



BARGE "EMS 3055"

ULLAGE TRIM TABLE
10" HATCH

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/4	-00-1/4	00-1/4	-00-1/4	00-3/8	-00-3/8	00-1/2	-00-1/2
1 STBD	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/4	-00-1/4	00-1/4	-00-1/4	00-3/8	-00-3/8	00-3/8	-00-3/8
2 PORT	-00-1/4	00-1/4	-00-1/2	00-1/2	-00-7/8	00-7/8	-01-1/8	01-1/8	-01-3/8	01-3/8	-01-5/8	01-5/8
2 STBD	-00-1/4	00-1/4	-00-1/2	00-1/2	-00-7/8	00-7/8	-01-1/8	01-1/8	-01-3/8	01-3/8	-01-5/8	01-5/8
3 PORT	00-5/8	-00-5/8	01-1/8	-01-1/8	01-3/4	-01-3/4	02-1/4	-02-1/4	02-7/8	-02-7/8	03-3/8	-03-3/8
3 STBD	00-5/8	-00-5/8	01-1/8	-01-1/8	01-3/4	-01-3/4	02-1/4	-02-1/4	02-7/8	-02-7/8	03-3/8	-03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

$$\begin{array}{l}
 \text{FWD. DRAFT} = 2'-00'' \\
 \text{AFT DRAFT} = 4'-00'' \\
 \text{DIFF.} = 2'-00'' \quad (\text{DOWN BY STERN})
 \end{array}$$

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS -00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-00"

December 4, 2023

PRECISION MEASUREMENT

& ANALYSIS, INC.
 P.O. Box 2092
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BARGE "EMS 3055"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS & OF 42 U.S. GALLONS												GAUGE HEIGHT 14'-04 3/4"											
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.				
0	0	0	4,328.93	0	4,000.00	0	3,669.67	0	3,338.98	0	3,008.28	0	2,677.59	0	2,346.89	0	2,016.07	0	1,685.15				
1/4	1/4	1/2	4,322.12	1/4	3,993.15	1/2	3,662.78	3/4	3,332.09	1/4	3,001.39	1/2	2,670.70	1/4	2,340.00	1/2	2,009.18	1/4	1,678.25				
1/2	1/2	3/4	4,315.51	1/2	3,986.29	1/2	3,655.89	1/2	3,325.20	1/2	2,994.50	1/2	2,663.81	1/2	2,332.88	1/2	2,002.38	1/2	1,671.36				
3/4	3/4	3/4	4,308.49	3/4	3,979.43	3/4	3,649.01	3/4	3,318.31	3/4	2,987.61	3/4	2,656.92	3/4	2,326.11	3/4	1,995.39	3/4	1,664.47				
1	1	1	4,301.67	1	3,972.57	1	3,642.12	1	3,311.42	1	2,980.72	1	2,650.03	1	2,319.33	1	1,988.49	1	1,657.57				
1/4	1/4	1/2	4,294.85	1/4	3,965.72	1/4	3,635.23	1/4	3,304.53	1/4	2,973.83	1/4	2,643.14	1/4	2,312.44	1/4	1,981.60	1/4	1,650.88				
1/2	1/2	3/4	4,288.00	1/2	3,958.86	1/2	3,628.34	1/2	3,297.64	1/2	2,966.94	1/2	2,636.25	1/2	2,305.55	1/2	1,974.71	1/2	1,643.78				
3/4	3/4	3/4	4,281.14	3/4	3,952.00	3/4	3,621.45	3/4	3,290.75	3/4	2,960.06	3/4	2,629.36	3/4	2,298.66	3/4	1,967.81	3/4	1,636.89				
2	2	2	4,274.28	2	3,945.15	2	3,614.56	2	3,283.86	2	2,953.17	2	2,622.47	2	2,291.77	2	1,960.92	2	1,630.00				
