

United States of America Department of Homeland Security **United States Coast Guard**

Certification Date: 12 May 2023 12 May 2028 Expiration Date:

For ships on international voyages this certificate fulfills the requirements of SOLAS 74 as amended, regulation V/14, for a SAFE MANNING DOCUMENT.

Vessel Name	Official Nu	ımber	IMO Numb	er	Call Sign	Service	
FMT 3214	12068	83				Tank Ba	arge
Hailing Port							
NEW ORLEANS, LA	н	ull Material	Horse	power	Propulsion		
NEW ONLEANS, EX	S	Steel					
UNITED STATES							
OTTITES OF THE							
Place Built	Delive	ery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
JEFFERSONVILLE, IN	19F	eb2008	04Dec2007	R-1619	R-1619		R-297.5
UNITED STATES				F	l-		1-0
ONTED STATES							
Owner AMERICAN INLAND MARIN	UE VIII O		Operator	RIDA MARII	NE LLO		
3838 N CAUSEWAY BLVD				Fifth Street			
METAIRIE, LA 70002	00112 0000			eville, LA 7			
UNITED STATES				ED STATE			
This vessel must be manned						nich there mu	st be
0 Certified Lifeboatmen, 0 C	ertified Tankermer	ո, 0 HSC	Type Rating, a	ind 0 GMDS	SS Operators.		
0 Masters	0 Licensed Mates	0 Chief	Engineers	0 O	ilers		
0 Chief Mates	0 First Class Pilots	0 First A	Assistant Engineer	s			
0 Second Mates	0 Radio Officers	0 Secor	nd Assistant Engin	eers			
0 Third Mates	0 Able Seamen	0 Third	Assistant Enginee	rs			
0 Master First Class Pilot	0 Ordinary Seamen	0 Licens	sed Engineers				
0 Mate First Class Pilots	0 Deckhands	0 Qualif	fied Member Engin	еег			
In addition, this vessel may c Persons allowed: 0	carry 0 Passengers	, 0 Other	Persons in cre	w, 0 Perso	ns in addition to	crew, and no	Others. Total
Route Permitted And Con	ditions Of Operat	ion:					
Lakes, Bays, and S	Sounds						
Also, in fair weather onl	ly, not more than	twelve	(12) miles f	rom shore	between St. Ma	arks and Car	rrabelle,

Florida.

This vessel has been granted a fresh water service examination interval in accordance with 46 CFR Table 31.10-21(b); if this vessel is operated in salt water more than six (6) months in any twelve (12) month period, the vessel must be inspected using salt water intervals and the cognizant OCMI notified in writing as soon as this change in status occurs.

This tank barge is participating in the Eighth-Ninth Coast Guard District's Tank Barge Streamlined Inspection

SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION

With this Inspection for Certification having been completed at New Orleans, LA, UNITED STATES, the Officer in Charge, Marine Inspection, Sector New Orleans certified the vessel, in all respects, is in conformity with the applicable vessel inspection laws and the rules and regulations prescribed thereunder.

	Annual/Peri	odic/Re-Inspe	ction	This certificate issued by:
Date	Zone	A/P/R	Signature	J. H. HART COMMANDER by direction
				Officer in Charge, Marine Inspection Sector New Orleans
				Inspection Zone



United States of America Department of Homeland Security **United States Coast Guard**

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Certificate of Inspection

Program (TBSIP). Inspection activities aboard this barge shall be conducted in accordance with its Tank Barge Action Plan. Inspection issues concerning this barge should be directed to Sector New Orleans OCMI.

---Hull Exams---

Exam Type

Next Exam

Last Exam

Prior Exam

DryDock

29Feb2028

19Mar2018

19Feb2008

Internal Structure

31Mar2028

08May2023

26Mar2018

--- Liquid/Gas/Solid Cargo Authority/Conditions ---

Authorization:

GRADE "A" AND LOWER AND SPECIFIED HAZARDOUS CARGOES.

Total Capacity

Units

Highest Grade Type Part151 Regulated Part153 Regulated

Yes

Part154 Regulated

30713

Barrels

No

No

Hazardous Bulk Solids Authority

Loading Constraints - Structural

Tank Number

Max Cargo Weight per Tank (short tons)

Maximum Density (lbs/gal)

1 P/S

848

13.6

2 P/S

868

13.6

3 P/S

786

13.6

Port Slop

Stbd Slop

Loading Constraints - Stability

Maximum Load (short tons)

Maximum Draft

Max Density

Route Description

II

3766

(ft/in) 9ft 6in (lbs/gal) 13.6

R, LBS

Ш

4767

11ft 6in

13.6

R, LBS

Conditions Of Carriage

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), Serial C1-0800537, dated February 19, 2008, and Grade "A" and lower cargoes may be carried, and then only in the tanks indicated.

Per 46 CFR 150.130, the Person in Charge of the vessel is responsible for ensuring that the compatibility requirements of 46 CFR 150 are met. Cargoes must be checked for compatibility using figures, tables and appendices of 46 CFR 150 in conjunction with the compatibility group numbers from the "COMPAT GRP" column listed in the vessel's CAA.

When the vessel is carrying cargoes containing greater than 0.5% benzene, the Person In Charge is responsible for ensuring the provisions of 46 CFR 197, Subpart C are applied.

