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

Certification Date:	02 Jul 2020
Expiration Date:	02 Jul 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 16	1051106			Tank Barge

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

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
JEFFERSONVILLE, IN	04Jun1997	02Mar1997	R-716 I-	R-716 I-		R-195.0 I-0

Owner
CANAL BARGE COMPANY INC
1801 Engineer Rd
Belle Chasse, LA 70037
UNITED STATES

Operator
CANAL BARGE COMPANY, INC.
1801 ENGINEERS 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 per 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 Coast Guard District's Tank Barge Streamlined Inspection Program (TBSIP). Inspection activities aboard this barge shall be conducted per its Tank Barge Action Plan (TAP). Inspection issues concerning this barge should be directed to OCMI New Orleans, Louisiana.

SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION

With this Inspection for Certification having been completed at Port Arthur, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Marine Safety Unit Port Arthur 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

Date	Zone	A/P/R	Signature
21 June 21	TBSIP	A	
11 MAY 22	TBSIP	P	
7 Aug 23	TBSIP	A	

This certificate issued by:
J.J. ANDREW, CDR, USCG, By direction
Officer in Charge, Marine Inspection
Marine Safety Unit Port Arthur
Inspection Zone

DEPARTMENT OF HOMELAND SECURITY U. S. COAST GUARD CG-858 (Rev. 1-07)	CERTIFICATE OF INSPECTION AMENDMENT	

NAME OF VESSEL	OFFICIAL NUMBER
CBC 16	1051106

CLASS	GROSS TONS	HOME PORT
Tank Barge	716	New Orleans, LA

WHEN AND WHERE BUILT
02Mar1967 Jeffersonville, IN

DATE CURRENT CERTIFICATE EXPIRES	DATE AND PLACE CURRENT CERTIFICATE OF INSPECTION ISSUED
02JUL25	2JUL20, Vessel Repair, Port Arthur TX

The Certificate of Inspection issued to the vessel described above is amended as follows:

Conditions of Carriage

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), serial # VN97001745, dated 07 May 2001, may be carried. The specified hazardous cargoes may be carried only in the tanks indicated.

This amendment shall automatically appear on the next COI that is reissued for the vessel. Please attach this form to the current COI for reference by any concerned party.

DATE OF ISSUE	INSPECTION ZONE	OFFICER IN CHARGE, MARINE INSPECTION
21Jul2023	Port Arthur TX	Byron T. Inagaki, GS-13, USCG, By direction

INSTRUCTIONS

1. This amendment shall be issued to authorize changes to the conditions or particulars entered on a current valid Certificate of Inspection (Form CG-841 or CG-3753) or to the conditions or particulars entered on a current valid amendment to such a Certificate of Inspection. When issued it shall become part of the Certificate of Inspection which it amends

2. The original of this amendment shall be delivered to the master or owner of the vessel named herein and must be framed under glass with or near the vessel's Certificate of Inspection. If the Certificate of Inspection is not required to be posted, this amendment must be kept on board with the Certificate of Inspection and shown on demand.

3. One copy of this amendment shall be filed in the office of the issuing Officer in Charge, Marine Inspection. In addition one copy shall be distributed to each of the following:

   a. The Officer in Charge, Marine Inspection who issued the current Certificate of Inspection.

   b. The Commandant (G-MPS)

   c. The owner or agent of the vessel named herein.

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

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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 per 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.

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SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION

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Annual/Periodic/Re-Inspection

Date	Zone	A/P/R	Signature
21 June21	TBSIP	A	
11MAY22	TBSIP	P	

This certificate issued by:
J.J. ANDREW, CDR, USCG, By direction
Officer in Charge, Marine Inspection
Marine Safety Unit Port Arthur
Inspection Zone

OMB No. 2115-0517

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

Certification Date:	02 Jul 2020
Expiration Date:	02 Jul 2025

Certificate of Inspection

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Annual/Periodic/Re-Inspection

Date	Zone	A/P/R	Signature
21 June 21	TBSIP	R	Elton Dunn

This certificate issued by: J.J. Andrew CDR
J.J. ANDREW, CDR, USCG, By direction
Officer in Charge, Marine Inspection
Marine Safety Unit Port Arthur
Inspection Zone

OMB No. 2115-0517

Dept. of Home Sec., USCG, CG-841 (Rev 4-2000)(v2)

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

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J.J. ANDREW, CDR, USCG, By direction
Officer in Charge, Marine Inspection
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Certification Date:	02 Jul 2020
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Certificate of Inspection

Vessel Name: CBC 16

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	24Jul2025	24Jul2015	14Dec2006
Internal Structure	31Jul2025	02Jul2020	24Jul2015

--- 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 Location Description	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
II	1495	9ft 3in	13.60	R,LBS,LC 12
III	1723	10ft 4in	13.60	R,LBS,LC 12
II	1495	9ft 3in	13.60	
III	1723	10ft 4in	13.60	

Conditions Of Carriage

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), serial # VN92003661, dated 06APR00, may be carried. The specified hazardous cargoes may be carried only in the tanks indicated.

Per 46 CFR 150.130, the person in charge of the vessel is responsible for ensuring 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 reactive group number from the "Compat Group No" column is listed in the vessel's CAA.

