIFESTS

MSD078

0706

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GSX

Container Contents

☐ Bulk

☒ Mixed Lab

Container Number: 110187 IRT 0D		Chemist HALLAM
DOT Shipping Name: WASTE FLAMMABLE LIQUID, NOS		598 597
Container Type: 35.5	UN/NA Number: UN1993	HM X
Hazard Class: FLAMMABLE LIQUID		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RQ	EPA Waste Code Number
01	ETHANOL WITH TRACE	5 x 1PT (G)		2001
02	PERCHLORIC ACID SOLUTION	1 x 1PT (P)		
03				
04	IN METAL CANS BAGGED			
05	IN VERTICULETS			
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This Lab Pack list continues;

Yes ☐ No ☐

This is page ____ of ____

ORIGINAL—FINAL GSX T.S.D. • GREEN—TRANS/CERT • YELLOW—DISPOSER • PINK—1ST GSX T.S.D. • GOLD—GENERATOR

DE0020701

U.S. MSP
PRODUCED BY MSP 9/93
WASTE MANAGEMENT
LABORATORY

MSD078

0707

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GSX

Container Contents

☐ Bulk

☒ Mixed Lab

Container Number:	110187 IRTOE	Chemist	HALLAM
DOT Shipping Name:	WASTE TETRAETHYLETHIO PHOSPHORATE	596	597
Container Type:	3515	UN/NA Number:	UN1704
Hazard Class:	PERSON B		

Receiving	Routing	Shipping

Line No.	Material Description	Material Quantity	RO	EPA Waste Code Number
01	FUMEGANT WITH 1570	9x30z(m)		P109
02	TETRAETHYLETHIO PHOSPHORATE			
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This Lab Pack list continues:

Yes ☐

No ☒

This is page 1 of 1

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DE0020702

US V. MSP
PRODUCED BY MSP 9/93
Box 13502
UNIFORM HAZARDOUS
WASTE MANIFESTS

MSD078

0708

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Container Contents

☐ Bulk

☒ Mixed Lab

ARF No. _____

Container Number: 092287ASN-04		Chemist: Tony
DOT Shipping Name: WASTE ALUMINUM CHLORIDE, ANHYDROUS		
Container Type: 35/5	UN/NA Number: UN1726	HM: X
Hazard Class: CORROSIVE MATERIAL		

Receiving	Routing	Shipping
	C-ken	

Line No.	Material Description	Material Quantity	RO	EPA Waste Code Number
01	ALUMINUM CHLORIDE ANHYDROUS	2 x 500 (g)		2003
02	Powder			
03	(IN YERM TCUZTE)			
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This Lab Pack list continues:

Yes ☐ No ☒

This is page 1 of 1

ORIGINAL-FINAL GSX T.S.D. • GREEN-TRANS/CERT • YELLOW-DISPOSER • PINK-1ST GSX T.S.D. • GOLD-GENERATOR

DE0020703

US V. MSP
PRODUCED BY MSP 9/93
Box 12502
WASTE MANAGEMENT
REQUEST 10/93

MSD078

0707

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RECERTIFICATION OF
MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code

CSXL/CSXL/0703701/LP/

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact.

Return this form with any attachments to: MARINE SHALE PROCESSORS, INC.
Post Office Box 1698
Kenner, LA 70063
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: CSX. LAUREL RD Telephone: (800) 638-4440 x.0000
Facility Address: 3527 WHISKEY BOTTOM ROAD USEPA ID: NDP980554653
LAUREL, ND 20707-0000

Name of Waste: LAB PACK Generating Process: Packaging of Lab Material
Technical Contact: JILL BEALL JACK KENOE Title: MATERIALS ROUTING SUPV

B. CHANGES OR ADDITIONS SINCE LAST MCDS PREPARATION

1. Have you obtained any laboratory analysis of this waste? (If yes, attach results) ☐ yes ☒ no
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☒ no
3. Have you changed the waste generating process itself? ☐ yes ☒ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☒ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☒ no
6. If you answered "yes" to questions 2, 3, 4, or 5, please provide details below:

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW MCDS MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) Varies
Anticipated Volume: _____ Gals. _____ Cubic Yds. Other 10,000 lbs
Per: ☐ One Time ☐ Week ☐ Month ☐ Quarter ☒ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertified waste profile sheet attached hereto, and the information supplied above, are complete, true and correct.