STABILITY AND TRIM

Cargo tanks must be loaded uniformly whenever a 46 CFR Subchapter "O" cargo is carried; for trim purposes, the weight of cargo in each tank may exceed the uniformly loaded tank cargo weight by at most 5 percent.

The maximum design density of cargo which may be filled to the tank top is 8.74 lbs/gal. Cargoes with higher densities, up to 13.6 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed above.



United States of America Department of Homeland Security United States Coast Guard

Certification Date: 12 May 2023 Expiration Date: 12 May 2028

Certificate of Inspection

Vessel Name: FMT 3214

VAPOR AUTHORIZATION

In accordance with 46 CFR 39, excluding 46 CFR 39.40, this vessel's vapor control system has been inspected to the plans approved by Marine Safety Center letter Serial C2-0703438 dated November 7, 2007 and the list of authorized cargoes on the CAA, Serial C1-0800537, dated Feburary 19, 2008, and found acceptable for collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column.

In accordance with 46 CFR Part 39.1017 and 39.5001(e) this vessel's VCS has been evaluated and approved for multi-breasted tandem loading with other vessels specifically approved to tandem load with this vessel.

--- Inspection Status ---

Cargo Tanks

	Internal Exam	1		External Exar	n	
Tank ld	Previous	Last	Next	Previous	Last	Next
1 P/S	19Feb2008	26Mar2018	28Feb2028	: : :	*	-
2 P/S	19Feb2008	26Mar2018	28Feb2028	3	3	0.75
3 P/S	19Feb2008	26Mar2018	28Feb2028) = }		::=:
			Hydro Test			
Tank Id	Safety Valves	6	Previous	Last	Next	
1 P/S	=		84		<u>u</u>	
2 P/S	-		5 5 .	.e.c	-	
3 P/S	-		14:	₹ = 1	2	

--- Conditional Portable Fire Extinguisher Requirements---

Required Only During Transfer of Cargo or Operation of Barge Machinery

--- Fire Fighting Equipment ---

Fire Extinguishers - Hand portable and semi-portable

Quantity

Class Type

2

40-B

END



Dated

Serial #: C1-0800537 Dated: 19-Feb-08

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 3214 Official #: 1206883 Shipyard: JEFFBOAT

Hull #: 06-2113

7.	CFR 151 Tank		Chara dentificati		tics			Tanks		Carg	10	Enviror	nmental		Special Require	amente	-	
Tnk	nk Group Information Tanks in Group	Densily		Temp.	Hull Typ	Cargo Seg Tank	Seg		Gauge	Pipe Class Cont		Control Handling Tanks Space		Fire Protection Provided	Special Requirements Materials of Construction		Elec Haz	Temp
A	#1P/S, #2P/S, #3P/S		Almos	Amb	II	1ii 2ii	Integral Gravity	PV	Closed	II	G-1	NR	NA	Portable	.50-60, .50-70(a), .50-70(b), .50-73, .50-81(a), .50- 81(b),	55-1(b), (c), (e), (f), (h), (j), 56-1(a), (b), (c), (d), (e), (f), (g),	NR	No

- Notes: 1, Under Environmental Control, Tanks, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo tanks,
 - 2. Under Environmental Control, Handling Space, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo handling space. NA means that the vessel does not have a cargo control space, and this requirement is not applied,
 - 3. Under Electrical Hazard Class, NA means that the tank group is suitable only for those cargoes which have no electrical hazard class requirement. NR means that the vessel has no electrical equipment located in a hazardous location,

