



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

Certification Date: 18 Mar 2024
Expiration Date: 18 Mar 2029

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		
CCL7	551980			Tank Barge		
Hailing Port	Hull Material	Horsepower	Propulsion			
NEW ORLEANS, LA	Steel					
UNITED STATES						
Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
NEVILLE ISLAND PA	01Jan1974		R-773	R-773		R-195.1
UNITED STATES			1-	1-		1-0
Owner	Operator					
CHEM CARRIERS LLC 1237 HIGHWAY 75 SUNSHINE, LA 70780 UNITED STATES	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---

Also, in fair weather only, coastwise, not more than twelve (12) miles from shore between St. Marks and Carrabelle, Florida.

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 saltwater 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 Houston, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Sector Houston-Galveston 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
23 MAY 2025	177U	A	[Signature]
10 JAN 2026	177U	P	[Signature]

This certificate issued by:

Joseph W. Morgan CDR, USCG, By Direction

Officer in Charge, Marine Inspection

Sector Houston-Galveston

Inspection Zone



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

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UNITED STATES			I-	I-		I-0

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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	
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Date	Zone	A/P/R	Signature	



Certificate of Inspection

Vessel Name: CCL7

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	28Feb2029	20Feb2019	23Dec2015
Internal Structure	31Mar2029	12Mar2024	20Feb2019

--- 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	615	13.50
3 C/L	623	13.50

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	1624	9ft 7in	13.50	RIVERS; LAKES, BAYS AND SOUNDS
III	1811	10ft 5in	13.50	RIVERS; LAKES, BAYS AND SOUNDS

Conditions Of Carriage

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), Serial #C2-0402884, dated 02NOV04, and Grade "A" and lower cargoes may be carried, and then only in the tanks indicated.

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

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

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

--- Inspection Status ---

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1 C/L	04Oct2011	20Feb2019	28Feb2029	-	-	-
2 C/L	04Oct2011	20Feb2019	28Feb2029	-	-	-
3 C/L	04Oct2011	20Feb2019	28Feb2029	-	-	-



Certificate of Inspection

Vessel Name: CCL7

Tank Id	Safety Valves	Hydro Test		
		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 ---

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 306

Official #: D551980

Shipyard: Dravo Hull

Hull #: 6194

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)	13.5	Atmos.	Amb.	II	1ii 2ii	Integral Gravity	PV	Open	II	G-1	NR	NA	Portable	40-1(f)(1), .50-70(a), .50-70(b), .50-73,	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			
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 46 CFR 151 General and Mat's of Construction	
							App'd (Y or N)	VCS Category		

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)
Dodecylmethylamine, 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: TCB 306

Official #: D551980

Page 2 of 3

Shipyard: Dravo Hull

Hull #: 6194

Cargo Identification						Conditions of Carriage			
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 46 CFR 151 General and Mat'ls of Construction
							App'd (Y or N)	VCS Category	
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

Vessel Name: TCB 306

Official #: D551980

Page 3 of 3

Shipyard: Dravo Hull

Hull #: 6194

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 none	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.
Compatibility Group No.	The cargo reactive group number assigned for compatibility determinations in 46 CFR Part 150 Tables I and II. In accordance with 46 CFR 150.130, the Person-in-Charge of the barge is responsible for ensuring that the compatibility requirements of 46 CFR Part 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR 150 in conjunction with the assigned reactive group number.
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 compatibility chart.
Subchapter Subchapter D Subchapter O Note 3	The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified. Those flammable 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. 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 D, E Note 4	Flammable liquid cargoes, as defined in 46 CFR 30-10.22. Combustible liquid cargoes, as defined in 46 CFR 30-10.15. 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 I II III NA	The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 46 CFR 151.10-1. 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). 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 46 CFR 151.10-1(b)(4). Not applicable to barges certificated under Subchapter D.

Conditions of Carriage

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 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 components 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 1 cargoes. 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.



UNITED STATES OF AMERICA

DEPARTMENT OF HOMELAND SECURITY
UNITED STATES COAST GUARD

NATIONAL VESSEL DOCUMENTATION CENTER

CERTIFICATE OF DOCUMENTATION

VESSEL NAME CCL7		OFFICIAL NUMBER 551980	IMO OR OTHER NUMBER 6194	YEAR COMPLETED 1974	
HAILING PORT NEW ORLEANS LA		HULL MATERIAL STEEL		MECHANICAL PROPULSION NO	
GROSS TONNAGE 773 GRT	NET TONNAGE 773 NRT	LENGTH 195.1	BREADTH 35.1	DEPTH 10.0	
PLACE BUILT NEVILLE ISLAND PA					
OWNERS CHEM CARRIERS LLC COMPRISED OF ONE MEMBER		OPERATIONAL ENDORSEMENTS COASTWISE			
MANAGING OWNER CHEM CARRIERS LLC 1237 HIGHWAY 75 SUNSHINE LA 70780					
RESTRICTIONS NONE					
ENTITLEMENTS NONE					
REMARKS NONE					
ISSUE DATE AUGUST 17, 2026		THIS CERTIFICATE EXPIRES SEPTEMBER 30, 2027			
		DIRECTOR, NATIONAL VESSEL DOCUMENTATION CENTER			





National Pollution Funds Center

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VESEL NAME	VESEL TYPE	HULL TYPE	GROSS TONNAGE	COFR NUMBER	EFFECTIVE DATE	EXPIRATION DATE	COFR APPLICANT	VIN	INSURANCE CANCEL FLAG
 CCL 7	TANKBARGE D		773	841310 - 21	11/27/2023	11/27/2026	CHEM CARRIERS, L.L.C	D551980	

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

Bobby's Industrial Services, Inc.
Contact: Bobby Edwards
Phone: 251-348-2143

TRANSFER PIPING SYSTEM

THE FOLLOWING ITEMS HAVE BEEN TESTED AS PER THE REQUIREMENTS OF 46 CFR 35-70 AND 33 CFR 156.170.

