ST ST	Departm	ed States of America ent of Homeland Secur d States Coast Guard	rity	Certification Date: Expiration Date:	10 Jan 202 10 Jan 202
For ships on in	Certificate termational voyages this certificate fulfills the req				T.
Vessel Name	Official Number	IMO Number	Call Sign	Service	
CBC 340	1222665		Sur Olgri	Tank Barg	e
Hailing Port NEW ORLEANS, LA	Hull Material Steel	Horsepower	Propulsion	1	
UNITED STATES					
Place Built	Delivery Date	Keel Laid Date Gross Tons	Net Tons	DWT	Length
ASHLAND CITY, TN UNITED STATES	14Dec2009	17Sep2009 <sup>R-1619</sup> I-	R-1619 I-	1	-0
801 ENGINEERS ROAD BELLE CHASSE, LA 700 INITED STATES	37 ned with the following licensed	1801 ENGINEER BELLE CHASSE UNITED STATE	s LA 70037	in which there mus	t be
Certified Lifeboatmen, 0	Certified Tankermen, 0 HSC	Type Rating, and 0 GMD	SS Operato	rs.	i be
0 Masters 0 Chief Mates		Engineers 0 Oi ssistant Engineers	ilers		
0 Second Mates		d Assistant Engineer			
0 Third Mates		Assistant Engineers			
0 Master First Class Pilot		ed Engineers			
0 Mate First Class Pilots		ed Member Engineer			
addition, this vessel ma ersons allowed: 0	y carry 0 Passengers, 0 Other	Pérsons in crew, 0 Perso	ons in additi	on to crew, and no	Others. Total
Route Permitted And Co	••••••				
Lakes, Bays, and	Sounds plus Limited	Coastwise			
lso, in fair weather on arrabelle, Florida.	nly, coastwise, not more th	nan twelve (12) miles :	from shore	between St. Mark	s and
the child a cober Te	anted a fresh water service operated in salt water mo lusing salt water interval	The than div (6) month	a in owner h.		
**SEE NEXT PAGE FO	R ADDITIONAL CERTIFICA	TE INFORMATION***		unununun	Halling .
pection, Sector Houston.	tification having been complet Galveston certified the vesse lations prescribed thereunder	in all respects IS IN con	ED STATE:	S, the Officer in Cha the applicable ves	arge, Marine sel inspection
Annual/Per	riodic/Re-Inspection	This Amended	Contificate	issued but	D. C.
Date Zone	A/P/R Signature			z CDR, USCO, By	Direction
				10,-,-,-	
NEC. 202 Canal Barge	P Kynny Robert	Officer in Charge, Mari		ouston-Galveston	

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

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99-99		Unite Departme	d States of A nt of Homela States Coa	America and Secur	ity	Certification D Expiration Da		an 202 an 202
							le. 10 Ja	an 202
Contraction of the second	Certi ernational voyages this cer							
For ships on inte	emational voyages this cer	(meane realise me requ			guiation V/14, for a	SAFE MANNING DOC	UMENT.	
essel Name		icial Number	IMO Num	ber	Call Sign	Service		-
CBC 340	12	222665				Tank	Barge	
Halling Port		Hull Material	Horse	opower	Brewiele			
NEW ORLEANS, LA		Steel			Propulsion	n		
UNITED STATES								
Place Built		Delivery Date	Keel Laid Date	Gross Tons	Nel Tons	DWT	Length	
ASHLAND CITY, TN		14Dec2009	17Sep2009	R-1619	R-1619	Ditt.	R-297.5	
UNITED STATES			an chanacau	6	ŀ		1-0	
Dwner CANAL BARGE COMPA 1801 ENGINEERS ROAI BELLE CHASSE, LA 700 JNITED STATES	D		1801 BELL	AL BARGE	E, LA 70037			
This vessel must be man Certified Lifeboatmen, 0 Masters 0 Chief Mates	0 Licensed Mate	ermen, 0 HSC es 0 Chief	Type Rating, a Engineers	and 0 GMD 0 0	el. Included SS Operato	d in which there ors.	must be	_
0 Second Mates	0 First Class Pilo 0 Radio Officers	0.000.042	Assistant Enginee nd Assistant Engi					
0 Third Mates	0 Able Seamen		Assistant Engine					
0 Master First Class Pilot	0 Ordinary Sean		sed Engineers	015				
0 Mate First Class Pilots	0 Deckhands	0 Qualit	ied Member Eng	ineer				
n addition, this vessel ma Persons allowed: 0	ay carry 0 Passe	ngers, 0 Othe	r Pérsons in c	rew, 0 Pers	ons in addil	tion to crew, and	1 no Others.	Total
Route Permitted And C	conditions Of Op	peration:	Carlos and		_			
Lakes, Bays, and			Coastwise					
lso, in fair weather arrabelle, Florida.					from shore	between St. 1	Marks and	
This vessel has been g 21(b); if this vessel ressel must be inspect change occurs.	ranted a fresh is operated in ed using salt ;	water servi salt water w water interv	ce examinatio more than six als and the c	n interval (6) month ognizant C	in accord 15 in any t OCMI notifi	lance with 46 welve (12) mo: ed in writing	CFR Table 3 nth period, as soon as	1.10- the this
***SEE NEXT PAGE F						in the second	abinanos)	
Vith this Inspection for Conspection, Sector Houston, Sector Houston, we and the rules and re	gulations prescri	bed thereund	er, in all respe	cts, is in co	nformity wit	h the applicable	Charge, Ma	arine
1.49.94.94.94.94	Periodic/Re-Inspe	ALV Y Y	Ť		d certificate		112-	-
Date Zone	A/P/R	Signatu	e	Nicole	D. Rodrigue	Z CDR, USCO	ByDirection	1
DEC 200 Card Q	A	A STATE OF A STATE OF		cer in Charge, Ma			-) Diroonon	