List of Authorized Cargoes

Cargo Identification	n					Conditions of Carriage						
	1						Vapor Re	ecovery				
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'is of	Insp. Period		
Authorized Subchapter O Cargoes												
Acetonitrile	ATN	37	0	С	111	Α	Yes	3	No	G		
Acrylonitrile	ACN	15 ²	0	С	11	Α	Yes	4	.50-70(a), .55-1(e)	G		
Adiponitrile	ADN	37	0	Ε	Ħ	Α	Yes	1	No	G		
Alkyl(C7-C9) nitrates	AKN	34 ²	0	NA	Ш	Α	No	N/A	.50-81, .50-86	G		
Aminoethylethanolamine	AEE	8	0	Ε	111	Α	Yes	1	.55-1(b)	G		
Ammonium bisulfite solution (70% or less)	ABX	43 2	0	NA	111	Α	No	N/A	.50-73, .56-1(a), (b), (c)	G		
Ammonium hydroxide (28% or less NH3)	AMH	6	0	NA	Ш	Α	No	N/A	,56-1(a), (b), (c), (f), (g)	G		
Anthracene oil (Coal tar fraction)	AHO	33	0	NA	II.	Α	No	N/A	No	G		
Benzene	BNZ	32	0	С	111	Α	Yes	1	50-60	G		
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	внв	32 ²	0	С	HI	Α	Yes	1	50-60	G		
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	ВНА	32 ²	0	С	III	Α	Yes	1	,50-60, ,56-1(b), (d), (f), (g)	G		
Benzene, Toluene, Xylene mixtures (10% Benzene or more)	BTX	32	0	B/C	111	Α	Yes	1	.50-60	G		
Butyl acrylate (all isomers)	BAR	14	0	D	III	Α	Yes	2	.50-70(a), .50-81(a), (b)	G		
Butyl methacrylate	вмн	14	0	D	_ 111	Α	Yes	2	,50-70(a), ,50-81(a), (b)	G		
Butyraldehyde (all isomers)	BAE	19	0	С	III	Α	Yes	1	.55-1(h)	G		
Camphor oil (light)	СРО	18	0	D	II	Α	No	N/A	No	G		
Carbon tetrachloride	СВТ	36	0	NA	III	Α	No	N/A	No	G		
Caustic potash solution	CPS	5 ²	0	NA	III	Α	No	N/A	.50-73, .55-1(j)	G		
Caustic soda solution	CSS	5 ²	0	NΑ	III	Α	No	N/A	50-73, 55-1(j)	G		
Chemical Oil (refined, containing phenolics)	COD	21	0	E	- 11	Α	No	N/A	.50-73	G		
Chlorobenzene	CRB	36	0	D	All	Α	Yes	1	No	G		
Chloroform	CRF	36	0	NA	111	Α	Yes	3	No	G		
Coal tar naphtha solvent	NCT	33	0	D	H	Α	Yes	1	.50-73	G		
Creosote	CCM	/ 212	0	Ε	111	Α	Yes	1	No	G		
Cresols (all isomers)	CRS	21	0	E	Ш	Α	Yes	1	No	G		
Cresylate spent caustic	CSC	5	0	NA	111	Α	No	N/A	.50-73, .55-1(b)	G		
Cresylic acid tar	CRX		0	E	111	Α	Yes	1	.55-1(f)	G		
Crotonaldehyde	CTA	19 ²	0	С	TI.	Α	Yes	4	,55-1(h)	G		
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	СНС		0	С	111	Α	No	N/A	No	G		
Cyclohexanone	CCH	18	0	D	Ш	Α	Yes	1	,56-1(a), (b)	G		
Cyclohexanone, Cyclohexanol mixture	CYX	182	0	E		Α	Yes	1	.56-1 (b)	G		
Cyclohexylamine	CHA	7	0	D	111	A	Yes	1	56-1(a), (b), (c), (g)	G		
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	0	D	III	Α	Yes	1	.50-60, .56-1(b)	G		
iso-Decyl acrylate	IAI	14	0	E	Ш	Α	Yes	2	50-70(a), 50-81(a), (b), 55-1(c)	G		