TANK BARGE: CLL 7

OFFICIAL NO: 551980

A. TRANSFER PIPING SYSTEM:

TEST DATE: 3-1-26

PRESSURE: 188

PERFORMED BY: RE

B. TRANSFER SYSTEM RELIEF VALVE:

TEST DATE: 3-1-26

PRESSURE: N/A

PERFORMED BY: RE

C. PRESSURE GAUGE:

TEST DATE: 3-1-26

PRESSURE: 188

PERFORMED BY: RE

D. DETERMINATION OF TEST:

PASSED: 1 hour good

FAILED: _____

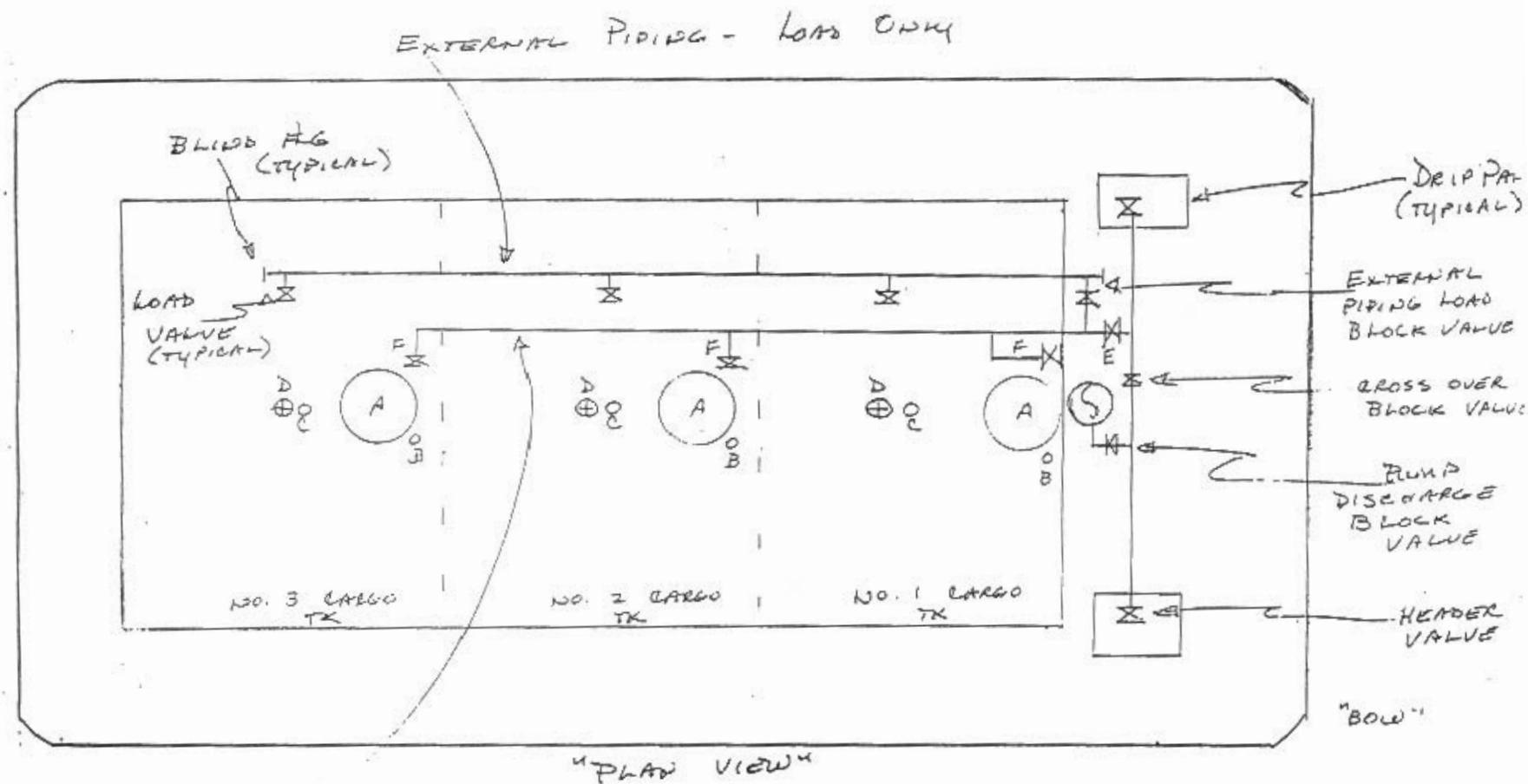
I CERTIFY THAT ALL OF THE INFORMATION ON THIS DOCUMENT IS TRUE AND CORRECT.