When the vessel is carrying cargoes containing 0.5% or greater benzene by volume, the person in charge is responsible for ensuring the provisions of 46 CFR 197, Subpart C, are applied.

Vapor Control Authorization

This vessel's vapor control system (VCS) 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.

Stability and Trim

Per 46 CFR 151.10-15(c)(2), the maximum tank weights listed above reflect uniform (within 5%) loading at the deepest draft allowed. When carrying subchapter "O" cargoes at shallower drafts, the barge should always be loaded uniformly.

United States of America
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Certificate of Inspection

Vessel Name: CBC 16

--- Inspection Status ---

Cargo Tanks

	Internal Exam			External Exam		
Tank Id	Previous	Last	Next	Previous	Last	Next
1	14Dec2006	24Jul2015	24Jul2025	-	-	-
2	14Dec2006	24Jul2015	24Jul2025	-	-	-
3	14Dec2006	24Jul2015	24Jul2025	-	-	-

		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	B-II

END

Department of Transportation
United States Coast Guard

Serial #:	VN97001745
COI Ref:	07-May-01

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **CBC 16**
Official #: D1051106

Shipyard: JEFFBOAT
Hull #: 96-2871

List of Authorized Cargoes

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat Group No	Compat Exc	Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
Authorized Subchapter O Cargoes							
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	V	.50-81, .50-66
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		.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 ormore)	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% Benzeneor 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)
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 saltsolution	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, dimethylamine saltsolution (70% or less)	DDA	0	Y	NF	III		.55-1(b)
2,4-Dichlorophenoxyacetic acid, diethanolamine saltsolution	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), (c)
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)
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT	7	N	E	III		.56-1(b)

Department of Transportation
United States Coast Guard

Serial #:	VN97001745
COI Ref:	07-May-01

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **CBC 16**
Official #: D1051106

Shipyard: JEFFBOAT
Hull #: 96-2871

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat Group No	Compat Exc	Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
1,1-Dichloropropane	DPB	36	N	C	III		No
1,1-Dichloropropane	DPB	36	N	C	III		No
1,2-Dichloropropane	DPP	36	N	C	III		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 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
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)
Methylcyclopentadiene 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)
Sodium sulfide, hydrosulfide solution (H2S 15 ppm orless)	SSH	0	Y		III		.50-73, .55-1(b)
Sodium sulfide, hydrosulfide solution (H2S greater than15 ppm but less than 200 ppm)	SSI	0	Y		III		.50-73, .55-1(b)
Sodium sulfide, hydrosulfide solution (H2S greater than200 ppm)	SSJ	0	Y		II		.50-73, .55-1(b)

Department of Transportation
United States Coast Guard

Serial #:	VN97001745
COI Ref:	07-May-01

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **CBC 16**
Official #: D1051106

Shipyard: JEFFBOAT
Hull #: 96-2871

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat Group No	Compat Exc	Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
Styrene (crude)	STX	30	N	C	III	V	No
Styrene	STY	30	N	D	III	V	.50-70(a), .50-81(a), (b)
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 than2% 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.
- **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 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 explaination of symbols used in this column.

Melanie Townsend

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

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^3 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/

AME/ GBC 397 VIN/ D1051104 CALL/ FLAG/ US

GBC397

TOTAL NUMBER OF ENTITLED CHEMICALS/ 124

--- SPECIFIC HAZARDOUS CARGO AUTHORITY ---

CHEM CODE	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

/FCL VESSEL FILE CARGO LIST 01JUL97

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

NAME/ GBC 397 VIN/ D1051104 CALL/ FLAG/ US

GBC297

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				
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				
SAU		Sodium aluminate solution (45% or less)	3	D	5	N

VFCL VESSEL FILE CARGO LIST 01JUL97

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

NAME/ GBC 397 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
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	3	#	0	Y
SSH		Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	3	#	00	Y
SSI		Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	2	#	0	Y
SSJ		Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	3	#	30	N
STX	A	Styrene (crude)	3	B	30	N
STY	A	Styrene			33	N
STT		Styrene tar	3	B	36	N
TEC		1,1,2,2-Tetrachloroethane	3	D	7	N
TTP	A	Tetraethylenepentamine	3	D	41	N
THF	A	Tetrahydrofuran	3	B	36	N
TCB	A	1,2,4-Trichlorobenzene	3	C	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	D	8	Y
TEA	A	Triethanolamine	2	C	7	N
TEN	A	Triethylamine	3	D	7	Y
TET	A	Triethylenetetramine	3	#	5	N
TPB		Triphenylborane (10% or less), caustic soda solution	3	C	6	N
UAS		Urea, Ammonium nitrate solution (containing more than 2% Ammonia)	3	#	5	N
VBL		Vanillin black liquor (free alkali content 3% or more)	3	C	13	N
VAM	A	Vinyl acetate	3	A	13	N
VNT	A	Vinyltoluene				

/FCC VESSEL FILE CONDITIONS OF CARRIAGE 01JUL97

LAST REVISED: PORT/ LOUMS DATE/ 01JUL97

NAME/ GBC 397 VIN/ D1051104 CALL/ FLAG/ US

GBC 297

--- 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-Methylnapthalene; 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

AME/ 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; Butryaldehyde (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.