



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

**Certification Date: 11 Sep 2020**  
**Expiration Date: 11 Sep 2025**

# Certificate of Inspection

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 Number	IMO Number	Call Sign	Service
CBC 18	1051104			Tank Barge

Hailing Port	Hull Material	Horsepower	Propulsion
NEW ORLEANS, LA	Steel		
UNITED STATES			

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
JEFFERSONVILLE, IN	15Jul1997	05May1997	R-716	R-716		R-195.0
UNITED STATES			-	-		-0

Owner	Operator
CANAL BARGE COMPANY INC 1801 ENGINEER ROAD BELLE CHASSE, LA 70037 UNITED STATES	CANAL BARGE COMPANY INC 1801 ENGINEER ROAD BELLE CHASSE, LA 70037 UNITED STATES

This vessel must be manned with the following licensed and unlicensed Personnel. Included in which there must be 0 Certified Lifeboatmen, 0 Certified Tankermen, 0 HSC Type Rating, and 0 GMDSS Operators.

0 Masters	0 Licensed Mates	0 Chief Engineers	0 Oilers
0 Chief Mates	0 First Class Pilots	0 First Assistant Engineers	
0 Second Mates	0 Radio Officers	0 Second Assistant Engineers	
0 Third Mates	0 Able Seamen	0 Third Assistant Engineers	
0 Master First Class Pilot	0 Ordinary Seamen	0 Licensed Engineers	
0 Mate First Class Pilots	0 Deckhands	0 Qualified Member Engineer	

In addition, this vessel may carry 0 Passengers, 0 Other Persons in crew, 0 Persons in addition to crew, and no Others. Total Persons allowed: 0

**Route Permitted And Conditions Of Operation:**  
**---Lakes, Bays, and Sounds---**

This vessel has been granted a fresh water service examination interval in accordance with 46 CFR 31.10-21(a) (2). If this vessel is operated in salt water more than 6 months in any 12 month period, the vessel must be inspected using salt water intervals per 46 CFR 31.10-21(a) (1) and the cognizant OCMI notified in writing as soon as this change in status occurs.

This tank barge is participating in the Eighth and Ninth Coast Guard District's Tank Barge Streamlined 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 OCMI, Sector New Orleans.

**\*\*\*SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION\*\*\***

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

Annual/Periodic/Re-Inspection				This certificate issued by: <i>Peter J. Raneri</i> <b>P. J. RANERI LCDR, USCG, by direction</b> Officer in Charge, Marine Inspection New Orleans, LA Inspection Zone
Date	Zone	A/P/R	Signature	
10-13-21	Canal Barge	A	Kendall White	
7-5-22	HOV Canal	P	By M. Gray	
28 Sept 23	CANAL BARGE	A	(Signature)	



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Date	Zone	A/P/R	Signature	
10-13-21	Canal Barge	A	Kendall White	
7-5-22	HOV Camp	P	Ray Mabe	



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UNITED STATES						10

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				New Orleans, LA
				Inspection Zone



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Date	Zone	A/P/R	Signature	



# Certificate of Inspection

Vessel Name: CBC 18

### ---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	11Aug2025	11Aug2015	29Nov2006
Internal Structure	31Aug2025	11Aug2020	11Aug2015

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

Authorization: FLAMMABLE / COMBUSTIBLE LIQUIDS AND SPECIFIED HAZARDOUS CARGOES

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
10667	Barrels	A	Yes	No	No

### \*Hazardous Bulk Solids Authority\*

Not Authorized

### \*Loading Constraints - Structural\*

Tank Number	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1	595	13.600
2	607	13.600
3	607	13.600

### \*Loading Constraints - Stability\*

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
III	1723	10ft 4in	13.60	R,LBS,LC 12
II	1495	9ft 3in	13.60	R,LBS,LC 12
II	1495	9ft 3in	13.60	R
III	1723	10ft 4in	13.60	R

### \*Conditions Of Carriage\*

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), serial #VN97001743, dated 23APR01, may be carried.

Per 46 CFR 150.130, the Person In Charge of the barge is responsible for ensuring that the compatibility requirements of 46 CFR 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR 150 in conjunction with the reactive group numbers from the "COMPAT GRP NO" column listed in the vessel's CAA.

### \*Vapor Control Authorization\*

This vessel's vapor control system has been inspected to the plans approved by the Marine Safety Center letter serial #C2-9701715, dated 22MAY97, and found acceptable for the collection of cargo vapors from those specific subchapter "D" cargoes contained in that letter and those specified hazardous cargoes annotated with a "V" in the CAA.