OMB No. 2115-0517

		Certif	Departm Unite	ed States of ent of Home d States Coa te of	land Secur ast Guard		Certification I Expiration Da	10 Jan 202
Core .	for ships on internation	unal voyages this certific	ato fulfills the req	uirements of SOLAS	74 as amended, re	gulation V/14, to	A SAFE MANNING DOC	DUMENT
Vessel Name		Official	Number	IMO Nur	nber	Call Sign	Service	
CBC 340		1223	2665				Tank	Barge
Hailing Port	S, LA		Hull Material	Hors	epower	Propulsi	on	
UNITED STAT			Steel					
Place Built		De	livery Date	Keel Laid Date	Gross Tons	Nel Tons	DWT	Length
ASHLAND CIT	Y, TN	1,	4Dec2009	17Sep2009	R-1619 I-	R-1619 (-		R-297 5 1-0
UNITED STAT	ES							
1801 ENGINEE BELLE CHASS UNITED STATE	E, LA 70037 ES	with the followin rtified Tankerm	ng licensed	UNIT	E CHASSE ED STATES ed Personne and 0 GMDS	S el. Includeo	d in which there	must be
0 Masters		Licensed Mates		Engineers	0 Oil	lers		
0 Chief Mates		First Class Pilots	0 First A	ssistant Enginee	rs			
0 Second Mates	. 0	Radio Officers	0 Secon	d Assistant Engir	neer			
0 Third Mates		Able Seamen	0 Third A	Assistant Enginee	ers			
0 Master First C	lass Pilot 0	Ordinary Seamen	0 Licens	ed Engineers				
0 Mate First Cla	ss Pilots 0	Deckhands		ed Member Engir			· · · · · · · · · · · · · · · · · · ·	Others Tatal
n addition, this Persons allowed	vessel may ca 1: 0	arry 0 Passenge	ers, 0 Other	Persons in cr	ew, 0 Perso	ns in addit	ion to crew, and	no Others. Total
Carrabelle, Flo	weather only orida.	<b>ounds plus</b> , coastwise, n	Limited	han twelve (1	2) miles f		between St. M	
1/hl. if this	veggel is or	perated in sal	t water mo	ore than six	(6) months	in any to	welve (12) mon	FR Table 31.10- th period, the as soon as this
***SEE NEXT						DOTATE	AND OFFICE	ST No.
with this inspect nspection, Sector aws and the rule	or Houston-Ga	lveston certified	I the vesse	I, in all respect	s, is in confe	ormity with	S, the Officer m the appricable	vessel inspection
		ic/Re-Inspection			Amended	certificate	ssued by:	n.
Date	Zone	A/P/R	Signature		Nicole D.	Rodriguez	CDR, USCO	Direction
PEC2020 (	and large	A ISA	Sin	Office	r in Charge, Manne			
						Sector Ho	ouston-Galvesto	n

