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

Certification Date:	12 Jul 2022
Expiration Date:	12 Jul 2027

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
CCL 8	551982			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
PITTSBURGH, PA UNITED STATES	01Jan1974		R-773 I-	R-773 I-		R-195.0 I-0

Owner
CHEM CARRIERS LLC
1237 HIGHWAY 75
SUNSHINE, LA 70780
UNITED STATES

Operator
CHEM CARRIERS LLC
1237 HIGHWAY 75
SUNSHINE, LA 70780
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 Table 31.10-21(b); if this vessel is operated in salt water more than six (6) months in any twelve (12) month period, the vessel must be inspected using salt water intervals and the cognizant OCMI notified in writing as soon as this change in status occurs.

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

Date	Zone	A/P/R	Signature
18 SEP 2023	BATON	A	
15 SEP 2024	BATON	A	
13 AUG 25	BATON	A	

This certificate issued by: M. J. Novak

M. J. NOVAK LCDR, USCG, by direction

Officer In Charge, Marine Inspection

New Orleans, LA

Inspection Zone

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

Certification Date:	12 Jul 2022
Expiration Date:	12 Jul 2027

Certificate of Inspection

Vessel Name: CCL 8

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	30Jun2027	02Jun2017	03Jul2012
Internal Structure	30Jun2027	12Jul2022	02Jun2017

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

Authorization: GRADE "A" AND LOWER AND SPECIFIED HAZARDOUS CARGOES.

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
10500	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 C/L	606	13.50
2 C/L	623	13.50
3 C/L	615	13.50

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
III	1811	10ft 5in	13.50	R
II	1485	9ft 0in	13.50	LBS
III	1624	9ft 7in	13.50	LBS
II	1485	9ft 0in	13.50	R

Conditions Of Carriage

Only those cargoes named in the vessel's Cargo Authority Attachment, serial #C2-0402884, dated 02-NOV-04, and grade "A" and lower cargoes may be carried.

Benzene Prohibition

When the vessel is carrying cargoes containing greater than 0.5% Benzene, the person in charge is responsible for ensuring the provisions of 46 US Code of Federal Regulations Part 197, Subpart C are applied.

Oil Prohibition - No Overfill Protection Devices

This vessel is not equipped with overfill protection devices and is prohibited from carrying oil products as defined in 33 CFR 151.05.

Oil Prohibition - No 30 Year Mid-Body Survey

This vessel does not meet the mid-body gauging survey requirements of 46 CFR 31.10-21a (b)(1) and is prohibited from carrying pollution category I oils listed in 46 CFR Table 30.25-1

--- Inspection Status ---

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

Certification Date:	12 Jul 2022
Expiration Date:	12 Jul 2027

Certificate of Inspection

Vessel Name: CCL 8

Cargo Tanks

	Internal Exam			External Exam		
Tank Id	Previous	Last	Next	Previous	Last	Next
1 C/L	06Aug2012	02Jun2017	30Jun2027	-	-	-
2 C/L	06Aug2012	02Jun2017	30Jun2027	-	-	-
3 C/L	06Aug2012	02Jun2017	30Jun2027	-	-	-

		Hydro Test		
Tank Id	Safety Valves	Previous	Last	Next
1 C/L	-	-	-	-
2 C/L	-	-	-	-
3 C/L	-	-	-	-

---Conditional Portable Fire Extinguisher Requirements---

Required Only During Transfer of Cargo or Operation of Barge Machinery

--- Fire Fighting Equipment ---

Number of Fireman Outfits - 0

Fire Extinguishers - Hand portable and semi-portable

Quantity	Class Type
2	40-B

END

Department of Homeland Security
United States Coast Guard

Serial #: C2-0402884
Generated: 02-Nov-04

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **TCB 308**
Official #: D551982

Shipyard: Dravo Hull
Hull #: 6237

46 CFR 151 Tank Group Characteristics

Tank Group Information		Cargo Identification			Hull Typ	Cargo Seg Tank	Tanks			Cargo Transfer		Environmental Control		Fire Protection Provided	Special Requirements		Elec Haz	Tem p
Tnk Grp	Tanks in Group	Density	Press.	Temp.			Type	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space		General	Materials of Construction		
A	Three (3)	13.6	Atmos.	Amb.	II	1ii 2ii	Integral Gravity	PV	Open	II	G-1	NR	NA	Portable	40-1(f)(1), .50-60, .50-70(a), .50-70(b),	55-1(b), (c), (e), (f), (h), (j), 56-1(a), (b), (c), (d), (e), (f), (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			
							Vapor Recovery		
Name	Chem Code	Compat Group	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
Authorized Subchapter O Cargoes									
Adiponitrile	ADN	37	O	E	II	A	No	N/A	No
Alkyl(C7-C9) nitrates	AKN	34 [2]	O	NA	III	A	No	N/A	.50-81, .50-86
Aminoethylethanolamine	AEE	8	O	E	III	A	No	N/A	.55-1(b)
Ammonium bisulfite solution (70% or less)	ABX	43 [2]	O	NA	III	A	No	N/A	.50-73, .56-1(a), (b), (c)
Anthracene oil (Coal tar fraction)	AHO	33	O	NA	II	A	No	N/A	No
Butyraldehyde (all isomers)	BAE	19	O	C	III	A	No	N/A	.55-1(h)
Camphor oil (light)	CPO	18	O	D	II	A	No	N/A	No
Carbon tetrachloride	CBT	36	O	NA	III	A	No	N/A	No
Caustic potash solution	CPS	5 [2]	O	NA	III	A	No	N/A	.50-73, .55-1(j)
Caustic soda solution	CSS	5 [2]	O	NA	III	A	No	N/A	.50-73, .55-1(j)
Chlorobenzene	CRB	36	O	D	III	A	No	N/A	No
Chloroform	CRF	36	O	E	III	A	No	N/A	No
Creosote	CCW	21 [2]	O	E	III	A	No	N/A	No
Cresols (all isomers)	CRS	21	O	E	III	A	No	N/A	No
Cresylic acid tar	CRX		O		III	A	No	N/A	.55-1(f)
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	O	D	III	A	No	N/A	.50-60, .56-1(b)
iso-Decyl acrylate	IAI	14	O	E	III	A	No	N/A	.50-70(a), .50-81(a), (b), .55-1(c)
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	O	NA	III	A	No	N/A	.56-1(a), (b), (c), (g)
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 [2]	O	NA	III	A	No	N/A	.56-1(a), (b), (c), (g)
Diethanolamine	DEA	8	O	E	III	A	No	N/A	.55-1(c)
Diethylenetriamine	DET	7 [2]	O	E	III	A	No	N/A	.55-1(c)
Diisopropanolamine	DIP	8	O	E	III	A	No	N/A	.55-1(c)
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT	7	O	E	III	A	No	N/A	.56-1(b)
Ethanolamine	MEA	8	O	E	III	A	No	N/A	.55-1(c)
Ethylene cyanohydrin	ETC	20	O	E	III	A	No	N/A	No
Ethylene glycol hexyl ether	EGH	40	O	E	III	A	No	N/A	No
Ethylene glycol propyl ether	EGP	40	O	E	III	A	No	N/A	No
2-Ethylhexyl acrylate	EAI	14	O	E	III	A	No	N/A	.50-70(a), .50-81(a), (b)
Glutaraldehyde solution (50% or less)	GTA	19	O	NA	III	A	No	N/A	No
Isoprene	IPR	30	O	A	III	A	No	N/A	.50-70(a), .50-81(a), (b)
Kraft pulping liquors (free alkali content 3% or more)(including: Black, Green, or White liquor)	KPL	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (c), (g)
Methyl diethanolamine	MDE	8	O	E	III	A	No	N/A	.56-1(b), (c)
2-Methyl-5-ethylpyridine	MEP	9	O	E	III	A	No	N/A	.55-1(e)
Morpholine	MPL	7 [2]	O	D	III	A	No	N/A	.55-1(c)
Polyethylene polyamines	PEB	7 [2]	O	E	III	A	No	N/A	.55-1(e)
iso-Propanolamine	MPA	8	O	E	III	A	No	N/A	.55-1(c)
Propanolamine (iso-, n-)	PAX	8	O	E	III	A	No	N/A	.56-1(b), (c)

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

Certificate of Inspection

Cargo Authority Attachment

Explanation of terms & symbols used in the Table:

Cargo Identificatio

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.
none	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.
Note 2	Telephone (202) 267-1217.
	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 Carriag

Tank Group	The vessel's tank group (as defined in Section 4) 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.

Conditions of Carriag

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
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.