PRINT NAME: Robert Edwards Jr TITLE: Forman DATE: 3-1-26

SIGNATURE: Robert Edwards Jr

CCL7 : TCB 308 PIPING SCHEMATIC

"NOT TO SCALE"



- A = ACCESS HATCH
- B = RESTRICTED GAUGING
- C = OPEN GAUGING
- D = HIGH LEVEL INDICATORS
- E = SUCTION BLOCK VALVE
- F = CARGO SUCTION VALVE (TYPICAL)



INDUSTRIAL PUMP SALES

INCORPORATED

2814 ENGINEERS ROAD
BELLE CHASSE, LA. 70037-3153

Phone: (504) 393-7010 Fax: (504) 299-9085
Email: wyandle567@aol.com

Valve Test

Customer: Chem Carriers Towing, LLC
1237 Highway 75
Sunshine, LA 70780-3108

Barge: CCL 7

Valve Type: 2-1/2" PV

Manufacturer: Midland

Quantity tested: [3]

Identifying Mark: 202991, 202992, 202993

Testing location: Industrial Pump Sales
2814 Engineers Road
Belle Chasse, LA. 70037

Date of Test: 30 January 2019

Test Performed: 16 oz pressure
8 oz vacuum

Results: Valves Passed

Dominick Baudoin

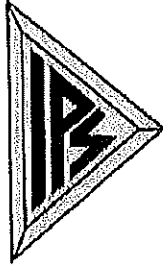
Industrial Pumps Inspector Signature

01/30/2019
date

Edward Solet

Industrial Pumps Inspector Signature

01/30/2019
date



INDUSTRIAL PUMP SALES

INCORPORATED

2814 ENGINEERS ROAD
BELLE CHASSE, LA. 70037-3153
Phone: (504) 393-7010 Fax: (504) 299-9085
Email: wyandle567@aol.com

Valve Test

Customer: Chem Carriers Towing, LLC
1237 Highway 75
Sunshine, LA 70780-3108

Barge: CCL 7

Valve Type: 1-1/2" Steam Relief

Manufacturer: Unknown

Quantity tested: [1]

Identifying Mark: 202994

Testing location: Industrial Pump Sales
2814 Engineers Road
Belle Chasse, LA. 70037

Date of Test: 30 January 2019

Test Performed: 125 PSI

Results: Valves Passed

Dominick Baudoin

Industrial Pumps Inspector Signature

01/30/2019

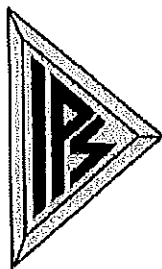
date

Edward Solet

Industrial Pumps Inspector Signature

01/30/2019

date



INDUSTRIAL PUMP SALES

INCORPORATED

2814 ENGINEERS ROAD
BELLE CHASSE, LA. 70037-3153
Phone: (504) 393-7010 Fax: (504) 299-9085
Email: wyandle567@aol.com

Valve Test

Customer: Chem Carriers Towing, LLC
1237 Highway 75
Sunshine, LA 70780-3108

Barge: CCL 7

Valve Type: 4" x 4" 90° Relief

Manufacturer: Farris

Quantity tested: [1]

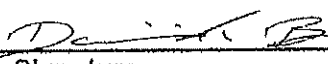
Identifying Mark: 202995

Testing location: Industrial Pump Sales
2814 Engineers Road
Belle Chasse, LA.70037

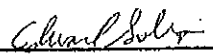
Date of Test: 30 January 2019

Test Performed: 125 PSI

Results: Valves Passed

Dominick Baudoin 
Industrial Pumps Inspector Signature

01/30/2019
date

Edward Solet 
Industrial Pumps Inspector Signature

01/30/2019
date

CARGO TRANSFER PROCEDURES

CHEM CARRIERS L.L.C.

TRANSFER FROM BARGE TO DOCK

PARTS

- 1. PRODUCTS TRANSFERRED**
- 2. DESCRIPTION OF SYSTEM**
- 3. PERSONS ON DUTY**
- 4. PERSONS IN CHARGE**
- 5. EMERGENCY SHUTDOWN**
- 6. TOPPING OFF PROCEDURE**
- 7. COMPLETION OF TRANSFER**
- 8. REPORTING CARGO SPILLS**
- 9. VESSEL CLOSURES**
- 10. PRODUCT DATA**
Barge CCL 7

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)

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 to be on duty during transfer operations:

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, etc., and lines are long enough to allow for surge, tide, wind, changes in draft etc.
- 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 7 is equipped with an overhead load line with a load valve 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 then 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. 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.