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United States of America Department of Homeland Security United States Coast Guard Certification Date:10 Jan 2020Expiration Date:10 Jan 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		Of	ficial Number	IMO Numb	er	Call Sign	Service	
CBC 340		1	222665				Tank Ba	irde
								iige
Hailing Port			Hull Material	Horse	power	Propulsion		
NEW ORLEA	ANS, LA		Steel					
UNITED STA	TES		01001					
	(ILO							
Place Built								
ASHLAND C	ITY TN		Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
			14Dec2009	17Sep2009	R-1619	R-1619		R-297 5
UNITED STA	TES				ŀ	ŀ		I-0
Owner				Operato	r			
CANAL BAR		IY INC				COMPANY IN	1C	
1801 ENGINE BELLE CHAS		7			ENGINEEI	RS ROAD E, LA 70037		
UNITED STA					ED STATE			
This vessel m 0 Certified Lif	ust be manne eboatmen, 0	ed with the follo Certified Tanke	wing licensed ermen, 0 HSC	and unlicensed Type Rating, a	Personnel and 0 GMD	. Included in w SS Operators.	hich there mu	st be
0 Masters		0 Licensed Mate	s 0 Chief	Engineers	00	ilers		
0 Chief Mates	3	0 First Class Pil	ots 0 First A	Assistant Enginee	s			
0 Second Ma	tes	0 Radio Officers	0 Secor	nd Assistant Engir	eers			
0 Third Mates	6	0 Able Seamen	0 Third	Assistant Enginee	rs			
0 Master Firs		0 Ordinary Sean		sed Engineers				
0 Mate First 0		0 Deckhands		ied Member Engin		no in coldition t		Others Tatal
Persons allow	/ed: 0		ngers, o Other	Persons in cre	w, u Perso	ns in addition t	o crew, and no	O Others. Total
Route Perm	itted And Co	nditions Of O	peration:					
Lakes,	Bays, and	Sounds						
Also, in fai Carrabelle,	r weather on Florida.	nly, coastwis	e, not more	than twelve (	12) miles	from shore b	etween St. Ma	arks and
This vessel	has been gra	anted a fresh	water servi	ce examinatio	n interval	in accordan	ce with 46 CF	R Table 31.10-
21(b); if th	is vessel is	s operated in	salt water m	more than six	(6) month	in any twe	lve (12) mont	h period, the
change occur	s.	a using sait	water interva	ais and the c	ognizant (	CMI notified	in writing a	as soon as this
		R ADDITION						
Inspection, Se	ector Houston	-Galveston cer	tified the vesse	el, in all respec	n, TX, UNIT ts, is in con	ED STATES, formity with the	the Officer in C e applicable ve	Charge, Marine ssel inspection
laws and the		lations prescri priodic/Re-Insp						
Deta						e issued by	L	
Date	Zone	A/P/R	Signatu	-		D. Roduguez (	CDR, USCG, E	By Direction
				Off	icer in Charge, Ma		where O-based	
				Inc	Dection Zono	Sector Hou	iston-Galvesto	n
				Ins	pection Zone			

and the second s			states of America	Certificatio	and a start of	10 Jan 2020		
2238			of Homeland Secu ates Coast Guard		Date:	10 Jan 2025		
	Car		_					
A STER	Cer	rtífícate	e of Ins	pection				
			<i>ت ت</i>					
Vessel Name: CBC 34								
inspection Pr	ogram (TBSIP), Ins	pection activities al	board this barge s	Districts Tank Barge shall be conducted in e should be directed t	accordan	ao with ita		
Hull Exa	ms							
Exam Type	Nex	t Exam	Last Exam	Prior Ex	am			
DryDock	31J	an2030	10Jan2020					
Internal Structu	ıre 31J	an2025	10Jan2020	20Nov20	20Nov2014			
Liquid/G	as/Solid Cargo	Authority/Condit	ions					
Authorization:		LOWER AND SPECIF		CARGOES.				
Total Capacity	Units	Highest Grade Type	e Part151 Regulate	ed Part153 Regulated	Part154	Regulated		
26700	Barrels	А	Yes	No	No			
*Hazardous B	ulk Solids Authority	r*						
*Loading Con	straints - Structural	*						
Tank Number		Max Cargo Weight	per Tank (short tons)	) Maximum Dens	Maximum Density (lbs/gal)			
1 P/S		829	•	8.74				
2 P/S		812		8.74				
3 P/S		773		8.74				
*Loading Con	straints - Stability*							
Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description				
III	4598	11ft 6in	8.74	R, LBS, LC 0-12				
				R, LBS, LC 0-12				

### Only those cargoes named in the vessel's cargo authority attachment, serial #C1-0903400, dated December 9, 2009, may be carried and then only in the tanks indicated.