1/4	1/4	1/2	4,267.43	1/4	3,938.29	1/4	3,607.67	1/4	3,276.97	1/4	2,946.28	1/4	2,615.58	1/4	2,284.88	1/4	1,954.02	1/4	1,623.10				
1/2	1/2	3/4	4,260.57	1/2	3,931.42	1/2	3,600.78	1/2	3,270.08	1/2	2,939.39	1/2	2,608.69	1/2	2,277.99	1/2	1,947.13	1/2	1,616.21				
3/4	3/4	3/4	4,253.71	3/4	3,924.55	3/4	3,593.89	3/4	3,263.19	3/4	2,932.50	3/4	2,601.80	3/4	2,271.11	3/4	1,940.23	3/4	1,609.31				
3	3	3	4,246.85	3	3,917.68	3	3,587.00	3	3,256.30	3	2,925.61	3	2,594.91	3	2,264.22	3	1,933.34	3	1,602.42				
1/4	1/4	1/2	4,240.00	1/4	3,910.81	1/4	3,580.11	1/4	3,249.41	1/4	2,918.72	1/4	2,588.02	1/4	2,257.33	1/4	1,926.45	1/4	1,595.52				
1/2	1/2	3/4	4,233.14	1/2	3,903.92	1/2	3,573.22	1/2	3,242.52	1/2	2,911.83	1/2	2,581.13	1/2	2,250.44	1/2	1,919.55	1/2	1,588.63				
3/4	3/4	3/4	4,226.28	3/4	3,897.03	3/4	3,566.33	3/4	3,235.64	3/4	2,904.94	3/4	2,574.24	3/4	2,243.55	3/4	1,912.66	3/4	1,581.74				
4	4	4	4,219.43	4	3,890.14	4	3,559.44	4	3,228.75	4	2,898.05	4	2,567.35	4	2,236.66	4	1,905.76	4	1,574.84				
1/4	1/4	1/2	4,212.57	1/4	3,883.25	1/4	3,552.55	1/4	3,221.86	1/4	2,891.16	1/4	2,560.46	1/4	2,229.77	1/4	1,898.87	1/4	1,567.95				
1/2	1/2	3/4	4,205.71	1/2	3,876.36	1/2	3,545.66	1/2	3,214.97	1/2	2,884.27	1/2	2,553.57	1/2	2,222.88	1/2	1,891.97	1/2	1,561.05				
3/4	3/4	3/4	4,198.86	3/4	3,869.47	3/4	3,538.77	3/4	3,208.08	3/4	2,877.38	3/4	2,546.69	3/4	2,215.99	3/4	1,885.08	3/4	1,554.16				
5	5	5	4,192.00	5	3,862.58	5	3,531.88	5	3,201.19	5	2,870.49	5	2,539.80	5	2,209.10	5	1,878.19	5	1,547.26				
1/4	1/4	1/2	4,185.14	1/4	3,855.69	1/4	3,524.99	1/4	3,194.30	1/4	2,863.60	1/4	2,532.91	1/4	2,202.21	1/4	1,871.29	1/4	1,540.37				
1/2	1/2	3/4	4,178.28	1/2	3,848.80	1/2	3,518.10	1/2	3,187.41	1/2	2,856.71	1/2	2,526.02	1/2	2,195.32	1/2	1,864.40	1/2	1,533.48				
3/4	3/4	3/4	4,171.43	3/4	3,841.91	3/4	3,511.22	3/4	3,180.52	3/4	2,849.82	3/4	2,519.13	3/4	2,188.43	3/4	1,857.50	3/4	1,526.58				
6	6	6	4,164.57	6	3,835.02	6	3,504.33	6	3,173.63	6	2,842.93	6	2,512.24	6	2,181.53	6	1,850.61	6	1,519.69				
1/4	1/4	1/2	4,157.71	1/4	3,828.13	1/4	3,497.44	1/4	3,166.74	1/4	2,836.04	1/4	2,505.35	1/4	2,174.64	1/4	1,843.72	1/4	1,512.79				
1/2	1/2	3/4	4,150.86	1/2	3,821.24	1/2	3,490.55	1/2	3,159.85	1/2	2,829.15	1/2	2,498.46	1/2	2,167.74	1/2	1,836.82	1/2	1,505.90				
3/4	3/4	3/4	4,144.00	3/4	3,814.35	3/4	3,483.66	3/4	3,152.96	3/4	2,822.27	3/4	2,491.57	3/4	2,160.85	3/4	1,829.93	3/4	1,499.01				
7	7	7	4,137.14	7	3,807.46	7	3,476.77	7	3,146.07	7	2,815.38	7	2,484.68	7	2,153.95	7	1,823.03	7	1,492.11				