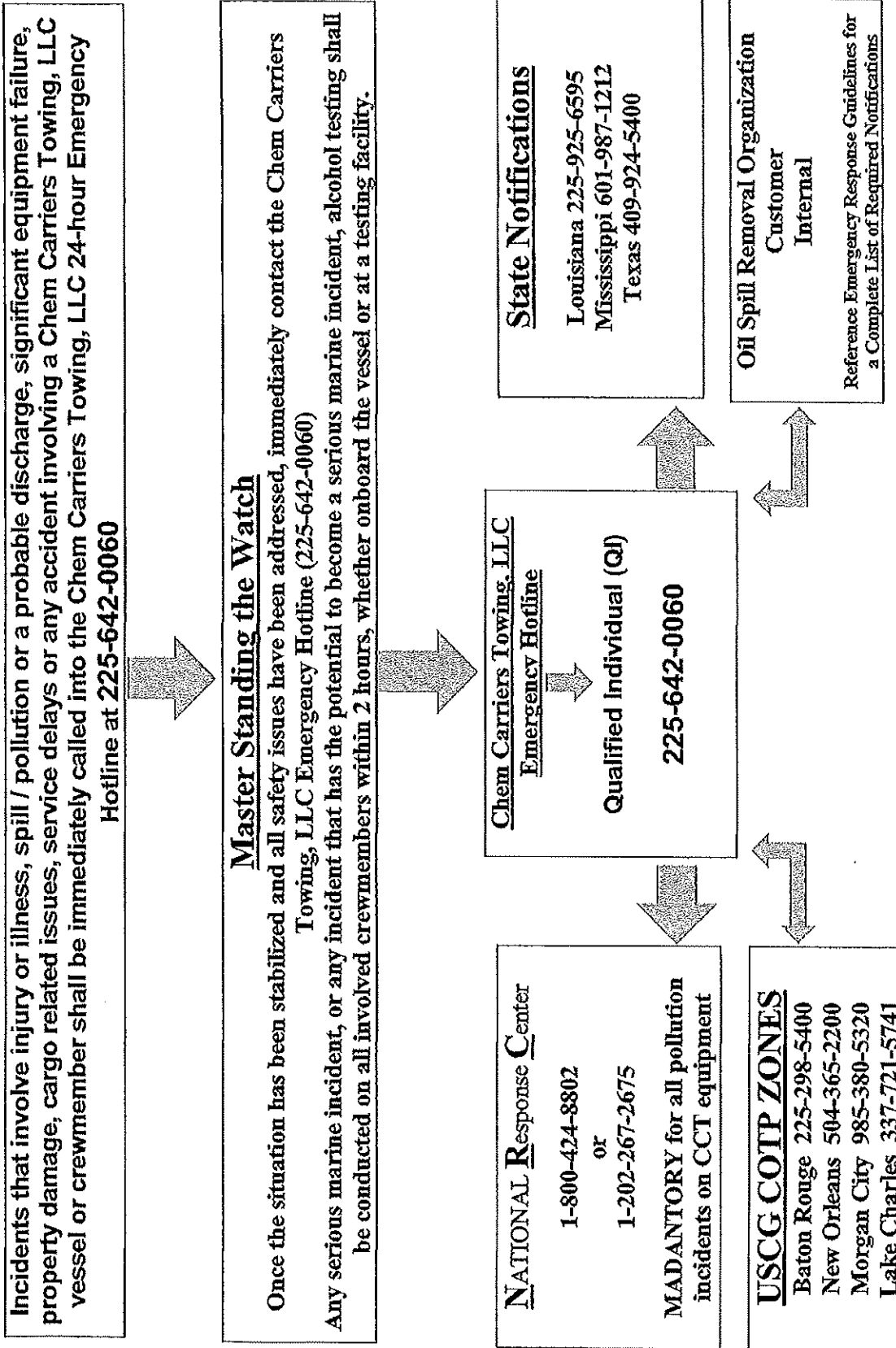
PART 10. PRODUCT DATA

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.

VESSEL INCIDENT / ACCIDENT NOTIFICATION CHART



U.S. Department of
Homeland Security

United States
Coast Guard



Commandant
United States Coast Guard

2703 Martin Luther King Jr. Ave SE
Stop 7516
Washington, DC 20593-7516
Staff Symbol: CG-MER-4 (VRP)
Phone: (202) 372-1005
Fax: (202) 372-8376
Email: vrp@uscg.mil

16460
March 12, 2025

Chem Carriers, L.L.C.
C/O: FOREFRONT EMERGENCY MANAGEMENT, LP
ATTN: ALLIE MARTIN
1730 COTEAU ROAD
HOUMA, LA 70364

Dear Sir or Madam:

Your Vessel Response Plan (Control Number 56041), submitted to meet the requirements of Title 33, Code of Federal Regulations (CFR), Part 155, Subparts D and I, is **approved**. Approval will remain valid until **March 21, 2030**.

The CCL7 (551980) is authorized to operate only in the ports or geographic areas indicated in the Captain of the Port zones listed below. If carrying oil as cargo, the vessel is prohibited from handling, storing, transporting, transferring, or lightering oil unless it is operating in full compliance with this plan. Compliance includes ensuring that required resources have been identified and planned for or are in place and available through contract or other approved means. If applicable to your routes, this includes the dispersant and aerial observation requirements of 33 CFR 155.1050.

You are reminded that your chosen salvage and marine firefighting resource provider may have submitted waivers from meeting one or more of the specified response times in accordance with 33 CFR 155.4055. If so, this may be rescinded by the U.S. Coast Guard if the appropriate response resources are not available when the approved waiver expires. You shall continue to assess the adequacy of your chosen salvors and firefighters as required by 33 CFR 155.4050.

The vessel must keep a copy of this approval letter onboard in addition to the minimum sections of the plan as required by 33 CFR 155.1030. In accordance with 33 CFR 155.1070, you are required to review your plan annually and submit plan amendments for approval. As per 33 CFR 155.1070(b), the entire plan must be resubmitted for a comprehensive review and approval six (6) months prior to the expiration date.

APPROVED CAPTAIN OF THE PORT ZONES

CORPUS CHRISTI
HOUMA
HOUSTON-GALVESTON

LOWER MISSISSIPPI RIVER OHIO VALLEY
(MEMPHIS)
MOBILE
NEW ORLEANS

UPPER MISSISSIPPI RIVER
(ST. LOUIS)
PORT ARTHUR AND LAKE
CHARLES

Sincerely,



CHARRON MCCOMBS

Lieutenant Commander

Acting Chief, Domestic Preparedness & Planning Division

U.S. Coast Guard

By direction

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

<u>Vessel Name</u>	<u>Official Number (O.N.)</u>
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

<u>Vessel Name</u>	<u>Official Number (O.N.)</u>
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

Chas. MARTIN
Inspector
of Petroleum, Inc.
INDEPENDENT LICENSED INSPECTION
JAMES J. MULLIN, PRESIDENT

