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

Certification Date:	06 Dec 2021
Expiration Date:	06 Dec 2026

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 336	1119685			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
	02Apr2002	04Feb2002	R-1619 I-	R-1619 I-		R-297.5 I-0

Owner
CANAL BARGE COMPANY INC
1801 ENGINEERS ROAD
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 in accordance with 46 CFR 31.10-21(a)(2). 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 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 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
3 March 2023	TBSIP	A	Erin Delcambre

This certificate issued by:
K. A. Hantal, 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:	06 Dec 2021
Expiration Date:	06 Dec 2026

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 336	1119685			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
	02Apr2002	04Feb2002	R-1619 I-	R-1619 I-		R-297.5 I-0

Owner
CANAL BARGE COMPANY INC
1801 ENGINEERS ROAD
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 in accordance with 46 CFR 31.10-21(a)(2). 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 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 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

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

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

Certification Date:	06 Dec 2021
Expiration Date:	06 Dec 2026

Certificate of Inspection

Vessel Name: CBC 336

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Dec2031	06Dec2021	11May2012
Internal Structure	31Dec2026	06Dec2021	23Jan2017

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

Authorization: FLAMMABLE AND COMBUSTIBLE LIQUIDS

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
28706	Barrel	A	No	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 P/S		8.40
2 P/S		8.40
3 P/S		8.40

Conditions Of Carriage

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.

Thermal fluid heater and generator set may only be operated when carrying grade "E" cargoes.

The vessel is inspected and approved for the carriage of grade "E" combustible liquids when transported in molten form at elevated temperatures.

Vapor Control Authorization

In accordance with 46 CFR 39, excluding part 39.4000, this vessel's vapor collection system (VCS) has been inspected to the plans approved by Marine Safety Center letter #C1-1201999 dated April 19, 2012, and has been found acceptable for the collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column.

As per 46 CFR 39.1017 and 39.5000(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			External Exam		
Tank Id	Previous	Last	Next	Previous	Last	Next
1 P/S	11May2012	06Dec2021	31Dec2031	-	-	-
2 P/S	11May2012	06Dec2021	31Dec2031	-	-	-
3 P/S	11May2012	06Dec2021	31Dec2031	-	-	-

Tank Id	Safety Valves	Hydro Test Previous	Last	Next
1 P/S	-	-	-	-

2 P/S	-	-	-	-
3 P/S	-	-	-	-

---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
3	B-II

END

Department of Homeland Security
United States Coast Guard

Serial #: C1-1201999
Dated: 19-Apr-12

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **CBC 336**
Official #: 1119685

Shipyard: Trininty Ashland
Hull #: 4402

Tank Group Characteristics

Tnk Grp	Tanks in Group	Density	Flammability Grade	Fire Protection	Comments
A	#1P/A, #2P/S, #3P/S	8.7	B	Portable	None

This vessel is approved to collect vapors of the following 46 CFR Subchapter D flammable and/or combustible liquid cargoes using the approved onboard vapor control system.