Department of Homeland Security
United States Coast Guard

Serial #: C2-0402884
Generated: 02-Nov-04

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **CCL 8**
Official #: D551982

Shipyard: Dravo Hull
Hull #: 6237

46 CFR 151 Tank Group Characteristics

Tank Group Information		Cargo Identification			Hull Type	Cargo Seg Tank	Tanks			Cargo Transfer		Environmental Control		Fire Protection Provided	Special Requirements		Elec Haz	Temp Cont
Tnk Grp	Tanks in Group	Density	Press.	Temp.			Type	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space		General	Materials of Construction		
A	Three (3)	13.6	Atmos.	Amb.	II	1ii 2ii	Integral Gravity	PV	Open	II	G-1	NR	NA	Portable	40-1(f)(1), .50-60, .50-70(a), .50-70(b),	55-1(b), (c), (e), (f), (h), (j), 56-1(a), (b), (c), (d), (e), (f), (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			
							Vapor Recovery		
Name	Chem Code	Compat Group	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
Authorized Subchapter O Cargoes									
Adiponitrile	ADN	37	O	E	II	A	No	N/A	No
Alkyl(C7-C9) nitrates	AKN	34 [2]	O	NA	III	A	No	N/A	.50-81, .50-86
Aminoethylethanolamine	AEE	8	O	E	III	A	No	N/A	.55-1(b)
Ammonium bisulfite solution (70% or less)	ABX	43 [2]	O	NA	III	A	No	N/A	.50-73, .56-1(a), (b), (c)
Anthracene oil (Coal tar fraction)	AHO	33	O	NA	II	A	No	N/A	No
Butyraldehyde (all isomers)	BAE	19	O	C	III	A	No	N/A	.55-1(h)
Camphor oil (light)	CPO	18	O	D	II	A	No	N/A	No
Carbon tetrachloride	CBT	36	O	NA	III	A	No	N/A	No
Caustic potash solution	CPS	5 [2]	O	NA	III	A	No	N/A	.50-73, .55-1(j)
Caustic soda solution	CSS	5 [2]	O	NA	III	A	No	N/A	.50-73, .55-1(j)
Chlorobenzene	CRB	36	O	D	III	A	No	N/A	No
Chloroform	CRF	36	O	E	III	A	No	N/A	No
Creosote	CCW	21 [2]	O	E	III	A	No	N/A	No
Cresols (all isomers)	CRS	21	O	E	III	A	No	N/A	No
Cresylic acid tar	CRX		O		III	A	No	N/A	.55-1(f)
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	O	D	III	A	No	N/A	.50-60, .56-1(b)
iso-Decyl acrylate	IAI	14	O	E	III	A	No	N/A	.50-70(a), .50-81(a), (b), .55-1(c)
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	O	NA	III	A	No	N/A	.56-1(a), (b), (c), (g)
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 [2]	O	NA	III	A	No	N/A	.56-1(a), (b), (c), (g)
Diethanolamine	DEA	8	O	E	III	A	No	N/A	.55-1(c)
Diethylenetriamine	DET	7 [2]	O	E	III	A	No	N/A	.55-1(c)
Diisopropanolamine	DIP	8	O	E	III	A	No	N/A	.55-1(c)
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT	7	O	E	III	A	No	N/A	.56-1(b)
Ethanolamine	MEA	8	O	E	III	A	No	N/A	.55-1(c)
Ethylene cyanohydrin	ETC	20	O	E	III	A	No	N/A	No
Ethylene glycol hexyl ether	EGH	40	O	E	III	A	No	N/A	No
Ethylene glycol propyl ether	EGP	40	O	E	III	A	No	N/A	No
2-Ethylhexyl acrylate	EAI	14	O	E	III	A	No	N/A	.50-70(a), .50-81(a), (b)
Glutaraldehyde solution (50% or less)	GTA	19	O	NA	III	A	No	N/A	No
Isoprene	IPR	30	O	A	III	A	No	N/A	.50-70(a), .50-81(a), (b)
Kraft pulping liquors (free alkali content 3% or more)(including: Black, Green, or White liquor)	KPL	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (c), (g)
Methyl diethanolamine	MDE	8	O	E	III	A	No	N/A	.56-1(b), (c)
2-Methyl-5-ethylpyridine	MEP	9	O	E	III	A	No	N/A	.55-1(e)
Morpholine	MPL	7 [2]	O	D	III	A	No	N/A	.55-1(c)
Polyethylene polyamines	PEB	7 [2]	O	E	III	A	No	N/A	.55-1(e)
iso-Propanolamine	MPA	8	O	E	III	A	No	N/A	.55-1(c)
Propanolamine (iso-, n-)	PAX	8	O	E	III	A	No	N/A	.56-1(b), (c)

*** *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 #: C2-0402884
Generated: 02-Nov-04

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **CCL 8**
Official #: D551982

Shipyard: Dravo Hull
Hull #: 6237

Cargo Identification						Conditions of Carriage			
							Vapor Recovery		
Name	Chem Code	Compat Group No.	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide)	SAP		O		III	A	No	N/A	.50-73, .55-1(j)
Sodium aluminate solution (45% or less)	SAU	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (b), (c)
Sodium chlorate solution (50% or less)	SDD	0 [1,2]	O	NA	III	A	No	N/A	.50-73
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 [1,2]	O	NA	III	A	No	N/A	.50-73, .55-1(b)
Styrene monomer	STY	30	O	D	III	A	No	N/A	.50-70(a), .50-81(a), (b)
Tetraethylenepentamine	TTP	7	O	E	III	A	No	N/A	.55-1(c)
Triethanolamine	TEA	8 [2]	O	E	III	A	No	N/A	.55-1(b)
Triethylenetetramine	TET	7 [2]	O	E	III	A	No	N/A	.55-1(b)
Triphenylborane (10% or less), caustic soda solution	TPB	5	O	NA	III	A	No	N/A	.56-1(a), (b), (c)
Trisodium phosphate solution	TSP	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (c)
Vanillin black liquor (free alkali content, 3% or more).	VBL	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (c), (g)
Vinyl acetate	VAM	13	O	C	III	A	No	N/A	.50-70(a), .50-81(a), (b)
Vinyl neodecanate	VND	13	O	E	III	A	No	N/A	.50-70(a), .50-81(a), (b)

Certificate of Inspection

Cargo Authority Attachment

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.
none	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 Carriag

Tank Group	The vessel's tank group (as defined in Section 4) 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.

Conditions of Carriag

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
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.

DHS, USCG, CG-1270 (REV. 01-23)

OMB APPROVED
1625-0027

UNITED STATES OF AMERICA

DEPARTMENT OF HOMELAND SECURITY
UNITED STATES COAST GUARD

NATIONAL VESSEL DOCUMENTATION CENTER

CERTIFICATE OF DOCUMENTATION

VESSEL NAME	OFFICIAL NUMBER	IMO OR OTHER NUMBER	YEAR COMPLETED
CCL 8	551982	6237	1974

HAILING PORT	HULL MATERIAL	MECHANICAL PROPULSION
NEW ORLEANS LA	STEEL	NO

GROSS TONNAGE	NET TONNAGE	LENGTH	BREADTH	DEPTH
773 GRT	773 NRT	195.0	35.1	10.0

PLACE BUILT

PITTSBURGH PA

OWNERS

CHEM CARRIERS LLC
COMPRISED OF 1 MEMBER

OPERATIONAL ENDORSEMENTS

COASTWISE

MANAGING OWNER

CHEM CARRIERS LLC
1237 HIGHWAY 75
SUNSHINE LA 70780

RESTRICTIONS

NONE

ENTITLEMENTS

NONE

REMARKS

NONE

ISSUE DATE

NOVEMBER 13, 2025

THIS CERTIFICATE EXPIRES

NOVEMBER 30, 2026

Christian D. Waddell

DIRECTOR, NATIONAL VESSEL DOCUMENTATION CENTER

PREVIOUS EDITION OBSOLETE, THIS CERTIFICATE MAY NOT BE ALTERED

T. T. BARGE SERVICES, LLC
MILE 237 CLEANING

5190 NORTH RIVER RD. PORT ALLEN, LA. 70767
OFFICE: (225) 267-4805 FAX: (225) 267-4870

MARINE VESSELS VAPOR TIGHTNESS DOCUMENTATION

REQUIRED SUBPART BB-NATIONAL EMISSION STANDARDS FOR BENZENE EMISSIONS FROM TRANSFER OPERATIONS SECTION 61.00-61.306

VESSEL: CCL-8

OFFICIAL NUMBER: 551982

TESTING LOCATION: T. T. Barge Mile 237

MAXIMUM LOADING RATE (BPH): 3500

TANK(S) TESTED: #11

PRESSURE INDICATOR: Cut Gage

VESSEL OWNER AND ADDRESS: Chem Carrier 1837 Highway 75 Sanchez LA

TEST RESULTS

TEST DATE: 3-28-25

BEGINNING PRESSURE: 28

BEGINNING TIME: 0900

ENDING PRESSURE: 28

ENDING TIME: 0930

TOTAL PRESSURE LOSS: 0

ALLOWABLE PRESSURE LOSS: 4.5

NOTE: VESSEL IS CONSIDERED VAPOR TIGHT IF "TOTAL PRESSURE LOSS" IS LESS THAN "ALLOWABLE PRESSURE LOSS"

THIS VESSEL HAS BEEN TESTED IN ACCORDANCE WITH SECTION 61.304F, AND IS CONSIDERED VAPOR TIGHT.