19-Feb-08

Certificate of Inspection Cargo Authority Attachment

Vessel Name: FMT 3214 Official #: 1206883

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Shipyard: JEFFBOAT

Cargo Identification						Conditions of Carriage							
	Į.						•	Recovery					
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Perio			
Dichlorobenzene (all isomers)	DBX	36	0	Е	HL	Α	Yes	3	,56-1(a), (b)	G			
1,1-Dichloroethane	DCH	36	0	С	Ш	Α	Yes	1	No	G			
2,2'-Dichloroethyl ether	DEE	41	0	D	Ш	Α	Yes	1	.55-1(I)	G			
Dichloromethane	DCM	36	0	NA	III	Α	No	N/A	No	G			
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	0	Е	Ш	Α	No	N/A	.56-1(a), (b), (c), (g)	G			
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 1,2	0	Α		Α	No	N/A	.56-1(a), (b), (c), (g)	G			
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 ²	0	Ε	III	Α	No	N/A	.56-1(a), (b), (c), (g)	G			
1,1-Dichloropropane	DPB	36	0	С	Ш	Α	Yes	3	No	G			
1,2-Dichloropropane	DPP	36	0	С	111	Α	Yes	3	No	G			
1,3-Dichloropropane	DPC	36	0	С	111	Α	Yes	3	No	G			
1,3-Dichloropropene	DPU	15	0	D	- 11	Α	Yes	4	No	G			
Dichloropropene, Dichloropropane mixtures	DMX	15	0	С	II	Α	Yes	1	No	G			
Diethanolamine	DEA	8	0	E	Ш	Α	Yes	1	"55-1(c)	G			
Diethylamine	DEN	7	0	С	111	Α	Yes	3	.55-1(c)	G			
Diethylenetriamine	DET	72	0	Ε	ш	Α	Yes	1	.55-1(c)	G			
Diisobutylamine	DBU	7	0	D	HE	Α	Yes	3	.55-1(c)	G			
Diisopropanolamine	DIP	8	0	E	111	A	Yes	1	.55-1(c)	G			
Diisopropylamine	DIA	7	0	С	11	Α	Yes	3	.55-1(c)	G			
N,N-Dimethylacetamide	DAC	10	0	E	111	Α	Yes	3	.56-1(b)	G			
Dimethylethanolamine	DMB	8	0	D	Ш	A	Yes	1	.56-1(b), (c)	G			
Dimethylformamide	DMF	10	0	D	111	A	Yes	1	.55-1(e)	G			
Di-n-propylamine	DNA	7	0	С	11	Α	Yes	3	.55-1(c)	G			
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT	7	0	Е	[]]	Α	No	N/A	.56-1(b)	G			
Dodecyl diphenyl ether disulfonate solution	DOS	43	0	#	II	A	No	N/A	No	G			
EE Glycol Ether Mixture	EEG	40	0	D	111	Α	No	N/A	No	G			
Ethanolamine	MEA	8	0	Е	Ш	Α	Yes		.55-1(c)	G			
Ethyl acrylate	EAC	14	0	С	III	Α	Yes		50-70(a), 50-81(a), (b)	G			
Ethylamine solution (72% or less)	EAN	7	0	A	II	Α	No	N/A	.55-1(b)	G			
N-Ethylbutylamine	EBA	7	0	D	111	Α	Yes		,55-1(b)	G			
N-Ethylcyclohexylamine	ECC	7	0	D	III	Α	Yes	1	,55-1(b)	G			
Ethylene cyanohydrin	ETC	20	0	E	III	A	Yes		No	G			
Ethylenediamine	EDA	72	0		101	A	Yes	1	.55-1(c)	G			
Ethylene dibromide	EDB	36 ²	0	NF	11	A	No	N/A	No	G			
Ethylene dichloride	EDC	36 ²	0	С	III	Α	Yes	1	No	G			
Ethylene glycol hexyl ether	EGH	40	0	E	10	A	No	 N/A	No	G			
Ethylene glycol monoalkyl ethers	EGC	40	0	D/E	111	A	Yes		No	G			
Ethylene glycol morioalityr ethers Ethylene glycol propyl ether	EGP	40	Ó	E	III	A	Yes		No	G			
2-Ethylhexyl acrylate	EAI	14	0	E -	III	A	Yes		.50-70(a), .50-81(a), (b)	G			
Ethyl methacrylate	ETM	14	0	D/E		A	Yes	2	50-70(a)	G			
	EPA	19 ²	0	E		A	Yes		No	G			
2-Ethyl-3-propylacrolein	FMS	19 ²	0	D/E					_55-1(h)	G			
Formaldehyde solution (37% to 50%)	FFA	19 -	0	D	111	A	Yes Yes		55-1(h)	- G			
Furfural Control of the Control of t			0			25.2577.33			Company of the Compan	G			
Glutaraldehyde solution (50% or less)	GTA	19 7	(AA)(() 100 ()	NA	111	- A	No	N/A	.55-1(c)	G			
Hexamethylenediamine solution	HMC	7	0	E C	111	A	Yes		.56-1(b), (c)	G			
Hexamethyleneimine	HMI	1	0		11	A	Yes			G			
Hydrocarbon 5-9	HFN		0	C	10	Α	Yes	market makes to	.50-70(a), .50-81(a), (b)				
Isoprene	IPR	30	. 0	. <u>A</u>	10-0 100	Α.	No	N/A	A CONTRACTOR OF THE RESIDENCE OF THE RES	G			
Isoprene, Pentadiene mixture	IPN	-	0	В	III	A	No	N/A		G			
Kraft pulping liquors (free alkali content 3% or more)(including: Black, Green, or White liquor)	KPL	5 18 ²	0	NA	[]]	Α	No	N/A	.50-73, .56-1(a), (c), (g)				

^{***} This document is only valid when attached to, and referenced by a current, valid Certificate of Inspection. ***