Subchapter D Cargoes Authorized for Vapor Control

Cargo Identification					Conditions of Carriage		
						Vapor Recovery	
Name	Chem Code	Compat Group No	IMO Pollution Category	Grade	Tank Group	App'd (Y or N)	VCS Category
Acetone	ACT	18 [2]	III	C	A	Yes	1
Acetophenone	ACP	18	@D	E	A	Yes	1
Alcohol(C12-C16) poly(1-6)ethoxylates	APU	20	A	E	A	Yes	1
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	AEB	20	B	E	A	Yes	1
Amyl acetate (all isomers)	AEC	34	C	D	A	Yes	1
Amyl alcohol (iso-, n-, sec-, primary)	AAI	20	D	D	A	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	E	A	Yes	1
Butyl acetate (all isomers)	BAX	34	C	D	A	Yes	1
Butyl alcohol (iso-)	IAL	20 [2]	III	D	A	Yes	1
Butyl alcohol (n-)	BAN	20 [2]	III	D	A	Yes	1
Butyl alcohol (sec-)	BAS	20 [2]	III	C	A	Yes	1
Butyl alcohol (tert-)	BAT		III	C	A	Yes	1
Butyl toluene	BUE	32	@A	D	A	Yes	1
Cyclohexane	CHX	31	C	C	A	Yes	1
Cyclohexanol	CHN	20	D	E	A	Yes	1
1,3-Cyclopentadiene dimer (molten)	CPD	30	B	D/E	A	Yes	2
p-Cymene	CMP	32	C	D	A	Yes	1
iso-Decaldehyde	IDA	19	@C	E	A	Yes	1
n-Decaldehyde	DAL	19	@B	E	A	Yes	1
Decene	DCE	30	B	D	A	Yes	1
Decyl alcohol (all isomers)	DAX	20 [2]	B	E	A	Yes	1
n-Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	III	E	A	Yes	1
Diacetone alcohol	DAA	20 [2]	D	D	A	Yes	1
Diethylbenzene	DEB	32	A	D	A	Yes	1
Diisobutylene	DBL	30	B	C	A	Yes	1
Diisobutyl ketone	DIK	18	D	D	A	Yes	1
Diisopropylbenzene (all isomers)	DIX	32	A	E	A	Yes	1
Dioctyl phthalate	DOP	34	III	E	A	Yes	1
Dipentene	DPN	30	C	D	A	Yes	1
Diphenyl	DIL	32	A	D/E	A	Yes	1
Dipropylene glycol	DPG	40	III	E	A	Yes	1
Distillates: Flashed feed stocks	DFF	33	I	E	A	Yes	1
Distillates: Straight run	DSR	33	I	E	A	Yes	1
Dodecene (all isomers)	DOZ	30	B	D	A	Yes	1
Dodecylbenzene, see Alkyl(C9+)benzenes	DDB	32	III	E	A	Yes	1
2-Ethoxyethyl acetate	EEA	34	C	D	A	Yes	1

Department of Homeland Security
United States Coast Guard

Serial #: C1-1201999
Dated:: 19-Apr-12

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **CBC 336**
Official #: 1119685