When the vessel is carrying cargoes containing 0.5% or more benzene, the person in charge is responsible for ensuring the provisions of 46 CFR part 197, subpart C are applied.

Per 46 CFR 150.130, the Person in Charge (PIC) of the 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 compatibility group numbers from the "COMPAT GRP" column listed in the vessel's CAA.

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

\*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.

The vessel is inspected and approved for the carriage of grade "E" combustible liquids (except those cargoes having a flashpoint 300 degrees Fahrenheit or above) when transported in molten form at elevated temperatures per 46 CFR 36.



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

## Certificate of Inspection

Vessel Name: CBC 340

	Internal Exam	inations				
Γank ID	Previous	Last	Next			
Center midship	-	14Dec2009				
*Cargo Tanks*						
	Internal Exam	1		External Exa	am	
Tank Id	Previous	Last	Next	Previous	Last	Next
1 P/S	14Dec2009	03Jan2020	31Jan2030	15	-	÷
2 P/S	14Dec2009	03Jan2020	31Jan2030	-	-	-
3 P/S	14Dec2009	03Jan2020	31Jan2030	4	L.	2
			Hydro Test			
Tank Id	Safety Valves	3	Previous	Last	Next	
1 P/S	÷ .		-		-	
2 P/S	1.0		- E	1.0	C#1	
3 P/S	-é-		- E	-	-	
*Boilers/Steam Piping						
Maximum Steam Pressu	ire Allowed: 150					
	Hydro Inspec	tion		Mountings I	nspection	
Boiler/Piping ID	Previous	Last	Next	Opened	Removed	
800sb-0910-1470	-	14Dec2009	Ϋ́.	î	~	
	Fireside Inspe	ection		Waterside I	nspection	
Boiler/Piping ID	Previous	Last	Next	Previous	Last	Next
800sb-0910-1470	-	14Dec2009	-	÷	-	-
Conditional Por	table Fire Exti	nguisher R	equirement	:s		
Required Only During Tr						
	quipment					
Fire Fighting E						
Fire Fighting E	and nortable and	somi nortablo'	۲			
*Fire Extinguishers - H	and portable and s	•				
	land portable and a	<b>semi-portable</b> ' Class Ty B-II				



Department of Homeland Security United States Coast Guard

Serial #: C1-0903400 Dated: 09-Dec-09

### **Certificate of Inspection** Cargo Authority Attachment

Vessel Name: CBC 340 Official #: 1222665

Shipyard: TRINITY ASHLAND CITY Hull #: 4693

Tank Group Information			on Cargo Identification Tanks			Cargo Environmental Transfer Control				Fire	Special Requirements		1	-			
Trit Grp Tanks in Group	Density	Press.	Temp	Hull Typ	Seg Tank	Тура	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space	Protection Provided	General	Materials of Construction	Elec Haz	Temp Cont
A #1P/S,#2P/S,#3P/S	8 74	Atmos	Elev	II	111 211	Integral Gravity	PV	Open	11	G-1	NR	NA	Portable	40-1(()(1), .50-60, 50-70(a), .50- 70(b), .50-73, .50- 81(a), .50-81(b),	55-1(h), 56-1(a), (d), (e), (l), (g).	NR	Yes

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								Conditions of Carriage					
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor R App'd (Y or N)	ecovery VCS Category	Special Requirements in 46 CFR 151 General and Mattis of	Insp. Period			
Authorized Subchapter O Cargoes													
Adiponitrile	ADN	37	0	E		A	No	N/A	No	G			
Alkyi(C7-C9) nitrates	AKN	34 2	0	NA	111	Α	No	N/A	50-81, .50-88	G			
Butyraldehyde (all isomers)	BAE	19	0	С	HI.	Α	No	N/A	.55-1(h)	G			
Camphor oll (light)	CPO	18	0	D	11	A	No	N/A	No	G			
Cresols (all isomers)	CRS	21	0	Е	Ш	Α	No	N/A	No	G			
Ethylene cyanohydrin	ETC	20	0	Ę	10	A	No	N/A	No	G			
Ethylene glycol hexyl ether	EGH	40	0	Е	10	A	No	N/A	No	G			
Ethylene glycol propyl ether	EGP	40	0	E	ш	A	No	N/A	No	G			
2-Ethylhexyl acrylate	EAI	14	0	E	m	Α	No	N/A	50-70(a), 50-81(a), (b)	G			
Isoprene	IPR	30	0	A	HI	A	No	N/A	50-70(a), 50-81(a), (b)	G			
Styrene monomer	STY	30	0	D	TH.	Α	No	N/A	.50-70(a), 50-81(a), (b)	G			
Vinyl acetate	VAM	13	0	С	111	Α	No	N/A	.50-70(a), 50-81(a), (b)	G			
Vinyl neodecanate	VND	13	0	E	111	Α	No	N/A	.50-70(a), .50-81(a), (b)	G			

