MARINE SHALE PROCESSORS, INC.

MSP
ENVIRONMENTALLY SAFE

PLANT LOCATION
HWY. 90 EAST
AMELIA, LA
(504) 631-3161

PAGE 1

NO. M98850

☐X SALE

BILL TO

CUSTOMER NAME & ADDRESS
HEAT ENERGY ADVANCED TECHNOLO
4460 SINGLETON BLVD
DALLAS TX 75212

☐X CUSTOMER TRANSPORT
CNF#: 96G1000243
BARGE NO.
M/V NAME

TRUCKING CO.
J.B. HUNT
TRUCK NO.
90050
FREIGHT
☐ PREPAID ☐ COLLECT

ACCT. CODE 01441
MANIFEST NO. A3288924
GENERATOR NO. TXD980624035

GROSS WT. + 77040 ST#: 102690
TARE WT. - 38903
NET WT. = 38137 19.06 TONS
STORAGE TANK NO. 1
CUSTOMER P.O./CONTRACT NO. 04302

GENERATOR NAME & CITY, STATE ORIGIN
HEAT ENERGY ADVANCED TECHNOLOG
DALLAS TX

SAMPLE	BTU	MOIST	MSP APPROVAL #	TYPE	QUANTITY	UNIT	PRODUCT CODE
7766	19425	.01	HEA /HEA /9600944/01/				
SCH NO: 188202			55 GL DR CAT 1C 00-10%		65	EA	0551C0010
			85 GL DR CAT 1C 00-10%		1	EA	D851C0010

Comments: D851C0010 1@85 WAS DOP
WASTE FLAMMABLE SOLIDS N.O.S.
SYSTEM TYPE M053 best describes MSP's RECYCLING SYSTEM for this material

EPA CODES: D001 D010 F001 F002 F003 F005

TRUCK CO. (DRIVER) DATE
CUSTOMER/COMPANY REPRESENTATIVE 5-1-96 DATE 5/01/96 PLANT
DATE 5/01/96 15.19
PREPARED BY James T. Martin

0-1-7/89

ADMINISTRATIVE OFFICES: 9828 Highway 90 East, Morgan City, LA 70381

PAGE 2

S, INC.

PLANT LOCATION
HWY. 90 EAST
AMELIA, LA
(504) 631-3161

NO. M98850

☐X SALE

DLOC ☐ CUSTOMER TRANSPORT

CNF#: 96G1000243

BARGE NO.

212

M/V NAME

TRUCKING CO.
J B HUNT

TRUCK NO.
90050

FREIGHT
☐ PREPAID ☐ COLLECT

3288924

GENERATOR NO.
TXD980624035

GENERATOR NAME & CITY, STATE ORIGIN
HEAT ENERGY ADVANCED TECHNOLOG

DALLAS TX

AL #	TYPE	QUANTITY	UNIT	PRODUCT CODE
/9500276/ /				
8AG 1G3 00-10%	4419	LB		BBG30010LB

s MSP's RECYCLING SYSTEM for this material

DATE

DATE 5/01/96

PLANT

DATE 5/01/96 15.19

PREPARED BY

CES: 9828 Highway 90 East, Morgan City, LA 70381

MARINE SHALE PROCESSORS, INC.

MSP
ENVIRONMENTALLY SAFE

PLANT LOCATION
HWY. 90 EAST
AMELIA, LA
(504) 631-3161

PAGE 2

NO. M98850

☒ SALE

BILL TO

CUSTOMER NAME & ADDRESS
HEAT ENERGY ADVANCED TECHNOLOG
4460 SINGLETON BLVD
DALLAS TX 75212

☐ CUSTOMER TRANSPORT
CNF#: 96G1000243
BARGE NO.
M/V NAME

TRUCKING CO.
J B HUNT
TRUCK NO.
90050
FREIGHT
☐ PREPAID ☐ COLLECT

ACCT. CODE 01441
MANIFEST NO. A3288924
GENERATOR NO. TXD980624035

GROSS WT. + 35479 ST#: 097567
TARE WT. - 31060
NET WT. = 4419 2.20 TONS
STORAGE TANK NO. 1
CUSTOMER P.O./CONTRACT NO. 04302

GENERATOR NAME & CITY, STATE ORIGIN
HEAT ENERGY ADVANCED TECHNOLOG
DALLAS TX

SAMPLE	BTU	MOIST	MSP APPROVAL #	TYPE	QUANTITY	UNIT	PRODUCT CODE
7767	7118	.01	HEA /HEA /9500278/ /				
SCH NO: 188204			$/LB BOX,BAG 1G3 00-10%		4419	LB	BBG30010LB

SPENT FILTERS
SYSTEM TYPE M053 best describes MSP's RECYCLING SYSTEM for this material

EPA CODES: F002

TRUCK CO. (DRIVER) DATE 5/01/96 15.19

CUSTOMER/COMPANY REPRESENTATIVE DATE 5-1-96 5/01/96 PREPARED BY

PLANT

70-1-7/89

ADMINISTRATIVE OFFICES: 9828 Highway 90 East, Morgan City, LA 70381

MARINE SHALE PROCESSORS, INC.

MSP
ENVIRONMENTALLY SAFE

PLANT LOCATION
HWY. 90 EAST
AMELIA, LA
(504) 631-3161

PAGE 3

NO. M98850

☒ SALE

BILL TO

CUSTOMER NAME & ADDRESS
HEAT ENERGY ADVANCED TECHNOLOG
4460 SINGLETON BLVD
DALLAS TX 75212

☒ CUSTOMER TRANSPORT
CNF#: 9681000243
BARGE NO.
M/V NAME

TRUCKING CO.
J B HUNT
TRUCK NO.
90058
FREIGHT
☐ PREPAID ☐ COLLECT

ACCT. CODE 01441
MANIFEST NO. A3288924
GENERATOR NO. TXD980624035

GROSS WT. + 38903 ST#: 097570
TARE WT. - 35479
NET WT. = 3424 1.71 TONS
STORAGE TANK NO. 1
CUSTOMER P.O./CONTRACT NO. 04302

GENERATOR NAME & CITY, STATE ORIGIN
HEAT ENERGY ADVANCED TECHNOLOG
DALLAS TX

SAMPLE	BTU	MOIST	MSP APPROVAL #	TYPE	QUANTITY	UNIT	PRODUCT CODE
7766	19425	.01	HEA /HEA /9600940701/				
SCH NO: 188267			$/LB BOX,BAG 1G 00-10%		3424	LB	BB100010LB

WASTE FLAMMABLE SOLIDS N.O.S.
SYSTEM TYPE M053 best describes MSP's RECYCLING SYSTEM for this material

EPA CODES: D001 D010 F001 F002 F003 F005

TRUCK CO. (DRIVER) DATE
CUSTOMER/COMPANY/REPRESENTATIVE 5-1-96 DATE 5/01/96
DATE 5/01/96 15.19
PREPARED BY James T. [illegible]

PLANT

70-1-7/89

ADMINISTRATIVE OFFICES: 9828 Highway 90 East, Morgan City, LA 70381

MSP SCALE TICKET 4Boxes 744

№ 97568 D

DATE _____ TRUCK NO. _____

FROM: _____

TO: _____

11:00 05/01/96
783 LB G

ID P

6356

COMMODITY: (Circle One)

AGGREGATE SOLIDS LIQUIDS

DRUMS LP's CP's OTHER: _____

Rec'd. By _____ Weighed By _____

MSP, INC. Hwy. 90 East, Amelia, LA
ACCOUNTING

MSP SCALE TICKET 2Boxes 944

№ 97570 D

DATE _____ TRUCK NO. _____

FROM: _____

TO: _____

38903

11:07 05/01/96
1054 LB G

35479 ID P

~~36479~~

6358

COMMODITY: (Circle One)

AGGREGATE SOLIDS LIQUIDS

DRUMS LP's CP's OTHER: _____

Rec'd. By _____ Weighed By _____

MSP, INC. Hwy. 90 East, Amelia, LA
PLANT

MSP SCALE TICKET 2Boxes

№ 97571 D

DATE _____ TRUCK NO. _____

FROM: _____

TO: _____

11:14 05/01/96
1587 LB G

ID P

6359

COMMODITY: (Circle One)

AGGREGATE SOLIDS LIQUIDS

DRUMS LP's CP's OTHER: _____

Rec'd. By _____ Weighed By _____

MSP, INC. Hwy. 90 East, Amelia, LA

MSP SCALE TICKET

№ 97568 D

DATE _____ TRUCK NO. _____

FROM: _____

TO: _____

11:00 05/01/96
783 LB G

ID P

6356

COMMODITY: (Circle One)

AGGREGATE SOLIDS LIQUIDS

DRUMS LP's CP's OTHER: _____

Rec'd. By _____ Weighed By _____

MSP, INC. Hwy. 90 East, Amelia, LA

№ 97567 D

DATE _____ TRUCK NO. _____

FROM: _____

TO: _____

5479

10:54 05/01/96
1181 LB G

ID P

6355

COMMODITY: (Circle One)

AGGREGATE SOLIDS LIQUIDS

DRUMS LP's CP's OTHER: _____

Rec'd. By _____ Weighed By _____

MSP, INC. Hwy. 90 East, Amelia, LA
PLANT

№ [illegible]

DATE _____ TRUCK NO. _____

FROM: [illegible]

TO: _____

SCALE 1
ID 90050 SCALE 1
GROSS 00
GROSS 77040 STORED
11:52 05/01/96
05/01/96 11:32
ID 90050 SCALE 1

GROSS 77040 RECALLED
TARE ~~31680~~ 38903
NET ~~45360~~ 38137

05/01/96 12:59

COMMODITY: (Circle One)

AGGREGATE SOLIDS LIQUIDS

DRUMS LP's CP's OTHER: _____

Rec'd. By _____ Weighed By _____

MSP, INC. Hwy. 90 East, Amelia, LA
PLANT

MSP SCALE TICKET 2 Boxes 2%

№ 97562 D

DATE _____ TRUCK NO. _____

FROM: _____

TO: _____

10:43 05/01/96
1502 LB G

ID P

6350

COMMODITY: (Circle One)

AGGREGATE SOLIDS LIQUIDS

DRUMS LP's CP's OTHER: _____

Rec'd. By _____ Weighed By _____

MSP, INC. Hwy. 90 East, Amelia, LA
ACCOUNTING

MSP SCALE TICKET 2 Boxes 2%

№ 97563 D

DATE _____ TRUCK NO. _____

FROM: _____

TO: _____

10:46 05/01/96
1736 LB G

ID P

6351

COMMODITY: (Circle One)

AGGREGATE SOLIDS LIQUIDS

DRUMS LP's CP's OTHER: _____

Rec'd. By _____ Weighed By _____

MSP, INC. Hwy. 90 East, Amelia, LA
ACCOUNTING

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 82178
BATON ROUGE, LOUISIANA 70884-2178

Recycle/Reuse

90050
921073

04302

PLEASE PRINT OR TYPE (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. T X D 9 8 0 6 2 4 0 3 5 Manifest Document No. ~~0428~~

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
HEAT ENERGY ADVANCED TECH., INC.
4460 SINGLETON BLVD.
DALLAS, TEXAS 75212

4. Generator's Phone (214) 637-6434

A. State Manifest Document Number LA A 238926
B. State Generator's ID 50829

5. Transporter 1 Company Name HUNT SPECIAL COMMODITIES, INC.
6. US EPA ID Number A R D 9 8 1 9 0 8 5 5 1
C. State Transporter's ID 41053
D. Transporter's Phone 800/368-8539

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
9828 HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380
10. US EPA ID Number L A D 9 8 1 0 5 7 7 0 6
G. State Facility's ID
H. Facility's Phone 504/631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. (RQ 100#) Waste Flammable solids, n.o.s., 4.1, UN1325, PG III, (Paint solids containing xylene, toluene) D001,D010,F001,F002,F003,F005, (ERG 32)	16	DM	3630	G	0007310H R D001,D010,F001,F002,F003,F005
b. (RQ 100#) Waste Flammable solids, n.o.s., 4.1 UN1325, PG III, (Paint solids containing xylene, toluene) D001,D010,F001,F002,F003,F005, (ERG 32)	6	~~DM~~ CF	3456	G P	0007310H R D001,D010,F001,F002,F003,F005
c. (RQ 100#) Hazardous waste, solid, n.o.s., 9, NA3077, PG III, (Perc. Filters), F002 (ERG 31)	5	CF	4812	P	0007310H F002 R
d.					

J. Additional Descriptions for Materials Listed Above
11a. HEA/HEA/9600944
11b. HEA/HEA/9600944
11c. HEA/HEA/9500276

K. Handling Codes for Wastes Listed Above
11a. M053
11b. M053
11c. M053

15. Special Handling Instructions and Additional Information
''FLAMMABLE''
KEEP AWAY FROM SOURCES
OF IGNITION

EMERGENCY CONTACT: TONY CLARK
214 637-6434 (H.E.A.T., INC.)
214 530-9964 (HOME)
214 933-8070 (BEEPER)

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 minimize 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 HASSAN AICHA | Signature | Month Day Year 04 29 96

COPY 3

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name VICTOR BENNETT | Signature Victor Bennett | Month Day Year 04 30 96

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
Change made prior to unloading (DMS)
0007310H, ~~0007310~~ is a TX Reg number only. Inserted "R" in Section I as per Mary Ann Bayles

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name James T. Mink | Signature James T. Mink | Month Day Year 5 01 96

DEQ FORM HW-3 (R 9/92)

MARINE SHALE PROCESSORS, INC.
LAND DISPOSAL RESTRICTION FORM

SECTION I. Generator Information

Generator Name Heat Energy Advanced Tech., Inc.

Address 4460 Singleton Blvd.

Dallas, Texas 75212

MSP Approval Code HEA/HEA/ 9500276

Manifest No. LA A 3288924

EPA ID No. TXD980624035

SECTION II. Material NOT Subject to Land Disposal Restrictions

The Land Disposal Restrictions as stipulated in 40 CFR 268 DO NOT apply to these materials because:

_____ The material is NOT regulated by the EPA.

_____ The material is regulated by the EPA, but is subject to a variance, extension or exemption to the effective date.

EPA Code	Constituent/ Subcategory	Treatability Group	Effective Date

SECTION III. Material Subject to Land Disposal Restrictions

NOTE: MSP DOES NOT ACCEPT EPA regulated wastewaters and dioxin-containing materials (F020 - F023 and F026 - F028).

X The shipment contains F001 - F005 spent solvents; *complete "F001 - F005 Spent Solvents"*.

_____ The shipment includes F039 multi-source leachate; *complete "F039 and Universal Treatment Constituents"*.

_____ The shipment includes D001 and/or D002 waste prohibited under 40 CFR 268.37, and/or D012 - D043 Characteristic Wastes prohibited under 40 CFR 268.38; *complete "F039 and Universal Treatment Constituents"*.