TESTER: Coy B. Womack (PRINT)

TESTER: Coy B. Womack (SIGN)

WITNESS: Matthew Sud (PRINT)

WITNESS: [signature] (SIGN)

T. T. Barge Mile 237
AFFILIATION OF WITNESS

CALCULATION OF ALLOWABLE PRESSURE LOSS:

0.851 X 15.1 (TP) X (3500 (L) / 10500 (V)) = 4.5 (APL)

TP = 14.7 PLUS THE BARGE TEST PRESSURE IN PSI (1 psi = ounces)
L = MAXIMUM LOADING RATE IN BARRELS PER HOUR
V = VOLUME OF TANK(S) IN BARRELS
APL = ALLOWABLE PRESSURE LOSS IN INCHES OF WATER

NOTES:
14.70 psi = 406.8 inches of H2O
1 psi = 27.67 inches of H2O
1 inch = 25.40 mm
1 inch = 2.54 cm
1 oz. = 1.729 inches of H2O

T.T. Barge Services
Mile 237, LLC

Specializing in Gas Freeing, Cleaning and Repairs
5190 North River Road, Port Allen, Louisiana 70767
Phone: (225) 473-8222 Fax: (225) 473-2199

Pipeline Test Letter

Date: 3-28-25

To Whom It May Concern:

The cargo pipeline and relief valve as required by 33CRH156.170, on tank barge # CCL-8 located at T.T. Barge Mile 237, was tested on 3-28-25 at 188psi.

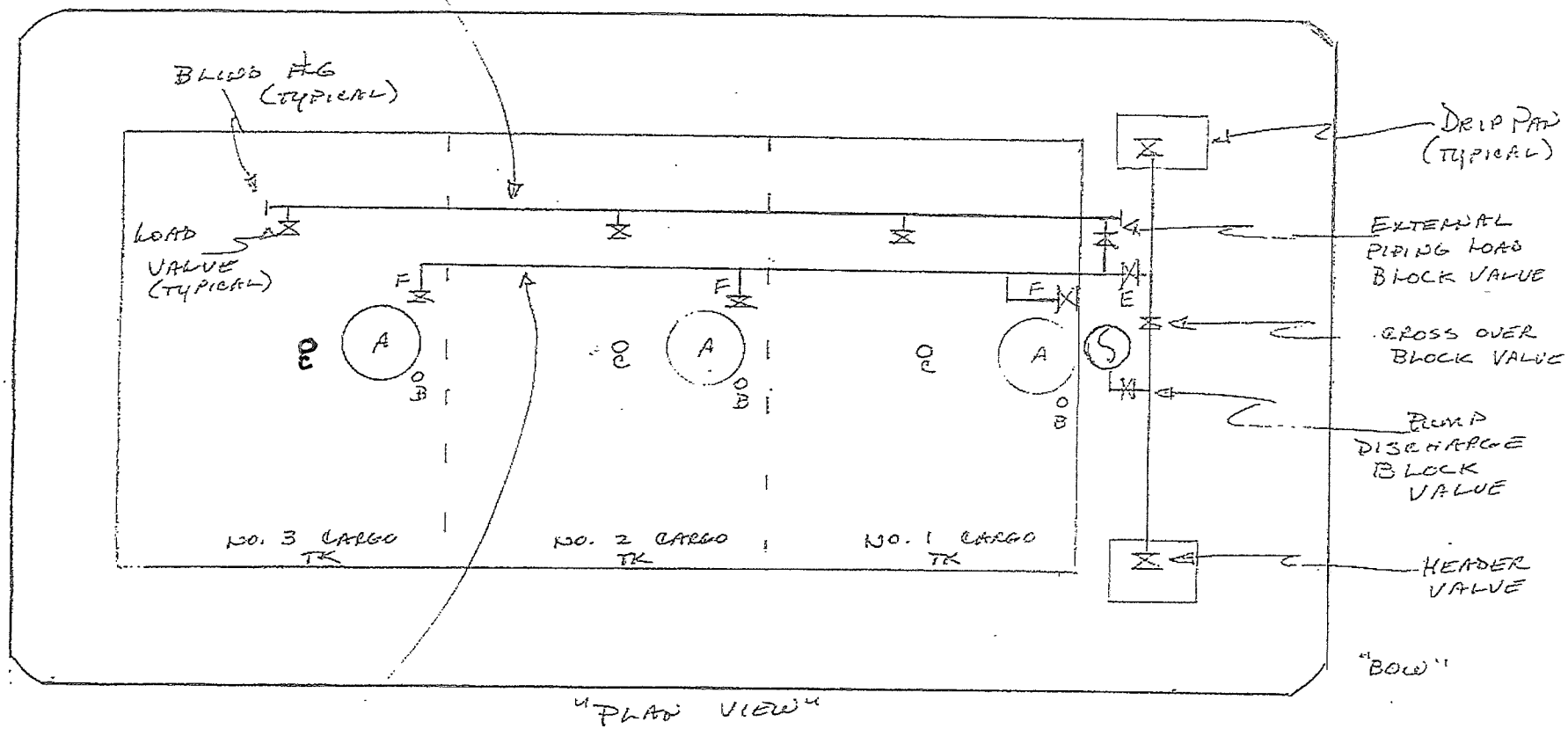
- Pressure gauge was found to be operating.
- The relief valve functioned as required.
- The steam piping system was tested at 185 psi.
- The steam system relief valve functioned as required.

Signature of Tester: Cole B. McDonald

CCL 8 PIPING SCHEMATIC

"NOT TO SCALE"

EXTERNAL PIPING - LOAD ONLY



INTERNAL LOAD/SUCTION LINE

A = ACCESS HATCH
B = RESTRICTED GAUGING
C = OPEN GAUGING

E = SUCTION BLOCK VALVE
F = CARGO SUCTION VALVE (TYPICAL)

U.S. COAST GUARD

National Pollution Funds Center

Click on the Document Icon to the left of a record to display a COFR Confirmation in html. You may print the COFR Confirmation by right clicking your mouse and selecting "print" from the list.

VESSEL NAME	VESSEL TYPE	HULL TYPE	GROSS TONNAGE	COFR NUMBER	EFFECTIVE DATE	EXPIRATION DATE	COFR APPLICANT	VIN	INSURANCE CANCEL FLAG
CCL 8	TANKBARGE D		773	841310 - 21	9/27/2022	9/27/2025	CHEM CARRIERS, L.L.C	D551982	

< Prev Next >

Version 3.7 -- This version is designed for Internet Explorer, Edge, Chrome, Firefox and Safari.

CARGO TRANSFER PROCEDURES

CHEM CARRIERS L.L.C.

TRANSFER FROM BARGE TO DOCK

PARTS

PARTS 1. PRODUCTS TRANSFERRED

33 CFR 155.750 (a) (1) (i)

This vessel is certificated for the carriage of grades "A" and lower Sub-Chapter (D) and (O) Products. Reference Certificate of Inspection.

PARTS 2. DESCRIPTION OF CARGO TRANSFER SYSTEM

33 CFR 155.750 (a) (2) (i) (ii)

The standard cargo transfer procedures apply to all Chem Carrier L.L.C. owned or leased tank barges. In most cases other than series built barges, the cargo piping arrangement is usually slightly different on every barge, and for this reason, the piping diagram must be studied before loading or discharging a barge. The basic concept for loading and discharging is fairly standard depending on the location of the pump.

A. (Reference the piping diagram for transfer system arrangement.)

B. PROCEDURES FOR THE CONTAINMENT SYSTEM
33 CFR 155.310 (a) (1) (iv)
33 CFR 155.750 (a) (2) (iii)

1). The containment pans are equipped with a drain for the removal of slops to shore facilities:

NEVER DRAIN THE CONTAINMENT TANKS ONTO THE DECK.

PARTS 3. PERSONS ON DUTY DURING TRANSFER

33 CFR 155.750 (a) (3)

Number of persons required being on duty during transfer operations:

A. At no time during the transfer operation will be less than one responsible person on duty. The certified tankerman assigned shall be in charge and responsible for the safe transfer of cargo.

PARTS 4. PERSONS IN CHARGE

The tankerman (person in charge) is responsible for transferring cargo and carrying out related operations on board in an efficient, safe, and pollution free manner. The tankerman whether employed by the towboat, owner, operator, a shore tankerman service, or Chem Carriers L.L.C., shall comply with all Coast Guard, State and local regulations. Tankerman's responsibility shall include but not be limited to the following:

A. To have on his/her person a valid merchant marine document endorsed as tankerman, certified to handle the grade of cargo to be transferred.

B. Make a thorough inspection of the barge prior to the start of transfer operation.

C. To have proper connection of the grounding cable.

D. The vessel's moorings are adequate to hold during all expected conditions of surge, current, wind, tide, ect., and lines are long enough to allow for surge, tide, wind, changes in draft ect.

E. Proper hose sizes, lengths, support, and connections.

F. The condition of fire extinguishers and required number.

F. The person in charge of transfer operations on the transferring vessel or facility and the person in charge of transferring operations on the receiving vessel or facility agree to begin the transfer operations.

H. The transfer operation between tank barges and dock facilities should be lighted between sunset and sunrise to comply with the U. S. Coast Guard regulation pertaining to the displaying of lights on barges as required by Title 33.

PARTS 5: EMERGENCY SHUTDOWN

33 CFR 155.750 (a) (6)

THE EMERGENCY SHUTDOWN IS LOCATED NEAR THE CENTER OF THE BARGE.

A. In the event of an emergency, transfer operations can be stopped by pulling the remote shutdown cable.

B. Familiarize yourself with its location and operation prior to transfer.

PARTS 6; TOPPING OFF PROCEDURES

33 CFR 155.750 (a) (7)

In the process of topping off, tanks should be loaded at different levels to top off one at a time. Extra care should be taken to avoid over pressuring the connections, and hoses by closing valves against the receiving line. Since barges and facilities vary in their systems, no standard for topping off exist, but the following should be considered:

A. The closing of one tank increases the rate of flow to other tanks on the same line.

B. Always consider temperature and cargo in accordance with the amount of expansion that should be allowed.

C. Always maintain communications with dock or shore personnel.

D. CCL 8 is equipped with an overhead load line with (1) load valve(s) for each cargo tank. This line is intended for use in the caustic soda trade to load over frozen sumps.

