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

Certification Date:	22 Aug 2018
Expiration Date:	22 Aug 2023

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
E2MS 103	1287341			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
ASHLAND CITY, TN UNITED STATES	22Aug2018	14Jul2018	R-705 I-	R-705 I-		R-200.0 I-0

Owner
AMERICAN INLAND MARINE LLC
2315 FLORIDA ST BLDG 200 SUITE 120
MANDEVILLE, LA 70448
UNITED STATES

Operator
E SQUARED MARINE SERVICE LLC
1102 S FRIENDSWOOD DRIVE SUITE BPO BOX 324
FRIENDSWOOD, TX 77549
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 plus Limited Coastwise---

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

This vessel has been granted a fresh water service examination interval in accordance with 46 CFR 31.10-21(a)(2). If this vessel is operated in salt water more than six months in any twelve month period, the vessel must be inspected using salt water intervals per 46 CFR 31.10-21(a)(1)and the cognizant OCMI notified in writing as soon as this change in status occurs.

SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION

With this Inspection for Certification having been completed at ASHLAND CITY, TN, UNITED STATES, the Officer in Charge, Marine Inspection, Sector Ohio Valley certified the vessel, in all respects, is in conformity with the applicable vessel inspection laws and the rules and regulations prescribed thereunder.

Annual/Periodic/Re-Inspection

Date	Zone	A/P/R	Signature

This certificate issued by:
R.S. WADDINGTON CDR, USCG, By Direction
Officer in Charge, Marine Inspection
Sector Ohio Valley
Inspection Zone

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

Certification Date:	22 Aug 2018
Expiration Date:	22 Aug 2023

Certificate of Inspection

Vessel Name: E2MS 103

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Aug2028	22Aug2018	
Internal Structure	31Aug2023	22Aug2018	

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

Authorization: FLAMMABLE/COMBUSTIBLE LIQUIDS IN 46 CFR TABLE 30.25-1 AND SPECIFIED HAZARDOUS CARGOES.

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
10959	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)
1C	590	13.58
2C	668	13.58
3C	590	13.58

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
III	1741	10ft 4in	8.74	LBS
III	1741	10ft 4in	9.16	LBS
III	1759	10ft 5in	9.58	LBS
III	1759	10ft 5in	9.99	LBS
III	1759	10ft 5in	10.41	LBS
III	1741	10ft 4in	10.83	LBS
III	1723	10ft 3in	11.24	LBS
III	1723	10ft 3in	11.66	LBS
III	1705	10ft 2in	12.08	LBS
III	1705	10ft 2in	12.49	LBS
III	1687	10ft 1in	12.91	LBS
III	1669	10ft 0in	13.33	LBS
III	1669	10ft 0in	13.58	LBS
III	1799	10ft 7in	8.74	R
III	1867	10ft 11in	9.16	R
III	1885	11ft 0in	9.58	R
III	1903	11ft 1in	9.99	R

Certificate of Inspection

Vessel Name: E2MS 103

III	1903	11ft 1in	10.41	R
III	1903	11ft 1in	10.83	R
III	1903	11ft 1in	11.24	R
III	1903	11ft 1in	11.66	R
III	1867	10ft 11in	12.08	R
III	1867	10ft 11in	12.49	R
III	1867	10ft 11in	12.91	R
III	1849	10ft 10in	13.33	R
III	1849	10ft 10in	13.58	R
II	1508	9ft 3in	8.74	LBS
II	1508	9ft 3in	9.16	LBS
II	1508	9ft 3in	9.58	LBS
II	1508	9ft 3in	9.99	LBS
II	1508	9ft 3in	10.41	LBS
II	1508	9ft 3in	10.83	LBS
II	1508	9ft 3in	11.24	LBS
II	1508	9ft 3in	11.66	LBS
II	1508	9ft 3in	12.08	LBS
II	1508	9ft 3in	12.49	LBS
II	1508	9ft 3in	12.91	LBS
II	1508	9ft 3in	13.33	LBS
II	1508	9ft 3in	13.58	LBS
II	1508	9ft 3in	8.74	R
II	1508	9ft 3in	9.16	R
II	1508	9ft 3in	9.58	R
II	1508	9ft 3in	9.99	R
II	1508	9ft 3in	10.41	R
II	1508	9ft 3in	10.83	R
II	1508	9ft 3in	11.24	R
II	1508	9ft 3in	11.66	R
II	1508	9ft 3in	12.08	R
II	1508	9ft 3in	12.49	R
II	1508	9ft 3in	12.91	R
II	1508	9ft 3in	13.33	R
II	1508	9ft 3in	13.58	R
I	1401	8ft 9in	8.74	LBS