Serial #: C1-0800537 Dated: 19-Feb-08

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 3214 Official #: 1206883

Alcohol(C12-C16) poly(1-6)ethoxylatés

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Shipyard: JEFFBOAT

Cargo Identification	1					Conditions of Carriage						
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd	Recovery VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Perio		
Methyl acrylate	MAM	14	0	С	111	Α	Yes	2	.50-70(a), .50-81(a), (b)	G		
Methylcyclopentadiene dimer	MCK	30	0	C	III	Α	Yes	1	No	G		
Methyl diethanolamine	MDE	8	0	Е	III	Α	Yes	1	56-1(b), (c)	G		
2-Methyl-5-ethylpyridine	MEP	9	0	Е	III	Α	Yes	1	.55-1(e)	G		
Methyl methacrylate	MMM	14	0	С	111	Α	Yes	2	50-70(a), 50-81(a), (b)	G		
2-Methylpyridine	MPR	9	0	D	111	Α	Yes	3	.55-1(c)	G		
alpha-Methylstyrene	MSR	30	0	D	111	Α	Yes	2	.50-70(a), .50-81(a), (b)	G		
Morpholine	MPL	7 ²	0	D	Ш	Α	Yes	1	,55-1(c)	G		
1- or 2-Nitropropane	NPM	42	0	D	III	Α	Yes	1	.50-81	G		
Pentachloroethane	PCE	36	0	NA	Ш	Α	No	N/A	No	G		
1,3-Pentadiene	PDE	30	0	Α	III	Α	No	N/A	50-70(a), 50-81	G		
Perchloroethylene	PER	36	0	NA	III	Α	No	N/A	No	G		
Polyethylene polyamines	PEB	72	0	E	Ш	Α	Yes	1	.55-1(e)	G		
iso-Propanolamine	MPA	8	0	Е	111	Α	Yes	1	,55-1(c)	G		
Propanolamine (iso-, n-)	PAX	8	0	Ε	111	Α	Yes	1	.56-1(b), (c)	G		
iso-Propylamine	IPP	7	0	Α	- II	Α	No	N/A	,55-1(c)	G		
Pyridine	PRD	9	0	С	111	Α	Yes	1	55-1(e)	G		
Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide)	SAP		0		111	Α	No	N/A	"50-73, "55-1(j)	G		
Sodium aluminate solution (45% or less)	SAU	5	0	NA	Ш	Α	No	N/A	50-73, 56-1(a), (b), (c)	G		
Sodium chlorate solution (50% or less)	SDD	0 1,2	0	NA	Ш	Α	No	N/A	.50-73	G		
Sodium hypochlorite solution (20% or less)	SHQ	5	0	NA	III	Α	No	N/A	.50-73, .56-1(a), (b)	G		
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 1,2	0	NA	111	Α	Yes	1	.50-73, .55-1(b)	G		
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	SSI	0 1,2	0	NA	111	Α	No	N/A	.50-73, .55-1(b)	G		
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0 1,2	0	NA	11	Α	No	N/A	50-73, .55-1(b)	G		
Styrene (crude)	STX		0	D	10	Α	Yes	2	No	G		
Styrene monomer	STY	30	0	D	Ш	Α	Yes	2	.50-70(a), .50-81(a), (b)	G		
1,1,2,2-Tetrachloroethane	TEC	36	0	NA	Ш	Α	No	N/A	No	G		
Tetraethylenepentamine	TTP	7	0	E	JII	Α	Yes	1	,55-1(c)	G		
Tetrahydrofuran	THF	41	0	С	111	Α	Yes	1	,50-70(b)	G		
Toluenediamine	TDA	9	0	Ε	П	Α	No	N/A	.50-73, .56-1(a), (b), (c), (g)	G		
1,2,4-Trichlorobenzene	TCB	36	0	E	111	Α	Yes	1	No	G		
1,1,2-Trichloroethane	TCM	36	0	NA	111	Α	Yes	1	,50-73, .56-1(a)	G		
Trichloroethylene	TCL	36 ²	0	NA	111	Α	Yes	1	No	G		
1,2,3-Trichloropropane	TCN	36	0	E	II.	A	Yes	3	.50-73, 56-1(a)	G		
Triethanolamine	TEA	8 ²	0	Ε	Ш	Α	Yes	1	"55-1(b)	G		
Triethylamine	TEN	7	0	С	II	Α	Yes	3	.55-1(e)	G		
Triethylenetetramine	TET	72	0	E	III	Α	Yes	1	,55-1(b)	G		
Triphenylborane (10% or less), caustic soda solution	TPB	5	0	NA	III	Α	No	N/A		G		
Trisodium phosphate solution	TSP	5	0	NA	Ш	Α	No	N/A	.50-73, .56-1(a), (c).	G		
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	6	0	NA	III	Α	No	N/A	.56-1(b)	G		
Vanillin black liquor (free alkali content, 3% or more).	VBL	5	0	NA	Ш	Α	No	N/A	50-73, 56-1(a), (c), (g)	G		
Vinyl acetate	VAM	13	0	С	III	Α	Yes	2	.50-70(a), 50-81(a), (b)	G		
Vinyl neodecanate	VND	13	0	Е	Ш	Α	No	N/A	.50-70(a), .50-81(a), (b)	G		
VinyItoluene	VNT	13	0	D		Α	Yes	2	.50-70(a), .50-81, .56-1(a), (b), (c), (G		
ubchapter D Cargoes Authorized for Vapor Contr		45.3		^								
Acetone	ACT	18 ²	D	E		A	Yes	11				



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Vessel Name: FMT 3214 Official #: 1206883