1/4	1/4	1/2	4,130.29	1/4	3,800.57	1/4	3,469.88	1/4	3,139.18	1/4	2,808.49	1/4	2,477.79	1/4	2,147.06	1/4	1,816.14	1/4	1,485.22				
1/2	1/2	3/4	4,123.43	1/2	3,793.68	1/2	3,462.99	1/2	3,132.29	1/2	2,801.60	1/2	2,470.90	1/2	2,140.17	1/2	1,809.24	1/2	1,478.32				
3/4	3/4	3/4	4,116.57	3/4	3,786.80	3/4	3,456.10	3/4	3,125.40	3/4	2,794.71	3/4	2,464.01	3/4	2,133.27	3/4	1,802.33	3/4	1,471.43				
8	8	8	4,109.71	8	3,779.91	8	3,449.21	8	3,118.51	8	2,787.82	8	2,457.12	8	2,126.38	8	1,795.46	8	1,464.53				
1/4	1/4	1/2	4,102.86	1/4	3,773.02	1/4	3,442.32	1/4	3,111.62	1/4	2,780.93	1/4	2,450.23	1/4	2,119.48	1/4	1,788.56	1/4	1,457.64				
1/2	1/2	3/4	4,096.00	1/2	3,766.13	1/2	3,435.43	1/2	3,104.73	1/2	2,774.04	1/2	2,443.34	1/2	2,112.59	1/2	1,781.67	1/2	1,450.75				
3/4	3/4	3/4	4,089.14	3/4	3,759.24	3/4	3,428.54	3/4	3,097.85	3/4	2,767.15	3/4	2,436.45	3/4	2,105.70	3/4	1,774.77	3/4	1,443.85				
9	9	9	4,082.29	9	3,752.35	9	3,421.65	9	3,090.96	9	2,760.26	9	2,429.56	9	2,098.80	9	1,767.88	9	1,436.96				
1/4	1/4	1/2	4,075.43	1/4	3,745.46	1/4	3,414.76	1/4	3,084.07	1/4	2,753.37	1/4	2,422.67	1/4	2,091.91	1/4	1,760.99	1/4	1,430.06				
1/2	1/2	3/4	4,068.57	1/2	3,738.57	1/2	3,407.87	1/2	3,077.18	1/2	2,746.48	1/2	2,415.78	1/2	2,085.01	1/2	1,754.09	1/2	1,423.17				
3/4	3/4	3/4	4,061.72	3/4	3,731.68	3/4	3,400.98	3/4	3,070.29	3/4	2,739.59	3/4	2,408.90	3/4	2,078.12	3/4	1,747.20	3/4	1,416.28				
10	10	10	4,054.86	10	3,724.79	10	3,394.09	10	3,063.40	10	2,732.70	10	2,402.01	10	2,071.22	10	1,740.30	10	1,409.38				
1/4	1/4	1/2	4,048.00	1/4	3,717.90	1/4	3,387.20	1/4	3,056.51	1/4	2,725.81	1/4	2,395.12	1/4	2,064.33	1/4	1,733.41	1/4	1,402.49				
1/2	1/2	3/4	4,041.14	1/2	3,711.01	1/2	3,380.31	1/2	3,049.62	1/2	2,718.92	1/2	2,388.23	1/2	2,057.44	1/2	1,726.51	1/2	1,395.60				
3/4	3/4	3/4	4,034.29	3/4	3,704.12	3/4	3,373.43	3/4	3,042.73	3/4	2,712.03	3/4	2,381.34	3/4	2,050.54	3/4	1,719.62	3/4	1,388.71				
11	11	11	4,027.43	11	3,697.23	11	3,366.54	11	3,035.84	11	2,705.14	11	2,374.45	11	2,043.65	11	1,712.73	11	1,381.83				
1/4	1/4	1/2	4,020.57	1/4	3,690.34	1/4	3,359.65	1/4	3,028.95	1/4	2,698.25	1/4	2,367.56	1/4	2,036.75	1/4	1,705.83	1/4	1,374.94				
1/2	1/2	3/4	4,013.72	1/2	3,683.45	1/2	3,352.76	1/2	3,022.06	1/2	2,691.36	1/2	2,360.67	1/2	2,029.86	1/2	1,698.94	1/2	1,368.02				
3/4	3/4	3/4	4,006.86	3/4	3,676.56	3/4	3,345.87	3/4	3,015.15	3/4	2,684.48	3/4	2,353.78	3/4	2,022.96	3/4	1,692.04	3/4	1,361.11				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.