_____ The shipment includes RCRA Section 3004(d) California list wastes; *complete "California List Constituents"*.

_____ The shipment includes other Land Disposal Restricted materials; *identify below:*

EPA Code	Constituent/ Subcategory	Treatability Group
F002	Halogenated Solvents	FSUBS

F001 - F005 SPENT SOLVENTS

[Instructions: *Check the box beside each waste included in the offsite shipment; circle or otherwise identify the individual constituents likely to be present in each waste.*]

Nonwastewater

Hazardous Waste Description	Constituents of Concern
☐ F001 -- Spent halogenated solvents used in degreasing	Carbon tetrachloride Methylene chloride Tetrachloroethylene 1,1,1-Trichloroethane Trichloroethylene 1,1,2-Trichloro1,2,2-trifluoroethane Trichloromonofluoromethane
☒ F002 -- Spent halogenated solvents	Chlorobenzene o-Dichlorobenzene Methylene chloride Methylene chloride (wastewater from the pharmaceutical industry) Tetrachloroethylene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene 1,1,2-Trichloro-1,2,2-trifluoroethane Trichloromonofluoromethane
☐ F003 -- Spent non-halogenated solvents	Acetone n-Butyl alcohol Cyclohexanone[1] Ethyl acetate Ethyl benzene Ethyl ether Methanol[1] Methyl isobutyl ketone Xylenes (total)
☐ F004 -- Spent non-halogenated solvents	Cresol (m- and p-isomers) o-Cresol Nitrobenzene
☐ F005 -- Spent non-halogenated solvents	Benzene Carbon disulfide[1] 2-Ethoxyethanol Isobutyl alcohol Methyl ethyl ketone 2-Nitropropane Pyridine Toluene

[1]The treatment standards for carbon disulfide, cyclohexanone, and methanol nonwastewaters are based on the TCLP and apply only to spent solvents containing only one, two, or all three of these constituents. If a waste contains any of these three constituents along with any of the other constituents found in F001 - F005, then only the treatment standards for the other constituents apply (i.e., the standards for carbon disulfide, cyclohexanone, and methanol do not apply when other constituents are present).

F039 and UNIVERSAL TREATMENT CONSTITUENTS

[Check the box that applies.]

☒ This shipment includes F039 multi-source leachate. The individual constituents likely to be present are checked below or on the following pages.

☐ This shipment includes a D001 or D002 waste prohibited under §268.37 and/or D012 - D043 characteristic wastes and is prohibited under §268.38. The underlyi hazardous constituents in the waste, as defined in §268.2(i), are identified below or on the following pages.

EPA Code	Constituent/ Subcategory	Treatability Group

Constituents

- ☐ Acetone
- ☐ Acenaphthylene
- ☐ Acenaphthene
- ☐ Acetonitrile
- ☐ Acetophenone
- ☐ 2-Acetylaminofluorene
- ☐ Acrolein
- ☐ Acrylamide[1]
- ☐ Acrylonitrile
- ☐ Aldrin
- ☐ 4-Aminobiphenyl
- ☐ Aniline
- ☐ Anthracene
- ☐ Aramite
- ☐ Aroclor 1016
- ☐ Aroclor 1221
- ☐ Aroclor 1232
- ☐ Aroclor 1242
- ☐ Aroclor 1248
- ☐ Aroclor 1254
- ☐ Aroclor 1260
- ☐ alpha-BHC
- ☐ beta-BHC
- ☐ delta-BHC
- ☐ gamma-BHC
- ☐ Benzene
- ☐ Benz(a)anthracene
- ☐ Benzal chloride[1]
- ☐ Benzo(b)fluoranthene
- ☐ Benzo(k)fluoranthene
- ☐ Benzo(g,h,i)perylene
- ☐ Benzo(a)pyrene
- ☐ Bromodichloromethane
- ☐ Bromoform (Tribromomethane)
- ☐ Bromomethane (methyl bromide)
- ☐ 4-Bromophenyl phenyl ether
- ☐ n-Butyl alcohol
- ☐ Butyl benzyl phthalate
- ☐ 2-sec-Butyl-4,6-dinitrophenol (Dinoseb)
- ☐ Carbon tetrachloride
- ☐ Carbon disulfide
- ☐ Chlordane[2]
- ☐ p-Chloroaniline
- ☐ Chlorobenzene
- ☐ Chlorobenzilate
- ☐ 2-chloro-1,3-butadiene
- ☐ Chlorodibromomethane
- ☐ Chloroethane
- ☐ bis-(2-Chloroethoxy)methane
- ☐ bis-(2-Chloroethyl) ether
- ☐ bis-(2-ethylhexyl) phthalate
- ☐ Chloroform
- ☐ bis(2-Chloroisopropyl) ether
- ☐ p-Chloro-m-cresol
- ☐ 2-Chloroethyl vinyl ether[1]
- ☐ Chloromethane (methyl chloride)
- ☐ 2-Chloronaphthalene
- ☐ 2-Chlorophenol
- ☐ 3-Chloropropylene
- ☐ Chrysene
- ☐ o-Cresol
- ☐ Cresol (m- and p-isomers)
- ☐ Cyclohexanone
- ☐ 1,2-Dibromo-3-chloropropane
- ☐ 1,2-Dibromoethane (Ethylene dibromide)
- ☐ Dibromomethane
- ☐ 2,4-Dichlorophenoxy acetic acid (2,4-D)
- ☐ o,p'-DDD
- ☐ p,p'-DDD
- ☐ o,p'-DDE
- ☐ p,p'-DDE
- ☐ o,p'-DDT
- ☐ p,p'-DDT
- ☐ Dibenz(a,h) anthracene
- ☐ Dibenzo(a,e) pyrene
- ☐ m-Dichlorobenzene
- ☐ o-Dichlorobenzene
- ☐ p-Dichlorobenzene
- ☐ Dichlorodifluoromethane
- ☐ 1,1-Dichloroethane
- ☐ 1,2-Dichloroethane
- ☐ 1,1-Dichloroethylene
- ☐ trans- 1,2-Dichloroethylene
- ☐ 2,4-Dichlorophenol
- ☐ 2,6-Dichlorophenol
- ☐ 1,2-Dichloropropane
- ☐ cis- 1,3-Dichloropropene
- ☐ trans- 1,3-Dichloropropylene
- ☐ Dieldrin
- ☐ Diethyl phthalate
- ☐ p-Dimethylaminoazobenzene[1]
- ☐ 2,4-Dimethyl phenol
- ☐ Dimethyl phthalate
- ☐ Di-n-butyl phthalate
- ☐ 1,4-Dinitrobenzene
- ☐ 4,6-Dinitro-o-cresol
- ☐ 2,4-Dinitrophenol
- ☐ 2,4-Dinitrotoluene
- ☐ 2,6-Dinitrotoluene
- ☐ Di-n-octyl phthalate
- ☐ Di-n-propylnitrosoamine
- ☐ Diphenylamine
- ☐ 1,2-Diphenyl hydrazine
- ☐ Diphenyl nitrosamine
- ☐ 1,4-Dioxane
- ☐ Disulfoton
- ☐ Endosulfan I
- ☐ Endosulfan II
- ☐ Endosulfan sulfate
- ☐ Endrin
- ☐ Endrin aldehyde
- ☐ Ethyl acetate
- ☐ Ethyl cyanide (Propanenitrile)
- ☐ Ethyl benzene
- ☐ Ethyl ether
- ☐ bis(2-Ethylhexyl) phthalate
- ☐ Ethyl methacrylate
- ☐ Ethylene oxide
- ☐ Famphur
- ☐ Fluoranthene
- ☐ Fluorene
- ☐ Heptachlor
- ☐ Heptachlor epoxide
- ☐ Hexachlorobenzene
- ☐ Hexachlorobutadiene
- ☐ Hexachlorocyclopentadiene
- ☐ Hexachlorodibenzo-furans
- ☐ Hexachlorodibenzo-p-dioxins
- ☐ Hexachloroethane
- ☐ Hexachloropropylene
- ☐ Indeno(1,2,3-c,d)pyrene
- ☐ Iodomethane

- ☐ Isobutyl alcohol
- ☐ Isodrin
- ☐ Isosafrole
- ☐ Kepone
- ☐ Methacrylonitrile
- ☐ Methanol
- ☐ Methapyrilene
- ☐ Methoxychlor
- ☐ 3-Methylcholanthrene
- ☐ 4,4-Methylene-bis-(2-chloroaniline)
- ☐ Methylene chloride
- ☐ Methyl ethyl ketone
- ☐ Methyl isobutyl ketone
- ☐ Methyl methacrylate
- ☐ Methyl methansulfonate
- ☐ Methyl parathion
- ☐ Naphthalene
- ☐ 2-Naphthylamine
- ☐ o-Nitroaniline[1]
- ☐ p-Nitroaniline
- ☐ Nitrobenzene
- ☐ 5-Nitro-o-toluidine
- ☐ o-Nitrophenol[1]
- ☐ p-Nitrophenol
- ☐ N-Nitrosodiethylamine
- ☐ N-Nitrosodiemethylamine
- ☐ N-Nitroso-di-n-butylamine
- ☐ N-Nitrosomethylethylamine
- ☐ N-Nitrosomorpholine
- ☐ N-Nitrosopiperidine
- ☐ N-Nitrosopyrrolidine
- ☐ Parathion
- ☐ PCB's (Total)
- ☐ Pentachlorobenzene
- ☐ Pentachlorodibenzo-furans
- ☐ Pentachlorodibenzo-p-dioxins
- ☐ Pentachloroethane[1]
- ☐ Pentachloronitrobenzene
- ☐ Pentachlorophenol
- ☐ Phenacetin
- ☐ Phenanthrene
- ☐ Phenol
- ☐ Phorate
- ☐ Phthalic acid[1]
- ☐ Phthalic anhydride
- ☐ Pronamide
- ☐ Propanenitrile (ethyl cyanide)
- ☐ Pyrene
- ☐ Pyridine
- ☐ Safrole
- ☐ Silvex (2,4,5-TP)
- ☐ 2,4,5-T (2,4,5, Trichlorophenoxyacetic acid)
- ☐ 1,2,4,5-Tetrachlorobenzene
- ☐ Tetrachlorodibenzo-furans
- ☐ Tetrachlorodibenzo-p-dioxins
- ☐ 1,1,1,2-Tetrachloroethane
- ☐ 1,1,2,2-Tetrachloroethane
- ☒ Tetrachloroethylene
- ☐ 2,3,4,6-Tetrachlorophenol
- ☐ Toluene
- ☐ Toxaphene
- ☐ Tribromomethane (bromoform)
- ☐ 1,2,4-Trichlorobenzene
- ☐ 1,1,1-Trichloroethane
- ☐ 1,1,2-Trichloroethane
- ☐ Trichloroethylene
- ☐ Trichloromonofluoromethane
- ☐ 2,4,5-Trichlorophenol
- ☐ 2,4,6-Trichlorophenol
- ☐ 1,2,3-Trichloropropane
- ☐ 1,1,2-Trichloro-1,2,2-trifluoroethane
- ☐ Tris(2,3-dibromopropyl) phosphate
- ☐ Vinyl chloride
- ☐ Xylene(s)
- ☐ Cyanides (Total)
- ☐ Cyanides (amenable)
- ☐ Fluoride
- ☐ Sulfide
- ☐ Antimony
- ☐ Arsenic
- ☐ Barium
- ☐ Beryllium
- ☐ Cadmium
- ☐ Chromium (Total)
- ☐ Copper
- ☐ Lead
- ☐ Mercury
- ☐ Mercury (retort residues)[1]
- ☐ Nickel
- ☐ Selenium
- ☐ Silver
- ☐ Thallium
- ☐ Vanadium
- ☐ Zinc

[1]This constituent is not a regulated hazardous constituent in F039.

[2]This constituent includes alpha and gamma isomers.

Source: 56 *FR* 3892-3911.

CALIFORNIA LIST CONSTITUENTS

[*Check the box of constituents likely to be present.*]

Constituent
☐ Nickel
☐ Thallium
☐ * Liquids with PCBs
☒ Wastes containing HOCs[1]

[1] Halogenated organic compounds.

* Not acceptable for shipment to MSP.

SECTION IV. LAB PACKS

EPA Code(s): _____

_____ Lab Packs with EPA Code(s) specified by 40 CFR 268 Appendix IV must be referenced in Section III of this form and may be packaged or manifested for alternative lab pack treatment standards.

As required by 40 *CFR* 268.7(a)(8), the following certification is made for these restricted wastes:

_____ *I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains o the wastes which have not been excluded under appendix IV to 40 CFR Part 268 or solid wastes not subject to regulation under CFR Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fi or imprisonment.*

SECTION V. CERTIFICATION

Certification For Materials Meeting Land Disposal Treatment Standards

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or throu knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Pa 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the informatic I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certificatio including the possibility of a fine and imprisonment.

Authorized Representative Signature

HASSAN AICHA
Plant Manager

Print or Type Name

Plant Manager

Title

04/30/96

Date

Certification for Materials Not Meeting Land Disposal Treatment Standards

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste and I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

Authorized Representative Signature

Print or Type Name

Title

Date

MARINE SHALE PROCESSORS, INC.
LAND DISPOSAL RESTRICTION FORM

SECTION I. Generator Information

Generator Name: Heat Energy Advanced Tech., Inc.
Address: 4460 Singleton Blvd.
Dallas, Texas 75212

MSP Approval Code: HEA/HEA/9600944
Manifest No.: LLL 3288924
EPA ID No.: TXD980624035

SECTION II. Material NOT Subject to Land Disposal Restrictions

The Land Disposal Restrictions as stipulated in 40 CFR 268 DO NOT apply to these waste materials because:

_____ The waste material is NOT regulated by the EPA.
_____ The waste material is regulated by the EPA, but is subject to a variance, extension or exemption to the effective date.

EPA Code	Constituent/ Subcategory	Treatability Group	Effective Date

SECTION III. Waste Material Subject to Land Disposal Restrictions

NOTE: MSP DOES NOT ACCEPT EPA regulated wastewaters and dioxin-containing wastes (F020 - F023 and F026 - F028).

X The shipment contains F001 - F005 spent solvents; *complete "F001 - F005 Spent Solvents"*.

_____ The shipment includes F039 multi-source leachate; *complete "F039 and Universal Treatment Constituents"*.

X The shipment includes D001 and/or D002 waste prohibited under 40 CFR 268.37, and/or D012 - D043 Characteristic Was prohibited under 40 CFR 268.38; *complete "F039 and Universal Treatment Constituents"*.

X The shipment includes RCRA Section 3004(d) California list wastes; *complete "California List Constituents"*.