PARTS 7: COMPLETION OF TRANSFER

33 CFR 155.750 (a) (8)

Upon the completion of the transfer all pipelines should be vented and drained into cargo tanks. The header valve used during the operation should than be closed, sealed off with a blind flange and shore personnel should seal lines and hatches on vessel.

PARTS 8: REPORTING CARGO SPILLS

33 CFR 155.750 (a) (9)

Should an accidental discharge of product occur, you should consider the following:

A. Locate the source of the spill and try to stop it, if possible, and safe to do so.
B. Make an attempt to contain the product if possible.
C. Notify the Coast Guard. The national Response Center at 1-800-424-9300.
D. Notify Chem Carriers L.L.C. at (225) 642-0060

E. If loading, transfer the cargo from the leaking tank to an adjacent tank or back to the dock if safe to do so.
F. If discharging, pump the product from the leaking tank as quickly as possible if safe to do so.

***When reporting a spill, the tankerman should provide the following information:**

A. Name (his or her)
B. Name of Company: (employed by;
(contracted by;

C. Name of Barge.
D. Spill Location
E. Specify Product.
F. Estimate Quantity of Spill
G. Weather, Tide, Sea and Current Conditions.
H. Cause of Spill.
I. Action Being Taken to Contain and Stop Spill

PART 9 CLOSURES ON VESSELS

Upon completion of cargo transfer operations, all tank hatch covers, ullage covers, and gauging device covers shall be dogged down and secured securing all holes with bolts and nuts . In addition, the vent drain valves, if installed, should be secured and left in the proper position. All drain valves should be closed, and drip pan covers, if installed, should be made up tight. Covers for void spaces, bow and stern compartments shall be secured at all times and checked for tightness. Closing devices on clean-out hatches and clean-out opening should be checked, especially when the barge is loaded.

PART 10 PRODUCT DATA

See specific MSDS sheets provided with these procedures.

Incase of any other emergency, immediately shut down and notify the transferring facility, and Chem Carriers L.L.C.

(225) 642-0060 24 Hour Line.

U.S. Department of Homeland Security
United States Coast Guard

Commanding Officer
United States Coast Guard
Marine Safety Center

US Coast Guard Stop 7430
2703 Martin Luther King Jr. Ave. SE
Washington, DC 20593-7430
Staff Symbol: MSC-5
Phone: (202) 795-6729
Email: securityplaninfo@uscg.mil

16710
VS-326893
December 3, 2024

Chem Carriers, LLC
Attn: Robert Banta
1237 Hwy 75
Sunshine, LA 70780
robert@chemcarriers.com

Subj: CHEM CARRIERS, LLC VESSELS
VESSEL SECURITY PLAN APPROVAL WITH AMENDMENTS

Ref: (a) Your correspondence dated November 6, 2024
(b) Title 33 Code of Federal Regulations (CFR) Part 104
(c) MSC Vessel Security Plan Approval letter dated October 16, 2024

Dear Mr. Banta:

We have conducted a review of the Vessel Security Plan (VSP) submitted with reference (a) in accordance with reference (b) and it is "**Approved**."

Your vessel must operate in compliance with this approved VSP and the requirements contained in reference (b). You are reminded to immediately report any deviation from this approved plan to the local Captain of the Port (COTP)/Officer in Charge, Marine Inspection (OCMI).

This approval will remain valid until five years from the date of reference (c) unless rescinded in writing by the local COTP/OCMI. You must review your plan annually and submit any amendments to this office for approval. Please ensure that a copy of the VSP is maintained on board the vessel if manned, or, if unmanned, at a suitable secure location so that it is readily available during an emergency or security incident. You shall make available to the Coast Guard, upon request, this letter, the VSP and any information related to the implementation of the VSP. Our Case Number for this plan is 326893. Please ensure that all future correspondence includes this Case Number.

Sincerely,

K. C. WILLIAMS
Lieutenant Commander, U.S. Coast Guard
Chief, Vessel Security Division
By direction

Enclosures: (1) List of Vessel Security Plan Amendments
(2) List of Vessels Covered

List of Vessels Covered

Vessel Name	Official Number (O.N.)
CCL-1	518612
CCL 2	510107
CCL-3	296363
CCL 4	512519
CCL-5	512520
CCL-6	530996
CCL7	551980
CCL 8	551982
CCL 9	551983
CCL 10	551979
CCL 11	551976
CCL 14	1164451
CCL 15	1164452
CCL 16	1164666
CCL 17	1166179
CCL 18	1168981
CCL 19	1168980
CCL 20	1191598
CCL 21	1191599
CCL 22	1191600
CCL 23	1191601
CCL 24	1196547
CCL 25	1196548
CCL 26	1203816
CCL 27	1203817
CCL 28	1212828
CCL 29	1212829
CCL 30	1305871
CCL 31	1305870
CCL 32	1305869
CCL 33	1305868
CCL 401	1216671
CCL 402	1219910
CCL 403	1231311
CCL 404	1231312
CCL 405	1236867
CCL 406	1236866
CCL 407	1246320
CCL 408	1246097
CCL 409	1246098
CCL 410	1255906
CCL 411	1255907
CCL 414-L	1262941
CCL 415-T	1262942

Vessel Name	Official Number (O.N.)
CCL 416-T	1264691
CCL 417 T	1298307
CCL 418-L	1306896
CCL 419-L	1306897
CCL 420-T	1348560
CCL 421-T	CG1843359
CCL 3202	1089031
HFL 413	1237482
HFL 415	1237483
HFL 435	1236563
HFL 605	1237484

FORM 11X17X18-8"

Chas. MARTIN Inspectors of Petroleum, Inc.

INDEPENDENT LICENSED INSPECTION
JAMES J. MULLIN, PRESIDENT

CCL-8

BARGE "~~TCB 308~~"