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Shipyard: JEFFBOAT

Cargo Identificatio	n						Conditions of Carriage						
			0.27800					Recovery					
Name	Chem	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	(Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period			
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	AEB	20	D	Е		Α	Yes	1					
Amyl acetate (all isomers)	AEC	34	D	D		Α	Yes	1					
Amyl alcohol (iso-, n-, sec-, primary)	IAA	20	D	D		Α	Yes	1					
Benzyl alcohol	BAL	21	D	Е		Α	Yes	1					
Brake fluid base mixtures (containing Poly(2-8)alkylene(C2-C3) glycols, Polyalkylene(C2-C10) glycol monoalkyl(C1-C4) ethers, and their borate esters)	BFX	20	D	Е		Α	Yes	1					
Butyl acetate (all isomers)	BAX	34	D	D		Α	Yes	1	7.0				
Butyl alcohol (iso-)	IAL	20 ²	D	D	-00000	Α	Yes	1					
Butyl alcohol (n-)	BAN		D	D		Α	Yes	1					
Butyl alcohol (sec-)	BAS		D	C		Α	Yes	1					
Butyl alcohol (tert-)	BAT		D	С		Α	Yes	1					
Butyl benzyl phthalate	врн	34	D	Е		Α	Yes	1					
Butyl toluene	BUE	32	D	D		Α	Yes	1					
Caprolactam solutions	CLS	22	D	E	21117	Α	Yes	1					
Cyclohexane	CHX	31	D	С		Α	Yes	1					
Cyclohexanol	CHN	20	D	Ε		A	Yes	1					
1,3-Cyclopentadiene dimer (molten)	CPD	30	D	D/E		Α	Yes	2					
p-Cymene	CMP	32	D	D		Α	Yes	1					
iso-Decaldehyde	IDA	19	D	E		Α	Yes	1					
n-Decaldehyde	DAL	19	D	Е		Α	Yes	1					
Decene	DCE	30	D	D		A	Yes	1					
Decyl alcohol (all isomers)	DAX	20 ²	D	E		A	Yes	1					
n-Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	D	E		A	Yes	1					
Diacetone alcohol	DAA	20 ²	D	D		A	Yes	1					
ortho-Dibutyl phthalate	DPA	34	D	E		Α	Yes	1					
Diethylbenzene	DEB	32	D	D		Α	Yes	1					
Diethylene glycol	DEG	40 ²	D	E		_;	Yes	1					
Diisobutylene	DBL	30	D	c		A	Yes	1					
Diisobutyl ketone	DIK	18	D	D		A	Yes	1					
Diisopropylbenzene (all isomers)	DIX	32	D	Ē			Yes	1					
Dimethyl phthalate	DTL	34	D	Ē		A	Yes	1		*****			
Dioctyl phthalate	DOP	34	D	E		A	Yes	1					
Dipentene	DPN	30	D	D		A	Yes	1					
	DIL	32	D	D/E		A		1					
Diphenyl Diphenyl other mixtures	DDO	33	D	E			Yes						
Diphenyl others	DPE	41				A	Yes						
Diphenyl ether	DPG	40	D D	{E}		A	Yes						
Dipropylene glycol	DFG	33	D	E	-	A	Yes	1					
Distillates: Flashed feed stocks							Yes						
Distillates: Straight run	DSR	33	D	E		A	Yes	1					
Dodecene (all isomers)	DOZ	30	D	D		A	Yes	1					
Dodecylbenzene, see Alkyl(C9+)benzenes	DDB	32	D	E		Α	Yes	11					
2-Ethoxyethyl acetate	EEA	34	D	D		Α	Yes	1					
Ethoxy triglycol (crude)	ETG	40	_ D	E		A	Yes	1					
Ethyl acetate	ETA	34	D	С		Α	Yes	1					
Ethyl acetoacetate	EAA	34	D	Ę	(A) (A)	Α	Yes	1	The second secon				
Ethyl alcohol	EAL	20 ²	D	С		A	Yes	1					
Ethylbenzene	ETB	32	D	С		Α	Yes	1					
Ethyl butanol	ÉBT	20	D	D	2 1	Α	Yes	. 1		i i manana			
Ethyl tert-butyl ether	EBE	41	D	С		Α	Yes		COLUMN TO THE WAY OF THE PARTY				
Ethyl butyrate	EBR	34	D	D		Α	Yes	1	- Wild (1987) - 10 (1971)				



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Vessel Name: FMT 3214 Official #: 1206883

Shipyard: JEFFBOAT

Cargo Identification	n							Condi	tions of Carriage	
	1			Ī				Recovery		
Name	Chem	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Perio
Ethyl cyclohexane	ECY	31	D	D		Α	Yes	1		
Ethylene glycol	EGL	20 ²	D	E		Α	Yes	1		
Ethylene glycol butyl ether acetate	EMA	34	D	E		Α	Yes	1		
Ethylene głycol diacetate	EGY	34	D	E		Α	Yes	1		
Ethylene glycol phenyl ether	EPE	40	D	Ε		Α	Yes	1		
Ethyl-3-ethoxypropionate	EEP	34	D	D		Α	Yes	1		
2-Ethylhexanol	EHX	20	D	E		Α	Yes	1		
Ethyl propionate	EPR	34	D	С		Α	Yes	1		
Ethyl toluene	ETE	32	D	D		Α	Yes	1		
Formamide	FAM	10	D	E		Α	Yes	1		
Furfuryl alcohol	FAL	20 ²	D	E		Α	Yes	1		
Gasoline blending stocks: Alkylates	GAK	33	D	A/C		Α	Yes	1		
Gasoline blending stocks: Reformates	GRF	33	D	A/C		Α	Yes	1		
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT	33	D	С		Α	Yes	1		
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	GAV	33	D	С		Α	Yes	1		
Gasolines: Casinghead (natural)	GCS	33	D	A/C		Α	Yes	. 1		
Gasolines: Polymer	GPL	33	D	A/C		Α	Yes	1		
Gasolines: Straight run	GSR	33	D	A/C		Α	Yes	1		
Glycerine	GCR	20 ²	D	E		Α	Yes	1		
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HMX	31	D	С		Α	Yes	1		
Heptanoic acid	HEP	4	D	E		Α	Yes	1		
Heptanol (all isomers)	HTX	20	D	D/E		Α	Yes	1	2,000 10 31 10 00 100 100 100 100 100 100	
Heptene (all isomers)	HPX	30	D	С		Α	Yes	2		
Heptyl acetate	HPE	34	D	Ε		Α	Yes	1		
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 ²	Ð	B/C		Α	Yes	1		
Hexanoic acid	HXO	4	D	Е		Α	Yes	1		
Hexanol	HXN	20	D	D		Α	Yes	1		
Hexene (all isomers)	HEX	30	D	С		Α	Yes	2		
Hexylene glycol	HXG	20	D	E		Α	Yes	1		
sophorone	IPH	18 ²	D	Ε		Α	Yes	1		
Jet fuel: JP-4	JPF	33	D	Ε		Α	Yes	1		
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	D	D		Α	Yes	1		
Kerosene	KRS	33	D	D		Α	Yes	1		
Methyl acetate	MTT	34	D	D		Α	Yes	1		
Methyl alcohol	MAL	20 ²	D	С		Α	Yes	1		
Methylamyl acetate	MAC	34	D	D		Α	Yes	1		
Methylamyl alcohol	MAA	20	D	D		Α	Yes	1		
Methyl amyl ketone	MAK	18	D	D		Α	Yes	1		
Methyl tert-butyl ether	MBE	41 ²	D	С	17-111111	Α	Yes	1		
Methyl butyl ketone	MBK	18	D	С	:-	Α	Yes	1		
Methyl butyrate	MBU	34	D	С		Α	Yes	1		
Methyl ethyl ketone	MEK	18 ²	D	С		Α	Yes	1		
Methyl heptyl ketone	MHK	18	D	D		Α	Yes	1	THE PERSON NAMED IN COLUMN TWO	
Methyl isobutyl ketone	MIK	18 ²	D	С		Α	Yes	1		
Methyl naphthalene (molten)	MNA	32	D	E	-e110-e110-100	Α	Yes	1		
Mineral spirits	MNS	33	D	D		Α	Yes	1		
Myrcene	MRE	30	D	D		Α	Yes	1		
Naphtha: Heavy	NAG	33	D	#	- 14	Α	Yes	1	The second second second second	
Naphtha: Petroleum	PTN	33	D	#	t-110 1	Α	Yes	1	*****************************	