The letter "V" in the note column of the CAA signifies approval for vapor control without any additional requirements.

### --- Inspection Status ---



# Certificate of Inspection

Vessel Name: CBC 18

**\*Cargo Tanks\***

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1	11Jan2012	11Aug2015	11Aug2025	-	-	-
2	11Jan2012	11Aug2015	11Aug2025	-	-	-
3	11Jan2012	11Aug2015	11Aug2025	-	-	-

Hydro Test

Tank Id	Safety Valves	Previous	Last	Next
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-

**---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\*\*\*



# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: **KIRBY 10355**

Shipyard: **JEFFBOAT**

Official #: **D1051104**

Page 1 of 3

Hull #: **96-2873**

### List of Authorized Cargoes

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat's of Construction
		Group No	Exc				
<b>Authorized Subchapter O Cargoes</b>							
Ammonium bisulfite solution (70% or less)	ABX	43	Y		III		50-73, .56-1(a), (b), (c)
Acrylonitrile	ACN	15	Y	C	II	V	50-70(a), 55-1(e)
Adiponitrile	ADN	37	N	E	II	V	No
Aminoethylethanolamine	AEE	8	N	E	III	V	55-1(b)
Anthracene oil (Coal tar fraction)	AHO	33	N		II		No
Alkyl(C7-C9) nitrates	AKN	34	Y		III		50-81, 50-86
Ammonium hydroxide (28% or less NH3)	AMH	6	N		III		56-1(a), (b), (c), (f), (g)
Acetonitrile	ATN	37	N	C	III	V	No
Butyraldehyde (all isomers)	BAE	19	N	C	III	V	55-1(h)
Butyl acrylate (all isomers)	BAR	14	N	D	III	V	50-70(a), 50-81(a), (b)
Benzene hydrocarbon mixtures (containing Acetylenes)(having 10% Benzene or more)	BHA				III	V	50-60, 56-1(b), (d), (f), (g)
Benzene hydrocarbon mixtures (having 10% Benzene or more)	BHB	32	N		III	V	50-60
Butyl methacrylate	BMH	14	N	D	III	V	50-70(a), 50-81(a), (b)
Benzene	BNZ	32	N	C	III	V	50-60
Benzene, Toluene, Xylene mixtures (having 10% Benzene or more)	BTX	32	N	B/C	III	V	50-60
Carbon tetrachloride	CBT	36	N		III		No
Cyclohexanone	CCH	18	N	D	III	V	56-1(a), (b)
Creosote (all isomers)	CCW	21	Y	E	III	V	No
Cyclohexylamine	CHA	7	N	D	III	V	56-1(a), (b), (c), (g)
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	CHG	0	N	C	III	V	No
Camphor oil	CPO	18	N	D	II		No
Caustic potash solution	CPS	5	Y		III		50-73, 55-1(j)
Chlorobenzene	CRB	36	N	D	III	V	No
Chloroform	CRF	36	N	E	III		No
Cresols	CRS	21	N	E	III	V	No
Cresylic acid tar	CRX	21	N		III	V	55-1(f)
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	N	D	III	V	50-60, 56-1(b)
Cresylate spent caustic	CSC	5	N		III		50-73, 55-1(b)
Caustic soda solution	CSS	5	Y		III		50-73, 55-1(j)
Crotonaldehyde	CTA	19	Y	C	II	V	55-1(h)
N,N-Dimethylacetamide	DAC	10	N	E	III	V	56-1(b)
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0	Y		III		56-1(a), (b), (c), (g)
Diisobutylamine	DBU	7	N	D	III	V	55-1(c)
Dichlorobenzenes (all isomers)	DBX	36	N	E	III	V	56-1(a), (b)
1,1-Dichloroethane	DCH	36	N	C	III	V	No
Dichloromethane	DCM	36	N	NF	III		No
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	N		III		56-1(a), (b), (c), (g)
Diethanolamine	DEA	8	N	E	III	V	55-1(c)
2,2'-Dichloroethyl ether	DEE	41	N	D	II	V	55-1(f)
Diethylamine	DEN	7	N	C	III	V	55-1(c)
Diethylenetriamine	DET	7	Y	E	III	V	55-1(c)
Diisopropylamine	DIA	7	N	C	II	V	55-1(c)
Diisopropanolamine	DIP	8	N	E	III	V	55-1(c)
Dimethylethanolamine	DMB	8	N	D	III	V	56-1(b), (e)
Dimethylformamide	DMF	10	N	D	III	V	55-1(e)
Dichloropropene, Dichloropropane mixtures	DMX	15	N		II	V	No
Di-n-propylamine	DNA	7	N	C	II	V	55-1(c)
Dodecyl dimethylamine, Tetradecyl dimethylamine mixture	DOT	7	N	E	III		56-1(b)