Shipyard: Trininty Ashland
Hull #: 4402

Cargo Identification						Conditions of Carriage	
						Vapor Recovery	
Name	Chem Code	Compat Group No	IMO Pollution Category	Grade	Tank Group	App'd (Y or N)	VCS Category
Ethoxy triglycol (crude)	ETG	40	D	E	A	Yes	1
Ethyl acetate	ETA	34	D	C	A	Yes	1
Ethyl alcohol	EAL	20 [2]	III	C	A	Yes	1
Ethylbenzene	ETB	32	B	C	A	Yes	1
Ethyl butanol	EBT	20	@D	D	A	Yes	1
Ethyl tert-butyl ether	EBE	41	C	C	A	Yes	1
Ethyl butyrate	EBR	34	C	D	A	Yes	1
Ethyl cyclohexane	ECY	31	C	D	A	Yes	1
Ethylene glycol butyl ether acetate	EMA	34	C	E	A	Yes	1
Ethylene glycol phenyl ether	EPE	40	D	E	A	Yes	1
Ethyl-3-ethoxypropionate	EEP	34	C	D	A	Yes	1
2-Ethylhexanol	EHX	20	@C	E	A	Yes	1
Ethyl propionate	EPR	34	D	C	A	Yes	1
Ethyl toluene	ETE	32	B	D	A	Yes	1
Gasoline blending stocks: Alkylates	GAK	33	I	A/C	A	Yes	1
Gasoline blending stocks: Reformates	GRF	33	I	A/C	A	Yes	1
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT	33	I	C	A	Yes	1
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	GAV	33	I	C	A	Yes	1
Gasolines: Casinghead (natural)	GCS	33	I	A/C	A	Yes	1
Gasolines: Polymer	GPL	33	I	A/C	A	Yes	1
Gasolines: Straight run	GSR	33	I	A/C	A	Yes	1
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HMX	31	C	C	A	Yes	1
Heptanoic acid	HEP	4	D	E	A	Yes	1
Heptanol (all isomers)	HTX	20	C	D/E	A	Yes	1
Heptene (all isomers)	HPX	30	C	C	A	Yes	2
Heptyl acetate	HPE	34	B	E	A	Yes	1
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 [2]	C	B/C	A	Yes	1
Hexanoic acid	HXO	4	D	E	A	Yes	1
Hexanol	HXN	20	D	D	A	Yes	1
Hexene (all isomers)	HEX	30	C	C	A	Yes	2
Hexylene glycol	HXG	20	III	E	A	Yes	1
Isophorone	IPH	18 [2]	D	E	A	Yes	1
Jet fuel: JP-4	JPF	33	I	E	A	Yes	1
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	I	D	A	Yes	1
Kerosene	KRS	33	I	D	A	Yes	1
Methyl acetate	MTT	34	III	D	A	Yes	1
Methyl alcohol	MAL	20 [2]	D	C	A	Yes	1
Methylamyl acetate	MAC	34	C	D	A	Yes	1
Methylamyl alcohol	MAA	20	C	D	A	Yes	1
Methyl amyl ketone	MAK	18	D	D	A	Yes	1
Methyl tert-butyl ether	MBE	41 [2]	D	C	A	Yes	1
Methyl butyl ketone	MBK	18	D	C	A	Yes	1
Methyl butyrate	MBU	34	C	C	A	Yes	1
Methyl ethyl ketone	MEK	18 [2]	III	C	A	Yes	1
Methyl heptyl ketone	MHK	18	B	D	A	Yes	1
Methyl isobutyl ketone	MIK	18 [2]	D	C	A	Yes	1
Methyl naphthalene (molten)	MNA	32	A	E	A	Yes	1
Mineral spirits	MNS	33	I	D	A	Yes	1

Department of Homeland Security
United States Coast Guard

Serial #: C1-1201999
Dated:: 19-Apr-12

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **CBC 336**
Official #: 1119685