_____ The shipment includes other Land Disposal Restricted wastes; *identify below:*

EPA Code	Constituent/ Subcategory	Treatability Group
D001	Ignitable Solvents	FSUBS
D010		
F001		
F002		
F003		
F005		

F001 - F005 SPENT SOLVENTS

[Instructions: *Check the box beside each waste included in the offsite shipment; circle or otherwise identify the individual constituents likely to be present in each waste.*]

Nonwastewater

Hazardous Waste Description	Constituents of Concern
☑ F001 -- Spent halogenated solvents used in degreasing	Carbon tetrachloride Methylene chloride Tetrachloroethylene 1,1,1-Trichloroethane Trichloroethylene 1,1,2-Trichloro1,2,2-trifluoroethane Trichloromonofluoromethane
☑ F002 -- Spent halogenated solvents	Chlorobenzene o-Dichlorobenzene Methylene chloride Methylene chloride (wastewater from the pharmaceutical industry) Tetrachloroethylene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene 1,1,2-Trichloro-1,2,2-trifluoroethane Trichloromonofluoromethane
☑ F003 -- Spent non-halogenated solvents	Acetone n-Butyl alcohol Cyclohexanone[1] Ethyl acetate Ethyl benzene Ethyl ether Methanol[1] Methyl isobutyl ketone Xylenes (total)
☐ F004 -- Spent non-halogenated solvents	Cresol (m- and p-isomers) o-Cresol Nitrobenzene
☑ F005 -- Spent non-halogenated solvents	Benzene Carbon disulfide[1] 2-Ethoxyethanol Isobutyl alcohol Methyl ethyl ketone 2-Nitropropane Pyridine Toluene

[1]The treatment standards for carbon disulfide, cyclohexanone, and methanol nonwastewaters are based on the TCLP and apply only to spent solvents containing only one, or all three of these constituents. If a waste contains any of these three constituents along with any of the other constituents found in F001 - F005, then only the treat standards for the other constituents apply (i.e., the standards for carbon disulfide, cyclohexanone, and methanol do not apply when other consituents are present).

F039 and UNIVERSAL TREATMENT CONSTITUENTS

[Check the box that applies.]

☑ This shipment includes F039 multi-source leachate. The individual constituents likely to be present are checked below or on the following pages.

☐ This shipment includes a D001 or D002 waste prohibited under §268.37 and/or D012 - D043 characteristic wastes and is prohibited under §268.38. The underly hazardous constituents in the waste, as defined in §268.2(i), are identified below or on the following pages.

EPA Code	Constituent/ Subcategory	Treatability Group

Constituents

- ☑ Acetone
- ☐ Acenaphthylene
- ☐ Acenaphthene
- ☐ Acetonitrile
- ☐ Acetophenone
- ☐ 2-Acetylaminofluorene
- ☐ Acrolein
- ☐ Acrylamide[1]
- ☐ Acrylonitrile
- ☐ Aldrin
- ☐ 4-Aminobiphenyl
- ☐ Aniline
- ☐ Anthracene
- ☐ Aramite
- ☐ Aroclor 1016
- ☐ Aroclor 1221
- ☐ Aroclor 1232
- ☐ Aroclor 1242
- ☐ Aroclor 1248
- ☐ Aroclor 1254
- ☐ Aroclor 1260
- ☐ alpha-BHC
- ☐ beta-BHC
- ☐ delta-BHC
- ☐ gamma-BHC
- ☐ Benzene
- ☐ Benz(a)anthracene
- ☐ Benzal chloride[1]
- ☐ Benzo(b)fluoranthene
- ☐ Benzo(k)fluoranthene
- ☐ Benzo(g,h,i)perylene
- ☐ Benzo(a)pyrene
- ☐ Bromodichloromethane
- ☐ Bromoform (Tribromomethane)
- ☐ Bromomethane (methyl bromide)
- ☐ 4-Bromophenyl phenyl ether
- ☑ n-Butyl alcohol
- ☐ Butyl benzyl phthalate
- ☐ 2-sec-Butyl-4,6-dinitrophenol (Dinoseb)
- ☐ Carbon tetrachloride
- ☐ Carbon disulfide
- ☐ Chlordane[2]
- ☐ p-Chloroaniline
- ☐ Chlorobenzene
- ☐ Chlorobenzilate
- ☐ 2-chloro-1,3-butadiene
- ☐ Chlorodibromomethane
- ☐ Chloroethane
- ☐ bis-(2-Chloroethoxy)methane
- ☐ bis-(2-Chloroethyl) ether
- ☐ bis-(2-ethylhexyl) phthalate
- ☐ Chloroform
- ☐ bis(2-Chloroisopropyl) ether
- ☐ p-Chloro-m-cresol
- ☐ 2-Chloroethyl vinyl ether[1]
- ☐ Chloromethane (methyl chloride)
- ☐ 2-Chloronaphthalene
- ☐ 2-Chlorophenol
- ☐ 3-Chloropropylene
- ☐ Chrysene
- ☑ o-Cresol
- ☑ Cresol (m- and p-isomers)
- ☑ Cyclohexanone
- ☐ 1,2-Dibromo-3-chloropropane
- ☐ 1,2-Dibromoethane (Ethylene dibromide)
- ☐ Dibromomethane
- ☐ 2,4-Dichlorophenoxy acetic acid (2,4-D)
- ☐ o,p'-DDD
- ☐ p,p'-DDD
- ☐ o,p'-DDE
- ☐ p,p'-DDE
- ☐ o,p'-DDT
- ☐ p,p'-DDT
- ☐ Dibenz(a,h) anthracene
- ☐ Dibenzo(a,e) pyrene
- ☐ m-Dichlorobenzene
- ☐ o-Dichlorobenzene
- ☐ p-Dichlorobenzene
- ☐ Dichlorodifluoromethane
- ☐ 1,1-Dichloroethane
- ☐ 1,2-Dichloroethane
- ☐ 1,1-Dichloroethylene
- ☐ trans- 1,2-Dichloroethylene
- ☐ 2,4-Dichlorophenol
- ☐ 2,6-Dichlorophenol
- ☐ 1,2-Dichloropropane
- ☐ cis- 1,3-Dichloropropene
- ☐ trans- 1,3-Dichloropropylene
- ☐ Dieldrin
- ☐ Diethyl phthalate
- ☐ p-Dimethylaminoazobenzene[1]
- ☐ 2,4-Dimethyl phenol
- ☐ Dimethyl phthalate
- ☐ Di-n-butyl phthalate
- ☐ 1,4-Dinitrobenzene
- ☐ 4,6-Dinitro-o-cresol
- ☐ 2,4-Dinitrophenol
- ☐ 2,4-Dinitrotoluene
- ☐ 2,6-Dinitrotoluene
- ☐ Di-n-octyl phthalate
- ☐ Di-n-propylnitrosoamine
- ☐ Diphenylamine
- ☐ 1,2-Diphenyl hydrazine
- ☐ Diphenyl nitrosamine
- ☐ 1,4-Dioxane
- ☐ Disulfoton
- ☐ Endosulfan I
- ☐ Endosulfan II
- ☐ Endosulfan sulfate
- ☐ Endrin
- ☐ Endrin aldehyde
- ☑ Ethyl acetate
- ☐ Ethyl cyanide (Propanenitrile)
- ☑ Ethyl benzene
- ☑ Ethyl ether
- ☐ bis(2-Ethylhexyl) phthalate
- ☐ Ethyl methacrylate
- ☐ Ethylene oxide
- ☐ Famphur
- ☐ Fluoranthene
- ☐ Fluorene
- ☐ Heptachlor
- ☐ Heptachlor epoxide
- ☐ Hexachlorobenzene
- ☐ Hexachlorobutadiene
- ☐ Hexachlorocyclopentadiene
- ☐ Hexachlorodibenzo-furans
- ☐ Hexachlorodibenzo-p-dioxins
- ☐ Hexachloroethane
- ☐ Hexachloropropylene
- ☐ Indeno(1,2,3-c,d)pyrene
- ☐ Iodomethane

- ☑ Isobutyl alcohol
- ☐ Isodrin
- ☐ Isosafrole
- ☐ Kepone
- ☐ Methacrylonitrile
- ☑ Methanol
- ☐ Methapyrilene
- ☐ Methoxychlor
- ☐ 3-Methylcholanthrene
- ☐ 4,4-Methylene-bis-(2-chloroaniline)
- ☑ Methylene chloride
- ☑ Methyl ethyl ketone
- ☑ Methyl isobutyl ketone
- ☐ Methyl methacrylate
- ☐ Methyl methansulfonate
- ☐ Methyl parathion
- ☐ Naphthalene
- ☐ 2-Naphthylamine
- ☐ o-Nitroaniline[1]
- ☐ p-Nitroaniline
- ☑ Nitrobenzene
- ☐ 5-Nitro-o-toluidine
- ☐ o-Nitrophenol[1]
- ☐ p-Nitrophenol
- ☐ N-Nitrosodiethylamine
- ☐ N-Nitrosodiemethylamine
- ☐ N-Nitroso-di-n-butylamine
- ☐ N-Nitrosomethylethylamine
- ☐ N-Nitrosomorpholine
- ☐ N-Nitrosopiperidine
- ☐ N-Nitrosopyrrolidine
- ☐ Parathion
- ☐ PCB's (Total)
- ☐ Pentachlorobenzene
- ☐ Pentachlorodibenzo-furans
- ☐ Pentachlorodibenzo-p-dioxins
- ☐ Pentachloroethane[1]
- ☐ Pentachloronitrobenzene
- ☐ Pentachlorophenol
- ☐ Phenacetin
- ☐ Phenanthrene
- ☐ Phenol
- ☐ Phorate
- ☐ Phthalic acid[1]
- ☐ Phthalic anhydride
- ☐ Pronamide
- ☐ Propanenitrile (ethyl cyanide)
- ☐ Pyrene
- ☐ Pyridine
- ☐ Safrole
- ☐ Silvex (2,4,5-TP)
- ☐ 2,4,5-T (2,4,5, Trichlorophenoxyacetic acid)
- ☐ 1,2,4,5-Tetrachlorobenzene
- ☐ Tetrachlorodibenzo-furans
- ☐ Tetrachlorodibenzo-p-dioxins
- ☐ 1,1,1,2-Tetrachloroethane
- ☐ 1,1,2,2-Tetrachloroethane
- ☑ Tetrachloroethylene
- ☐ 2,3,4,6-Tetrachlorophenol
- ☑ Toluene
- ☐ Toxaphene
- ☐ Tribromomethane (bromoform)
- ☐ 1,2,4-Trichlorobenzene
- ☑ 1,1,1-Trichloroethane
- ☐ 1,1,2-Trichloroethane
- ☑ Trichloroethylene
- ☐ Trichloromonofluoromethane
- ☐ 2,4,5-Trichlorophenol
- ☐ 2,4,6-Trichlorophenol
- ☐ 1,2,3-Trichloropropane
- ☑ 1,1,2-Trichloro-1,2,2-trifluoroethane
- ☐ Tris(2,3-dibromopropyl) phosphate
- ☐ Vinyl chloride
- ☑ Xylene(s)
- ☐ Cyanides (Total)
- ☐ Cyanides (amenable)
- ☐ Fluoride
- ☐ Sulfide
- ☐ Antimony
- ☐ Arsenic
- ☐ Barium
- ☐ Beryllium
- ☐ Cadmium
- ☐ Chromium (Total)
- ☐ Copper
- ☐ Lead
- ☐ Mercury
- ☐ Mercury (retort residues)[1]
- ☐ Nickel
- ☑ Selenium
- ☐ Silver
- ☐ Thallium
- ☐ Vanadium
- ☐ Zinc

[1]This constituent is not a regulated hazardous constituent in F039.

[2]This constituent includes alpha and gamma isomers.

Source: 56 *FR* 3892-3911.

CALIFORNIA LIST CONSTITUENTS

[*Check the box of constituents likely to be present.*]

Constituent
☐ Nickel
☐ Thallium
☐ * Liquids with PCBs
☑ Wastes containing HOCs[1]

[1] Halogenated organic compounds.

* Not acceptable for shipment to MSP.

SECTION IV. LAB PACKS

EPA Code(s): _____

_____ Lab Packs with EPA Code(s) specified by 40 CFR 268 Appendix IV must be referenced in Section III of this form and ma be packaged or manifested for alternative lab pack treatment standards.

As required by 40 *CFR* 268.7(a)(8), the following certification is made for these restricted wastes:

_____ *I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains the wastes which have not been excluded under appendix IV to 40 CFR Part 268 or solid wastes not subject to regulation unde CFR Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of or imprisonment.*

SECTION V. CERTIFICATION

Certification For Materials Meeting Land Disposal Treatment Standards

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or thro knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR I 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the informat I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certificat including the possibility of a fine and imprisonment.

Authorized Representative Signature

HASSAN AJCHA

Print or Type Name

Plant Manager

Title

04/30/96

Date

Certification for Materials Not Meeting Land Disposal Treatment Standards

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or throu knowledge of the waste and I believe that the information I submitted is true, accurate and complete. I am aware that there a significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

Authorized Representative Signature

Print or Type Name

Title

Date

MARINE SHALE PROCESSORS, INC.
LAND DISPOSAL RESTRICTION FORM

SECTION I. Generator Information

Generator Name Heat Energy Advanced Tech., Inc.
Address 4460 Singleton Blvd.
Dallas, Texas 75212

MSP Approval Code HEA/HEA/9600944
Manifest No. LA 328924
EPA ID No. TXD980624035

SECTION II. Material NOT Subject to Land Disposal Restrictions

The Land Disposal Restrictions as stipulated in 40 CFR 268 DO NOT apply to these waste materials because:

_____ The waste material is NOT regulated by the EPA.
_____ The waste material is regulated by the EPA, but is subject to a variance, extension or exemption to the effective date.

EPA Code	Constituent/ Subcategory	Treatability Group	Effective Date

SECTION III. Waste Material Subject to Land Disposal Restrictions

NOTE: MSP DOES NOT ACCEPT EPA regulated wastewaters and dioxin-containing wastes (F020 - F023 and F026 - F028).