BARGE CCL7

TWIN CITY BARGE & TOWING COMPANY

TANK NUMBER: 1

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

DRAGO HULL NO. 6194

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	14 FEET
IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.
1.222	12.064	22.904	33.715	44.550	55.392	66.233	77.075	87.916	98.758	109.500	118.979	128.458	137.937	143.957
1.448	12.290	23.130	33.940	44.776	55.618	66.459	77.301	88.142	98.984	109.697	119.176	128.655	138.134	143.960
1.674	12.516	23.356	34.165	45.002	55.844	66.685	77.527	88.368	99.210	109.895	119.374	128.853	138.332	
1.900	12.742	23.582	34.390	45.228	56.069	66.911	77.752	88.594	99.435	110.092	119.571	129.050	138.529	
2.126	12.968	23.808	34.615	45.454	56.295	67.137	77.978	88.820	99.661	110.290	119.769	129.248	138.727	
2.352	13.193	24.033	34.840	45.680	56.521	67.363	78.204	89.046	99.887	110.487	119.966	129.445	138.924	
2.578	13.419	24.259	35.065	45.905	56.747	67.588	78.430	89.272	100.113	110.685	120.164	129.643	139.122	
2.804	13.645	24.485	35.290	46.131	56.973	67.814	78.656	89.497	100.339	110.882	120.361	129.840	139.319	
3.030	13.871	24.711	35.516	46.357	57.199	68.040	78.882	89.723	100.565	111.080	120.559	130.038	139.517	
3.256	14.097	24.937	35.742	46.583	57.425	68.266	79.108	89.949	100.791	111.277	120.756	130.235	139.714	
3.482	14.323	25.163	35.967	46.809	57.650	68.492	79.333	90.175	101.016	111.475	120.954	130.433	139.911	
3.708	14.548	25.388	36.193	47.035	57.876	68.718	79.559	90.401	101.242	111.672	121.151	130.630	140.109	
3.933	14.774	25.614	36.419	47.261	58.102	68.944	79.785	90.627	101.468	111.870	121.349	130.827	140.306	
4.159	15.000	25.840	36.645	47.487	58.328	69.170	80.011	90.853	101.694	112.067	121.546	131.025	140.493	
4.385	15.226	26.066	36.871	47.712	58.554	69.395	80.237	91.078	101.920	112.265	121.743	131.222	140.680	
4.611	15.452	26.292	37.097	47.938	58.780	69.621	80.463	91.304	102.146	112.462	121.941	131.420	140.867	
4.837	15.678	26.517	37.323	48.164	59.006	69.847	80.689	91.530	102.372	112.659	122.138	131.617	141.054	
5.063	15.903	26.742	37.548	48.390	59.231	70.073	80.915	91.756	102.598	112.857	122.336	131.815	141.219	
5.289	16.129	26.967	37.774	48.616	59.457	70.299	81.140	91.982	102.823	113.054	122.533	132.012	141.385	
5.515	16.355	27.192	38.000	48.842	59.683	70.525	81.366	92.208	103.049	113.252	122.731	132.210	141.550	
5.741	16.581	27.417	38.226	49.068	59.909	70.751	81.592	92.434	103.275	113.449	122.928	132.407	141.715	
5.967	16.807	27.641	38.452	49.293	60.135	70.976	81.818	92.659	103.501	113.647	123.126	132.605	141.860	
6.192	17.033	27.866	38.678	49.519	60.361	71.202	82.044	92.885	103.727	113.844	123.323	132.802	142.004	
6.418	17.258	28.091	38.904	49.745	60.587	71.428	82.270	93.111	103.953	114.042	123.521	133.000	142.148	
6.644	17.484	28.316	39.130	49.971	60.813	71.654	82.496	93.337	104.179	114.239	123.718	133.197	142.292	
6.870	17.710	28.541	39.355	50.197	61.038	71.880	82.721	93.563	104.404	114.437	123.916	133.395	142.415	
7.096	17.936	28.766	39.581	50.423	61.264	72.106	82.947	93.789	104.630	114.634	124.113	133.592	142.537	
7.322	18.162	28.991	39.807	50.649	61.490	72.332	83.173	94.015	104.856	114.832	124.311	133.790	142.660	
7.548	18.388	29.216	40.033	50.874	61.716	72.558	83.399	94.241	105.082	115.029	124.508	133.987	142.783	
7.773	18.613	29.441	40.259	51.100	61.942	72.783	83.625	94.466	105.308	115.227	124.706	134.185	142.884	
7.999	18.839	29.666	40.485	51.326	62.168	73.009	83.851	94.692	105.534	115.424	124.903	134.382	142.986	
8.225	19.065	29.891	40.711	51.552	62.394	73.235	84.077	94.918	105.760	115.622	125.101	134.580	143.087	
8.451	19.291	30.116	40.936	51.778	62.619	73.461	84.302	95.144	105.986	115.819	125.298	134.777	143.188	
8.677	19.517	30.341	41.162	52.004	62.845	73.687	84.528	95.370	106.211	116.017	125.496	134.975	143.269	
8.903	19.743	30.566	41.388	52.230	63.071	73.913	84.754	95.596	106.437	116.214	125.693	135.172	143.349	
9.128	19.968	30.791	41.614	52.456	63.297	74.139	84.980	95.822	106.663	116.412	125.891	135.369	143.429	
9.354	20.194	31.016	41.840	52.681	63.523	74.364	85.206	96.047	106.889	116.609	126.088	135.567	143.509	
9.580	20.420	31.241	42.066	52.907	63.749	74.590	85.432	96.273	107.115	116.807	126.285	135.764	143.567	
9.806	20.646	31.466	42.292	53.133	63.975	74.816	85.658	96.499	107.341	117.004	126.483	135.962	143.626	
10.032	20.872	31.691	42.517	53.359	64.201	75.042	85.884	96.725	107.567	117.201	126.680	136.159	143.685	
10.258	21.098	31.916	42.743	53.585	64.426	75.268	86.109	96.951	107.792	117.399	126.878	136.357	143.743	
10.483	21.323	32.141	42.969	53.811	64.652	75.494	86.335	97.177	108.018	117.596	127.075	136.554	143.781	
10.709	21.549	32.365	43.195	54.037	64.878	75.720	86.561	97.403	108.244	117.794	127.273	136.752	143.818	
10.935	21.775	32.590	43.421	54.262	65.104	75.945	86.787	97.629	108.470	117.991	127.470	136.949	143.856	
11.161	22.001	32.815	43.647	54.488	65.330	76.171	87.013	97.854	108.696	118.189	127.668	137.147	143.893	
11.387	22.227	33.040	43.873	54.714	65.556	76.397	87.239	98.080	108.922	118.386	127.865	137.344	143.909	
11.613	22.453	33.265	44.099	54.940	65.782	76.623	87.465	98.306	109.148	118.584	128.063	137.542	143.925	
11.838	22.678	33.490	44.324	55.166	66.007	76.849	87.690	98.532	109.374	118.781	128.260	137.739	143.941	