Shipyard: Trininty Ashland
Hull #: 4402

Cargo Identification						Conditions of Carriage	
						Vapor Recovery	
Name	Chem Code	Compat Group No	IMO Pollution Category	Grade	Tank Group	App'd (Y or N)	VCS Category
Myrcene	MRE	30	D	D	A	Yes	1
Naphtha: Heavy	NAG	33	@I	#	A	Yes	1
Naphtha: Petroleum	PTN	33	I	#	A	Yes	1
Naphtha: Solvent	NSV	33	@I	D	A	Yes	1
Naphtha: Stoddard solvent	NSS	33	@I	D	A	Yes	1
Naphtha: Varnish makers and painters (75%)	NVM	33	@I	C	A	Yes	1
Nonane (all isomers), see Alkanes (C6-C9)	NAX	31	C	D	A	Yes	1
Nonene (all isomers)	NON	30	B	D	A	Yes	2
Nonyl alcohol (all isomers)	NNS	20 [2]	C	E	A	Yes	1
Nonyl phenol	NNP	21	A	E	A	Yes	1
Nonyl phenol poly(4+)ethoxylates	NPE	40	B	E	A	Yes	1
Octane (all isomers), see Alkanes (C6-C9)	OAX	31	C	C	A	Yes	1
Octanoic acid (all isomers)	OAY	4	D	E	A	Yes	1
Octanol (all isomers)	OCX	20 [2]	C	E	A	Yes	1
Octene (all isomers)	OTX	30	B	C	A	Yes	2
Oil, fuel: No. 2	OTW	33	I	D/E	A	Yes	1
Oil, fuel: No. 2-D	OTD	33	I	D	A	Yes	1
Oil, fuel: No. 4	OFR	33	I	D/E	A	Yes	1
Oil, fuel: No. 5	OFV	33	I	D/E	A	Yes	1
Oil, fuel: No. 6	OSX	33	I	E	A	Yes	1
Oil, misc: Crude	OIL	33	I	C/D	A	Yes	1
Oil, misc: Diesel	ODS	33	I	D/E	A	Yes	1
Oil, misc: Gas, high pour	OGP	33	@I	E	A	Yes	1
Oil, misc: Lubricating	OLB	33	I	E	A	Yes	1
Oil, misc: Residual	ORL	33	I	E	A	Yes	1
Oil, misc: Turbine	OTB	33	I	E	A	Yes	1
n-Pentyl propionate	PPE	34	C	D	A	Yes	1
alpha-Pinene	PIO	30	A	D	A	Yes	1
beta-Pinene	PIP	30	B	D	A	Yes	1
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	PAG	40	D	E	A	Yes	1
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate	PAF	34	D	E	A	Yes	1
Polybutene	PLB	30	III	E	A	Yes	1
Polypropylene glycol	PGC	40	D	E	A	Yes	1
iso-Propyl acetate	IAC	34	III	C	A	Yes	1
n-Propyl acetate	PAT	34	D	C	A	Yes	1
iso-Propyl alcohol	IPA	20 [2]	III	C	A	Yes	1
n-Propyl alcohol	PAL	20 [2]	III	C	A	Yes	1
Propylbenzene (all isomers)	PBY	32	A	D	A	Yes	1
iso-Propylcyclohexane	IPX	31	C	D	A	Yes	1
Propylene glycol	PPG	20 [2]	III	E	A	Yes	1
Propylene glycol methyl ether acetate	PGN	34	D	D	A	Yes	1
Propylene tetramer	PTT	30	B	D	A	Yes	1
Sulfolane	SFL	39	D	E	A	Yes	1
Tetrahydronaphthalene	THN	32	C	E	A	Yes	1
Toluene	TOL	32	C	C	A	Yes	1
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	A	E	A	Yes	1
Triethylbenzene	TEB	32	A	E	A	Yes	1
Trimethylbenzene (all isomers)	TRE	32	A	(D)	A	Yes	1

Department of Homeland Security
United States Coast Guard

Serial #: C1-1201999
Dated:: 19-Apr-12

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **CBC 336**
Official #: 1119685

Shipyard: Trininty Ashland
Hull #: 4402

Cargo Identification						Conditions of Carriage	
						Vapor Recovery	
Name	Chem Code	Compat Group No	IMO Pollution Category	Grade	Tank Group	App'd (Y or N)	VCS Category
Trixylenyl phosphate	TRP	34	A	E	A	Yes	1
Undecene	UDC	30	B	D/E	A	Yes	1
1-Undecyl alcohol	UND	20	B	E	A	Yes	1
Xylenes (ortho-, meta-, para-)	XLX	32	C	D	A	Yes	1

Department of Homeland Security
United States Coast Guard

Serial #: C1-1201999
Dated: 19-Apr-12

Certificate of Inspection
Cargo Authority Attachment

Vessel Name: **CBC 336**
Official #: 1119685

Shipyard: Trininty Ashlan
Hull #: 4402

Explanation of terms & symbols used in the Table:

Cargo Identification

Name
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 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.

Note 1 — 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 Chart. For additional compatibility information, contact Commandant (G-MSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone (202) 267-1217.

Note 2 — See Appendix I to 46 CFR Part 150 - exceptions to the compatability chart.

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

Subchapter D — Those flammable and combustible liquids listed in 46 CFR Table 30.25-1.

Subchapter O — Those hazardous cargoes listed in 46 CFR Table 151.05 and 46 CFR Part 153 Table 2.

Note 3 — 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 — Flammable liquid cargoes, as defined in 46 CFR 30-10.22.

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

Note 4 — 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.

NA — 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 sufficeint hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4).

NA — Not applicable to barges certificated under Subchapter D.

Conditions of Carriage

Tank Group
The vessel'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.

Vapor Recovery Approved (Y or N)
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 — (Polymerizes) Polymerization 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 — (High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5.

Category 7 — (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.