X The shipment contains F001 - F005 spent solvents; *complete "F001 - F005 Spent Solvents".*

_____ The shipment includes F039 multi-source leachate; *complete "F039 and Universal Treatment Constituents".*

X The shipment includes D001 and/or D002 waste prohibited under 40 CFR 268.37, and/or D012 - D043 Characteristic Was prohibited under 40 CFR 268.38; *complete "F039 and Universal Treatment Constituents".*

X The shipment includes RCRA Section 3004(d) California list wastes; *complete "California List Constituents".*

_____ The shipment includes other Land Disposal Restricted wastes; *identify below:*

EPA Code	Constituent/ Subcategory	Treatability Group
D001	Ignitable Solvents	FSUBS
D010		
F001		
F002		
F003		
F005		

F001 - F005 SPENT SOLVENTS

[Instructions: *Check the box beside each waste included in the offsite shipment; circle or otherwise identify the individual constituents likely to be present in each waste.*]

Nonwastewater

Hazardous Waste Description	Constituents of Concern
☑ F001 -- Spent halogenated solvents used in degreasing	Carbon tetrachloride Methylene chloride Tetrachloroethylene 1,1,1-Trichloroethane Trichloroethylene 1,1,2-Trichloro1,2,2-trifluoroethane Trichloromonofluoromethane
☑ F002 -- Spent halogenated solvents	Chlorobenzene o-Dichlorobenzene Methylene chloride Methylene chloride (wastewater from the pharmaceutical industry) Tetrachloroethylene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene 1,1,2-Trichloro-1,2,2-trifluoroethane Trichloromonofluoromethane
☑ F003 -- Spent non-halogenated solvents	Acetone n-Butyl alcohol Cyclohexanone[1] Ethyl acetate Ethyl benzene Ethyl ether Methanol[1] Methyl isobutyl ketone Xylenes (total)
☐ F004 -- Spent non-halogenated solvents	Cresol (m- and p-isomers) o-Cresol Nitrobenzene
☑ F005 -- Spent non-halogenated solvents	Benzene Carbon disulfide[1] 2-Ethoxyethanol Isobutyl alcohol Methyl ethyl ketone 2-Nitropropane Pyridine Toluene

[1]The treatment standards for carbon disulfide, cyclohexanone, and methanol nonwastewaters are based on the TCLP and apply only to spent solvents containing only one, t or all three of these constituents. If a waste contains any of these three constituents along with any of the other constituents found in F001 - F005, then only the treatm standards for the other constituents apply (i.e., the standards for carbon disulfide, cyclohexanone, and methanol do not apply when other consituents are present).

F039 and UNIVERSAL TREATMENT CONSTITUENTS

[Check the box that applies.]

☑ This shipment includes F039 multi-source leachate. The individual constituents likely to be present are checked below or on the following pages.

☐ This shipment includes a D001 or D002 waste prohibited under §268.37 and/or D012 - D043 characteristic wastes and is prohibited under §268.38. The underly hazardous constituents in the waste, as defined in §268.2(i), are identified below or on the following pages.

EPA Code	Constituent/ Subcategory	Treatability Group

Constituents

- ☑ Acetone
- ☐ Acenaphthylene
- ☐ Acenaphthene
- ☐ Acetonitrile
- ☐ Acetophenone
- ☐ 2-Acetylaminofluorene
- ☐ Acrolein
- ☐ Acrylamide[1]
- ☐ Acrylonitrile
- ☐ Aldrin
- ☐ 4-Aminobiphenyl
- ☐ Aniline
- ☐ Anthracene
- ☐ Aramite
- ☐ Aroclor 1016
- ☐ Aroclor 1221
- ☐ Aroclor 1232
- ☐ Aroclor 1242
- ☐ Aroclor 1248
- ☐ Aroclor 1254
- ☐ Aroclor 1260
- ☐ alpha-BHC
- ☐ beta-BHC
- ☐ delta-BHC
- ☐ gamma-BHC
- ☐ Benzene
- ☐ Benz(a)anthracene
- ☐ Benzal chloride[1]
- ☐ Benzo(b)fluoranthene
- ☐ Benzo(k)fluoranthene
- ☐ Benzo(g,h,i)perylene
- ☐ Benzo(a)pyrene
- ☐ Bromodichloromethane
- ☐ Bromoform (Tribromomethane)
- ☐ Bromomethane (methyl bromide)
- ☐ 4-Bromophenyl phenyl ether
- ☑ n-Butyl alcohol
- ☐ Butyl benzyl phthalate
- ☐ 2-sec-Butyl-4,6-dinitrophenol (Dinoseb)
- ☐ Carbon tetrachloride
- ☐ Carbon disulfide
- ☐ Chlordane[2]
- ☐ p-Chloroaniline
- ☐ Chlorobenzene
- ☐ Chlorobenzilate
- ☐ 2-chloro-1,3-butadiene
- ☐ Chlorodibromomethane
- ☐ Chloroethane
- ☐ bis-(2-Chloroethoxy)methane
- ☐ bis-(2-Chloroethyl) ether
- ☐ bis-(2-ethylhexyl) phthalate
- ☐ Chloroform
- ☐ bis(2-Chloroisopropyl) ether
- ☐ p-Chloro-m-cresol
- ☐ 2-Chloroethyl vinyl ether[1]
- ☐ Chloromethane (methyl chloride)
- ☐ 2-Chloronaphthalene
- ☐ 2-Chlorophenol
- ☐ 3-Chloropropylene
- ☐ Chrysene
- ☑ o-Cresol
- ☑ Cresol (m- and p-isomers)
- ☑ Cyclohexanone
- ☐ 1,2-Dibromo-3-chloropropane
- ☐ 1,2-Dibromoethane (Ethylene dibromide)
- ☐ Dibromomethane
- ☐ 2,4-Dichlorophenoxy acetic acid (2,4-D)
- ☐ o,p'-DDD
- ☐ p,p'-DDD
- ☐ o,p'-DDE
- ☐ p,p'-DDE
- ☐ o,p'-DDT
- ☐ p,p'-DDT
- ☐ Dibenz(a,h) anthracene
- ☐ Dibenzo(a,e) pyrene
- ☐ m-Dichlorobenzene
- ☐ o-Dichlorobenzene
- ☐ p-Dichlorobenzene
- ☐ Dichlorodifluoromethane
- ☐ 1,1-Dichloroethane
- ☐ 1,2-Dichloroethane
- ☐ 1,1-Dichloroethylene
- ☐ trans- 1,2-Dichloroethylene
- ☐ 2,4-Dichlorophenol
- ☐ 2,6-Dichlorophenol
- ☐ 1,2-Dichloropropane
- ☐ cis- 1,3-Dichloropropene
- ☐ trans- 1,3-Dichloropropylene
- ☐ Dieldrin
- ☐ Diethyl phthalate
- ☐ p-Dimethylaminoazobenzene[1]
- ☐ 2,4-Dimethyl phenol
- ☐ Dimethyl phthalate
- ☐ Di-n-butyl phthalate
- ☐ 1,4-Dinitrobenzene
- ☐ 4,6-Dinitro-o-cresol
- ☐ 2,4-Dinitrophenol
- ☐ 2,4-Dinitrotoluene
- ☐ 2,6-Dinitrotoluene
- ☐ Di-n-octyl phthalate
- ☐ Di-n-propylnitrosoamine
- ☐ Diphenylamine
- ☐ 1,2-Diphenyl hydrazine
- ☐ Diphenyl nitrosamine
- ☐ 1,4-Dioxane
- ☐ Disulfoton
- ☐ Endosulfan I
- ☐ Endosulfan II
- ☐ Endosulfan sulfate
- ☐ Endrin
- ☐ Endrin aldehyde
- ☑ Ethyl acetate
- ☐ Ethyl cyanide (Propanenitrile)
- ☑ Ethyl benzene
- ☑ Ethyl ether
- ☐ bis(2-Ethylhexyl) phthalate
- ☐ Ethyl methacrylate
- ☐ Ethylene oxide
- ☐ Famphur
- ☐ Fluoranthene
- ☐ Fluorene
- ☐ Heptachlor
- ☐ Heptachlor epoxide
- ☐ Hexachlorobenzene
- ☐ Hexachlorobutadiene
- ☐ Hexachlorocyclopentadiene
- ☐ Hexachlorodibenzo-furans
- ☐ Hexachlorodibenzo-p-dioxins
- ☐ Hexachloroethane
- ☐ Hexachloropropylene
- ☐ Indeno(1,2,3-c,d)pyrene
- ☐ Iodomethane

- ☑ Isobutyl alcohol
- ☐ Isodrin
- ☐ Isosafrole
- ☐ Kepone
- ☐ Methacrylonitrile
- ☑ Methanol
- ☐ Methapyrilene
- ☐ Methoxychlor
- ☐ 3-Methylcholanthrene
- ☐ 4,4-Methylene-bis-(2-chloroaniline)
- ☑ Methylene chloride
- ☑ Methyl ethyl ketone
- ☑ Methyl isobutyl ketone
- ☐ Methyl methacrylate
- ☐ Methyl methansulfonate
- ☐ Methyl parathion
- ☐ Naphthalene
- ☐ 2-Naphthylamine
- ☐ o-Nitroaniline[1]
- ☐ p-Nitroaniline
- ☑ Nitrobenzene
- ☐ 5-Nitro-o-toluidine
- ☐ o-Nitrophenol[1]
- ☐ p-Nitrophenol
- ☐ N-Nitrosodiethylamine
- ☐ N-Nitrosodiemethylamine
- ☐ N-Nitroso-di-n-butylamine
- ☐ N-Nitrosomethylethylamine
- ☐ N-Nitrosomorpholine
- ☐ N-Nitrosopiperidine
- ☐ N-Nitrosopyrrolidine
- ☐ Parathion
- ☐ PCB's (Total)
- ☐ Pentachlorobenzene
- ☐ Pentachlorodibenzo-furans
- ☐ Pentachlorodibenzo-p-dioxins
- ☐ Pentachloroethane[1]
- ☐ Pentachloronitrobenzene
- ☐ Pentachlorophenol
- ☐ Phenacetin
- ☐ Phenanthrene
- ☐ Phenol
- ☐ Phorate
- ☐ Phthalic acid[1]
- ☐ Phthalic anhydride
- ☐ Pronamide
- ☐ Propanenitrile (ethyl cyanide)
- ☐ Pyrene
- ☐ Pyridine
- ☐ Safrole
- ☐ Silvex (2,4,5-TP)
- ☐ 2,4,5-T (2,4,5, Trichlorophenoxyacetic acid)
- ☐ 1,2,4,5-Tetrachlorobenzene
- ☐ Tetrachlorodibenzo-furans
- ☐ Tetrachlorodibenzo-p-dioxins
- ☐ 1,1,1,2-Tetrachloroethane
- ☐ 1,1,2,2-Tetrachloroethane
- ☑ Tetrachloroethylene
- ☐ 2,3,4,6-Tetrachlorophenol
- ☑ Toluene
- ☐ Toxaphene
- ☐ Tribromomethane (bromoform)
- ☐ 1,2,4-Trichlorobenzene
- ☑ 1,1,1-Trichloroethane
- ☐ 1,1,2-Trichloroethane
- ☑ Trichloroethylene
- ☐ Trichloromonofluoromethane
- ☐ 2,4,5-Trichlorophenol
- ☐ 2,4,6-Trichlorophenol
- ☐ 1,2,3-Trichloropropane
- ☑ 1,1,2-Trichloro-1,2,2-trifluoroethane
- ☐ Tris(2,3-dibromopropyl) phosphate
- ☐ Vinyl chloride
- ☑ Xylene(s)
- ☐ Cyanides (Total)
- ☐ Cyanides (amenable)
- ☐ Fluoride
- ☐ Sulfide
- ☐ Antimony
- ☐ Arsenic
- ☐ Barium
- ☐ Beryllium
- ☐ Cadmium
- ☐ Chromium (Total)
- ☐ Copper
- ☐ Lead
- ☐ Mercury
- ☐ Mercury (retort residues)[1]
- ☐ Nickel
- ☑ Selenium
- ☐ Silver
- ☐ Thallium
- ☐ Vanadium
- ☐ Zinc

[1]This constituent is not a regulated hazardous constituent in F039.

[2]This constituent includes alpha and gamma isomers.

Source: 56 *FR* 3892-3911.

CALIFORNIA LIST CONSTITUENTS

[*Check the box of constituents likely to be present.*]

Constituent
☐ Nickel
☐ Thallium
☐ * Liquids with PCBs
☑ Wastes containing HOCs[1]

[1] Halogenated organic compounds.

* Not acceptable for shipment to MSP.

SECTION IV. LAB PACKS

EPA Code(s): _____

_____ Lab Packs with EPA Code(s) specified by 40 CFR 268 Appendix IV must be referenced in Section III of this form and m be packaged or manifested for alternative lab pack treatment standards.

As required by 40 *CFR* 268.7(a)(8), the following certification is made for these restricted wastes:

_____ *I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contain the wastes which have not been excluded under appendix IV to 40 CFR Part 268 or solid wastes not subject to regulation unc CFR Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility or imprisonment.*

SECTION V. CERTIFICATION

Certification For Materials Meeting Land Disposal Treatment Standards

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or thr knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the inform I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certifica including the possibility of a fine and imprisonment.

_____
Authorized Representative Signature

HASSAN AISHA
Print or Type Name

Plant Manager
Title

04/30/96
Date

Certification for Materials Not Meeting Land Disposal Treatment Standards

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or thro knowledge of the waste and I believe that the information I submitted is true, accurate and complete. I am aware that there significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

_____
Authorized Representative Signature

_____
Print or Type Name

_____
Title

_____
Date

GENERATOR: Heat Energy Adv. MSP CODE 950271

TRUCK # _____ TRAILER # _____ MANIFEST # 3388234

DRUMS MANIFESTED	DRUMS RECEIVED	CATEGORY	DESCRIPTIONS
		1A	Fuel Value Liq/Drums
		1B	Mixed Sludges
		1C	Shreddable Solids
		1D	Rags
		1E	Aerosols
		1F	Non-Shreddable Solids
		1G	Bulk 1C High Density
		1G3	Ground up Filters
		1H	Bulk 1C Low Density
		2F	Bulk Liq >11K
		2G	Bulk Liq. 10K to 10,999
		3A	Direct Feed Only
		3AREPACK	Re-Pack
		3B	Consu
		3C	Lab-P
		C1	Shred
		C3	Re-Pa
		4A	Bulk
		4B	Bulk
5 Boxes BBG300104B	5 Boxes	G3	For Ac
		3ASP	Silver

Seperate Weight 7118

SAMPLE # 7767
B T U - 7118
ASH - 10.01
WATER - N/A
ACID - 3.66
HAL. - 0.62
P H - 5/6
FLASH POINT -
COMPATIBLE - YES - NO
IGNITES W/SPARK - YES - NO

DRUMS USED AS OVERPACKS _____

COMMENTS: _____

DOCK SUPERVISOR: TD

DRUM # _____ DRUM # _____ DRUM

DRUM # _____ DRUM # _____ DRUM

PLANT CATEGORY SHEET

GENERATOR: Heat Energy MSP CODE 9600944

TRUCK # _____ TRAILER # _____ MANIFEST # 3288924

DRUMS MANIFESTED	DRUMS RECEIVED	CATEGORY	DESCRIPTIONS
		1A	Fuel Value Liq/Drums
		1B	Mixed Sludges
		1C	Shreddable Solids
		1D	Rags.
		1E	Aerosols
		1F	Non-Shreddable Solids
6-Boxes BB1GD010LB	6 Boxes	1G	Bulk 1C High Density
		1G3	Ground up Filters
		1H	Bulk 1C Low Density
		2F	Bulk Liq >11K
		2G	Bulk Liq. 10K to 10,999
		3A	Direct Feed Only
		3AREPACK	Re-Pack
		3B	Consumer Commodities
		3C	Lab-Pack
		C1	Shreddable
		C3	Re-Pack
		4A	Bulk Soil Remediation
		4B	Bulk Solids(K048-KC52)
		____	For Add.Codes not listed
		3ASP	Silver Paint Re-Pack