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[Signature]

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 10" HATCH
GAUGE POINT: (10" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 4'-10" FORWARD OF AFT BULKHEAD.



1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS & OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,354.36	0	1,024.57	0	699.10	0	390.83	0	109.66	0		0		0		0		0	
1/4	1,347.50	1/4	1,017.73	1/4	692.43	1/4	384.66	1/4	104.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,340.64	1/2	1,010.90	1/2	685.81	1/2	378.53	1/2	98.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,333.78	3/4	1,004.07	3/4	679.18	3/4	372.60	3/4	92.93	3/4		3/4		3/4		3/4		3/4	
1	1,326.92	1	997.24	1	672.55	1	366.58	1	87.37	1		1		1		1		1	
1 1/4	1,320.06	1 1/4	990.40	1 1/4	665.92	1 1/4	360.55	1 1/4	81.80	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,313.20	1 1/2	983.58	1 1/2	659.34	1 1/2	354.56	1 1/2	76.42	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	1,306.34	1 3/4	976.75	1 3/4	652.75	1 3/4	348.56	1 3/4	71.04	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
2	1,299.48	2	969.92	2	646.16	2	342.57	2	65.66	2		2		2		2		2	
1/4	1,292.62	1/4	963.09	1/4	639.58	1/4	336.58	1/4	60.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,285.76	1/2	956.26	1/2	633.03	1/2	330.63	1/2	55.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,278.90	3/4	949.43	3/4	626.48	3/4	324.68	3/4	51.04	3/4		3/4		3/4		3/4		3/4	
3	1,272.04	3	942.61	3	619.94	3	318.73	3	46.42	3		3		3		3		3	
1/4	1,265.18	1/4	935.78	1/4	613.39	1/4	312.78	1/4	41.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,258.32	1/2	928.95	1/2	606.88	1/2	306.88	1/2	38.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,251.46	3/4	922.12	3/4	600.36	3/4	300.97	3/4	34.92	3/4		3/4		3/4		3/4		3/4	
4	1,244.60	4	915.29	4	593.85	4	295.06	4	31.48	4		4		4		4		4	
1/4	1,237.74	1/4	908.46	1/4	587.34	1/4	289.16	1/4	28.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,230.87	1/2	901.63	1/2	580.86	1/2	283.29	1/2	25.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,224.00	3/4	894.80	3/4	574.39	3/4	277.42	3/4	22.85	3/4		3/4		3/4		3/4		3/4	
5	1,217.13	5	887.97	5	567.92	5	271.56	5	20.25	5		5		5		5		5	
1/4	1,210.26	1/4	881.14	1/4	561.45	1/4	265.69	1/4	17.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,203.37	1/2	874.32	1/2	555.01	1/2	259.85	1/2	15.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,196.47	3/4	867.50	3/4	548.58	3/4	254.02	3/4	12.45	3/4		3/4		3/4		3/4		3/4	
6	1,189.58	6	860.67	6	542.15	6	248.19	6	9.85	6		6		6		6		6	
1/4	1,182.69	1/4	853.85	1/4	535.71	1/4	242.35	1/4	7.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,175.79	1/2	847.06	1/2	529.31	1/2	236.56	1/2	4.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,168.90	3/4	840.26	3/4	522.92	3/4	230.77	3/4	2.05	3/4		3/4		3/4		3/4		3/4	
7	1,162.00	7	833.47	7	516.52	7	224.98	7	0.45	7		7		7		7		7	
1/4	1,155.11	1/4	826.67	1/4	510.12	1/4	219.18	1/4	0.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,148.21	1/2	819.92	1/2	503.76	1/2	213.40	1/2	0.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,141.32	3/4	813.16	3/4	497.40	3/4	207.61	3/4	0.65	3/4		3/4		3/4		3/4		3/4	
