



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

Certification Date:	10 Dec 2012
Expiration Date:	10 Dec 2017

# 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 301	1243229			Tank Barge

Hailing Port	Hull Material	Horsepower	Propulsion
HOUSTON, TX	Steel		
UNITED STATES			

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
Ashland City, Tennessee	10Dec2012	12Nov2012	R-1619	R-1619		R-297.5
UNITED STATES			-	-		-0

Owner	Operator
E SQUARED MARINE SERVICE LLC 1102 B S FRIENDSWOOD DR PO BOX 324 FRIENDSWOOD, TX 77549 UNITED STATES	E SQUARED MARINE SERVICE LLC 1102 B S FRIENDSWOOD DR PO 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 Qual. Member Eng. Depts
0 Chief Mates	0 First Class Pilots	0 First Assistant Engineers	0 Oilers
0 Second Mates	0 Radio Officers	0 Second Assistant Engineers	0 Crew Members
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 Non Licensed Engineer Dept	

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, 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 31.10-21(B); 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 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 Tennessee 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				This Amended certificate issued by: <b>ERIC M. CARREDO, CDR, USCG, BY DIRECTION</b> Officer in Charge, Marine Inspection <b>Sector Houston-Galveston</b> Inspection Zone
Date	Zone	A/P/R	Signature	
12Nov2014	MSU Houma	A	Landry Harold J.	
12Nov2014	MSU Houma	A	Landry Harold J.	
19Feb2016	MSU BatonRge	P	MIKELL MATTHEW	
08Feb2017	SEC HouGalvstn	A	LEIGHTY STEVEN	



# Certificate of Inspection

Vessel Name: E2MS 301

### ---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	10Dec2022	10Dec2012	
Internal Structure	10Aug2017	10Dec2012	

### ---Stability---

Type	Issued Date	Office
Book	None Valid	
Letter	None Valid	

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

Authorization: FLAMMABLE / COMBUSTIBLE LIQUIDS AND SPECIFIED HAZADOUS CARGOES

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
28755	Barrels	A	Yes	No	No

#### \*Hazardous Bulk Solids Authority\*

#### \*Loading Constraints - Structural\*

Tank Number	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1 P/S	848	13.6
2 P/S	860	13.6
3 P/S	751	

#### \*Loading Constraints - Stability\*

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	3814	10ft 0in	13.6	R, LBS, LC 0-12
III	4684	11ft 9in	13.6	R, LBS, LC 0-12

#### \*Conditions Of Carriage\*

Only those cargoes named in the vessel's cargo authority attachment, serial #C1-1204608, dated November 02, 2012, may be carried and then only in the tanks indicated.

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

In accordance with 46 CFR part 39, excluding part 39.40, this vessel's vapor control system has been inspected to the plans approved by marine safety center letter serial #1204608, dated November 02, 2012, and found acceptable for collection of bulk liquid cargo vapors annotated with "yes" in the CAA's VCS column.

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 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. Cargo 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



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draft allowed. When carrying subchapter "O" cargoes at shallower drafts, the barge should always be loaded uniformly.

**\*Tandem Loading Authorization\***

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\***

Tank ID	Internal Examinations		
	Previous	Last	Next
Machinery deck	-	10Dec2012	-
Machinery deck (SLOP)	-	10Dec2012	-

**\*Cargo Tanks\***

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1 P/S	-	10Dec2012	10Dec2022	-	10Dec2012	10Dec2017
2 P/S	-	10Dec2012	10Dec2022	-	10Dec2012	10Dec2017
3 P/S	-	10Dec2012	10Dec2022	-	10Dec2012	10Dec2017

**Hydro Test**

Tank Id	Safety Valves	Previous	Last	Next
1 P/S	-	-	10Dec2012	-
2 P/S	-	-	10Dec2012	-
3 P/S	-	-	10Dec2012	-

**---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	B-II

**---Certificate Amendments---**

Unit Amending	Amendment Date	Amendment Remark
Marine Safety Unit Baton Rouge	19Feb2016	Completed Periodic Inspection.
Sector Houston/Galveston	29Sep2016	COI amended to reflect new owner and operator.
Sector Houston/Galveston	08Feb2017	Completed Annual Inspection.
Sector Houston/Galveston	15Feb2017	Amended COI to add tandem loading.

\*\*\*END\*\*\*