Need Separate weight

DRUMS USED AS OVERPACKS _____ SIZE _____

COMMENTS: _____

DOCK SUPERVISOR: VD DATE: _____

DRUM # _____ DRUM # _____ DRUM # _____ DRUM # _____

DRUM # _____ DRUM # _____ DRUM # _____ DRUM # _____

3pm

PLANT CATEGORY SHEET

GENERATOR: Heat Energy Adv. MSP CODE 9600944

TRUCK # _____ TRAILER # 90050 MANIFEST # 3288934

Low Flash Foam Drums

DRUMS MANIFESTED	DRUMS RECEIVED	CATEGORY	DESCRIPTIONS
		1A	Fuel Value Liq/Drums
~~10~~85	~~10~~85	1B	Mixed Sludges
6.~~10~~55	65e55	1C	Shreddable Solids
		1D	Rags.
		1E	Aerosols
		1F	Non-Shreddable Solids
		1G	Bulk 1C High Density
		1G3	Ground up Filters
		1H	Bulk 1C Low Density
		2F	Bulk Liq >11K
		2G	Bulk Liq. 10K to 10,999
		3A	Direct Feed Only
		3AREPACK	Re-Pack
		3B	Consu
		3C	Lab-P
		C1	Shred
		C3	Re-Pa
		4A	Bulk
		4B	Bulk
			For A
		3ASP	Silve

19425

SAMPLE # 7766
B T U - 19425
ASH - 0.00
WATER - N/A
ACID - 4.61
HAL. - 0.87
P H - 8/6
FLASH POINT -
COMPATIBLE - YES - NO
IGNITES W/SPARK - YES - NO

DRUMS USED AS OVERPACKS 1e85

COMMENTS: 55 in the 85

DOCK SUPERVISOR: TD

DRUM # _____ DRUM # _____ DRU

DRUM # _____ DRUM # _____ DRUM # _____ DRUM # _____

(5)

MARINE SHALE PROCESSORS, INC.
INCOMING WASTE
HANDLING INSTRUCTIONS

DATE 4-30-96 GENERATOR Heat / Dallas, TX

TRUCKING COMPANY J.B. Hunt #90050

CP 11 Boxes TOTAL NO. OF PALLETS 11 8

LIQUID

SOLID

DRUM-M	1 @85	65 @55	@30	@20	@10	@5
DRUM-F	@55	@30	@20	@5		
LP	@55	@35	@20	@10	@5	

APPROVAL CODES 96005414 95002276

SPECIAL INSTRUCTIONS Verify if 85 is A overpack

BTU

TANK # T-1

RECEIVED BY (MSP PERSONNEL) (TD)

EFFECTIVE DATE 4-21-94

Started Logging truck at 11:30 Started Sampling truck at 11:35
Finished Logging truck at 11:44 Finished Sampling truck at 11:45

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 82178
BATON ROUGE, LOUISIANA 70884-2178

Tr- 90050 J- C- 7267 7118

H.A. 04302

PLEASE PRINT OR TYPE (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD980624035 Manifest Document No. 04292
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
HEAT ENERGY ADVANCED TECH., INC.
4460 SINGLETON BLVD.
DALLAS, TEXAS 75212

4. Generator's Phone (214) 637-6434

A. State Manifest Document Number LA A 3288924
B. State Generator's ID 50029

5. Transporter 1 Company Name HUNT SPECIAL COMMODITIES, INC.
6. US EPA ID Number ARD981908551
C. State Transporter's ID 41853
D. Transporter's Phone 800 368-8539

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
9828 HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380
10. US EPA ID Number LAD981057706
G. State Facility's ID
H. Facility's Phone 504 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. (RQ 100#) Waste Flammable solids, n.o.s., 4.1, UN1325, PG III, (Paint solids containing xylene, toluene) D001,D010,F001,F002,F003,F005, (ERG 32) 188202	65@55 56	DM	3630	G	0007310H D001,D010,F003 F001,F002,F005
b. (RQ 100#) Waste Flammable solids, n.o.s., 4.1 UN1325, PG III, (Paint solids containing xylene, toluene) D001,D010,F001,F002,F003,F005, (ERG 32)	6	DM CF	6 Boxes 3456	G P	0007310H D001,D010,F001 F002,F003,F005
c. (RQ 100#) Hazardous waste, solid, n.o.s., 9, NA3077, PG III, (Perc. Filters), F002 (ERG 31) 188204	5	CF	5 Boxes 4812	P	0007310H F002
d.					

J. Additional Descriptions for Materials Listed Above
11a. HEA/HEA/9600944
11b. HEA/HEA/9600944
11c. HEA/HEA/9500276

1137pm 4/30 #90050

K. Handling Codes for Wastes Listed Above
11a. M053
11b. M053
11c. M053

15. Special Handling Instructions and Additional Information
!!FLAMMABLE!!
KEEP AWAY FROM SOURCES OF IGNITION

EMERGENCY CONTACT: TONY CLARK
214 637-6434 (H.E.A.T., INC.)
214 530-9964 (HOME)
214 933-8070 (BEEPER)

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 minimize 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: HASSAN AICHA
Signature: Hassan Aicha
Month Day Year: 04 29 96

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: VICTOR BENNETT
Signature: Victor Bennett
Month Day Year: 04 30 96

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indi 96-GT000243
A) 188202
B) [redacted] 188267
C) 188204

1137pm 4/30 #90050

20. Facility Owner or materials covered by this m
Printed/Typed N
Signature
Month Day Year

COPY 1

Form 8700-22k(Rev. 9/

COPY 1: FACILITY TO DESTINATION STATE

DEQ FORM HW-3 (R 9/92)

No. 085502

Certificate of Materials Recycling

Date 05-15-96

Whereas, Marine Shale Processors, Inc. is a corporation organized under the laws of the State of Louisiana with its principal manufacturing facility in Amelia, Louisiana and

Whereas, Marine Shale Processors, Inc. operates the facility which uses, reuses, and recycles various recyclable materials to manufacture aggregates and other products under the authority of the Louisiana Solid Waste, Air Quality and Water Quality Regulations; the Louisiana Hazardous Waste Regulations, Chapter 41; Louisiana Statewide Order 29-B; Louisiana RCRA Interim Status Storage Permit LAD981057706; NPDES Permit #LA0067351; Water Quality Permit #WP1098; Air Quality Permit #1036 M-1; and 40 CFR Part 266;

Now, Therefore, Marine Shale Processors, Inc. does issue this certificate to:

CUSTOMER: HEAT ENERGY ADVANCED TECHNOLOG
4460 SINGLETON BLVD
DALLAS TX 75212

GENERATOR HEAT ENERGY ADVANCED TECHNOLOG
4460 SINGLETON BLVD
DALLAS TX 75212

To evidence the total use, reuse, and recycling of:

ALL MATERIALS PER YOUR MANIFEST NUMBER A3288924 , RECEIVED BY US ON 5/01/96.

Said use, reuse, and recycling has been completed on or about the date stated above in a manner consistent with acceptable engineering standards and in compliance with applicable permits, authorizations, rules and regulations issued or set forth by State and Federal authorities.

Marine Shale Processors, Inc.

Charles Bennett

Plant Manager

MSP FORM: CMRI (REV. 11/89)

096862

MSP

Heat Energy Advanced Tech
4460 Singleton Blvd
Dallas, TX 75212
Attn: Mary Ann Bayles

5-3-96

On 5-3-96, we received a waste shipment under Manifest Number(s) 3288924, and the following discrepancies were noted for which corrective actions by you were required:

Inserted "R" as per your instruction

The discrepancies and the corrective action have been noted on the manifest under Section 19 (Discrepancy Indication Space) as per our telephone conversation. Your signature below constitutes approval of the above noted corrective action. **This letter must be returned within 15 days from the receipt of shipment**; otherwise, this may become an EPA reportable discrepancy which could require further actions taken. Please keep one copy for your records.

Thank you for your prompt attention to this matter.

Generator Authorized Signature

Wade Hebert
Manifest Supervisor

Wade Hebert

For: Marine Shale Processors, Inc.

Marine Shale Processors, Inc.
9828 Highway 90 East • Morgan City, Louisiana 70380
(504) 631-3161 • 1-800-USA-MSPI

MSP

FACSIMILE TRANSMITAL SHEET

DATE: 5-24-96

TO: Mary Ann Bayles

FAX NUMBER 214-637-6453

MESSAGE PLEASE SIGN THE ATTACHED SHEET AND RETURN VIA FAX AND SEND ORIGINAL SIGNATURE IN THE MAIL. FAX #(504) 631-~~6079~~ 6277

FROM: Clara Guillot

Number of Pages(Including This Page): 2 Letter ____ Legal

If you do not receive the entire fax or if it is not legible, please call immediately at (504)631-3161. Thank You.

Time Sent

CLARA GUILLOT
Operator

Marine Shale Processors, Inc.
9828 Highway 90 East • Morgan City, Louisiana 70380
(504) 631-3161 • 1-800-USA-MSPI

MSP

Heat Energy Advanced Inc
4480 Singleton Blvd
Dallas, TX 75212
Attn: Mary Ann Bayles

5-3-96

On 5-3-96, we received a waste shipment under Manifest Number(s) 3288924, and the following discrepancies were noted for which corrective actions by you were required:

Inserted "R" as per your instruction.

The discrepancies and the corrective action have been noted on the manifest under Section 19 (Discrepancy Indication Space) as per our telephone conversation. Your signature below constitutes approval of the above noted corrective action. **This letter must be returned within 15 days from the receipt of shipment**, otherwise, this may become an EPA reportable discrepancy which could require further actions taken. Please keep one copy for your records.

Thank you for your prompt attention to this matter.

Marianne [illegible]
Generator Authorized Signature

Wade Hebert
Manifest Supervisor

Wade Hebert
For: Marine Shale Processors, Inc.

Marine Shale Processors, Inc.
9828 Highway 90 East • Morgan City, Louisiana 70380
(504) 631-3161 • 1-800-USA-MSPI

MSP

Heat Energy Advanced Tech
4400 Singleton Blvd
Dallas, TX 75212
Attn: Mary Ann Forbes

5-3-96

On 5-3-96, we received a waste shipment under Manifest Number(s) 3288984, and the following discrepancies were noted for which corrective actions by you were required:

Inserted "R" as per your instruction.

The discrepancies and the corrective action have been noted on the manifest under Section 19 (Discrepancy Indication Space) as per our telephone conversation. Your signature below constitutes approval of the above noted corrective action. **This letter must be returned within 15 days from the receipt of shipment**; otherwise, this may become an EPA reportable discrepancy which could require further actions taken. Please keep one copy for your records.

Thank you for your prompt attention to this matter.

Marianne Ford

Generator Authorized Signature

Wade Hebert
Manifest Supervisor

Wade Hebert

For: Marine Shale Processors, Inc.

Marine Shale Processors, Inc.
9828 Highway 90 East • Morgan City, Louisiana 70380
(504) 631-3161 • 1-800-USA-MSPI

MARINE SHALE PROCESSORS, INC.
INCOMING WASTE
HANDLING INSTRUCTIONS

DATE 6-18-96 GENERATOR Heat Energy Dallas, Tx

TRUCKING COMPANY Sadsod Corp

CP _____ TOTAL NO. OF PALLETS _____

LIQUID ✓

SOLID _____

DRUM-M	@85	@55	@30	@20	@10	@5
DRUM-F	@55	@30	@20	@5		
LP	@55	@35	@20	@10	@5	

APPROVAL CODES _____

SPECIAL INSTRUCTIONS _____

BTU _____

TANK # _____

RECEIVED BY (MSP PERSONNEL) #2786

EFFECTIVE DATE 4-21-94

Started Logging truck at _____ Started Sampling truck at _____
Finished Logging truck at _____ Finished Sampling truck at _____

GENERATOR: Heat Energy MSP CODE 96102652

TRUCK # 307 TRAILER # _____ MANIFEST # 3341862

DRUMS MANIFESTED	DRUMS RECEIVED	CATEGORY	DESCRIPTIONS
		1A	Fuel Value Liq/Drums
		1B	Mixed Sludges
		1C	Shreddable Solids
		1D	Rags
		1E	Aerosols
		1F	Non-Shreddable Solids
		1G	Bulk 1C High Density
		1G3	Ground up Filters
		1H	Bulk 1C Low Density
BL2FL045415 20W-		2F	Bulk Liq >11K
		2G	Bulk Liq. 10K to 10,999
		3A	Direct Feed Only
		3AREPACK	Re-Pack
		3B	Consumer Commodities
		3C	Lab-Pack
		C1	Shredda
		C3	Re-Pack
		4A	Bulk Sc
		4B	Bulk Sc
			For Ad
		3ASP	Silver

SAMPLE # 9646
B T U - 12,790
ASH - 0.98
WATER - 32.31
ACID - 3.38
HAL. - .34
P H - 7.71
FLASH POINT -
COMPATIBLE - YES - NO
IGNITES W/SPARK - YES - NO

DRUMS USED AS OVERPACKS _____

COMMENTS: _____

DOCK SUPERVISOR: _____

DRUM # _____ DRUM # _____ DRU

DRUM # _____ DRUM # _____ DRU

MARINE SHALE PROCESSORS, INC.

MSP
ENVIRONMENTALLY SAFE

PLANT LOCATION
HWY. 90 EAST
AMELIA, LA
(504) 631-3161

PAGE 1

NO. M95551

☐ X SALE

BILL TO

CUSTOMER NAME & ADDRESS
HEAT ENERGY ADVANCED TECHNOLOG
4460 SINGLETON BLVD
DALLAS TX 75212

☐ CUSTOMER TRANSPORT
CNF#: 96G2000157
BARGE NO.
M/V NAME

TRUCKING CO.
JB HUNT
TRUCK NO.
90128
FREIGHT
☐ PREPAID ☐ COLLECT

ACCT. CODE	MANIFEST NO.	GENERATOR NO.
01441	A3341886	TX0980624035

GROSS WT. +
ST#: 95065
TARE WT. -
NET WT. =
TONS

STORAGE TANK NO. 1
CUSTOMER P.O./CONTRACT NO. 1162

GENERATOR NAME & CITY, STATE ORIGIN
HEAT ENERGY ADVANCED TECHNOLOG
DALLAS TX

SAMPLE	BTU	MOIST	MSP APPROVAL #	TYPE	QUANTITY	UNIT	PRODUCT CODE

2183 5787 .01 HEA /HEA /9010150/ /
SCH NO: 180924 55 GL DR CAT 1C 00-10% 48 EA 0551C0010
PAINT SOLIDS
SYSTEM TYPE M053 best describes MSP's RECYCLING SYSTEM for this material

EPA CODES: D001 D010 F001 F002 F003 F005

TRUCK CO. (DRIVER) Leon Guidry
DATE 1-17-96
CUSTOMER/COMPANY REPRESENTATIVE
DATE 1/17/96
PLANT

DATE 1/17/96 17.07
PREPARED BY

70-1-7/89

ADMINISTRATIVE OFFICES: 9828 Highway 90 East, Morgan City, LA 70381

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 82178
BATON ROUGE, LOUISIANA 70884-2178

8240105

PLEASE PRINT OR TYPE (Form designed for use on elite (12-pitch) typewriter.) RECYCLE / REUSE

Form Approved. OMB No. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD980624035 — Manifest Document No.