TWIN CITY BARGE & TOWING COMPANY

TANK NUMBER: 1

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

DRAVO HULL NO. 6237

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13FEET		14 FEET	
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0	* 771	0	11,615	0	22,457	0	33,272	0	44,107	0	54,951	0	65,795	0	76,638	0	87,482	0	98,326	0	109,128	0	118,647	0	128,152	0	137,657	0	143,796
1/4	996	1/4	11,841	1/4	22,683	1/4	33,497	1/4	44,333	1/4	55,177	1/4	66,021	1/4	76,864	1/4	87,708	1/4	98,552	1/4	109,339	1/4	118,845	1/4	128,350	1/4	137,855	1/4	
1/2	1,222	1/2	12,067	1/2	22,909	1/2	33,722	1/2	44,559	1/2	55,403	1/2	66,247	1/2	77,090	1/2	87,934	1/2	98,778	1/2	109,537	1/2	119,043	1/2	128,548	1/2	138,053	1/2	
3/4	1,448	3/4	12,292	3/4	23,135	3/4	33,947	3/4	44,785	3/4	55,629	3/4	66,472	3/4	77,316	3/4	88,160	3/4	99,004	3/4	109,735	3/4	119,241	3/4	128,746	3/4	138,251	3/4	
1	1,674	1	12,518	1	23,361	1	34,172	1	45,011	1	55,855	1	66,698	1	77,542	1	88,386	1	99,229	1	109,934	1	119,439	1	128,944	1	138,449	1	
1/4	1,900	1/4	12,744	1/4	23,586	1/4	34,397	1/4	45,237	1/4	56,081	1/4	66,924	1/4	77,768	1/4	88,612	1/4	99,455	1/4	110,132	1/4	119,637	1/4	129,142	1/4	138,647	1/4	
1/2	2,126	1/2	12,970	1/2	23,812	1/2	34,622	1/2	45,463	1/2	56,307	1/2	67,150	1/2	77,994	1/2	88,838	1/2	99,681	1/2	110,330	1/2	119,835	1/2	129,340	1/2	138,845	1/2	
3/4	2,352	3/4	13,196	3/4	24,038	3/4	34,847	3/4	45,689	3/4	56,532	3/4	67,376	3/4	78,220	3/4	89,063	3/4	99,907	3/4	110,528	3/4	120,033	3/4	129,538	3/4	139,043	3/4	
2	2,578	2	13,422	2	24,264	2	35,072	2	45,915	2	56,758	2	67,602	2	78,446	2	89,289	2	100,133	2	110,726	2	120,231	2	129,736	2	139,241	2	
1/4	2,804	1/4	13,648	1/4	24,490	1/4	35,297	1/4	46,141	1/4	56,984	1/4	67,828	1/4	78,672	1/4	89,515	1/4	100,359	1/4	110,924	1/4	120,429	1/4	129,934	1/4	139,440	1/4	
1/2	3,030	1/2	13,874	1/2	24,716	1/2	35,523	1/2	46,366	1/2	57,210	1/2	68,054	1/2	78,898	1/2	89,741	1/2	100,585	1/2	111,122	1/2	120,627	1/2	130,132	1/2	139,638	1/2	
3/4	3,256	3/4	14,100	3/4	24,942	3/4	35,749	3/4	46,592	3/4	57,436	3/4	68,280	3/4	79,123	3/4	89,967	3/4	100,811	3/4	111,320	3/4	120,825	3/4	130,330	3/4	139,836	3/4	
3	3,482	3	14,325	3	25,168	3	35,975	3	46,818	3	57,662	3	68,506	3	79,349	3	90,193	3	101,037	3	111,518	3	121,023	3	130,528	3	140,034	3	
1/4	3,708	1/4	14,551	1/4	25,393	1/4	36,201	1/4	47,044	1/4	57,888	1/4	68,732	1/4	79,575	1/4	90,419	1/4	101,263	1/4	111,716	1/4	121,221	1/4	130,726	1/4	140,232	1/4	
1/2	3,934	1/2	14,777	1/2	25,619	1/2	36,426	1/2	47,270	1/2	58,114	1/2	68,957	1/2	79,801	1/2	90,645	1/2	101,489	1/2	111,914	1/2	121,419	1/2	130,924	1/2	140,430	1/2	
3/4	4,160	3/4	15,003	3/4	25,845	3/4	36,652	3/4	47,496	3/4	58,340	3/4	69,183	3/4	80,027	3/4	90,871	3/4	101,714	3/4	112,112	3/4	121,617	3/4	131,122	3/4	140,616	3/4	
4	4,386	4	15,229	4	26,071	4	36,878	4	47,722	4	58,566	4	69,409	4	80,253	4	91,097	4	101,940	4	112,310	4	121,815	4	131,320	4	140,802	4	
1/4	4,612	1/4	15,455	1/4	26,297	1/4	37,104	1/4	47,948	1/4	58,792	1/4	69,635	1/4	80,479	1/4	91,323	1/4	102,166	1/4	112,508	1/4	122,013	1/4	131,518	1/4	140,989	1/4	
1/2	4,838	1/2	15,681	1/2	26,522	1/2	37,330	1/2	48,174	1/2	59,017	1/2	69,861	1/2	80,705	1/2	91,549	1/2	102,392	1/2	112,706	1/2	122,211	1/2	131,716	1/2	141,175	1/2	
3/4	5,064	3/4	15,907	3/4	26,747	3/4	37,556	3/4	48,400	3/4	59,243	3/4	70,087	3/4	80,931	3/4	91,774	3/4	102,618	3/4	112,904	3/4	122,409	3/4	131,915	3/4	141,338	3/4	
5	5,290	5	16,132	5	26,972	5	37,782	5	48,626	5	59,469	5	70,313	5	81,157	5	92,000	5	102,844	5	113,102	5	122,607	5	132,113	5	141,501	5	
1/4	5,516	1/4	16,358	1/4	27,197	1/4	38,008	1/4	48,851	1/4	59,695	1/4	70,539	1/4	81,383	1/4	92,226	1/4	103,070	1/4	113,300	1/4	122,805	1/4	132,311	1/4	141,664	1/4	
1/2	5,742	1/2	16,584	1/2	27,422	1/2	38,234	1/2	49,077	1/2	59,921	1/2	70,765	1/2	81,608	1/2	92,452	1/2	103,296	1/2	113,498	1/2	123,003	1/2	132,509	1/2	141,827	1/2	
3/4	5,968	3/4	16,810	3/4	27,647	3/4	38,460	3/4	49,303	3/4	60,147	3/4	70,991	3/4	81,834	3/4	92,678	3/4	103,522	3/4	113,696	3/4	123,201	3/4	132,707	3/4	141,967	3/4	
6	6,194	6	17,036	6	27,872	6	38,686	6	49,529	6	60,373	6	71,217	6	82,060	6	92,904	6	103,748	6	113,894	6	123,399	6	132,905	6	142,107	6	
1/4	6,420	1/4	17,262	1/4	28,097	1/4	38,911	1/4	49,755	1/4	60,599	1/4	71,443	1/4	82,286	1/4	93,130	1/4	103,974	1/4	114,092	1/4	123,597	1/4	133,103	1/4	142,247	1/4	
1/2	6,645	1/2	17,488	1/2	28,322	1/2	39,137	1/2	49,981	1/2	60,825	1/2	71,668	1/2	82,512	1/2	93,356	1/2	104,199	1/2	114,290	1/2	123,795	1/2	133,301	1/2	142,387	1/2	
3/4	6,871	3/4	17,714	3/4	28,547	3/4	39,363	3/4	50,207	3/4	61,051	3/4	71,894	3/4	82,738	3/4	93,582	3/4	104,425	3/4	114,488	3/4	123,993	3/4	133,499	3/4	142,503	3/4	
7	7,097	7	17,939	7	28,772	7	39,589	7	50,433	7	61,277	7	72,120	7	82,964	7	93,808	7	104,651	7	114,686	7	124,191	7	133,697	7	142,620	7	
1/4	7,323	1/4	18,165	1/4	28,997	1/4	39,815	1/4	50,659	1/4	61,502	1/4	72,346	1/4	83,190	1/4	94,034	1/4	104,877	1/4	114,884	1/4	124,389	1/4	133,895	1/4	142,736	1/4	
1/2	7,549	1/2	18,391	1/2	29,222	1/2	40,041	1/2	50,885	1/2	61,728	1/2	72,572	1/2	83,416	1/2	94,259	1/2	105,103	1/2	115,082	1/2	124,588	1/2	134,093	1/2	142,853	1/2	
3/4	7,775	3/4	18,617	3/4	29,447	3/4	40,267	3/4	51,111	3/4	61,954	3/4	72,798	3/4	83,642	3/4	94,485	3/4	105,329	3/4	115,280	3/4	124,786	3/4	134,291	3/4	142,946	3/4	
8	8,001	8	18,843	8	29,672	8	40,493	8	51,337	8	62,180	8	73,024	8	83,868	8	94,711	8	105,555	8	115,478	8	124,984	8	134,489	8	143,039	8	
1/4	8,227	1/4	19,069	1/4	29,897	1/4	40,719	1/4	51,562	1/4	62,406	1/4	73,250	1/4	84,093	1/4	94,937	1/4	105,781	1/4	115,676	1/4	125,182	1/4	134,687	1/4	143,132	1/4	
1/2	8,453	1/2	19,295	1/2	30,122	1/2	40,945	1/2	51,788	1/2	62,632	1/2	73,476	1/2	84,319	1/2	95,163	1/2	106,007	1/2	115,874	1/2	125,380	1/2	134,885	1/2	143,225	1/2	
3/4	8,678	3/4	19,521	3/4	30,347	3/4	41,171	3/4	52,014	3/4	62,858	3/4	73,702	3/4	84,545	3/4	95,389	3/4	106,233	3/4	116,072	3/4	125,578	3/4	135,083	3/4	143,295	3/4	
9	8,904	9	19,747	9	30,572	9	41,396	9	52,240	9	63,084	9	73,928	9	84,771	9	95,615	9	106,459	9	116,270	9	125,776	9	135,281	9	143,365	9	
1/4	9,130	1/4	19,972	1/4	30,797	1/4	41,622	1/4	52,466	1/4	63,310	1/4	74,153	1/4	84,997	1/4	95,841	1/4	106,684	1/4	116,468	1/4	125,974	1/4	135,479	1/4	143,435	1/4	
1/2	9,356	1/2	20,198	1/2	31,022	1/2	41,848	1/2	52,692	1/2	63,536	1/2	74,379	1/2	85,223	1/2	96,067	1/2	106,910	1/2	116,666	1/2	126,172	1/2	135,677	1/2	143,505	1/2	
3/4	9,582	3/4	20,424	3/4	31,247	3/4	42,074	3/4	52,918	3/4	63,762	3/4	74,605	3/4	85,449	3/4	96,293	3/4	107,136	3/4	116,864	3/4	126,370	3/4	135,875	3/4	143,551	3/4	
10	9,808	10	20,650	10	31,472	10	42,300	10	53,144	10	63,987	10	74,831	10	85,675	10	96,519	10	107,362	10	117,062	10	126,568	10	136,073	10	143,598	10	
1/4	10,034	1/4	20,876	1/4	31,697	1/4	42,526	1/4	53,370	1/4	64,213	1/4	75,057	1/4	85,901	1/4	96,744	1/4	107,588	1/4	117,261	1/4	126,766	1/4	136,271	1/4	143,645	1/4	
1/2	10,260	1/2	21,102	1/2	31,922	1/2	42,752	1/2	53,596	1/2	64,439	1/2	75,283	1/2	86,127	1/2	96,970	1/2	107,814	1/2	117,459	1/2	126,964	1/2	136,469	1/2	143,691	1/2	
3/4	10,485	3/4	21,328	3/4	32,147	3/4	42,978	3/4	53,822	3/4	64,665	3/4	75,509	3/4	86,353	3/4	97,196	3/4	108,040	3/4	117,657	3/4	127,162	3/4	136,667	3/4	143,714	3/4	
11	10,711	11	21,554	11	32,372	11	43,204	11	54,047	11	64,891	11	75,735	11	86,578	11	97,422	11	108,266	11	117,855	11	127,360	11	136,865	11	143,738	11	
1/4	10,937	1/4	21,779	1/4	32,597	1/4	43,430	1/4	54,273	1/4	65,117	1/4	75,961	1/4	86,804	1/4	97,648	1/4	108,492	1/4	118,053	1/4	127,558	1/4	137,063	1/4	143,761	1/4	
1/2	11,163	1/2	22,005	1/2	32,822	1/2	43,656	1/2	54,499	1/2	65,343	1/2	76,187	1/2	87,030	1/2	97,874	1/2	108,704	1/2	118,251	1/2	127,756	1/2	137,261	1/2	143,784	1/2	
3/4	11,389	3/4	22,231	3/4	33,047	3/4	43,881	3/4	54,725	3/4	65,569	3/4	76,413	3/4	87,256	3/4	98,100	3/4	108,916	3/4	118,449	3/4	127,954	3/4	137,459	3/4	143,790	3/4	

CAPACITY IN U. S. GALLONS

*CAPACITY BELOW STRIKE PLATE.