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Department of Transportation  
United States Coast Guard

Serial #: VN97001743  
COI Ref: 23-Apr-01

# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: **KIRBY 10355**

Shipyard: JEFFBOAT

Official #: D1051104

Page 2 of 3

Hull #: 96-2873

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
		Group No	Exc				
1,1-Dichloropropane	DPB	36	N	C	III	V	No
1,3-Dichloropropane	DPC	36	N	C	III	V	No
1,2-Dichloropropane	DPP	36	N	C	III	V	No
1,3-Dichloropropene	DPU	15	N	D	II	V	No
2,4-Dichlorophenoxyacetic acid, triisopropanolaminesalt solution	DTI	43	Y		III		56-1(a), (b), (c), (g)
Ethyl acrylate	EAC	14	N	C	III	V	50-70(a), 50-81(a), (b)
2-Ethylhexyl acrylate	EAI	14	N	E	III	V	50-70(a), 50-81(a), (b)
Ethylamine solution (72% or less)	EAN	7	N	A	II	V	55-1(b)
N-Ethylbutylamine	EBA	7	N	C	III	V	55-1(b)
N-Ethylcyclohexylamine	ECC	7	N	D	III	V	55-1(b)
Ethylenediamine	EDA	7	Y	D	III	V	55-1(c)
Ethylene dichloride	EDC	36	Y	C	III	V	No
Ethylene glycol monoalkyl ethers	EGC	40	N	D/E	III	V	No
Ethylene glycol hexyl ether	EGH	40	N	E	III		No
Ethylene glycol propyl ether	EGP	40	N	E	III	V	No
2-Ethyl-3-propylacrolein	EPA	19	Y	E	III	V	No
Ethylene cyanohydrin	ETC	20	N	E	III	V	No
Ethyl methacrylate	ETM	14	N	C	III	V	50-70(a)
Furfural	FFA	19	N	E	III	V	55-1(h)
Formaldehyde solution (37% to 50%)	FMS	19	Y	D/E	III	V	55-1(h)
Glutaraldehyde solution (50% or less)	GTA	19	N	NF	III		No
Hydrocarbon 5-9	HFN	30	N	A	III	V	50-70(a), 50-81(a), (b)
Hexamethylenediamine solution	HMC	7	N	E	III	V	55-1(c)
Hexamethyleneimine	HMI	7	N	C	II	V	56-1(b), (c)
Isodecyl acrylate	IAI	14	N	E	III		50-70(a), 50-81(a), (b), 55-1(c)
Isoprene, Pentadiene mixture	IPN	30	N	A	III		50-70(a), 55-1(c)
iso-Propylamine	IPP	7	N	A	II		55-1(c)
Isoprene	IPR	30	N	A	III		50-70(a), 50-81(a), (b)
Kraft pulping liquors (free alkali content 3% or more)	KPL	5	N		III		50-73, 56-1(a), (c), (g)
Methyl acrylate	MAM	14	N	C	III	V	50-70(a), 50-81(a), (b)
Methycyclopentadiene dimer	MCK	30	N	C	III	V	No
Methyl diethanolamine	MDE	8	N	E	III	V	56-1(b), (c)
Ethanolamine	MEA	8	N	E	III	V	55-1(c)
2-Methyl-5-ethylpyridine	MEP	9	N	E	III	V	55-1(e)
Methyl methacrylate	MMM	14	N	C	III	V	50-70(a), 50-81(a), (b)
iso-Propanolamine	MPA	8	N	E	III	V	55-1(c)
Morpholine	MPL	7	Y	D	III	V	55-1(c)
2-Methylpyridine	MPR	9	N	D	III	V	55-1(c)
Mesityl oxide	MSO	18	Y	D	III	V	No
alpha-Methylstyrene	MSR	30	N	D	III	V	50-70(a), 50-81(a), (b)
Coal tar naphtha solvent	NCT	33	N	D	III	V	50-73
1- or 2-Nitropropane	NPM	42	N	D	III	V	50-81
Propanolamine (iso-, n-)	PAX	8	N	E	III	V	56-1(b), (c)
1,3-Pentadiene	PDE	30	N	A	III	V	50-70(a), 50-81
Polyethylene polyamines	PEB	7	Y	E	III	V	55-1(e)
Perchloroethylene	PER	36	N	NF	III		No
Pyridine	PRD	9	N	C	III	V	55-1(e)
Sodium aluminate solution (45% or less)	SAU	5	N		III		50-73, 56-1(a), (b), (c)
Sodium chlorate solution (50% or less)	SDD	0	Y	NF	III		50-73
Sodium hypochlorite solution (20% or less)	SHQ	5	N	NF	III		50-73, 56-1(a), (b)