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Vessel Name: FMT 3214 Official #: 1206883

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Shipyard: JEFFBOAT

Cargo Identifica	ation							Condi	tions of Carriage	ecial Requirements in 46 CFR Insp.	
								Recovery			
Name	Chem	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Perior	
Naphtha: Solvent	NSV	33	D	D		Α	Yes	1			
Naphtha: Stoddard solvent	NSS	33	D	D		_ A	Yes	1			
Naphtha: Varnish makers and painters (75%)	NVM	33	D	С		Α	Yes	1			
Nonane (all isomers), see Alkanes (C6-C9)	NAX	31	D	D		Α	Yes	1			
Nonene (all isomers)	NON	30	D	D		Α	Yes	2			
Nonyl alcohol (all isomers)	NNS	20 ²	D	E		Α	Yes	1			
Nonyl phenol	NNP	21	D	E		Α	Yes	1			
Nonyl phenol poly(4+)ethoxylates	NPE	40	D	E		Α	Yes	1			
Octane (all isomers), see Alkanes (C6-C9)	OAX	31	D	С		Α	Yes	1	711 - 1 - 1000 to	NI	
Octanoic acid (all isomers)	OAY	4	D	E		Α	Yes	1			
Octanol (all isomers)	OCX	20 ²	D	E 1		Α	Yes	1			
Octene (all isomers)	OTX	30	D	Ç		Α	Yes	2			
Oil, fuel: No. 2	OTW	33	D	D/E		Α	Yes	1			
Oil, fuel: No. 2-D	OTD	33	D	D		Α	Yes	1			
Oil, fuel: No. 4	OFR	33	D	D/E		Α	Yes	-1			
Oil, fuel: No. 5	OFV	33	D	D/E		Α	Yes	1	·		
Dil. fuel: No. 6	OSX	33	D	E		Α	Yes	1			
Oil, misc: Crude	OIL	33	D	C/D		Α	Yes	' 1			
Dil, misc: Diesel	ODS	33	D	D/E		Α	Yes	1			
Oil, misc: Lubricating	OLB	33	D	E		Α	Yes	1			
Dil, misc: Residual	ORL	33	D	E)	Α	Yes	1			
Oil, misc: Turbine	ОТВ	33	D	Е		Α	Yes	1			
alpha-Pinene	PIO	30	D	D		Α	Yes	1			
beta-Pinene	PIP	30	D	D		Α	Yes	1			
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	PAG	40	D	E		Α	Yes	1			
Poly(2-8)alkylene glycot monoalkyl(C1-C6) ether acetate	PAF	34	D	E		Α	Yes	1			
Polybutene	PLB	30	D	E		A	Yes	1		_	
Polypropylene glycol	PGC	40	D	E		A	Yes	1	·		
so-Propyl acetate	IAC	34	D	C		A	Yes	1			
	PAT	34	D	С		A	Yes	1			
n-Propyl acetate	IPA	20 ²	D	c		A	Yes	1			
so-Propyl alcohol	PAL	20 ²	D	c		A	Yes	1			
n-Propyl alcohol	PBY	32	D	D		<u>A</u>	Yes	-			
Propylbenzene (all isomers)	IPX	31	D	D		A	Yes	<u>-</u>			
so-Propylcyclohexane	PPG	20 2	D	E		A	Yes	1			
Propylene glycol	PGN		D	D			Yes	1		-	
Propylene glycol methyl ether acetate		34	D	D		A					
Propylene tetramer	PTT	30	_ D			A	Yes	1			
Sulfolane	SFL	39		Ē		_ A	Yes				
Tetraethylene glycol	ΠG	40	D			A	Yes				
Tetrahydronaphthalene	THN	32	D	E		A .	Yes	1			
Toluene	TOL	32	D	С		Α	Yes	1			
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	D	E		A	Yes	1			
riethylbenzene	TEB	32	D	E		Α	Yes	1			
Friethylene glycol	TEG	40	D	E		Α	Yes	1			
riethyl phosphate	TPS	34	D	E		Α	Yes	1			
Frimethylbenzene (all isomers)	TRE	32	D	{D}		Α	Yes	1			
Frixylenyl phosphate	TRP	34	D	E		Α	Yes	1			
Jndecene	UDC	30	D	D/E		Α	Yes	1	me verewallizativizati		
I-Undecyl alcohol	UND	20	D	Ε		Α	Yes	1			
(ylenes (ortho-, meta-, para-)	XLX	32	D	D		A	Yes	1			



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Vessel Name: FMT 3214 Official #: 1206883

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Shipyard: JEFFBOAT

Hull #: 06-2113

Explanation of terms & symbols used in the Table:

Cargo Identification

The proper shipping name as listed in 46 CFR Table 30,25-1, 46 CFR Table 151,05, and 46 CFR Part 153 Table 2.