8	1,134.43	8	806.40	8	491.04	8	201.82	8	0.05	8		8		8		8		8	
1/4	1,127.53	1/4	799.65	1/4	484.68	1/4	196.04	1/4	0.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,120.64	1/2	792.92	1/2	478.37	1/2	190.18	1/2	0.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,113.74	3/4	786.19	3/4	472.05	3/4	184.33	3/4	0.25	3/4		3/4		3/4		3/4		3/4	
9	1,106.85	9	779.47	9	465.73	9	178.48	9	0.65	9		9		9		9		9	
1/4	1,099.96	1/4	772.74	1/4	459.42	1/4	172.63	1/4	0.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,093.07	1/2	766.04	1/2	453.14	1/2	166.82	1/2	0.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,086.19	3/4	759.33	3/4	446.86	3/4	161.01	3/4	0.85	3/4		3/4		3/4		3/4		3/4	
10	1,079.31	10	752.63	10	440.59	10	155.20	10	0.25	10		10		10		10		10	
1/4	1,072.43	1/4	745.92	1/4	434.31	1/4	149.39	1/4	0.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,065.59	1/2	739.22	1/2	428.07	1/2	143.66	1/2	0.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,058.75	3/4	732.52	3/4	421.82	3/4	137.92	3/4	0.45	3/4		3/4		3/4		3/4		3/4	
11	1,051.90	11	725.81	11	415.58	11	132.18	11	0.85	11		11		11		11		11	
1/4	1,045.06	1/4	719.11	1/4	409.33	1/4	126.45	1/4	0.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,038.23	1/2	712.44	1/2	403.17	1/2	120.85	1/2	0.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,031.40	3/4	705.77	3/4	397.00	3/4	115.25	3/4	0.05	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2023 JS
CALCULATED: 12/04/2023 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmaacorp.net>



BARGE "EMS 3055"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,359.29	0	1,030.06	0	704.19	0	396.12	0	115.00	0		0		0		0		0	
1/4	1,352.44	1/4	1,023.22	1/4	697.54	1/4	389.96	1/4	109.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,345.60	1/2	1,016.38	1/2	690.89	1/2	383.81	1/2	103.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,338.75	3/4	1,009.54	3/4	684.27	3/4	377.80	3/4	98.28	3/4		3/4		3/4		3/4		3/4	
1	1,331.91	1	1,002.70	1	677.66	1	371.78	1	92.73	1		1		1		1		1	
1/4	1,325.06	1/4	995.86	1/4	671.05	1/4	365.77	1/4	87.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,318.22	1/2	989.02	1/2	664.44	1/2	359.75	1/2	81.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,311.37	3/4	982.18	3/4	657.86	3/4	353.77	3/4	76.26	3/4		3/4		3/4		3/4		3/4	
2	1,304.53	2	975.34	2	651.29	2	347.79	2	70.89	2		2		2		2		2	
1/4	1,297.69	1/4	968.50	1/4	644.72	1/4	341.81	1/4	65.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,290.84	1/2	961.67	1/2	638.15	1/2	335.84	1/2	60.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,284.00	3/4	954.83	3/4	631.62	3/4	329.90	3/4	55.54	3/4		3/4		3/4		3/4		3/4	
3	1,277.15	3	947.99	3	625.09	3	323.97	3	50.93	3		3		3		3		3	
1/4	1,270.31	1/4	941.15	1/4	618.55	1/4	318.03	1/4	46.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,263.46	1/2	934.32	1/2	612.02	1/2	312.10	1/2	41.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,256.62	3/4	927.48	3/4	605.52	3/4	306.20	3/4	38.27	3/4		3/4		3/4		3/4		3/4	
4	1,249.77	4	920.64	4	599.03	4	300.31	4	34.84	4		4		4		4		4	
1/4	1,242.93	1/4	913.80	1/4	592.53	1/4	294.42	1/4	31.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,236.09	1/2	906.97	1/2	586.03	1/2	288.52	1/2	27.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,229.23	3/4	900.13	3/4	579.57	3/4	282.67	3/4	25.39	3/4		3/4		3/4		3/4		3/4	