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## Cargo Authority Attachment

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Shipyard: JEFFBOAT

Official #: D1051104

Page 3 of 3

Hull #: 96-2873

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Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
		Group No	Exc				
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0	Y		III		50-73, 55-1(b)
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	SSI	0	Y		III		50-73, 55-1(b)
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0	Y		II		50-73, 55-1(b)
Styrene (crude)	STX	30	N	C	III	V	No
Styrene	STY	30	N	D	III	V	50-70(a), 50-81(a), (b)
1,2,4-Trichlorobenzene	TCB	36	N	E	III	V	No
Trichloroethylene	TCL	36	Y		III	V	No
1,1,2-Trichloroethane	TCM	36	N		III	V	50-73, 56-1(a)
1,2,3-Trichloropropane	TCN	36	N	E	II	V	50-73, 56-1(a)
Triethanolamine	TEA	8	Y	E	III	V	55-1(b)
1,1,2,2-Tetrachloroethane	TEC	36	N	NF	III		No
Triethylamine	TEN	7	N	C	II	V	55-1(e)
Triethylenetetramine	TET	7	Y	E	III	V	55-1(b)
Tetrahydrofuran	THF	41	N	C	III	V	50-70(b)
Triphenylborane (10% or less), caustic soda solution	TPB	5	N		III		56-1(a), (b), (c)
Tetraethylenepentamine	TTP	7	N	E	III	V	55-1(c)
Urea, Ammonium nitrate solution (containing more than 2% Ammonia)	UAS	6	N		III		56-1(b)
Vinyl acetate	VAM	13	N	C	III	V	50-70(a), 50-81(a), (b)
Vanillin black liquor (free alkali content 3% or more)	VBL	5	N		III		50-73, 56-1(a), (c), (g)
Vinyltoluene	VNT	13	N	D	III	V	50-70(a), 50-81, 56-1(a), (b), (c), (g)

### Explanation of terms & symbols used in the Table:

#### Cargo Identification

Name	The proper shipping name as listed in 46 CFR Table 151.05
Chem Code	The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual
Compatibility 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 Part 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR 150 in conjunction with the assigned reactive group number.
Exceptions (Exc)	Indication of whether or not there are exceptions to the compatibility chart for the given cargo. See Appendix I to 46 CFR Part 150
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	Flammable liquid cargoes, as defined in 46 CFR 30-10.22
D, E	Combustible liquid cargoes, as defined in 46 CFR 30-10.15.
NA, NF	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	The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 46 CFR 151.10-1.
I	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).
II	Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3).
III	Designed to carry products of sufficient hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4).

#### Conditions of Carriage

Note See Certificate of Inspection for explanation of symbols used in this column

## Melanie Townsend

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**From:** Orr, Luke Edward LT USCG MSC (USA) <Luke.E.Orr@uscg.mil>  
**Sent:** Wednesday, July 5, 2023 7:36 AM  
**To:** Rachel Denley  
**Cc:** Melanie Townsend; Nicole Kent; Jeff Brockman  
**Subject:** RE: 2314313--URL Verdict NeutralNon-DoD Source CBC 16 through CBC 19 - add Subchapter D cargo to Cargo Authority Attachment

Good Morning,

Subchapter D cargoes do not need to be listed on a CAA. The only restrictions to their carriage are the maximum flammability grade, cargo density, and vapor control authorized for the vessels. The grade and density are listed on the PRIS and copied to the COI, and the VCS cargo list identifies the products that require vapor control which the onboard system may be used for.