Chem Code

The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual, Certain mixtures of cargoes may not have a CHRIS Code assigned.

Compatability Group No.

The cargo reactive group number assigned for compatibility determinations in 46 CFR Part 150 Tables I and II. In accordance with 46 CFR 150.130, the Person-in-Charge of the barge is responsible for ensuring that the compatibility requirements of 46 CFR 1910 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR 190 in conjunction with the assigned reactive group number.

Because of the very high reactivity or unusual conditions of carriage or potential compatibility problems, this product is not assigned to a specific group in the Compatibility

Note 1

Chart. For additional compatibility information, contact Commandant (CG-3PSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone

(202) 372-1425. Note 2

See Appendix I to 46 CFR Part 150 - exceptions to the compatability chart.

Subchapter Subchapter D Subchapter O Note 3

The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified,

Those flammable and combustible liquids listed in 46 CFR Table 30,25-1. Those hazardous cargoes listed in 46 CFR Table 151 05 and 46 CFR Part 153 Table 2

Those cargoes listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when carried in bulk on non-oceangoing barges

Grade

The cargo classification assigned to each flammable or combustible liquid. Grades inside of "{ }" indicate a provisional assignment based upon literature sources which were not verified by manufacturers data. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.

A, B, C Note 4 Flammable liquid cargoes, as defined in 46 CFR 30-10.22.

Combustible liquid cargoes, as defined in 46 CFR 30-10.15.

The flammability/combustibility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.

Those subchapter O cargoes which are not classified as a flammable or combustible liquid.

No flammability/combustibility grade has been assigned yet, as the necessary flash point/vapor pressure data for such assignments are presently not available.

Hull Type

NA

The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 46 CFR 151,10-1.

Designed to carry products which require the maximum preventive measures to preclude the uncontrolled release of the cargo. See 46 CFR 151.10-1(b)(1). Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3).

Designed to carry products of sufficeint hazard to require a moderate degree of control, See 46 CFR 151.10-1(b)(4)

Not applicable to barges certificated under Subchapter D.

Conditions of Carrlage

Tank Group Vapor Recovery Approved (Y or N) The vessel's tank group (as defined in Section 4) which is authorized for carriage of the named cargo.

Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo.

No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.

Conditions of Carriage

Tank Group Vapor Recove Approved (Y or N) The yessel's tank group (as defined under the "46 CFR Tank Group Characteristics" listed on page 1) which is authorized for carriage of the named cargo.

Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo

VCS Category

The specified cargo's provisional classification for vapor control systems,

Category 1

(No additional VCS requirements above those for benzene, gasolines and crude oil) All requirements applying to the handling of oil and hazardous materials in Titles 33 and 46 Code of Federal Regulations (CFR) apply to these cargoes. Those specifically dealing with vapor control systems are in 33 CFR 155,750, 33 CFR 156,120, 33 CFR 156,170, 46 CFR 35,35 and 46 CFR 39, The cargo tank venting system calculations (46 CFR 39,20-11) and the pressure drop calculations (46 CFR 39,30-1(b)) must use appropriate friction factors, vapor densities and vapor growth rates.

Category 2

(Polymenizes) Polymenization and residue build-up of these cargoes can adversely affect the vessel by fouling safety componenets and restricting vapor flow which could lead to cargo tank overpressurization. The vessel's owner must develop a method of ensuring all VCS safety components are functional and polymer build-up is not causing an unsafe condition due to increased pressure in the vapor control piping and cargo tanks. The method shall be acceptable to the local Officer in Charge, Marine Inspection. This is in addition to the requirements of Category 1. Please note that a material not normally considered a monomer can be a problem in detonation arrester,

Category 3

(Highly toxic) VCSs for these toxic cargoes cannot use a spill valve or rupture disk as the primary means to meet the overfill protection requirement of 46 CFR 39.20-9. This requirement is in addition to the requirements of Category 1,

Category 4

(Polymerizes and highly toxic) Must comply with requirements of Categories 1, 2 and 3,

Category 5

(High vapor pressure) VCS pressure drop calculations for cargoes with a vapor pressure greater than 14.7 psia at 115 F must take into account increased vapor-air mixture densities and vapor growth rates as compared to Category 1cargoes. Consult the Marine Safety Center's VCS Guidelines for further information. This requirement is in addition to the requirements of Category 1.

Category 6 Category 7

(High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5, (High vapor pressure and polymerizes) Must comply with requirements of Categories 1, 2 and 5,

none

The cargo has not been evaluated/classified for use in vapor control systems