Certificate of Inspection

Vessel Name: E2MS 103

I	1401	8ft 9in	9.16	LBS
I	1401	8ft 9in	9.58	LBS
I	1401	8ft 9in	9.99	LBS
I	1401	8ft 9in	10.41	LBS
I	1401	8ft 9in	10.83	LBS
I	1401	8ft 9in	11.24	LBS
I	1401	8ft 9in	11.66	LBS
I	1401	8ft 9in	12.08	LBS
I	1401	8ft 9in	12.49	LBS
I	1401	8ft 9in	12.91	LBS
I	1401	8ft 9in	13.33	LBS
I	1401	8ft 9in	13.58	LBS
I	1401	8ft 9in	8.74	R
I	1401	8ft 9in	9.16	R
I	1401	8ft 9in	9.58	R
I	1401	8ft 9in	9.99	R
I	1401	8ft 9in	10.41	R
I	1401	8ft 9in	10.83	R
I	1401	8ft 9in	11.24	R
I	1401	8ft 9in	11.66	R
I	1401	8ft 9in	12.08	R
I	1401	8ft 9in	12.49	R
I	1401	8ft 9in	12.91	R
I	1401	8ft 9in	13.33	R
I	1401	8ft 9in	13.58	R

Conditions Of Carriage

Only those cargoes named in the vessel's Cargo Authority Attachment, Serial No. C1-1802279, dated July 16, 2018 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 the compatibility requirements of 46 CFR 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR 150 in conjunction with the reactive group numbers from the "Compat Group No" column listed in the vessel's Cargo Authority Attachment.

The maximum design density of cargo which may be filled to the tank top is 8.74 lbs/gal. Cargoes with higher densities, up to 13.58 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed above.

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

Vapor Control Authorization

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

Certification Date:	22 Aug 2018
Expiration Date:	22 Aug 2023

Certificate of Inspection

Vessel Name: E2MS 103

In accordance with 46 CFR Part 39, excluding part 39.4000, this vessel's vapor collection system has been inspected to the plans approved by, dated, and extended by MSC Letter C1-1802779, dated July 18, 2018, and has been found acceptable for the collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column of the vessel's Cargo Authority Attachment. The VCS system has been approved with a pressure side 2.5 psig P/V valve with Coast Guard Approval 162.017/167/4. The cargo tank top is suitable for a maximum allowable working pressure (MAWP) of 3 psi.

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.

In accordance with 46 CFR Part 39.1017 and 39.5000(e) this vessel's VCS has been evaluated and approved for multi-breasted tandem loading with other vessels specifically approved to tandem load with this vessel.

--- Inspection Status ---

Fuel Tanks

	Internal Examinations		
Tank ID	Previous	Last	Next
Fuel-aft	-	22Aug2018	-

Cargo Tanks

	Internal Exam			External Exam		
Tank Id	Previous	Last	Next	Previous	Last	Next
1C	-	22Aug2018	31Aug2028	-	-	-
2C	-	22Aug2018	31Aug2028	-	-	-
3C	-	22Aug2018	31Aug2028	-	-	-

		Hydro Test		
Tank Id	Safety Valves	Previous	Last	Next
1C	-	-	22Aug2018	-
2C	-	-	22Aug2018	-
3C	-	-	22Aug2018	-

---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