2. Page 1 of 01 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
HEAT ENERGY ADVANCED TECHNOLOGY, INC.
4460 SINGLETON BLVD.
DALLAS, TEXAS 75212

4. Generator's Phone (214) 637-6434

A. State Manifest Document Number: LAA 334188
B. State Generator's ID: 50029

5. Transporter 1 Company Name: J.B. HUNT SPECIAL COMMODITIES, INC.
6. US EPA ID Number: ARD981908551

C. State Transporter's ID: 41859
D. Transporter's Phone: 1800 3481-8530

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
9828 HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380
10. US EPA ID Number: LAD981057706

G. State Facility's ID
H. Facility's Phone [redacted]

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. (RQ 100#) Waste Flammable solids, n.o.s., 4.1, UN1325 PG III, (Paint solids containing xylene, toluene) D001,D010,F001,F002,F003,F005, (ERG 32)		DM		G	0007310H D001,D010,F001, F002,F003,F005
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
RECYCLE/REUSE
11a. HEA/HEA/9010150

K. Handling Codes for Wastes Listed Above
11a. M053

15. Special Handling Instructions and Additional Information
!!FLAMMABLE!!
KEEP AWAY FROM SOURCES
OF IGNITION

EMERGENCY CONTACT: TONY CLARK
214 637-6434 (HEAT, IN.C)
214 530-9964 (HOME)
214 933-8070 (BEEPER)

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 minimize 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: HASSAN AICHA — Signature — Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Nels E. SWANSON — Signature: Nels E. Swanson — Month Day Year: 01 17 96

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space: Section fa. 0007310H is a D.E.Q. regulatory number.

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JAY LUCAS — Signature — Month Day Year: 01 17 96

GENERATOR

COPY 3

PA Form 8700-22k(Rev. 9/88) Previous edition is obsolete.

DEQ FORM HW-3 (R 9/94)

MARINE SHALE PROCESSORS, INC.
LAND DISPOSAL RESTRICTION FORM

SECTION I. Generator Information

Generator Name Heat Energy Advanced Tech., Inc.

Address 4460 Singleton Blvd.

Dallas, Texas 75212

MSP Approval Code HEA/HEA/9010150

Manifest No. LA 334188b

EPA ID No. TXD980624035

SECTION II. Material NOT Subject to Land Disposal Restrictions

The Land Disposal Restrictions as stipulated in 40 CFR 268 DO NOT apply to these materials because:

_____ The material is NOT regulated by the EPA.

_____ The material is regulated by the EPA, but is subject to a variance, extension or exemption to the effective date.

EPA Code	Constituent/ Subcategory	Treatability Group	Effective Date

SECTION III. Material Subject to Land Disposal Restrictions

NOTE: MSP DOES NOT ACCEPT EPA regulated wastewaters and dioxin-containing materials (F020 - F023 and F026 - F028).

X The shipment contains F001 - F005 spent solvents; *complete "F001 - F005 Spent Solvents".*

_____ The shipment includes F039 multi-source leachate; *complete "F039 and Universal Treatment Constituents".*

X The shipment includes D001 and/or D002 waste prohibited under 40 CFR 268.37, and/or D012 - D043 Characteristic Wastes prohibited under 40 CFR 268.38; *complete "F039 and Universal Treatment Constituents".*

X The shipment includes RCRA Section 3004(d) California list wastes; *complete "California List Constituents".*

_____ The shipment includes other Land Disposal Restricted materials; *identify below:*

EPA Code	Constituent/ Subcategory	Treatability Group
D001	Ignitable Solvents	FSUBS
F001		
F002		
F003		
F005		
D010		

F001 - F005 SPENT SOLVENTS

[Instructions: *Check the box beside each waste included in the offsite shipment; circle or otherwise identify the individual constituents likely to be present in each waste.*]

Nonwastewater

Hazardous Waste Description	Constituents of Concern
☒ F001 -- Spent halogenated solvents used in degreasing	Carbon tetrachloride Methylene chloride Tetrachloroethylene 1,1,1-Trichloroethane Trichloroethylene 1,1,2-Trichloro1,2,2-trifluoroethane Trichloromonofluoromethane
☒ F002 -- Spent halogenated solvents	Chlorobenzene o-Dichlorobenzene Methylene chloride Methylene chloride (wastewater from the pharmaceutical industry) Tetrachloroethylene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene 1,1,2-Trichloro-1,2,2-trifluoroethane Trichloromonofluoromethane
☒ F003 -- Spent non-halogenated solvents	Acetone n-Butyl alcohol Cyclohexanone[1] Ethyl acetate Ethyl benzene Ethyl ether Methanol[1] Methyl isobutyl ketone Xylenes (total)
☐ F004 -- Spent non-halogenated solvents	Cresol (m- and p-isomers) o-Cresol Nitrobenzene
☒ F005 -- Spent non-halogenated solvents	Benzene Carbon disulfide[1] 2-Ethoxyethanol Isobutyl alcohol Methyl ethyl ketone 2-Nitropropane Pyridine Toluene

[1]The treatment standards for carbon disulfide, cyclohexanone, and methanol nonwastewaters are based on the TCLP and apply only to spent solvents containing only one, two, or all three of these constituents. If a waste contains any of these three constituents along with any of the other constituents found in F001 - F005, then only the treatment standards for the other constituents apply (i.e., the standards for carbon disulfide, cyclohexanone, and methanol do not apply when other consituents are present).

F039 and UNIVERSAL TREATMENT CONSTITUENTS

[Check the box that applies.]

☒ This shipment includes F039 multi-source leachate. The individual constituents likely to be present are checked below or on the following pages.

☐ This shipment includes a D001 or D002 waste prohibited under §268.37 and/or D012 - D043 characteristic wastes and is prohibited under §268.38. The underlyi hazardous constituents in the waste, as defined in §268.2(i), are identified below or on the following pages.

EPA Code	Constituent/ Subcategory	Treatability Group

Constituents

- ☒ Acetone
- ☐ Acenaphthylene
- ☐ Acenaphthene
- ☐ Acetonitrile
- ☐ Acetophenone
- ☐ 2-Acetylaminofluorene
- ☐ Acrolein
- ☐ Acrylamide[1]
- ☐ Acrylonitrile
- ☐ Aldrin
- ☐ 4-Aminobiphenyl
- ☐ Aniline
- ☐ Anthracene
- ☐ Aramite
- ☐ Aroclor 1016
- ☐ Aroclor 1221
- ☐ Aroclor 1232
- ☐ Aroclor 1242
- ☐ Aroclor 1248
- ☐ Aroclor 1254
- ☐ Aroclor 1260
- ☐ alpha-BHC
- ☐ beta-BHC
- ☐ delta-BHC
- ☐ gamma-BHC
- ☐ Benzene
- ☐ Benz(a)anthracene
- ☐ Benzal chloride[1]
- ☐ Benzo(b)fluoranthene
- ☐ Benzo(k)fluoranthene
- ☐ Benzo(g,h,i)perylene
- ☐ Benzo(a)pyrene
- ☐ Bromodichloromethane
- ☐ Bromoform (Tribromomethane)
- ☐ Bromomethane (methyl bromide)
- ☐ 4-Bromophenyl phenyl ether
- ☒ n-Butyl alcohol
- ☐ Butyl benzyl phthalate
- ☐ 2-sec-Butyl-4,6-dinitrophenol (Dinoseb)
- ☐ Carbon tetrachloride
- ☐ Carbon disulfide
- ☐ Chlordane[2]
- ☐ p-Chloroaniline
- ☐ Chlorobenzene
- ☐ Chlorobenzilate
- ☐ 2-chloro-1,3-butadiene
- ☐ Chlorodibromomethane
- ☐ Chloroethane
- ☐ bis-(2-Chloroethoxy)methane
- ☐ bis-(2-Chloroethyl) ether
- ☐ bis-(2-ethylhexyl) phthalate
- ☐ Chloroform
- ☐ bis(2-Chloroisopropyl) ether
- ☐ p-Chloro-m-cresol
- ☐ 2-Chloroethyl vinyl ether[1]
- ☐ Chloromethane (methyl chloride)
- ☐ 2-Chloronaphthalene
- ☐ 2-Chlorophenol
- ☐ 3-Chloropropylene
- ☐ Chrysene
- ☒ o-Cresol
- ☒ Cresol (m- and p-isomers)
- ☒ Cyclohexanone
- ☐ 1,2-Dibromo-3-chloropropane
- ☐ 1,2-Dibromoethane (Ethylene dibromide)
- ☐ Dibromomethane
- ☐ 2,4-Dichlorophenoxy acetic acid (2,4-D)
- ☐ o,p'-DDD
- ☐ p,p'-DDD
- ☐ o,p'-DDE
- ☐ p,p'-DDE
- ☐ o,p'-DDT
- ☐ p,p'-DDT
- ☐ Dibenz(a,h) anthracene
- ☐ Dibenzo(a,e) pyrene
- ☐ m-Dichlorobenzene
- ☐ o-Dichlorobenzene
- ☐ p-Dichlorobenzene
- ☐ Dichlorodifluoromethane
- ☐ 1,1-Dichloroethane
- ☐ 1,2-Dichloroethane
- ☐ 1,1-Dichloroethylene
- ☐ trans- 1,2-Dichloroethylene
- ☐ 2,4-Dichlorophenol
- ☐ 2,6-Dichlorophenol
- ☐ 1,2-Dichloropropane
- ☐ cis- 1,3-Dichloropropene
- ☐ trans- 1,3-Dichloropropylene
- ☐ Dieldrin
- ☐ Diethyl phthalate
- ☐ p-Dimethylaminoazobenzene[1]
- ☐ 2,4-Dimethyl phenol
- ☐ Dimethyl phthalate
- ☐ Di-n-butyl phthalate
- ☐ 1,4-Dinitrobenzene
- ☐ 4,6-Dinitro-o-cresol
- ☐ 2,4-Dinitrophenol
- ☐ 2,4-Dinitrotoluene
- ☐ 2,6-Dinitrotoluene
- ☐ Di-n-octyl phthalate
- ☐ Di-n-propylnitrosoamine
- ☐ Diphenylamine
- ☐ 1,2-Diphenyl hydrazine
- ☐ Diphenyl nitrosamine
- ☐ 1,4-Dioxane
- ☐ Disulfoton
- ☐ Endosulfan I
- ☐ Endosulfan II
- ☐ Endosulfan sulfate
- ☐ Endrin
- ☐ Endrin aldehyde
- ☒ Ethyl acetate
- ☐ Ethyl cyanide (Propanenitrile)
- ☒ Ethyl benzene
- ☒ Ethyl ether
- ☐ bis(2-Ethylhexyl) phthalate
- ☐ Ethyl methacrylate
- ☐ Ethylene oxide
- ☐ Famphur
- ☐ Fluoranthene
- ☐ Fluorene
- ☐ Heptachlor
- ☐ Heptachlor epoxide
- ☐ Hexachlorobenzene
- ☐ Hexachlorobutadiene
- ☐ Hexachlorocyclopentadiene
- ☐ Hexachlorodibenzo-furans
- ☐ Hexachlorodibenzo-p-dioxins
- ☐ Hexachloroethane
- ☐ Hexachloropropylene
- ☐ Indeno(1,2,3-c,d)pyrene
- ☐ Iodomethane

- ■ Isobutyl alcohol
- □ Isodrin
- □ Isosafrole
- □ Kepone
- □ Methacrylonitrile
- ■ Methanol
- □ Methapyrilene
- □ Methoxychlor
- □ 3-Methylcholanthrene
- □ 4,4-Methylene-bis-(2-chloroaniline)
- ■ Methylene chloride
- ■ Methyl ethyl ketone
- ■ Methyl isobutyl ketone
- □ Methyl methacrylate
- □ Methyl methansulfonate
- □ Methyl parathion
- □ Naphthalene
- □ 2-Naphthylamine
- □ o-Nitroaniline[1]
- □ p-Nitroaniline
- ■ Nitrobenzene
- □ 5-Nitro-o-toluidine
- □ o-Nitrophenol[1]
- □ p-Nitrophenol
- □ N-Nitrosodiethylamine
- □ N-Nitrosodiemethylamine
- □ N-Nitroso-di-n-butylamine
- □ N-Nitrosomethylethylamine
- □ N-Nitrosomorpholine
- □ N-Nitrosopiperidine
- □ N-Nitrosopyrrolidine
- □ Parathion
- □ PCB's (Total)
- □ Pentachlorobenzene
- □ Pentachlorodibenzo-furans
- □ Pentachlorodibenzo-p-dioxins
- □ Pentachloroethane[1]
- □ Pentachloronitrobenzene
- □ Pentachlorophenol
- □ Phenacetin
- □ Phenanthrene
- □ Phenol
- □ Phorate
- □ Phthalic acid[1]
- □ Phthalic anhydride
- □ Pronamide
- □ Propanenitrile (ethyl cyanide)
- □ Pyrene
- □ Pyridine
- □ Safrole
- □ Silvex (2,4,5-TP)
- □ 2,4,5-T (2,4,5, Trichlorophenoxyacetic acid)
- □ 1,2,4,5-Tetrachlorobenzene
- □ Tetrachlorodibenzo-furans
- □ Tetrachlorodibenzo-p-dioxins
- □ 1,1,1,2-Tetrachloroethane
- □ 1,1,2,2-Tetrachloroethane
- ■ Tetrachloroethylene
- □ 2,3,4,6-Tetrachlorophenol
- ■ Toluene
- □ Toxaphene
- □ Tribromomethane (bromoform)
- □ 1,2,4-Trichlorobenzene
- ■ 1,1,1-Trichloroethane
- □ 1,1,2-Trichloroethane
- ■ Trichloroethylene
- □ Trichloromonofluoromethane
- □ 2,4,5-Trichlorophenol
- □ 2,4,6-Trichlorophenol
- □ 1,2,3-Trichloropropane
- ■ 1,1,2-Trichloro-1,2,2-trifluoroethane
- □ Tris(2,3-dibromopropyl) phosphate
- □ Vinyl chloride
- ■ Xylene(s)
- □ Cyanides (Total)
- □ Cyanides (amenable)
- □ Fluoride
- □ Sulfide
- □ Antimony
- □ Arsenic
- □ Barium
- □ Beryllium
- □ Cadmium
- □ Chromium (Total)
- □ Copper
- □ Lead
- □ Mercury
- □ Mercury (retort residues)[1]
- □ Nickel
- ■ Selenium
- □ Silver
- □ Thallium
- □ Vanadium
- □ Zinc

[1]This constituent is not a regulated hazardous constituent in F039.