GAUGE HEIGHT: 14'-11 1/4" (RIM OF STANDPIPE, HINGE SIDE)

STRAPPED FEBRUARY 15, 1974

J. E. Painton

FORM 11X17X15'-6"

Chas. MARTIN Inspectors of Petroleum, Inc.

INDEPENDENT LICENSED INSPECTION
JAMES J. HULLIN, PRESIDENT

CCL-8

BARGE "~~TCB 308~~"

TWIN CITY BARGE & TOWING COMPANY

TANK NUMBER: 2

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

DRAVO HULL NO. 6237

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13FEET		14 FEET	
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0	* 546	0	11,432	0	22,318	0	33,179	0	44,057	0	54,944	0	65,831	0	76,717	0	87,604	0	98,491	0	109,378	0	120,265	0	131,152	0	142,039	0	149,510
1/4	773	1/4	11,659	1/4	22,545	1/4	33,404	1/4	44,284	1/4	55,170	1/4	66,057	1/4	76,944	1/4	87,831	1/4	98,718	1/4	109,605	1/4	120,492	1/4	131,378	1/4	142,265	1/4	149,516
1/2	1,000	1/2	11,886	1/2	22,771	1/2	33,630	1/2	44,510	1/2	55,397	1/2	66,284	1/2	77,171	1/2	88,058	1/2	98,945	1/2	109,832	1/2	120,718	1/2	131,605	1/2	142,492	1/2	149,523
3/4	1,227	3/4	12,112	3/4	22,998	3/4	33,856	3/4	44,737	3/4	55,624	3/4	66,511	3/4	77,398	3/4	88,285	3/4	99,172	3/4	110,058	3/4	120,945	3/4	131,832	3/4	142,719	3/4	
1	1,453	1	12,339	1	23,225	1	34,082	1	44,964	1	55,851	1	66,738	1	77,625	1	88,511	1	99,398	1	110,285	1	121,172	1	132,059	1	142,946	1	
1/4	1,680	1/4	12,566	1/4	23,452	1/4	34,308	1/4	45,191	1/4	56,078	1/4	66,965	1/4	77,851	1/4	88,738	1/4	99,625	1/4	110,512	1/4	121,399	1/4	132,286	1/4	143,173	1/4	
1/2	1,907	1/2	12,793	1/2	23,679	1/2	34,534	1/2	45,418	1/2	56,305	1/2	67,191	1/2	78,078	1/2	88,965	1/2	99,852	1/2	110,739	1/2	121,626	1/2	132,513	1/2	143,399	1/2	
3/4	2,134	3/4	13,019	3/4	23,905	3/4	34,760	3/4	45,644	3/4	56,531	3/4	67,418	3/4	78,305	3/4	89,192	3/4	100,079	3/4	110,966	3/4	121,852	3/4	132,739	3/4	143,626	3/4	
2	2,360	2	13,246	2	24,132	2	34,986	2	45,871	2	56,758	2	67,645	2	78,532	2	89,419	2	100,306	2	111,192	2	122,079	2	132,966	2	143,853	2	
1/4	2,587	1/4	13,473	1/4	24,359	1/4	35,212	1/4	46,098	1/4	56,985	1/4	67,872	1/4	78,759	1/4	89,646	1/4	100,532	1/4	111,419	1/4	122,306	1/4	133,193	1/4	144,080	1/4	
1/2	2,814	1/2	13,700	1/2	24,586	1/2	35,438	1/2	46,325	1/2	57,212	1/2	68,099	1/2	78,985	1/2	89,872	1/2	100,759	1/2	111,646	1/2	122,533	1/2	133,420	1/2	144,307	1/2	
3/4	3,041	3/4	13,927	3/4	24,812	3/4	35,665	3/4	46,552	3/4	57,439	3/4	68,325	3/4	79,212	3/4	90,099	3/4	100,986	3/4	111,873	3/4	122,760	3/4	133,647	3/4	144,533	3/4	
3	3,268	3	14,153	3	25,039	3	35,892	3	46,779	3	57,665	3	68,552	3	79,439	3	90,326	3	101,213	3	112,100	3	122,987	3	133,873	3	144,760	3	
1/4	3,494	1/4	14,380	1/4	25,266	1/4	36,118	1/4	47,005	1/4	57,892	1/4	68,779	1/4	79,666	1/4	90,553	1/4	101,440	1/4	112,326	1/4	123,213	1/4	134,100	1/4	144,987	1/4	
1/2	3,721	1/2	14,607	1/2	25,493	1/2	36,345	1/2	47,232	1/2	58,119	1/2	69,006	1/2	79,893	1/2	90,780	1/2	101,666	1/2	112,553	1/2	123,440	1/2	134,327	1/2	145,214	1/2	
3/4	3,948	3/4	14,834	3/4	25,720	3/4	36,572	3/4	47,459	3/4	58,346	3/4	69,233	3/4	80,120	3/4	91,006	3/4	101,893	3/4	112,780	3/4	123,667	3/4	134,554	3/4	145,441	3/4	
4	4,175	4	15,061	4	25,946	4	36,799	4	47,686	4	58,573	4	69,459	4	80,346	4	91,233	4	102,120	4	113,007	4	123,894	4	134,781	4	145,667	4	
1/4	4,402	1/4	15,287	1/4	26,173	1/4	37,026	1/4	47,913	1/4	58,799	1/4	69,686	1/4	80,573	1/4	91,460	1/4	102,347	1/4	113,234	1/4	124,121	1/4	135,007	1/4	145,881	1/4	
1/2	4,628	1/2	15,514	1/2	26,400	1/2	37,253	1/2	48,139	1/2	59,026	1/2	69,913	1/2	80,800	1/2	91,687	1/2	102,574	1/2	113,461	1/2	124,347	1/2	135,234	1/2	146,094	1/2	
3/4	4,855	3/4	15,741	3/4	26,626	3/4	37,479	3/4	48,366	3/4	59,253	3/4	70,140	3/4	81,027	3/4	91,914	3/4	102,800	3/4	113,687	3/4	124,574	3/4	135,461	3/4	146,308	3/4	
5	5,082	5	15,968	5	26,852	5	37,706	5	48,593	5	59,480	5	70,367	5	81,254	5	92,140	5	103,027	5	113,914	5	124,801	5	135,688	5	146,521	5	
1/4	5,309	1/4	16,195	1/4	27,078	1/4	37,933	1/4	48,820	1/4	59,707	1/4	70,594	1/4	81,480	1/4	92,367	1/4	103,254	1/4	114,141	1/4	125,028	1/4	135,915	1/4	146,708	1/4	
1/2	5,535	1/2	16,421	1/2	27,304	1/2	38,160	1/2	49,047	1/2	59,933	1/2	70,820	1/2	81,707	1/2	92,594	1/2	103,481	1/2	114,368	1/2	125,255	1/2	136,141	1/2	146,895	1/2	
3/4	5,762	3/4	16,648	3/4	27,530	3/4	38,387	3/4	49,273	3/4	60,160	3/4	71,047	3/4	81,934	3/4	92,821	3/4	103,708	3/4	114,595	3/4	125,481	3/4	136,368	3/4	147,082	3/4	
6	5,989	6	16,875	6	27,756	6	38,613	6	49,500	6	60,387	6	71,274	6	82,161	6	93,048	6	103,935	6	114,821	6	125,708	6	136,595	6	147,268	6	
1/4	6,216	1/4	17,102	1/4	27,982	1/4	38,840	1/4	49,727	1/4	60,614	1/4	71,501	1/4	82,388	1/4	93,274	1/4	104,161	1/4	115,048	1/4	125,935	1/4	136,822	1/4	147,429	1/4	
1/2	6,443	1/2	17,328	1/2	28,208	1/2	39,067	1/2	49,954	1/2	60,841	1/2	71,728	1/2	82,614	1/2	93,501	1/2	104,388	1/2	115,275	1/2	126,162	1/2	137,049	1/2	147,589	1/2	
3/4	6,669	3/4	17,555	3/4	28,434	3/4	39,294	3/4	50,181	3/4	61,068	3/4	71,954	3/4	82,841	3/4	93,728	3/4	104,615	3/4	115,502	3/4	126,389	3/4	137,276	3/4	147,749	3/4	
7	6,896	7	17,782	7	28,659	7	39,521	7	50,407	7	61,294	7	72,181	7	83,068	7	93,955	7	104,842	7	115,729	7	126,615	7	137,502	7	147,909	7	
1/4	7,123	1/4	18,009	1/4	28,885	1/4	39,747	1/4	50,634	1/4	61,521	1/4	72,408	1/4	83,295	1/4	94,182	1/4	105,069	1/4	115,955	1/4	126,842	1/4	137,729	1/4	148,042	1/4	
1/2	7,350	1/2	18,236	1/2	29,111	1/2	39,974	1/2	50,861	1/2	61,748	1/2	72,635	1/2	83,522	1/2	94,409	1/2	105,295	1/2	116,182	1/2	127,069	1/2	137,956	1/2	148,176	1/2	
3/4	7,577	3/4	18,462	3/4	29,337	3/4	40,201	3/4	51,088	3/4	61,975	3/4	72,862	3/4	83,748	3/4	94,635	3/4	105,522	3/4	116,409	3/4	127,296	3/4	138,183	3/4	148,309	3/4	
8	7,803	8	18,689	8	29,563	8	40,428	8	51,315	8	62,202	8	73,088	8	83,975	8	94,862	8	105,749	8	116,636	8	127,523	8	138,410	8	148,443	8	
1/4	8,030	1/4	18,916	1/4	29,789	1/4	40,655	1/4	51,542	1/4	62,428	1/4	73,315	1/4	84,202	1/4	95,089	1/4	105,976	1/4	116,863	1/4	127,750	1/4	138,636	1/4	148,549	1/4	
1/2	8,257	1/2	19,143	1/2	30,015	1/2	40,881	1/2	51,768	1/2	62,655	1/2	73,542	1/2	84,429	1/2	95,316	1/2	106,203	1/2	117,089	1/2	127,976	1/2	138,863	1/2	148,656	1/2	
3/4	8,484	3/4	19,370	3/4	30,241	3/4	41,108	3/4	51,995	3/4	62,882	3/4	73,769	3/4	84,656	3/4	95,543	3/4	106,429	3/4	117,316	3/4	128,203	3/4	139,090	3/4	148,763	3/4	
9	8,711	9	19,596	9	30,467	9	41,335	9	52,222	9	63,109	9	73,996	9	84,883	9	95,769	9	106,656	9	117,543	9	128,430	9	139,317	9	148,869	9	
1/4	8,937	1/4	19,823	1/4	30,693	1/4	41,562	1/4	52,449	1/4	63,336	1/4	74,222	1/4	85,109	1/4	95,996	1/4	106,883	1/4	117,770	1/4	128,657	1/4	139,544	1/4	148,950	1/4	
1/2	9,164	1/2	20,050	1/2	30,919	1/2	41,789	1/2	52,676	1/2	63,562	1/2	74,449	1/2	85,336	1/2	96,223	1/2	107,110	1/2	117,997	1/2	128,884	1/2	139,770	1/2	149,030	1/2	
3/4	9,391	3/4	20,277	3/4	31,145	3/4	42,016	3/4	52,902	3/4	63,789	3/4	74,676	3/4	85,563	3/4	96,450	3/4	107,337	3/4	118,224	3/4	129,110	3/4	139,997	3/4	149,110	3/4	
10	9,618	10	20,503	10	31,371	10	42,242	10	53,129	10	64,016	10	74,903	10	85,790	10	96,677	10	107,563	10	118,450	10	129,337	10	140,224	10	149,190	10	
1/4	9,844	1/4	20,730	1/4	31,597	1/4	42,469	1/4	53,356	1/4	64,243	1/4	75,130	1/4	86,017	1/4	96,903	1/4	107,790	1/4	118,677	1/4	129,564	1/4	140,451	1/4	149,243	1/4	
1/2	10,071	1/2	20,957	1/2	31,823	1/2	42,696	1/2	53,583	1/2	64,470	1/2	75,357	1/2	86,243	1/2	97,130	1/2	108,017	1/2	118,904	1/2	129,791	1/2	140,678	1/2	149,296	1/2	
3/4	10,298	3/4	21,184	3/4	32,049	3/4	42,923	3/4	53,810	3/4	64,696	3/4	75,583	3/4	86,470	3/4	97,357	3/4	108,244	3/4	119,131	3/4	130,018	3/4	140,904	3/4	149,350	3/4	
11	10,525	11	21,411	11	32,275	11	43,150	11	54,036	11	64,923	11	75,810	11	86,697	11	97,584	11	108,471	11	119,358	11	130,244	11	141,131	11	149,403	11	
1/4	10,752	1/4	21,637	1/4	32,501	1/4	43,376	1/4	54,263	1/4	65,150	1/4	76,037	1/4	86,924	1/4	97,811	1/4	108,698	1/4	119,584	1/4	130,471	1/4	141,358	1/4	149,430	1/4	
1/2	10,978	1/2	21,864	1/2	32,727	1/2	43,603	1/2	54,490	1/2	65,377	1/2	76,264	1/2	87,151	1/2	98,037	1/2	108,924	1/2	119,811	1/2	130,698	1/2	141,585	1/2	149,456	1/2	
3/4	11,205	3/4	22,091	3/4	32,953	3/4	43,830	3/4	54,717	3/4	65,604	3/4	76,491	3/4	87,377	3/4	98,264	3/4	109,151	3/4	120,038	3/4	130,925	3/4	141,812	3/4	149,483	3/4	