5	1,222.38	5	893.29	5	573.11	5	276.81	5	22.80	5		5		5		5		5	
1/4	1,215.53	1/4	886.45	1/4	566.66	1/4	270.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,208.67	1/2	879.62	1/2	560.20	1/2	265.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,201.80	3/4	872.78	3/4	553.78	3/4	259.28	3/4		3/4		3/4		3/4		3/4		3/4	
6	1,194.92	6	865.95	6	547.36	6	253.46	6		6		6		6		6		6	
1/4	1,188.04	1/4	859.12	1/4	540.94	1/4	247.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,181.16	1/2	852.29	1/2	534.52	1/2	241.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,174.28	3/4	845.49	3/4	528.14	3/4	236.04	3/4		3/4		3/4		3/4		3/4		3/4	
7	1,167.41	7	838.69	7	521.75	7	230.26	7		7		7		7		7		7	
1/4	1,160.53	1/4	831.88	1/4	515.37	1/4	224.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,153.65	1/2	825.08	1/2	508.98	1/2	218.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,146.77	3/4	818.32	3/4	502.64	3/4	212.93	3/4		3/4		3/4		3/4		3/4		3/4	
8	1,139.89	8	811.55	8	496.30	8	207.15	8		8		8		8		8		8	
1/4	1,133.01	1/4	804.78	1/4	489.95	1/4	201.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,126.14	1/2	798.02	1/2	483.61	1/2	195.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,119.26	3/4	791.28	3/4	477.31	3/4	189.77	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,112.38	9	784.55	9	471.00	9	183.93	9		9		9		9		9		9	
1/4	1,105.50	1/4	777.81	1/4	464.70	1/4	178.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,098.62	1/2	771.08	1/2	458.40	1/2	172.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,091.75	3/4	764.37	3/4	452.14	3/4	166.46	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,084.88	10	757.67	10	445.87	10	160.66	10		10		10		10		10		10	
1/4	1,078.01	1/4	750.96	1/4	439.61	1/4	154.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,071.14	1/2	744.25	1/2	433.35	1/2	149.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,064.29	3/4	737.56	3/4	427.12	3/4	143.34	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,057.44	11	730.87	11	420.89	11	137.62	11		11		11		11		11		11	
1/4	1,050.59	1/4	724.19	1/4	414.66	1/4	131.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,043.74	1/2	717.50	1/2	408.43	1/2	126.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,036.90	3/4	710.85	3/4	402.27	3/4	120.59	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2023 JS
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CANCELLED AND SUPERCEDES
 ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3055"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-04 3/4"

IN	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	1,691.37	0	1,308.27	0	929.32	0	540.82	0	158.14	0		0								
1/4	1,683.46	1/4	1,300.41	1/4	921.23	1/4	532.76	1/4	150.21	1/4		1/4								
1/2	1,675.55	1/2	1,292.56	1/2	913.13	1/2	524.83	1/2	142.28	1/2		1/2								
3/4	1,667.63	3/4	1,284.70	3/4	905.03	3/4	516.89	3/4	134.35	3/4		3/4								
1	1,659.72	1	1,276.85	1	896.94	1	508.95	1	126.42	1		1								
1/4	1,651.81	1/4	1,269.00	1/4	888.84	1/4	501.02	1/4	118.49	1/4		1/4								
1/2	1,643.90	1/2	1,261.14	1/2	880.75	1/2	493.08	1/2	110.72	1/2		1/2								