[2]This constituent includes alpha and gamma isomers.

Source: 56 *FR* 3892-3911.

CALIFORNIA LIST CONSTITUENTS

[*Check the box of constituents likely to be present.*]

Constituent
□ Nickel
□ Thallium
□ * Liquids with PCBs
■ Wastes containing HOCs[1]

[1] Halogenated organic compounds.

* Not acceptable for shipment to MSP.

SECTION IV. LAB PACKS

EPA Code(s): _____

_____ Lab Packs with EPA Code(s) specified by 40 CFR 268 Appendix IV must be referenced in Section III of this form and may n be packaged or manifested for alternative lab pack treatment standards.

As required by 40 *CFR* 268.7(a)(8), the following certification is made for these restricted wastes:

_____ *I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains onl the wastes which have not been excluded under appendix IV to 40 CFR Part 268 or solid wastes not subject to regulation under 4 CFR Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fin or imprisonment.*

SECTION V. CERTIFICATION

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

Authorized Representative Signature

HASSAN AICHA

Print or Type Name

Plant Manager

Title

01/16/96

Date

GENERATOR: Heat Energy Advanced Technology MSP CODE 9010150

TRUCK # _____ TRAILER # 9a128 MANIFEST # LAA3341886

DRUMS MANIFESTED	DRUMS RECEIVED	CATEGORY	DESCRIPTIONS
		1A	Fuel Value Liq/Drums
		1B	Mixed Sludges 5787
48@55	48@55	1C	Shreddable Solids
		1D	Rags
		1E	Aerosols
		1F	Non-Shreddable Solids
		1G	Bulk 1C High Density
		1G3	Ground up Filters
		1H	Bulk 1C Low Density
		2F	Bulk Liq >11K
		2G	Bulk Liq. 10K to 10,999
		3A	Direct Feed Only
		3AREPACK	Re-Pack
		3B	Cons
		3C	Lab-1
		C1	Shred
		C3	Re-Pa
		4A	Bulk
		4B	Bulk
			For A
		3ASP	Silve

SAMPLE # 2183
B T U - 5787
ASH - 2.58
WATER - NA
ACID - 3.12
HAL. - 0.47
P H - 5.5
FLASH POINT - —
COMPATIBLE - YES - NO
IGNITES W/SPARK - YES - NO

DRUMS USED AS OVERPACKS _____

COMMENTS: _____

DOCK SUPERVISOR: RKJ

DRUM # _____ DRUM # _____ DRUM _____

DRUM # _____ DRUM # _____ DRUM # _____ DRUM # _____

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 82178
BATON ROUGE, LOUISIANA 70884-2178

PLEASE PRINT OR TYPE (Form designed for use on elite (12-pitch) typewriter.) **RECYCLE / REUSE** Form Approved. OMB No. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. / Manifest Document No.: TXD980624035 / 11612
2. Page 1 of 3: 01
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
HEAT ENERGY ADVANCED, TECHNOLOGY, INC.
4460 SINGLETON BLVD.
DALLAS, TEXAS 75212

A. State Manifest Document Number: LAA33341886
B. State Generator's ID: 50029

4. Generator's Phone (214) 637-6434

5. Transporter 1 Company Name: J.B. HUNT SPECIAL COMMODITIES, INC.
6. US EPA ID Number: ARD981908551
C. State Transporter's ID: 41853
D. Transporter's Phone: 800 368-8539

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
9828 HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380
10. US EPA ID Number: LAD981057706
G. State Facility's ID
H. Facility's Phone: (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. (RQ 100#) Waste Flammable solids, n.o.s., 4.1, UN1325 PG III, (Paint solids containing xylene, ~~toluene~~) D001,D010,F001,F002,F003,F005, (ERG 32) 180924	48	DM	26410	G	0007310H D001,D010,F001 F002,F003,F005
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above
RECYCLE / REUSE
11a. HEA/HEA/9010150

K. Handling Codes for Wastes Listed Above
11a. M053

15. Special Handling Instructions and Additional Information
!!FLAMMABLE!!
KEEP AWAY FROM SOURCES
OF IGNITION

EMERGENCY CONTACT: TONY CLARK
214 637-6434 (HEAT, IN.C)
214 530-9964 (HOME)
214 933-8070 (BEEPER)

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.

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Printed/Typed Name: HASSAN AICHA
Signature: [signature] Month Day Year: 10 11 96

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Nels E. SWANSON
Signature: Nels E. Swanson Month Day Year: 10 1 1 96

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name
Signature Month Day Year

GENERATOR
TRANSPORTER
FACILITY
COPY 1

PA Form 8700-22k(Rev. 9/88) Previous edition is obsolete.
DEQ FORM HW-3 (R 9/94)

No. 082096

Certificate of Materials Recycling

Date 1-31-96

Whereas, Marine Shale Processors, Inc. is a corporation organized under the laws of the State of Louisiana with its principal manufacturing facility in Amelia, Louisiana and

Whereas, Marine Shale Processors, Inc. operates the facility which uses, reuses, and recycles various recyclable materials to manufacture aggregates and other products under the authority of the Louisiana Solid Waste, Air Quality and Water Quality Regulations; the Louisiana Hazardous Waste Regulations, Chapter 41; Louisiana Statewide Order 29-B; Louisiana RCRA Interim Status Storage Permit LAD981057706; NPDES Permit #LA0067351; Water Quality Permit #WP1098; Air Quality Permit #1036 M-1; and 40 CFR Part 266;

Now, Therefore, Marine Shale Processors, Inc. does issue this certificate to:

CUSTOMER: HEAT ENERGY ADVANCED TECHNOLOG
4460 SINGLETON BLVD
DALLAS TX 75212

GENERATOR: HEAT ENERGY ADVANCED TECHNOLOG
4460 SINGLETON BLVD
DALLAS TX 75212

To evidence the total use, reuse, and recycling of:

ALL MATERIALS PER YOUR MANIFEST NUMBER A3341886 , RECEIVED BY US ON 1/17/96.

Said use, reuse, and recycling has been completed on or about the date stated above in a manner consistent with acceptable engineering standards and in compliance with applicable permits, authorizations, rules and regulations issued or set forth by State and Federal authorities.

Marine Shale Processors, Inc.

Charles Simmons

Plant Manager

MSP FORM: CMRI (REV. 11/89)

082291

MARINE SHALE PROCESSORS, INC.

MSP
ENVIRONMENTALLY SAFE

PLANT LOCATION
HWY. 90 EAST
AMELIA, LA
(504) 631-3161

PAGE 1

NO. M95213

☒ SALE

BILL TO

CUSTOMER NAME & ADDRESS
HEAT ENERGY ADVANCED TECHNOLOG
4460 SINGLETON BLVD
DALLAS TX 75212

☐ CUSTOMER TRANSPORT
CNF#: 96G2000017
BARGE NO.
M/V NAME

TRUCKING CO.
J.B. HUNT
TRUCK NO.
90082
FREIGHT
☐ PREPAID ☐ COLLECT

ACCT. CODE	MANIFEST NO.	GENERATOR NO.
01441	A3341884	TXD980624035

GROSS WT. +
ST#: 94777
TARE WT. -
NET WT. =
TONS
STORAGE TANK NO. 1
CUSTOMER P.O./CONTRACT NO. 01042

GENERATOR NAME & CITY, STATE ORIGIN
HEAT ENERGY ADVANCED TECHNOLOG
DALLAS TX

SAMPLE	BTU	MOIST	MSP APPROVAL #	TYPE	QUANTITY	UNIT	PRODUCT CODE

1641 13247 .01 HEA HEA 9010150
SCH NO: 180209 55 GL DR CAT IC 00-10% 54 EA 05510010
PAINT SOLIDS
SYSTEM TYPE M053 best describes MSP's RECYCLING SYSTEM for this material

EPA CODES: D001 D010 F001 F002 F003 F005

TRUCK CO. (DRIVER) DATE

CUSTOMER/COMPANY REPRESENTATIVE DATE
Jerry W. Williams 1-6-96 1/06/96

DATE 1/06/96 6:53
PREPARED BY Clara Dullet

PLANT

70-1-7/89

ADMINISTRATIVE OFFICES: 9828 Highway 90 East, Morgan City, LA 70381

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 82178
BATON ROUGE, LOUISIANA 70884-2178

PLEASE PRINT OR TYPE (Form designed for use on elite (12-pitch) typewriter.) RECYCLE / REUSE Form Approved. OMB No. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. T X D 9 8 0 6 2 4 0 3 5 6 — Manifest Document No. 1 0 4 7 2
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
HEAT ENERGY ADVANCED TECHNOLOGY, INC.
4460 SINGLETON BLVD.
DALLAS, TEXAS 75212
4. Generator's Phone (214) 637-6434

A. State Manifest Document Number LAA-341884
B. State Generator's ID 59089
C. State Transporter's ID 41053
D. Transporter's Phone 1800 368-8539
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone (504) 631-2101

5. Transporter 1 Company Name: J.B. Hunt Special Commodities, Inc.
6. US EPA ID Number: A R D 9 8 1 9 0 8 5 5 1 1
7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
9528 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)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. (RQ 100#) Waste Flammable solids, n.o.s., 4.1, UN1325 PG III, (Paint solids containing Xylene, Toluene), (D001,D010,F001,F002,F003,F005), (ERG 32)	6 4	DM	3 5 2 0	G	0007310H D001,D010,F001 F002,F003,F005
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above
RECYCLE/REUSE
11a. HEA/HEA/9010150

K. Handling Codes for Wastes Listed Above
11a. M053

15. Special Handling Instructions and Additional Information
!!FLAMMABLE!!
KEEP AWAY FROM SOURCES
OF IGNITION

EMERGENCY CONTACT: TONY CLARK
214 637-6434 (HEAT, INC.)
214 530-9964 (HOME)
214 933-8070 (BEEPER)

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 minimize 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: HASSAN ATCHA
Signature: Hassan Atcha
Month Day Year: 10 1 0 1 4 1 9 6

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Evelyn F. Gose
Signature: Evelyn F. Gose
Month Day Year: 1 0 1 1 0 1 4 1 9 6

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space: Section 9a - 0007310H. is a Pa regulatory number.

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: CLARA GUILLOT
Signature: Clara Guillot
Month Day Year: 1 0 1 0 6 9 6

GENERATOR
TRANSPORTER
FACILITY
COPY 3

EPA Form 8700-22k(Rev. 9/88) Previous edition is obsolete.
DEQ FORM HW-3 (R 9/94)

MARINE SHALE PROCESSORS, INC.
LAND DISPOSAL RESTRICTION FORM

SECTION I. Generator Information

Generator Name Heat Energy Advanced Tech., Inc.

Address 4460 Singleton Blvd.

Dallas, Texas 75212

MSP Approval Code HEA/HEA/9010150

Manifest No. LA A 3341884

EPA ID No. TXD980624035

SECTION II. Material NOT Subject to Land Disposal Restrictions

The Land Disposal Restrictions as stipulated in 40 CFR 268 DO NOT apply to these materials because:

_____ The material is NOT regulated by the EPA.

_____ The material is regulated by the EPA, but is subject to a variance, extension or exemption to the effective date.

EPA Code	Constituent/ Subcategory	Treatability Group	Effective Date

SECTION III. Material Subject to Land Disposal Restrictions

NOTE: MSP DOES NOT ACCEPT EPA regulated wastewaters and dioxin-containing materials (F020 - F023 and F026 - F028).

X The shipment contains F001 - F005 spent solvents; *complete "F001 - F005 Spent Solvents".*

_____ The shipment includes F039 multi-source leachate; *complete "F039 and Universal Treatment Constituents".*

X The shipment includes D001 and/or D002 waste prohibited under 40 CFR 268.37, and/or D012 - D043 Characteristic Wastes prohibited under 40 CFR 268.38; *complete "F039 and Universal Treatment Constituents".*

X The shipment includes RCRA Section 3004(d) California list wastes; *complete "California List Constituents".*

_____ The shipment includes other Land Disposal Restricted materials; *identify below:*

EPA Code	Constituent/ Subcategory	Treatability Group
D001	Ignitable Solvents	FSUBS
F001		
F002		
F003		
F005		
D010		

F001 - F005 SPENT SOLVENTS

[Instructions: *Check the box beside each waste included in the offsite shipment; circle or otherwise identify the individual constituents likely to be present in each waste.*]

Nonwastewater

Hazardous Waste Description	Constituents of Concern
☒ F001 -- Spent halogenated solvents used in degreasing	Carbon tetrachloride Methylene chloride Tetrachloroethylene 1,1,1-Trichloroethane Trichloroethylene 1,1,2-Trichloro1,2,2-trifluoroethane Trichloromonofluoromethane
☒ F002 -- Spent halogenated solvents	Chlorobenzene o-Dichlorobenzene Methylene chloride Methylene chloride (wastewater from the pharmaceutical industry) Tetrachloroethylene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene 1,1,2-Trichloro-1,2,2-trifluoroethane Trichloromonofluoromethane
☒ F003 -- Spent non-halogenated solvents	Acetone n-Butyl alcohol Cyclohexanone[1] Ethyl acetate Ethyl benzene Ethyl ether Methanol[1] Methyl isobutyl ketone Xylenes (total)
☐ F004 -- Spent non-halogenated solvents	Cresol (m- and p-isomers) o-Cresol Nitrobenzene
☒ F005 -- Spent non-halogenated solvents	Benzene Carbon disulfide[1] 2-Ethoxyethanol Isobutyl alcohol Methyl ethyl ketone 2-Nitropropane Pyridine Toluene

[1]The treatment standards for carbon disulfide, cyclohexanone, and methanol nonwastewaters are based on the TCLP and apply only to spent solvents containing only one, two, or all three of these constituents. If a waste contains any of these three constituents along with any of the other constituents found in F001 - F005, then only the treatment standards for the other constituents apply (i.e., the standards for carbon disulfide, cyclohexanone, and methanol do not apply when other consituents are present).

F039 and UNIVERSAL TREATMENT CONSTITUENTS

[Check the box that applies.]

☒ This shipment includes F039 multi-source leachate. The individual constituents likely to be present are checked below or on the following pages.

☐ This shipment includes a D001 or D002 waste prohibited under §268.37 and/or D012 - D043 characteristic wastes and is prohibited under §268.38. The underlyi hazardous constituents in the waste, as defined in §268.2(i), are identified below or on the following pages.