CAPACITY IN U. S. GALLONS

*CAPACITY BELOW STRIKE PLATE.

GAUGE HEIGHT: 15'-0 1/4" (RIM OF STANDPIPE, HINGE SIDE)

STRAPPED FEBRUARY 15, 1974

BY J. E. Lainton

FORM 11X17X18-6"

Chas. MARTIN Inspectors of Petroleum, Inc.

INDEPENDENT LICENSED INSPECTION
JAMES J. MULLIN, PRESIDENT

CCL-8

BARGE "~~TCB 308~~"

TWIN CITY BARGE & TOWING COMPANY

TANK NUMBER: 3

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

DRAVO HULL NO. 6237

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET		FEET
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.
0	* 998	0	11,858	0	22,719	0	33,579	0	44,441	0	55,302	0	66,164	0	77,026	0	87,888	0	98,750	0	109,611	0	120,327	0	130,683	0	140,710	0
1/4	1,224	1/4	12,085	1/4	22,945	1/4	33,805	1/4	44,667	1/4	55,529	1/4	66,390	1/4	77,252	1/4	88,114	1/4	98,976	1/4	109,838	1/4	120,547	1/4	130,895	1/4	140,917	1/4
1/2	1,450	1/2	12,311	1/2	23,172	1/2	34,032	1/2	44,893	1/2	55,755	1/2	66,617	1/2	77,479	1/2	88,340	1/2	99,202	1/2	110,064	1/2	120,767	1/2	131,107	1/2	141,125	1/2
3/4	1,676	3/4	12,537	3/4	23,398	3/4	34,258	3/4	45,119	3/4	55,981	3/4	66,843	3/4	77,705	3/4	88,567	3/4	99,428	3/4	110,290	3/4	120,987	3/4	131,319	3/4	141,332	3/4
1	1,903	1	12,763	1	23,624	1	34,484	1	45,346	1	56,208	1	67,069	1	77,931	1	88,793	1	99,655	1	110,517	1	121,207	1	131,532	1	141,540	1
1/4	2,129	1/4	12,990	1/4	23,851	1/4	34,710	1/4	45,572	1/4	56,434	1/4	67,296	1/4	78,157	1/4	89,019	1/4	99,881	1/4	110,743	1/4	121,427	1/4	131,744	1/4	141,748	1/4
1/2	2,355	1/2	13,216	1/2	24,077	1/2	34,937	1/2	45,798	1/2	56,660	1/2	67,522	1/2	78,384	1/2	89,246	1/2	100,107	1/2	110,969	1/2	121,647	1/2	131,956	1/2	141,955	1/2
3/4	2,581	3/4	13,442	3/4	24,303	3/4	35,163	3/4	46,025	3/4	56,886	3/4	67,748	3/4	78,610	3/4	89,472	3/4	100,334	3/4	111,194	3/4	121,864	3/4	132,166	3/4	142,163	3/4
2	2,808	2	13,669	2	24,529	2	35,389	2	46,251	2	57,113	2	67,974	2	78,836	2	89,698	2	100,560	2	111,419	2	122,081	2	132,375	2	142,370	2
1/4	3,034	1/4	13,895	1/4	24,756	1/4	35,615	1/4	46,477	1/4	57,339	1/4	68,201	1/4	79,063	1/4	89,924	1/4	100,786	1/4	111,644	1/4	122,299	1/4	132,585	1/4	142,578	1/4
1/2	3,260	1/2	14,121	1/2	24,982	1/2	35,842	1/2	46,703	1/2	57,565	1/2	68,427	1/2	79,289	1/2	90,151	1/2	101,013	1/2	111,869	1/2	122,516	1/2	132,795	1/2	142,786	1/2
3/4	3,487	3/4	14,347	3/4	25,208	3/4	36,068	3/4	46,930	3/4	57,792	3/4	68,653	3/4	79,515	3/4	90,377	3/4	101,239	3/4	112,094	3/4	122,733	3/4	133,004	3/4	142,993	3/4
3	3,713	3	14,574	3	25,434	3	36,294	3	47,156	3	58,018	3	68,880	3	79,741	3	90,603	3	101,465	3	112,319	3	122,951	3	133,214	3	143,201	3
1/4	3,939	1/4	14,800	1/4	25,661	1/4	36,520	1/4	47,382	1/4	58,244	1/4	69,106	1/4	79,968	1/4	90,830	1/4	101,691	1/4	112,544	1/4	123,168	1/4	133,424	1/4	143,408	1/4
1/2	4,165	1/2	15,026	1/2	25,887	1/2	36,747	1/2	47,609	1/2	58,470	1/2	69,332	1/2	80,194	1/2	91,056	1/2	101,918	1/2	112,769	1/2	123,385	1/2	133,633	1/2	143,604	1/2
3/4	4,392	3/4	15,252	3/4	26,113	3/4	36,973	3/4	47,835	3/4	58,697	3/4	69,559	3/4	80,420	3/4	91,282	3/4	102,144	3/4	112,994	3/4	123,603	3/4	133,843	3/4	143,799	3/4
4	4,618	4	15,479	4	26,339	4	37,199	4	48,061	4	58,923	4	69,785	4	80,647	4	91,508	4	102,370	4	113,219	4	123,820	4	134,053	4	143,994	4
1/4	4,844	1/4	15,705	1/4	26,566	1/4	37,426	1/4	48,287	1/4	59,149	1/4	70,011	1/4	80,873	1/4	91,735	1/4	102,597	1/4	113,444	1/4	124,037	1/4	134,262	1/4	144,190	1/4
1/2	5,070	1/2	15,931	1/2	26,792	1/2	37,652	1/2	48,514	1/2	59,376	1/2	70,237	1/2	81,099	1/2	91,961	1/2	102,823	1/2	113,669	1/2	124,255	1/2	134,472	1/2	144,361	1/2
3/4	5,297	3/4	16,157	3/4	27,018	3/4	37,878	3/4	48,740	3/4	59,602	3/4	70,464	3/4	81,325	3/4	92,187	3/4	103,049	3/4	113,894	3/4	124,472	3/4	134,682	3/4	144,532	3/4
5	5,523	5	16,384	5	27,244	5	38,105	5	48,966	5	59,828	5	70,690	5	81,552	5	92,414	5	103,275	5	114,119	5	124,689	5	134,891	5	144,703	5
1/4	5,749	1/4	16,610	1/4	27,471	1/4	38,331	1/4	49,193	1/4	60,054	1/4	70,916	1/4	81,778	1/4	92,640	1/4	103,502	1/4	114,344	1/4	124,907	1/4	135,101	1/4	144,874	1/4
1/2	5,975	1/2	16,836	1/2	27,697	1/2	38,557	1/2	49,419	1/2	60,281	1/2	71,143	1/2	82,004	1/2	92,866	1/2	103,728	1/2	114,569	1/2	125,124	1/2	135,311	1/2	145,020	1/2