Best Regards,  
Luke Orr, LT  
Staff Engineer  
Marine Safety Center  
(202) 795-6776

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U.S. Department  
of Transportation

United States  
Coast Guard



Commanding Officer  
United States Coast Guard  
Marine Safety Center

400 7th Street S.W.  
Washington, DC 20590-0001  
Staff Symbol: MSC-3  
Phone: (202) 366-6441  
Fax: (202) 366-3877

16710/P002693  
16710/JEFF 96-2871 thru  
96-2874  
Serial: C2-9701715  
May 22, 1997

Mr. Eugene R. Seib  
Jeffboat  
P.O. Box 610  
1030 East Market Street  
Jeffersonville, IN 47130

Subj: JEFFBOAT HULLS 96-2871 thru 96-2874  
195' x 35' x 12'-6" Unmanned Typr II Tank Barge (O/D)  
Grade A (max. 25 psia Reid) & Lower Grade Flammable &  
Combustible Liquids & Specific Hazardous Cargoes  
Maximum Cargo Density (slack load) 13.6 lbs/gal  
Rivers; Lakes, Bays & Sounds; & Limited Coastwise on  
unmanned fairweather voyages only, not more than 12 miles  
offshore between St. Marks and Carrabelle, FL  
Vapor Control System Modification

Ref: (a) Your letter of April 29, 1997  
(b) Your letter of May 1, 1997  
(c) Our telephone conversation of May 22, 1997

Dear Mr. Seib:

In response to your request in reference (a) and (b) we have reviewed the subject barges' vapor control systems (VCS) for compliance with 46 CFR Part 39, excluding Subpart 39.40. Enclosures (1) and (2) are returned marked "Approved". Installation, workmanship and testing shall be to the satisfaction of the cognizant Officer in Charge, Marine Inspection (OCMI). The following comments apply:

1. Based on your calculations, these VCSs have been designed to recover vapors of the flammable and combustible cargoes listed in enclosure (3) at a maximum vapor-air mixture density of 0.237 lbs/ft<sup>3</sup> and a maximum liquid loading rate of 4,285 bbl/hr.
2. The cargoes referred to in reference (a) and (b) are found in enclosure (3) with the exception of BFA, butyraldehydes (crude), which will be addressed in a separate correspondence as per reference (c).
3. The barges' oil transfer procedures must be revised to include a table or graph showing the liquid transfer rate versus the pressure drop as required by 46 CFR 39.10(b)(3). This information must be taken from the calculations and tables approved in enclosure (2).

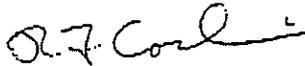
16710/P002693  
16710/JEFF 96-2871  
thru 96-2874  
Serial C2-9701715  
May 22, 1997

Subj: JEFFBOAT HULLS 96-2871 thru 96-2874  
Vapor Control System Calculations

4. A copy of this letter should be attached to the Certificate of Inspection (COI) to ensure it is available to Coast Guard inspectors and facility personnel. A vessel's owner is responsible for requesting that the OCMI endorse the COI to indicate those vapors with which the vapor control system may be used.

If we can be of further assistance, please contact Lieutenant Pat Keffler at the numbers listed above.

Sincerely,



R. F. CORBIN  
Commander, U.S. Coast Guard  
Chief, Cargo Division  
By direction of the Commanding Officer

Encl: (1) Jeffboat Dwg No. B-15442, rev. 2, Vapor Recovery System  
(2) Vapor Control System Calculations for Jeffboat Hulls 96-2871 through 96-2874  
(3) VCS List of Cargoes for Jeffboat Hulls 96-2871 through 96-2874