CAPACITY IN U. S. GALLONS
*CAPACITY BELOW STRIKE PLATE.

GAUGE HEIGHT: 15'-7" (TO METAL STRIP ACROSS STANDPIPE)

STRAPPED JANUARY 31, 1974

J. L. Painter

Chas. MARTIN
Inspector
of Petroleum, Inc.
INDEPENDENT LICENSED INSPECTION
JAMES E. MULLIN, PRESIDENT

BARGE CCL 7

TWIN CITY BARGE & TOWING COMPANY

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

TANK NUMBER:

2

DRAVO HULL NO. 6194

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	14 FEET
IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.
1.225	12.100	22.974	33.820	44.690	55.565	66.440	77.315	88.191	99.066	109.941	120.816	131.692	142.567	149.474
1.452	12.326	23.200	34.046	44.916	55.791	66.667	77.542	88.417	99.293	110.168	121.043	131.918	142.794	149.477
1.678	12.553	23.427	34.273	45.143	56.018	66.893	77.769	88.644	99.519	110.394	121.270	132.145	143.020	
1.905	12.779	23.653	34.498	45.369	56.245	67.120	77.995	88.870	99.746	110.621	121.496	132.371	143.247	
2.131	13.006	23.880	34.723	45.596	56.471	67.346	78.222	89.097	99.972	110.847	121.723	132.598	143.473	
2.358	13.232	24.106	34.949	45.822	56.698	67.573	78.448	89.324	100.199	111.074	121.949	132.825	143.700	
2.585	13.459	24.333	35.175	46.049	56.924	67.800	78.675	89.550	100.425	111.301	122.176	133.051	143.926	
2.811	13.685	24.560	35.400	46.276	57.151	68.026	78.901	89.777	100.652	111.527	122.402	133.278	144.153	
3.038	13.912	24.786	35.627	46.502	57.377	68.253	79.128	90.003	100.878	111.754	122.629	133.504	144.380	
3.264	14.138	25.013	35.853	46.729	57.604	68.479	79.355	90.230	101.105	111.980	122.856	133.731	144.606	
3.491	14.365	25.239	36.080	46.955	57.831	68.706	79.581	90.456	101.332	112.207	123.082	133.957	144.833	
3.717	14.592	25.466	36.307	47.182	58.057	68.932	79.808	90.683	101.558	112.433	123.309	134.184	145.059	
3.944	14.818	25.692	36.533	47.408	58.284	69.159	80.034	90.909	101.785	112.660	123.535	134.411	145.286	
4.170	15.045	25.919	36.760	47.635	58.510	69.386	80.261	91.136	102.011	112.887	123.762	134.637	145.500	
4.397	15.271	26.145	36.986	47.862	58.737	69.612	80.487	91.363	102.238	113.113	123.988	134.864	145.714	
4.623	15.498	26.372	37.213	48.088	58.963	69.839	80.714	91.589	102.464	113.340	124.215	135.090	145.929	
4.850	15.724	26.598	37.439	48.315	59.190	70.065	80.941	91.816	102.691	113.566	124.442	135.317	146.143	
5.077	15.951	26.823	37.666	48.541	59.417	70.292	81.167	92.042	102.918	113.793	124.668	135.543	146.357	
5.303	16.177	27.049	37.893	48.768	59.643	70.518	81.394	92.269	103.144	114.019	124.895	135.770	146.573	
5.530	16.404	27.275	38.119	48.994	59.870	70.745	81.620	92.495	103.371	114.246	125.121	135.997	146.787	
5.756	16.630	27.500	38.346	49.221	60.096	70.972	81.847	92.722	103.597	114.473	125.348	136.223	147.002	
5.983	16.857	27.726	38.572	49.448	60.323	71.198	82.073	92.949	103.824	114.699	125.574	136.450	147.068	
6.209	17.084	27.952	38.799	49.674	60.549	71.425	82.300	93.175	104.050	114.926	125.801	136.676	147.233	
6.436	17.310	28.178	39.025	49.901	60.776	71.651	82.526	93.402	104.277	115.152	126.028	136.903	147.398	
6.662	17.537	28.403	39.252	50.127	61.003	71.878	82.753	93.628	104.504	115.379	126.254	137.129	147.564	
6.889	17.763	28.629	39.479	50.354	61.229	72.104	82.980	93.855	104.730	115.605	126.481	137.356	147.705	
7.116	17.990	28.855	39.705	50.580	61.456	72.331	83.206	94.081	104.957	115.832	126.707	137.582	147.845	
7.342	18.216	29.080	39.932	50.807	61.682	72.557	83.433	94.308	105.183	116.059	126.934	137.809	147.986	
7.569	18.443	29.306	40.158	51.034	61.909	72.784	83.659	94.535	105.410	116.285	127.160	138.036	148.127	
7.795	18.669	29.532	40.385	51.260	62.135	73.011	83.886	94.761	105.636	116.512	127.387	138.262	148.243	
8.022	18.896	29.758	40.611	51.487	62.362	73.237	84.112	94.988	105.863	116.738	127.613	138.489	148.360	
8.248	19.122	29.983	40.838	51.713	62.589	73.464	84.339	95.214	106.090	116.965	127.840	138.715	148.476	
8.475	19.349	30.209	41.065	51.940	62.815	73.690	84.566	95.441	106.316	117.191	128.067	138.942	148.592	
8.701	19.576	30.435	41.291	52.166	63.042	73.917	84.792	95.667	106.543	117.418	128.293	139.168	148.684	
8.928	19.802	30.660	41.518	52.393	63.268	74.143	85.019	95.894	106.769	117.645	128.520	139.395	148.776	
9.154	20.029	30.886	41.744	52.620	63.495	74.370	85.245	96.121	106.996	117.871	128.746	139.622	148.868	
9.381	20.255	31.112	41.971	52.846	63.721	74.597	85.472	96.347	107.222	118.098	128.973	139.848	148.960	
9.608	20.482	31.338	42.197	53.073	63.948	74.823	85.698	96.574	107.449	118.324	129.199	140.075	149.027	
9.834	20.708	31.563	42.424	53.299	64.174	75.050	85.925	96.800	107.676	118.551	129.426	140.301	149.095	
10.061	20.935	31.789	42.651	53.526	64.401	75.276	86.152	97.027	107.902	118.777	129.653	140.528	149.162	
10.287	21.161	32.015	42.877	53.752	64.628	75.503	86.378	97.253	108.129	119.004	129.879	140.754	149.229	
10.514	21.388	32.240	43.104	53.979	64.854	75.729	86.605	97.480	108.355	119.230	130.106	140.981	149.272	
10.740	21.614	32.466	43.330	54.205	65.081	75.956	86.831	97.707	108.582	119.457	130.332	141.208	149.315	
10.967	21.841	32.692	43.557	54.432	65.307	76.183	87.058	97.933	108.808	119.684	130.559	141.434	149.358	
11.193	22.068	32.918	43.783	54.659	65.534	76.409	87.284	98.160	109.035	119.910	130.785	141.661	149.401	
11.420	22.294	33.143	44.010	54.885	65.760	76.636	87.511	98.386	109.261	120.137	131.012	141.887	149.419	
11.646	22.521	33.369	44.237	55.112	65.987	76.862	87.738	98.613	109.488	120.363	131.239	142.114	149.437	
11.873	22.747	33.595	44.463	55.338	66.214	77.089	87.964	98.839	109.715	120.590	131.465	142.340	149.456	