3/4	6,202	3/4	17,063	3/4	27,923	3/4	38,783	3/4	49,645	3/4	60,507	3/4	71,369	3/4	82,231	3/4	93,092	3/4	103,954	3/4	114,792	3/4	125,339	3/4	135,519	3/4	145,167	3/4
6	6,428	6	17,289	6	28,149	6	39,010	6	49,871	6	60,733	6	71,595	6	82,457	6	93,319	6	104,181	6	115,014	6	125,554	6	135,727	6	145,313	6
1/4	6,654	1/4	17,515	1/4	28,376	1/4	39,236	1/4	50,098	1/4	60,960	1/4	71,821	1/4	82,683	1/4	93,545	1/4	104,407	1/4	115,237	1/4	125,768	1/4	135,935	1/4	145,460	1/4
1/2	6,881	1/2	17,741	1/2	28,602	1/2	39,462	1/2	50,324	1/2	61,186	1/2	72,048	1/2	82,909	1/2	93,771	1/2	104,633	1/2	115,459	1/2	125,983	1/2	136,143	1/2	145,582	1/2
3/4	7,107	3/4	17,968	3/4	28,828	3/4	39,689	3/4	50,550	3/4	61,412	3/4	72,274	3/4	83,136	3/4	93,998	3/4	104,859	3/4	115,682	3/4	126,198	3/4	136,351	3/4	145,704	3/4
7	7,333	7	18,194	7	29,054	7	39,915	7	50,777	7	61,638	7	72,500	7	83,362	7	94,224	7	105,086	7	115,904	7	126,413	7	136,558	7	145,826	7
1/4	7,559	1/4	18,420	1/4	29,281	1/4	40,141	1/4	51,003	1/4	61,865	1/4	72,727	1/4	83,588	1/4	94,450	1/4	105,312	1/4	116,126	1/4	126,628	1/4	136,766	1/4	145,948	1/4
1/2	7,786	1/2	18,646	1/2	29,507	1/2	40,367	1/2	51,229	1/2	62,091	1/2	72,953	1/2	83,815	1/2	94,676	1/2	105,538	1/2	116,349	1/2	126,842	1/2	136,973	1/2	146,046	1/2
3/4	8,012	3/4	18,873	3/4	29,733	3/4	40,594	3/4	51,455	3/4	62,317	3/4	73,179	3/4	84,041	3/4	94,903	3/4	105,765	3/4	116,571	3/4	127,057	3/4	137,181	3/4	146,143	3/4
8	8,238	8	19,099	8	29,959	8	40,820	8	51,682	8	62,544	8	73,405	8	84,267	8	95,129	8	105,991	8	116,794	8	127,272	8	137,388	8	146,241	8
1/4	8,464	1/4	19,325	1/4	30,186	1/4	41,046	1/4	51,908	1/4	62,770	1/4	73,632	1/4	84,493	1/4	95,355	1/4	106,217	1/4	117,016	1/4	127,487	1/4	137,596	1/4	146,339	1/4
1/2	8,691	1/2	19,551	1/2	30,412	1/2	41,273	1/2	52,134	1/2	62,996	1/2	73,858	1/2	84,720	1/2	95,582	1/2	106,443	1/2	117,239	1/2	127,701	1/2	137,804	1/2	146,412	1/2
3/4	8,917	3/4	19,778	3/4	30,638	3/4	41,499	3/4	52,361	3/4	63,222	3/4	74,084	3/4	84,946	3/4	95,808	3/4	106,670	3/4	117,461	3/4	127,916	3/4	138,011	3/4	146,485	3/4
9	9,143	9	20,004	9	30,864	9	41,725	9	52,587	9	63,449	9	74,311	9	85,172	9	96,034	9	106,896	9	117,684	9	128,131	9	138,219	9	146,559	9
1/4	9,369	1/4	20,230	1/4	31,090	1/4	41,951	1/4	52,813	1/4	63,675	1/4	74,537	1/4	85,399	1/4	96,260	1/4	107,122	1/4	117,906	1/4	128,346	1/4	138,426	1/4	146,632	1/4
1/2	9,596	1/2	20,457	1/2	31,317	1/2	42,178	1/2	53,039	1/2	63,901	1/2	74,763	1/2	85,625	1/2	96,487	1/2	107,349	1/2	118,129	1/2	128,561	1/2	138,634	1/2	146,681	1/2
3/4	9,822	3/4	20,683	3/4	31,543	3/4	42,404	3/4	53,266	3/4	64,128	3/4	74,989	3/4	85,851	3/4	96,713	3/4	107,575	3/4	118,348	3/4	128,773	3/4	138,842	3/4	146,730	3/4
10	10,048	10	20,909	10	31,769	10	42,630	10	53,492	10	64,354	10	75,216	10	86,078	10	96,939	10	107,801	10	118,568	10	128,985	10	139,049	10	146,778	10
1/4	10,275	1/4	21,135	1/4	31,995	1/4	42,857	1/4	53,718	1/4	64,580	1/4	75,442	1/4	86,304	1/4	97,166	1/4	108,027	1/4	118,788	1/4	129,197	1/4	139,257	1/4	146,827	1/4
1/2	10,501	1/2	21,362	1/2	32,222	1/2	43,083	1/2	53,945	1/2	64,806	1/2	75,668	1/2	86,530	1/2	97,392	1/2	108,254	1/2	119,008	1/2	129,409	1/2	139,464	1/2	146,852	1/2
3/4	10,727	3/4	21,588	3/4	32,448	3/4	43,309	3/4	54,171	3/4	65,033	3/4	75,895	3/4	86,756	3/4	97,618	3/4	108,480	3/4	119,228	3/4	129,622	3/4	139,672	3/4	146,876	3/4
11	10,953	11	21,814	11	32,674	11	43,535	11	54,397	11	65,259	11	76,121	11	86,983	11	97,844	11	108,706	11	119,448	11	129,834	11	139,879	11	146,900	11
1/4	11,180	1/4	22,040	1/4	32,900	1/4	43,762	1/4	54,624	1/4	65,485	1/4	76,347	1/4	87,209	1/4	98,071	1/4	108,933	1/4	119,668	1/4	130,046	1/4	140,087	1/4	146,925	1/4
1/2	11,406	1/2	22,267	1/2	33,127	1/2	43,988	1/2	54,850	1/2	65,712	1/2	76,573	1/2	87,435	1/2	98,297	1/2	109,159	1/2	119,888	1/2	130,258	1/2	140,295	1/2	146,931	1/2
3/4	11,632	3/4	22,493	3/4	33,353	3/4	44,214	3/4	55,076	3/4	65,938	3/4	76,800	3/4	87,662	3/4	98,523	3/4	109,385	3/4	120,108	3/4	130,471	3/4	140,502	3/4	146,937	3/4

CAPACITY IN U. S. GALLONS

*CAPACITY BELOW STRIKE PLATE.

GAUGE HEIGHT: 14'-11 1/4" (RIM OF STANDPIPE, HINGE SIDE)

STRAPPED FEBRUARY 15, 1974

BY J. E. Lainton