3/4	1,635.99	3/4	1,253.29	3/4	872.65	3/4	485.15	3/4	102.96	3/4		3/4								
2	1,628.07	2	1,245.44	2	864.55	2	477.21	2	95.20	2		2								
1/4	1,620.16	1/4	1,237.59	1/4	856.46	1/4	469.28	1/4	87.44	1/4		1/4								
1/2	1,612.25	1/2	1,229.74	1/2	848.36	1/2	461.35	1/2	80.52	1/2		1/2								
3/4	1,604.34	3/4	1,221.88	3/4	840.26	3/4	453.42	3/4	73.60	3/4		3/4								
3	1,596.43	3	1,214.03	3	832.17	3	445.48	3	66.68	3		3								
1/4	1,588.52	1/4	1,206.18	1/4	824.07	1/4	437.55	1/4	59.77	1/4		1/4								
1/2	1,580.60	1/2	1,198.33	1/2	815.98	1/2	429.62	1/2	54.20	1/2		1/2								
3/4	1,572.69	3/4	1,190.47	3/4	807.88	3/4	421.69	3/4	48.63	3/4		3/4								
4	1,564.78	4	1,182.62	4	799.78	4	413.76	4	43.06	4		4								
1/4	1,556.87	1/4	1,174.77	1/4	791.69	1/4	405.83	1/4	37.49	1/4		1/4								
1/2	1,548.91	1/2	1,166.92	1/2	783.59	1/2	397.90	1/2	33.27	1/2		1/2								
3/4	1,540.95	3/4	1,159.07	3/4	775.49	3/4	389.97	3/4	29.05	3/4		3/4								
5	1,532.99	5	1,151.21	5	767.40	5	382.04	5	25.00	5		5								
1/4	1,525.03	1/4	1,143.36	1/4	759.30	1/4	374.11	1/4	21.00	1/4		1/4								
1/2	1,516.93	1/2	1,135.51	1/2	751.20	1/2	366.18	1/2	17.00	1/2		1/2								
3/4	1,508.84	3/4	1,127.66	3/4	743.11	3/4	358.25	3/4	13.00	3/4		3/4								
6	1,500.74	6	1,119.81	6	735.01	6	350.32	6	9.00	6		6								
1/4	1,492.64	1/4	1,111.95	1/4	726.92	1/4	342.39	1/4	5.00	1/4		1/4								
1/2	1,484.54	1/2	1,104.10	1/2	718.82	1/2	334.45	1/2	1.00	1/2		1/2								
3/4	1,476.44	3/4	1,096.25	3/4	710.72	3/4	326.52	3/4	0.00	3/4		3/4								
7	1,468.34	7	1,088.39	7	702.63	7	318.59	7	0.00	7		7								
1/4	1,460.24	1/4	1,080.54	1/4	694.53	1/4	310.66	1/4	0.00	1/4		1/4								
1/2	1,452.15	1/2	1,072.69	1/2	686.43	1/2	302.69	1/2	0.00	1/2		1/2								
3/4	1,444.05	3/4	1,064.83	3/4	678.34	3/4	294.72	3/4	0.00	3/4		3/4								
8	1,435.95	8	1,056.98	8	670.24	8	286.76	8	0.00	8		8								
1/4	1,427.85	1/4	1,049.12	1/4	662.15	1/4	278.79	1/4	0.00	1/4		1/4								
1/2	1,419.75	1/2	1,041.26	1/2	654.05	1/2	270.70	1/2	0.00	1/2		1/2								
3/4	1,411.65	3/4	1,033.41	3/4	645.95	3/4	262.62	3/4	0.00	3/4		3/4								
9	1,403.55	9	1,025.55	9	637.86	9	254.53	9	0.00	9		9								
1/4	1,395.45	1/4	1,017.69	1/4	629.76	1/4	246.45	1/4	0.00	1/4		1/4								
1/2	1,387.41	1/2	1,009.77	1/2	621.66	1/2	238.37	1/2	0.00	1/2		1/2								
3/4	1,379.37	3/4	1,001.84	3/4	613.57	3/4	230.28	3/4	0.00	3/4		3/4								
10	1,371.33	10	993.92	10	605.47	10	222.20	10	0.00	10		10								
1/4	1,363.29	1/4	986.00	1/4	597.38	1/4	214.11	1/4	0.00	1/4		1/4								
1/2	1,355.43	1/2	977.90	1/2	589.28	1/2	206.07	1/2	0.00	1/2		1/2								
3/4	1,347.56	3/4	969.80	3/4	581.18	3/4	198.02	3/4	0.00	3/4		3/4								
11	1,339.70	11	961.71	11	573.09	11	189.98	11	0.00	11		11								
1/4	1,331.83	1/4	953.61	1/4	564.99	1/4	181.93	1/4	0.00	1/4		1/4								
1/2	1,323.98	1/2	945.52	1/2	556.93	1/2	174.00	1/2	0.00	1/2		1/2								
3/4	1,316.12	3/4	937.42	3/4	548.88	3/4	166.07	3/4	0.00	3/4		3/4								

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "EMS 3055"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS & OF 42 U.S. GALLONS												GAUGE HEIGHT 14'-04 1/2"											
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.				
