

**Bolivar Barge Cleaning Service, LLC**

MARINE

VESSELS

VAPOR TIGHTNESS DOCUMENTATION

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

VESSEL: E2MS 300 OFFICIAL NUMBER : 1243228  
 TESTING LOCATION: Bayou Fleet MAXIMUM LOADING RATE (BPH): \_\_\_\_\_  
 TANK(S) TESTED: all PRESSURE INDICATOR: \_\_\_\_\_  
 VESSEL OWNER AND ADDRESS: E SQUARE MARINES

TEST RESULTS:

TEST DATE: 11-8-2018  
 BEGINNING PRESSURE: 28 in.H2O BEGINNING TIME : 1915  
 ENDING PRESSURE: 27.IN H2O ENDING TIME : 2015  
 TOTAL PRESSURE LOSS : 1IN H2O ALLOWABLE PRESSURE LOSS: \_\_\_\_\_

*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: *Has Thimble* (PRINT) WITNESS: *Zy Wain* (PRINT)  
 TESTER: *Has Thimble* (SIGN) WITNESS: *Zy Wain* (SIGN)

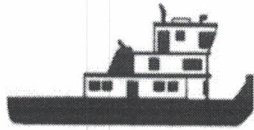
\_\_\_\_\_  
AFFILIATION OF WITNESS

**CALCULATION OF ALLOWABLE PRESSURE LOSS:**

$$0.861 \times \frac{\text{TP}}{\text{(TP)}} \times \frac{\text{L}}{\text{(L)}} \times \frac{\text{V}}{\text{(V)}} = \text{APL} \text{ (APL)}$$

TP = 14.7 PLUS THE BARGE TEST PRESSURE IN PSI (1 psi = 16 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
  - 1oz=1.729 inches of H2O



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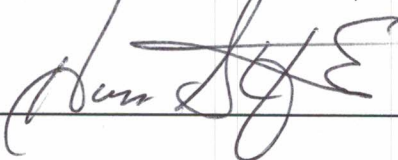
**HOSE AND PIPELINE TESTS**

VESSEL: E2MS 300 OFFICIAL #: 1243228

THE FOLLOWING ITEMS HAVE BEEN CHECKED AND TESTED IN ACCORDANCE WITH  
46CFR 35.35-70 AND 33CFR 156.170 ON 11-8-2018  
(Date)

- |            |  |
|------------|--|
| <u>YES</u> | PRESSURE GAUGES HAVE BEEN CHECKED WITHIN 10% ACCURACY  |
| <u>N/A</u> | EMERGENCY SHUTDOWN HAS BEEN CHECKED AND FOUND OPERABLE   |
| <u>N/A</u> | TRANSFER SYSTEM RELIEF VALVE HAS BEEN TESTED AND CHECKED - 125 P.S.I.                          |
| <u>YES</u> | ALL TRANSFER PIPING SYSTEMS AND ASSOCIATED VALVES HAVE BEEN TESTED AND CHECKED AT 187.5 P.S.I. |
| <u>YES</u> | CARGO HOSE VISUALLY AND HYDROSTATICALLY TESTED TO 225 PSI                                      |

THE ABOVE ITEMS CHECKED, TESTED AND VERIFIED BY:

  
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