CAPACITY IN U. S. GALLONS

*CAPACITY BELOW STRIKE PLATE.

GAUGE HEIGHT: 15'-7" (TO METAL STRIP ACROSS STANDPIPE)

STRAPPED JANUARY 31, 1974

J. L. Ranton

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

DRAVO HULL NO. 6194

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	14 FEET
IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.
1.225	12.091	22.958	33.824	44.692	55.559	66.427	77.295	88.163	99.031	109.899	120.767	131.635	142.503	153.371
1.451	12.318	23.185	34.050	44.918	55.786	66.654	77.522	88.389	99.257	110.125	120.993	131.861	142.729	153.597
1.677	12.544	23.411	34.277	45.144	56.012	66.880	77.748	88.616	99.484	110.352	121.220	132.088	142.956	153.824
1.904	12.771	23.637	34.503	45.371	56.239	67.107	77.974	88.842	99.710	110.578	121.446	132.314	143.182	154.050
2.130	12.997	23.864	34.730	45.597	56.465	67.333	78.201	89.069	99.937	110.804	121.672	132.540	143.408	154.277
2.356	13.223	24.090	34.956	45.824	56.692	67.559	78.427	89.295	100.163	111.029	121.897	132.765	143.635	154.504
2.583	13.450	24.316	35.182	46.050	56.918	67.786	78.654	89.521	100.389	111.255	122.122	132.992	143.862	154.731
2.809	13.676	24.543	35.409	46.277	57.144	68.012	78.880	89.748	100.616	111.480	122.349	133.219	144.089	154.958
3.036	13.902	24.769	35.635	46.503	57.371	68.239	79.106	89.974	100.842	111.705	122.575	133.445	144.315	155.185
3.262	14.129	24.996	35.861	46.729	57.597	68.465	79.333	90.201	101.069	111.930	122.802	133.672	144.542	155.412
3.488	14.355	25.222	36.088	46.956	57.824	68.691	79.559	90.427	101.295	112.155	123.028	133.898	144.768	155.639
3.715	14.582	25.448	36.314	47.182	58.050	68.918	79.786	90.654	101.521	112.380	123.255	134.125	144.995	155.866
3.941	14.808	25.675	36.541	47.409	58.276	69.144	80.012	90.880	101.748	112.605	123.482	134.352	145.222	156.093
4.168	15.034	25.901	36.767	47.635	58.503	69.371	80.239	91.106	101.974	112.831	123.709	134.579	145.449	156.320
4.394	15.261	26.128	36.994	47.861	58.729	69.597	80.465	91.333	102.201	113.056	123.936	134.806	145.676	156.547
4.620	15.487	26.354	37.220	48.088	58.956	69.824	80.691	91.559	102.427	113.281	124.163	135.033	145.903	156.774
4.847	15.714	26.580	37.446	48.314	59.182	70.050	80.918	91.786	102.653	113.506	124.390	135.260	146.130	157.001
5.073	15.940	26.807	37.673	48.541	59.408	70.276	81.144	92.012	102.880	113.731	124.617	135.487	146.357	157.228
5.300	16.166	27.033	37.899	48.767	59.635	70.503	81.371	92.238	103.106	113.956	124.844	135.714	146.584	157.455
5.526	16.393	27.259	38.126	48.993	59.861	70.729	81.597	92.465	103.333	114.181	125.071	135.941	146.811	157.682
5.752	16.619	27.486	38.352	49.220	60.088	70.956	81.823	92.691	103.559	114.406	125.298	136.168	147.038	157.909
5.979	16.846	27.712	38.578	49.446	60.314	71.182	82.050	92.918	103.786	114.629	125.525	136.395	147.265	158.136
6.205	17.072	27.939	38.805	49.673	60.541	71.408	82.276	93.144	104.012	114.852	125.752	136.622	147.492	158.363