FCL

VESSEL FILE CARGO LIST

01JUL97

VFCL LAST REVISED: PORT/ LOUMS DATE/ 01JUL97  
 VFCE LAST REVISED: PORT/ DATE/

NAME/ GBC 397  
 GBC 297

VIN/ D1051104 CALL/ FLAG/ US

TOTAL NUMBER OF ENTITLED CHEMICALS/ 124

--- SPECIFIC HAZARDOUS CARGO AUTHORITY ---

HEM	NOTE	CHEMICAL NAME	CON TYP	IMO POL	-REACT- GRP	EXC
ATN	A	Acetonitrile	3	3	37	N
ACN	A	Acrylonitrile	2	B	15	Y
ADN	A	Adiponitrile	2	D	37	N
AKN		Alkyl(C7-C9) nitrates	3	A	34	Y
AEE	A	Aminoethylethanolamine	3	D	08	N
AEP		N-Aminoethylpiperazine	3	D	7	N
ABX		Ammonium bisulfite solution (70% or less)	3	D	43	Y
AMH		Ammonium hydroxide (28% or less NH3)	3	C	6	N
AHO		Anthracene oil (Coal tar fraction)	2	A	33	N
BNZ	A	Benzene	3	C	32	N
BHB	A	Benzene hydrocarbon mixtures (having 10% Benzene or more)	3	C	32	N
BHA	A	Benzene hydrocarbon mixtures (containing Acetylenes) (having 10% Benzene or more)	3	#		
BTX	A	Benzene, Toluene, Xylene mixtures (having 10% Benzene or more)	3	C	32	N
BAR	A	Butyl acrylate (all isomers)	3	B	14	N
BMH	A	Butyl methacrylate	3	D	14	N
BAE	A	Butyraldehyde (all isomers)	3	C	19	N
CPO		Camphor oil	2	B	18	N
CBT		Carbon tetrachloride	3	B	36	N
CPS		Caustic potash solution	3	D	5	Y
CSS		Caustic soda solution	3	D	5	Y
CRB	A	Chlorobenzene	3	B	36	N
CRF		Chloroform	3	B	36	N
NCT	A	Coal tar naphtha solvent	3	B	33	N
CCW	A	Creosote (all isomers)	3	A	21	Y
CRS	A	Cresols	3	A	21	N
CSC		Cresylate spent caustic	3	A	5	N
CRX	A	Cresylic acid tar	3	#	21	N
CTA	A	Crotonaldehyde	2	A	19	Y
CHG	A	Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	3	#	0	N
CCH	A	Cyclohexanone	3	D	18	N
CHA	A	Cyclohexylamine	3	C	7	N
CSB	A	Cyclopentadiene, Styrene, Benzene mixture			30	N
IAI		Isodecyl acrylate	3	A	14	N
DBX	A	Dichlorobenzenes (all isomers)	3	B	36	N
DCH	A	1,1-Dichloroethane	3	D	36	N
DEE	A	2,2'-Dichloroethyl ether	2	B	41	N
DCM		Dichloromethane	3	D	36	N
DDE		2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	3	A	43	N
DAD		2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	3	A	0	Y
DTI		2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	3	A	43	Y

DPP	A	1,2-Dichloropropane	3	C	36	N
DPC	A	1,3-Dichloropropane	3	D	36	N
DPU	A	1,3-Dichloropropene	2	B	15	N
DMX	A	Dichloropropene, Dichloropropane mixtures	2	B	15	N
DEA	A	Diethanolamine	3	D	8	N
DEN	A	Diethylamine	3	C	7	N
DET	A	Diethylenetriamine	3	D	7	Y
DBU	A	Diisobutylamine	3	C	7	N
DIP	A	Diisopropanolamine	3	C	8	N

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VIN/ D1051104 CALL/

FLAG/ US

GBC 297

TOTAL NUMBER OF ENTITLED CHEMICALS/ 124

## --- SPECIFIC HAZARDOUS CARGO AUTHORITY ---

CHEM CODE	NOTE	CHEMICAL NAME	CON TYP	IMO POL	-REACT- GRP	EXC
DIA	A	Diisopropylamine	2	C	7	N
DAC	A	N,N-Dimethylacetamide	3	D	10	N
DMB	A	Dimethylethanolamine	3	D	8	N
DMF	A	Dimethylformamide	3	D	10	N
DNA	A	Di-n-propylamine	2	C	7	N
DOT		Dodecyldimethylamine, Tetradecyldimethylamine mixture	3	A	7	N
MEA	A	Ethanolamine	3	D	8	N
EAC	A	Ethyl acrylate	3	A	14	N
EAN	A	Ethylamine solution (72% or less)	2	C	7	N
EBA	A	N-Ethylbutylamine	3	C	7	N
ECC	A	N-Ethylcyclohexylamine	3	D	7	N
ETC	A	Ethylene cyanohydrin	3	D	20	N
EDA	A	Ethylenediamine	3	C	7	Y
EDC	A	Ethylene dichloride	3	B	36	Y
ETX	A	Ethylene dichloride, 1,1,2-Trichloroethane mixture	3	D	40	N
EGH		Ethylene glycol hexyl ether	3	D	40	N
EGC	A	Ethylene glycol monoalkyl ethers	3	D	40	N
EGP	A	Ethylene glycol propyl ether	3	B	14	N
EAI	A	2-Ethylhexyl acrylate	3	D	14	N
ETM	A	Ethyl methacrylate	3	A	19	Y
EPA	A	2-Ethyl-3-propylacrolein	3	C	19	Y
FMS	A	Formaldehyde solution (37% to 50%)	3	C	19	N
FFA	A	Furfural	3	D	19	N
GTA		Glutaraldehyde solution (50% or less)	3	C	7	N
HMC	A	Hexamethylenediamine solution	2	C	7	N
HMI	A	Hexamethyleneimine	3	#	30	N
HFN	A	Hydrocarbon 5-9	3	C	30	N
IPR		Isoprene	3	#	30	N
IPN		Isoprene, Pentadiene mixture	3	#	5	N
KPL		Kraft pulping liquors (free alkali content 3% or more)	3	D	18	Y
MSO	A	Mesityl oxide	3	B	14	N
MAM	A	Methyl acrylate	3	B	30	N
MCK	A	Methylcyclopentadiene dimer	3	D	8	N
MDE	A	Methyl diethanolamine	3	B	9	N
MEP	A	2-Methyl-5-ethylpyridine	3	D	14	N
MMM	A	Methyl methacrylate	3	D	9	N
MPR	A	2-Methylpyridine	3	A	30	N
MSR	A	alpha-Methylstyrene	3	D	7	Y
MPL	A	Morpholine	3	D	42	N
NPM	A	1- or 2-Nitropropane	3	C	30	N
PDE	A	1,3-Pentadiene	3	B	36	N
PER		Perchloroethylene	3	C	7	Y
PEB	A	Polyethylene polyamines	3	C	7	Y
PGS		Polyglycerine, Sodium salts solution (containing 3% or more Sodium hydroxide)	3	C	8	N
MPA	A	iso-Propanolamine	3	C	8	N
PAX	A	Propanolamine (iso-, n-)	2	C	7	N