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



Department of Homeland Security United States Coast Guard Serial #: C1-0903400 Dated: 09-Dec-09

## **Certificate of Inspection** Cargo Authority Attachment

Vessel Name: CBC 340 Official #: 1222665

Page 2 of 2

Shipyard: TRINITY ASHL Hull #: 4693

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

Cargo Identi	n
Name	The proper shipping name as listed in 48 CFR Table 30.25-1, 46 CFR Table 151 05, and 46 CFR Part 153 Table 2.
Chem Code none	The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual Certain midures of cargoes may not have a CHRIS Code assigned.
Compatabli	Ip No The cargo reactive group number assigned for compatibility determinations in 46 CFR Part 150 Tables I and IL. In accordance with 46 CFR 150, 130, the Person-in-Charge the barge is responsible for ensuining 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 compatibility asing the figures, tables.
Note	Because of the very high reactivity or Unusual conditions of certiage or optionalibility compatibility and unusual the analysis and antigeness the
Note	Chart. For additional compatibility information, contact Commandant (CG-3PSO-3), U.S. Coast Guard, 2100 Second Street, SW. Washington, DC 20593-0001 Telephor (202) 372-1425. 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
Subcha	Those fiammable 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.
Note	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 flanvnable or combustible liquid. Graces inside of "{ }" indicate a provisional assignment based upon literature sources which was 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 the data grade of cargo.
A, B, C D, E	Flammable liquid cargoes, as defined in 46 CFR 30-10-22.
Note	Combustible liquid cargoes, as defined in 46 CFR 30-10-15. The frammability combustibility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. The Person-In-Charge shall verify the
NA	cargo grade based on Manufacturers data and ensure that the barge is authorized for carrege of that grade of cargo. Those subchapter O cargoes which are not classified as a flammable or computible liquid.
#	No fiammability/combustibility grade has been assigned yel, 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 45 CFR 151.10-1.
1	Designed to Carry products which require the maximum preventive measures to oraclude the uncontrolled release of the carroo. See 48 CED 151 10 1/b/1)
iii	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 sufficient hazard to require a moderate degree of control. See 45 CFR 151.10-1(b)(4).
NA	Not applicable to barges certificated under Subchapter D.
Conditions of	tage
Tank Group	The vessel's tank group (as defined in Section 4) which is authorized for carriage of the named cargo.
Vapor Reco Approve	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
Conditions o	age
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 Reco Approved	N) Yes. The vessel's VCS has been reviewed and approved by the MSC to control vepors 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 Cat	The specified cargo's provisional classification for vapor control systems.
Categ	(No additional VCS requirements above those for benzone, gasclines and crude oil) All requirements applying to the handling of oil and hazardous matanals in Titles 33 and 46 Code of Foderal 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, 45 CFR 35.35 and 46 CFR 39. The cargo tank venting system calculations (45 CFR 39.20-11) and the pressure drop calculations (46 CFR 39.30-1(b)) must use appropriate friction factors, vapor densities and vapor gravith rates.
Caleg	(Polymerizes) Polymerization and residue build-up of these cargoes can adversely affect the vessel by fouling safety componenets and restricting vapor flow which could tead to cargo tank overpressurization. The vesse's owner must develop a method of ensuring all VGS safety components are functional and polymer build-up is not causing an unasite condition due to increased pressure in the vepor control piping and cargo tanks. The method shall be acceptable to the local Officer in Charge, Mann 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 arreste
Categ	(Highly loxic) VCSs for these boxic 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.
Categ	(Polymerizes and highly toxic) Must comply with requirements of Categories 1, 2 and 3.
Categ	(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 Toargoes. Consult the Manne Safety Center's VCS Guidelines for further information. This requirement is in addition to the requirements of Category 1.
Ceteg	(High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5
Caleg	(High vapor pressure and polymarizes) Must comply with requirements of Categories 1, 2 and 5.
none	The cargo has not been evaluated/classified for use in vapor control systems

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