6.432	17.298	28.165	39.031	49.899	60.767	71.635	82.503	93.371	104.238	115.074	125.979	136.849	147.719	158.590
6.658	17.525	28.391	39.258	50.126	60.993	71.861	82.729	93.597	104.465	115.299	126.206	137.076	147.946	158.817
6.884	17.751	28.618	39.484	50.352	61.220	72.088	82.955	93.823	104.691	115.519	126.432	137.303	148.173	159.044
7.111	17.978	28.844	39.711	50.578	61.446	72.314	83.182	94.050	104.918	115.742	126.659	137.530	148.400	159.271
7.337	18.204	29.070	39.937	50.805	61.673	72.540	83.408	94.276	105.144	115.964	126.886	137.757	148.627	159.498
7.564	18.430	29.297	40.163	51.031	61.899	72.767	83.635	94.503	105.370	116.187	127.113	137.984	148.854	159.725
7.790	18.657	29.523	40.390	51.258	62.125	72.993	83.861	94.729	105.597	116.409	127.340	138.211	149.081	160.000
8.016	18.883	29.750	40.616	51.484	62.352	73.220	84.088	94.955	105.823	116.632	127.567	138.438	149.308	160.227
8.243	19.109	29.976	40.843	51.710	62.578	73.446	84.314	95.182	106.050	116.855	127.794	138.665	149.535	160.454
8.469	19.336	30.202	41.069	51.937	62.805	73.673	84.540	95.408	106.276	117.077	128.021	138.892	149.762	160.681
8.695	19.562	30.429	41.295	52.163	63.031	73.899	84.767	95.635	106.502	117.300	128.248	139.119	150.010	160.908
8.922	19.789	30.655	41.522	52.390	63.258	74.125	84.993	95.861	106.729	117.522	128.475	139.346	150.237	161.135
9.148	20.015	30.881	41.748	52.616	63.484	74.352	85.220	96.087	106.955	117.745	128.702	139.573	150.464	161.362
9.375	20.241	31.108	41.975	52.842	63.710	74.578	85.446	96.314	107.182	117.967	128.929	139.799	150.691	161.589
9.601	20.468	31.334	42.201	53.069	63.937	74.805	85.672	96.540	107.408	118.187	129.156	140.026	150.918	161.816
9.827	20.694	31.560	42.427	53.295	64.163	75.031	85.899	96.767	107.635	118.407	129.383	140.253	151.145	162.043
10.054	20.921	31.787	42.654	53.522	64.390	75.257	86.125	96.993	107.861	118.627	129.610	140.480	151.372	162.270
10.280	21.147	32.013	42.880	53.748	64.616	75.484	86.352	97.220	108.087	118.847	129.837	140.707	151.599	162.497
10.507	21.373	32.240	43.107	53.975	64.842	75.710	86.578	97.446	108.314	119.067	130.064	140.934	151.826	162.724
10.733	21.600	32.466	43.333	54.201	65.069	75.937	86.805	97.672	108.540	119.287	130.291	141.161	152.053	162.951
10.959	21.826	32.692	43.560	54.427	65.295	76.163	87.031	97.899	108.767	119.507	130.518	141.388	152.280	163.178
11.186	22.053	32.919	43.786	54.654	65.522	76.389	87.257	98.125	108.993	119.727	130.745	141.615	152.507	163.405
11.412	22.279	33.145	44.012	54.880	65.748	76.616	87.484	98.352	109.219	119.947	130.972	141.842	152.734	163.632
11.639	22.505	33.371	44.239	55.107	65.974	76.842	87.710	98.578	109.446	120.167	131.199	142.069	152.961	163.859
11.865	22.732	33.598	44.465	55.333	66.201	77.069	87.937	98.804	109.672	120.387	131.426	142.296	153.188	164.086

CAPACITY IN U. S. GALLONS

*CAPAC. TY BELOW STRIKE PLATE.

GAUGE HEIGHT: 151-7" (10 METAL STRIP ACROSS STANDPIPE)

STRAPPED JANUARY 31, 1974

J. L. Rantow