PRD	A	Pyridine	3	D	9	N
SWR		Sewage, raw	3	D	5	N
SAU		Sodium aluminate solution (45% or less)				

01JUL97

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NAME/ GBC 397  
 GBC 297

VIN/ D1051104 CALL/

TOTAL NUMBER OF ENTITLED CHEMICALS/ 124

## --- SPECIFIC HAZARDOUS CARGO AUTHORITY ---

CHEM CODE	NOTE	CHEMICAL NAME	CON TYP	IMO POL	-REACT- GRP	EXC
SDD		Sodium chlorate solution (50% or less)	3	3	00	Y
SHP		Sodium hypochlorite solution (15% or less)	3	C	5	N
SDS		Sodium sulfide				
SSH		Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	3	#	0	Y
SSI		Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	3	#	00	Y
SSJ		Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	2	#	0	Y
STX	A	Styrene (crude)	3	#	30	N
STY	A	Styrene	3	B	30	N
STT		Styrene tar			33	N
TEC		1,1,2,2-Tetrachloroethane	3	B	36	N
TTP	A	Tetraethylenepentamine	3	D	7	N
THF	A	Tetrahydrofuran	3	D	41	N
TCB	A	1,2,4-Trichlorobenzene	3	B	36	N
TCM	A	1,1,2-Trichloroethane	3	C	36	Y
TCL	A	Trichloroethylene	2	C	36	N
TCN	A	1,2,3-Trichloropropane	3	C	8	Y
TEA	A	Triethanolamine	2	D	7	N
TEN	A	Triethylamine	3	C	7	N
TET	A	Triethylenetetramine	3	D	7	Y
TPB		Triphenylborane (10% or less), caustic soda solution	3	#	5	N
UAS		Urea, Ammonium nitrate solution (containing more than 2% Ammonia)	3	C	6	N
VBL		Vanillin black liquor (free alkali content 3% or more)	3	#	5	N
VAM	A	Vinyl acetate	3	C	13	N
VNT	A	Vinyltoluene	3	A	13	N

LAST REVISED: PORT/ LOUMS DATE/ 01JUL97

FLAG/ US

NAME/ GBC 397  
OBC 297

VIN/ D1051104 CALL/

## --- CONDITIONS OF CARRIAGE ---

Per 46 CFR 150.130, the Person In Charge of the barge (vessel) is responsible for ensuring that the compatibility requirements of 46 CFR 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR 150 in conjunction with the reactive group numbers from the "REACT GRP" column listed above in the "SPECIFIC DANGEROUS (i.e. HAZARDOUS) CARGO AUTHORITY" section.

NOTE A: THIS VESSEL'S VAPOR RECOVERY SYSTEM HAS BEEN INSPECTED TO THE PLANS APPROVED BY THE MARINE SAFETY CENTER LETTER SERIAL #C2-9701715 DATED 22 MAY 1997 AND FOUND ACCEPTABLE FOR THE COLLECTION OF CARGO VAPORS FROM:

1,3-Cyclopentadiene dimer (molten), 1-Undecene, Acetone, Acetophenone, Amyl acetate (iso), Amyl acetate(n-), Amyl alcohol (iso-, n-, sec-, primary), Benzyl alcohol, Butyl acetate (iso-, n-), Butyl acetate (n-), Butyl acetate (sec-), Butyl alcohol (iso-), Butyl alcohol (n-), Butyl alcohol (sec-), Butyl alcohol (tert-), Butyl benzyl phthalate, Butyl toluene, Caprolactam solutions, Cyclohexane, Cyclohexanol, Cymene (para), Decaldehyde (iso-), Decaldehyde (n-), Decene, Decyl alcohol (all isomers), Decylbenzene (n-), Diacetone alcohol, Dibutyl phthalate, Diethylbenzene, Diethylene glycol, Diisobutyl ketone, Diisobutylene, Diisopropylbenzene (all isomers), Dimethyl phthalate, Dioctyl phthalate, Dipentene, Diphenyl ether, Diphenyl, Diphenyl, Diphenyl ether mixture, Dipropylene glycol, Distillates: Flashed feed stocks, Distillates: Straight run, Dodecene (all isomers), Dodecylbenzene, Ethoxy triglycol (crude), Ethyl acetate, Ethyl acetoacetate, Ethyl alcohol, Ethyl butanol, Ethyl butyrate, Ethyl cyclohexane, Ethyl tert-butyl ether, Ethyl toluene, Ethylbenzene, Ethylene glycol butyl ether acetate, Ethylene glycol diacetate, Ethylene glycol phenyl ether, Ethylene glycol, Formamide, Furfuryl alcohol, Gasoline blending stocks: Alkylates, Gasoline blending stocks: Reformates, Gasolines: Automotive (containing not over 4.23 g per gallon), Gasolines: Aviation (containing not over 4.86 gram per gallon), Gasolines: Casinghead (natural), Gasolines: Polymer, Gasolines: Straight run, Glycerine, Heptane (all isomers), Heptanoic acid, Heptanol (all isomers), Heptene (all isomers), Heptyl acetate, Hexane (all isomers), Hexanoic acid, Hexanol, Hexene (all isomers), Hexylene glycol, Isophorone, Jet fuel: JP-4, Jet fuel: JP-5, Kerosene, Methyl acetate, Methyl alcohol, Methyl butyrate, Methyl ethyl ketone, Methyl heptyl ketone, Methyl isobutyl ketone, Methyl n-butyl ketone, Methyl tert-butyl ether, Methylamyl acetate, Methylamyl alcohol, Mineral spirits, Myrcene, Naphtha: Solvent, Naphtha: Stoddard solvent, Naphtha: VM & P (75% Naphtha), Nonane (all isomers), Nonyl alcohol (all isomers), Nonyl phenol, Octane (all isomers), Octanoic acid (all isomers), Octanol (all isomers), Octene (all isomers), Oil, fuel: No. 2, Oil, fuel: No. 4, Oil, fuel: No. 5, Oil, fuel: No. 6, Oil, misc: Crude, Oil, misc: diesel, Oil, misc: Lubricating, Oil, misc: Turbine, Polybutene, Polypropylene glycol, Propyl acetate (iso-), Propyl acetate (n-), Propyl alcohol (iso-), Propyl alcohol (n-), Propylcyclohexane (iso-), Propylene glycol, Propylene tetramer, Sulfolane, Tetradecanol, Tetraethylene glycol, Alcohol (C6-C17) (secondary) poly(7-12) ethoxylates; Alcohol (C12-C15) poly(1-6) ethoxylates; Brake fluid base mixtures; Ethoxyethyl acetate; 1-Methylnaphthalene; Aromatic resin feedstock; Ethyl propionate; Ethyl-3-ethoxypropionate; Nonene (all isomers); alpha-Pinene; beta-Pinene;

FCC

VESSEL FILE CONDITIONS OF CARRIAGE

01JUL97

LAST REVISED: PORT/ LOUMS DATE/ 01JUL97

VIN/ D1051104 CALL/

FLAG/ US

NAME/ GBC 397  
GBC 297

--- CONDITIONS OF CARRIAGE ---

Tetrahydronaphthalene, Toluene, Tricresyl phosphate, Triethyl phosphate, Triethylbenzene, Triethylene glycol, Trimethylbenzenes (all isomers), Trixylenyl phosphate, Undecyl alcohol, Xylene (ortho-, meta-, para-), Propylbenzene (all isomers); Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein); Hydrocarbon 5-9; 1,2,4-Trichlorobenzene; Butyraldehyde (all isomers); 1,1-Dichloropropane; 1,2-Dichloropropane; 1,3-Dichloropropane; Nonyl Phenyl poly (4-12) ethoxylates; Poly (2-8) alkylene glycol monoalkyl (C1-C6); Polypropylene glycol methyl ether acetate; AND THOSE DANGEROUS CARGOES ANNOTATED WITH NOTE "A" ABOVE.