EPA Code	Constituent/ Subcategory	Treatability Group

Constituents

- ☒ Acetone
- ☐ Acenaphthylene
- ☐ Acenaphthene
- ☐ Acetonitrile
- ☐ Acetophenone
- ☐ 2-Acetylaminofluorene
- ☐ Acrolein
- ☐ Acrylamide[1]
- ☐ Acrylonitrile
- ☐ Aldrin
- ☐ 4-Aminobiphenyl
- ☐ Aniline
- ☐ Anthracene
- ☐ Aramite
- ☐ Aroclor 1016
- ☐ Aroclor 1221
- ☐ Aroclor 1232
- ☐ Aroclor 1242
- ☐ Aroclor 1248
- ☐ Aroclor 1254
- ☐ Aroclor 1260
- ☐ alpha-BHC
- ☐ beta-BHC
- ☐ delta-BHC
- ☐ gamma-BHC
- ☐ Benzene
- ☐ Benz(a)anthracene
- ☐ Benzal chloride[1]
- ☐ Benzo(b)fluoranthene
- ☐ Benzo(k)fluoranthene
- ☐ Benzo(g,h,i)perylene
- ☐ Benzo(a)pyrene
- ☐ Bromodichloromethane
- ☐ Bromoform (Tribromomethane)
- ☐ Bromomethane (methyl bromide)
- ☐ 4-Bromophenyl phenyl ether
- ☒ n-Butyl alcohol
- ☐ Butyl benzyl phthalate
- ☐ 2-sec-Butyl-4,6-dinitrophenol (Dinoseb)
- ☐ Carbon tetrachloride
- ☐ Carbon disulfide
- ☐ Chlordane[2]
- ☐ p-Chloroaniline
- ☐ Chlorobenzene
- ☐ Chlorobenzilate
- ☐ 2-chloro-1,3-butadiene
- ☐ Chlorodibromomethane
- ☐ Chloroethane
- ☐ bis-(2-Chloroethoxy)methane
- ☐ bis-(2-Chloroethyl) ether
- ☐ bis-(2-ethylhexyl) phthalate
- ☐ Chloroform
- ☐ bis(2-Chloroisopropyl) ether
- ☐ p-Chloro-m-cresol
- ☐ 2-Chloroethyl vinyl ether[1]
- ☐ Chloromethane (methyl chloride)
- ☐ 2-Chloronaphthalene
- ☐ 2-Chlorophenol
- ☐ 3-Chloropropylene
- ☐ Chrysene
- ☒ o-Cresol
- ☒ Cresol (m- and p-isomers)
- ☒ Cyclohexanone
- ☐ 1,2-Dibromo-3-chloropropane
- ☐ 1,2-Dibromoethane (Ethylene dibromide)
- ☐ Dibromomethane
- ☐ 2,4-Dichlorophenoxy acetic acid (2,4-D)
- ☐ o,p'-DDD
- ☐ p,p'-DDD
- ☐ o,p'-DDE
- ☐ p,p'-DDE
- ☐ o,p'-DDT
- ☐ p,p'-DDT
- ☐ Dibenz(a,h) anthracene
- ☐ Dibenzo(a,e) pyrene
- ☐ m-Dichlorobenzene
- ☐ o-Dichlorobenzene
- ☐ p-Dichlorobenzene
- ☐ Dichlorodifluoromethane
- ☐ 1,1-Dichloroethane
- ☐ 1,2-Dichloroethane
- ☐ 1,1-Dichloroethylene
- ☐ trans- 1,2-Dichloroethylene
- ☐ 2,4-Dichlorophenol
- ☐ 2,6-Dichlorophenol
- ☐ 1,2-Dichloropropane
- ☐ cis- 1,3-Dichloropropene
- ☐ trans- 1,3-Dichloropropylene
- ☐ Dieldrin
- ☐ Diethyl phthalate
- ☐ p-Dimethylaminoazobenzene[1]
- ☐ 2,4-Dimethyl phenol
- ☐ Dimethyl phthalate
- ☐ Di-n-butyl phthalate
- ☐ 1,4-Dinitrobenzene
- ☐ 4,6-Dinitro-o-cresol
- ☐ 2,4-Dinitrophenol
- ☐ 2,4-Dinitrotoluene
- ☐ 2,6-Dinitrotoluene
- ☐ Di-n-octyl phthalate
- ☐ Di-n-propylnitrosoamine
- ☐ Diphenylamine
- ☐ 1,2-Diphenyl hydrazine
- ☐ Diphenyl nitrosamine
- ☐ 1,4-Dioxane
- ☐ Disulfoton
- ☐ Endosulfan I
- ☐ Endosulfan II
- ☐ Endosulfan sulfate
- ☐ Endrin
- ☐ Endrin aldehyde
- ☒ Ethyl acetate
- ☐ Ethyl cyanide (Propanenitrile)
- ☒ Ethyl benzene
- ☒ Ethyl ether
- ☐ bis(2-Ethylhexyl) phthalate
- ☐ Ethyl methacrylate
- ☐ Ethylene oxide
- ☐ Famphur
- ☐ Fluoranthene
- ☐ Fluorene
- ☐ Heptachlor
- ☐ Heptachlor epoxide
- ☐ Hexachlorobenzene
- ☐ Hexachlorobutadiene
- ☐ Hexachlorocyclopentadiene
- ☐ Hexachlorodibenzo-furans
- ☐ Hexachlorodibenzo-p-dioxins
- ☐ Hexachloroethane
- ☐ Hexachloropropylene
- ☐ Indeno(1,2,3-c,d)pyrene
- ☐ Iodomethane

- ■ Isobutyl alcohol
- □ Isodrin
- □ Isosafrole
- □ Kepone
- □ Methacrylonitrile
- ■ Methanol
- □ Methapyrilene
- □ Methoxychlor
- □ 3-Methylcholanthrene
- □ 4,4-Methylene-bis-(2-chloroaniline)
- ■ Methylene chloride
- ■ Methyl ethyl ketone
- ■ Methyl isobutyl ketone
- □ Methyl methacrylate
- □ Methyl methansulfonate
- □ Methyl parathion
- □ Naphthalene
- □ 2-Naphthylamine
- □ o-Nitroaniline[1]
- □ p-Nitroaniline
- ■ Nitrobenzene
- □ 5-Nitro-o-toluidine
- □ o-Nitrophenol[2]
- □ p-Nitrophenol
- □ N-Nitrosodiethylamine
- □ N-Nitrosodiemethylamine
- □ N-Nitroso-di-n-butylamine
- □ N-Nitrosomethylethylamine
- □ N-Nitrosomorpholine
- □ N-Nitrosopiperidine
- □ N-Nitrosopyrrolidine
- □ Parathion
- □ PCB's (Total)
- □ Pentachlorobenzene
- □ Pentachlorodibenzo-furans
- □ Pentachlorodibenzo-p-dioxins
- □ Pentachloroethane[1]
- □ Pentachloronitrobenzene
- □ Pentachlorophenol
- □ Phenacetin
- □ Phenanthrene
- □ Phenol
- □ Phorate
- □ Phthalic acid[1]
- □ Phthalic anhydride
- □ Pronamide
- □ Propanenitrile (ethyl cyanide)
- □ Pyrene
- □ Pyridine
- □ Safrole
- □ Silvex (2,4,5-TP)
- □ 2,4,5-T (2,4,5, Trichlorophenoxyacetic acid)
- □ 1,2,4,5-Tetrachlorobenzene
- □ Tetrachlorodibenzo-furans
- □ Tetrachlorodibenzo-p-dioxins
- □ 1,1,1,2-Tetrachloroethane
- □ 1,1,2,2-Tetrachloroethane
- ■ Tetrachloroethylene
- □ 2,3,4,6-Tetrachlorophenol
- ■ Toluene
- □ Toxaphene
- □ Tribromomethane (bromoform)
- □ 1,2,4-Trichlorobenzene
- ■ 1,1,1-Trichloroethane
- □ 1,1,2-Trichloroethane
- ■ Trichloroethylene
- □ Trichloromonofluoromethane
- □ 2,4,5-Trichlorophenol
- □ 2,4,6-Trichlorophenol
- □ 1,2,3-Trichloropropane
- ■ 1,1,2-Trichloro-1,2,2-trifluoroethane
- □ Tris(2,3-dibromopropyl) phosphate
- □ Vinyl chloride
- ■ Xylene(s)
- □ Cyanides (Total)
- □ Cyanides (amenable)
- □ Fluoride
- □ Sulfide
- □ Antimony
- □ Arsenic
- □ Barium
- □ Beryllium
- □ Cadmium
- □ Chromium (Total)
- □ Copper
- □ Lead
- □ Mercury
- □ Mercury (retort residues)[1]
- □ Nickel
- ■ Selenium
- □ Silver
- □ Thallium
- □ Vanadium
- □ Zinc

[1]This constituent is not a regulated hazardous constituent in F039.

[2]This constituent includes alpha and gamma isomers.

Source: 56 *FR* 3892-3911.

CALIFORNIA LIST CONSTITUENTS

[*Check the box of constituents likely to be present.*]

Constituent
□ Nickel
□ Thallium
□ * Liquids with PCBs
■ Wastes containing HOCs[1]

[1] Halogenated organic compounds.

* Not acceptable for shipment to MSP.

SECTION IV. LAB PACKS

EPA Code(s): _____

_____ Lab Packs with EPA Code(s) specified by 40 CFR 268 Appendix IV must be referenced in Section III of this form and may no be packaged or manifested for alternative lab pack treatment standards.

As required by 40 *CFR* 268.7(a)(8), the following certification is made for these restricted wastes:

_____ *I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only the wastes which have not been excluded under appendix IV to 40 CFR Part 268 or solid wastes not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.*

SECTION V. CERTIFICATION

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

Authorized Representative Signature

HASSAN AICHA

Print or Type Name

Plant Manager

Title

01/04/96

Date

GENERATOR: Heat Exchangers MSP CODE 9010150

TRUCK # _____ TRAILER # _____ MANIFEST # 3341884

DRUMS MANIFESTED	DRUMS RECEIVED	CATEGORY	DESCRIPTIONS
		1A	Fuel Value Liq/Drums
		1B	Mixed Sludges
64@55	64@55	1C	Shreddable Solids
		1D	Rags
		1E	Aerosols
		1F	Non-Shreddable Solids
		1G	Bulk 1C High Density
		1G3	Ground up Filters
		1H	Bulk 1C Low Density
		2F	Bulk Liq >11K
		2G	Bulk Liq. 10K to 10,999
		3A	Direct Feed Only
		3AREPACK	Re-Pack
		3B	Consumer Commodities
		3C	Lab-
		C1	Shre
		C3	Re-F
		4A	Bulk
		4B	Bulk
			For
		3ASP	Silv

13247

SAMPLE # 1641
B T U - 13247
ASH - 3.09
WATER - NA
ACID - 11.04
HAL. - 6.83
P H - 5/7
FLASH POINT -
COMPATIBLE - (YES) - NO
IGNITES W/SPARK - YES - (NO)

DRUMS USED AS OVERPACKS _____

COMMENTS: _____

DOCK SUPERVISOR: RMJ

DRUM # _____ DRUM # _____ DRU

DRUM # _____ DRUM # _____ DRU

Jd # 8196715 WW # 90082
S # 1641-13247

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 82178
BATON ROUGE, LOUISIANA 70884-2178

PLEASE PRINT OR TYPE (Form designed for use on elite (12-pitch) typewriter.) **RECYCLE / REUSE** Form Approved. OMB No. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD980624035 — Manifest Document No. 10101612
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
HEAT ENERGY ADVANCED TECHNOLOGY, INC.
4460 SINGLETON BLVD.
DALLAS, TEXAS 75212

4. Generator's Phone (214) 637-6434

A. State Manifest Document Number: LAA 3341884
B. State Generator's ID: 50029

5. Transporter 1 Company Name: J.B. Hunt Special Commodities, Inc.
6. US EPA ID Number: ARD981908551
C. State Transporter's ID: 41853
D. Transporter's Phone: 800 368-8539

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
9828 HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380
10. US EPA ID Number: LAD981057708
G. State Facility's ID
H. Facility's Phone: (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. (RQ 100#) Waste Flammable solids, n.o.s., 4.1, UN1325 PG III, (Paint solids containing Xylene, Toluene), (D001,D010,F001,F002,F003,F005), (ERG 32)	64 55 / 164	DM	35210	G	D001,D010,F001 F002,F003,F005
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above
RECYCLE / REUSE
11a. HEA/HEA/9010150

K. Handling Codes for Wastes Listed Above
11a. M053

15. Special Handling Instructions and Additional Information
!!FLAMMABLE!!
KEEP AWAY FROM SOURCES OF IGNITION
EMERGENCY CONTACT: TONY CLARF
214 637-6434 (HEAT, INC.)
214 530-9964 (HOME)
214 933-8070 (BEEPER)
1/5
1225pm

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above b and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regu

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 ha selected the practicable method of treatment, storage, or disposal currently available to me which minimize the present and future threat to hun 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 a

#90082

Printed/Typed Name: HASSAN AICHA
Signature: Hassan Aicha
Month Day Year: 01 10 96

17. Transporter 1 Acknowledg
Printed/Typed Name: Evelyn Fi
Signature: Evelyn
Month Day Year: 01 10 96

180209

18. Transporter 2 Acknowledge
Printed/Typed Name
Signature
Month Day Year

1/5
1225pm

19. Discrepancy Indication Space

#90082

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except
Printed/Typed Name
Signature
Month Day Year

GENERATOR
TRANSPORTER
COPY 1

EPA Form 8700-22(Rev. 9/88) Previous edition is obsolete.

No. 081754 *Certificate of Materials Recycling* Date 1-15-96

Whereas, Marine Shale Processors, Inc. is a corporation organized under the laws of the State of Louisiana with its principal manufacturing facility in Amelia, Louisiana and

Whereas, Marine Shale Processors, Inc. operates the facility which uses, reuses, and recycles various recyclable materials to manufacture aggregates and other products under the authority of the Louisiana Solid Waste, Air Quality and Water Quality Regulations; the Louisiana Hazardous Waste Regulations, Chapter 41; Louisiana Statewide Order 29-B; Louisiana RCRA Interim Status Storage Permit LAD981057706; NPDES Permit #LA0067351; Water Quality Permit #WP1098; Air Quality Permit #1036 M-1; and 40 CFR Part 266;

Now, Therefore, Marine Shale Processors, Inc. does issue this certificate to:

CUSTOMER: HEAT ENERGY ADVANCED TECHNOLOG
4460 SINGLETON BLVD
DALLAS TX 75212

GENERATOR HEAT ENERGY ADVANCED TECHNOLOG
4460 SINGLETON BLVD
DALLAS TX 75212

To evidence the total use, reuse, and recycling of:

ALL MATERIALS PER YOUR MANIFEST NUMBER A3341884 , RECEIVED BY US ON 1/06/96.

Said use, reuse, and recycling has been completed on or about the date stated above in a manner consistent with acceptable engineering standards and in compliance with applicable permits, authorizations, rules and regulations issued or set forth by State and Federal authorities.

Marine Shale Processors, Inc.

Plant Manager

MSP FORM: CMRI (REV. 11/89)

093018