Name: Sam Turabull Signature: Sam Turabull
Title: Sales Date: 3/21/89

US V. MSP
PRODUCED BY MSP 9/93
Box 12502
UNIFORM HAZARDOUS
WASTE MANIFESTS

MSD078

0710

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Purolator courier Purolator Account No. to be filled in **53-76-66532** **11-9-87** **512994176**

Service: Check One - See instructions for details
☐ Purolator Overnight Letter ☒ Purolator Overnight Parcel ☐ Priority Registered Overnight Service ☐ Standard 2-day Service

Optional Service: ☐ Saturday Delivery ☐ Extra Charge ☐ Hold for Pick-up

Payment: ☒ Prepaid ☐ Postage ☐ Cash ☐ Check

From: Sender's Name **Tom PFAFFMAN** Sender's Area Code/Phone Number **(301) 353-1111**

To: Recipient's Name **P. Jack Mountain Rich** Recipient's Area Code/Phone Number **(504) 485-1111**

Company Name **Murphy State Process**

Street Address **110 Tenth St SW Suite 100**

City **ST Paul** State **LA** Zip Code - Required **71308**

Third Party Billing Name/Address

Weight	L	W	H
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From	To	Rate	Origin Airport	Destination Airport
Adverse	Valuation	Code	Amount	Code
Special Charge	Route	Carrier Charge Initial	S.S. - Loss & delay	PURULATOR USE ONLY

BL 3100 686

RECIPIENT'S COPY

U.S. MSP - Released
 PRODUCED BY MSP 9/93
 Box 12502 Request 1-1-85
 WASTE MANAGEMENT
 WASTE MANIFESTS

MSD078

DER020705

0711

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

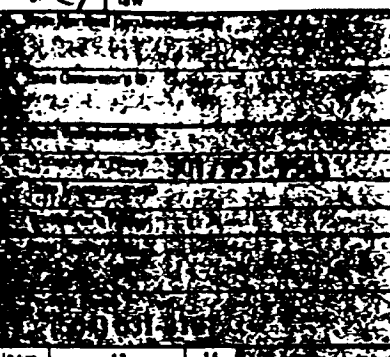
MSP-034/87-0191

RECYCLE / REUSE

MANIFEST N° 76605

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

Form Approved OMB No 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA ID No M D D 9 8 0 6 6 4 6 6 3		Manifest Document No 1 0 0 3 2		2 Page 1 of 3 Information in the shaded areas is not required by Federal law	
3 Generator's Name and Mailing Address GSX Services, Inc., 3527 Whiskey Bottom Road Laurel, MD 20707							
4 Generator's Phone () 301 953-9583							
5 Transporter 1 Company Name GSX Services, Inc.							
6 US EPA ID Number M D D 9 8 0 5 5 4 6 5 3							
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 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	
a x Waste Poison B Solid, NOS Poison B UN2811 (30)						0 1 D F 7 5 P	
b x Waste Calcium Cyanide Solid Poison B UN1575 (5)						0 1 D F 1 0 P	
c x Waste Heptane Flammable Liquid UN1206 (5)						0 3 D M 3 0 P	
d x Waste Tetrachloroethane ORM-A UN1702 (5)						0 1 D M 1 0 P	
13 Additional Descriptions for Materials (Include Name, Quantity, etc.)							
GSX-2-853201							
15 Special Handling Instructions and Additional Information Vehicle Cert. #: 87A0610 In case of emergency contact: GSX Services, Inc., Driver #: 2908 3527 Whiskey Bottom Road, Laurel, MD 20707 at HW-015 301/953-9583 or 800/638-4440. Attn: T. Pfaffman 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 Tom PFAFFMAN				Signature Tom Pfaffman		Month Day Year 12 09 87	
17 Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name GORDON BOYD				Signature Gordon Boyd		Month Day Year 12 09 87	
18 Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
19 Discrepancy Indication Space DE0020706							
20 Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19							
Printed/Typed Name Guthrie Leboeuf				Signature Guthrie Leboeuf		Month Day Year 12 09 87	

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U.S. V. MSP
PRODUCED BY MSP 9/93
Box 1 DEQ 2
HAZARDOUS WASTE MANIFESTS

MSD078

07113

6