0	0	5,165.46	0	4,779.61	0	4,392.17	0	4,004.30	0	3,616.42	0	3,228.55	0	2,840.68	0	2,452.85	0	2,064.52					
1/4	1/4	5,157.46	1/4	4,771.57	1/4	4,384.09	1/4	3,996.22	1/4	3,608.34	1/4	3,220.47	1/4	2,832.60	1/4	2,444.56	1/4	2,056.43					
1/2	1/2	5,149.46	1/2	4,763.53	1/2	4,376.01	1/2	3,988.14	1/2	3,600.26	1/2	3,212.39	1/2	2,824.51	1/2	2,436.47	1/2	2,048.35					
3/4	3/4	5,141.47	3/4	4,755.49	3/4	4,367.93	3/4	3,980.05	3/4	3,592.12	3/4	3,204.31	3/4	2,816.43	3/4	2,428.39	3/4	2,040.26					
1	1	5,133.47	1	4,747.45	1	4,359.85	1	3,971.97	1	3,584.10	1	3,196.23	1	2,808.35	1	2,420.30	1	2,032.17					
1/4	1/4	5,125.43	1/4	4,739.40	1/4	4,351.77	1/4	3,963.89	1/4	3,576.02	1/4	3,188.15	1/4	2,800.27	1/4	2,412.22	1/4	2,024.09					
1/2	1/2	5,117.39	1/2	4,731.36	1/2	4,343.69	1/2	3,955.81	1/2	3,567.94	1/2	3,180.07	1/2	2,792.19	1/2	2,404.13	1/2	2,016.00					
3/4	3/4	5,109.35	3/4	4,723.32	3/4	4,335.61	3/4	3,947.73	3/4	3,559.86	3/4	3,171.98	3/4	2,784.11	3/4	2,396.04	3/4	2,007.92					
2	2	5,101.30	2	4,715.28	2	4,327.52	2	3,939.65	2	3,551.78	2	3,163.90	2	2,776.03	2	2,387.96	2	1,999.83					
1/4	1/4	5,093.26	1/4	4,707.23	1/4	4,319.44	1/4	3,931.57	1/4	3,543.70	1/4	3,155.82	1/4	2,767.95	1/4	2,379.87	1/4	1,991.74					
1/2	1/2	5,085.22	1/2	4,699.18	1/2	4,311.36	1/2	3,923.49	1/2	3,535.62	1/2	3,147.74	1/2	2,759.87	1/2	2,371.79	1/2	1,983.66					
3/4	3/4	5,077.18	3/4	4,691.13	3/4	4,303.28	3/4	3,915.41	3/4	3,527.54	3/4	3,139.66	3/4	2,751.79	3/4	2,363.70	3/4	1,975.57					
3	3	5,069.13	3	4,683.08	3	4,295.20	3	3,907.33	3	3,519.45	3	3,131.58	3	2,743.71	3	2,355.61	3	1,967.49					
1/4	1/4	5,061.09	1/4	4,674.99	1/4	4,287.12	1/4	3,899.25	1/4	3,511.37	1/4	3,123.50	1/4	2,735.63	1/4	2,347.53	1/4	1,959.40					
1/2	1/2	5,053.05	1/2	4,666.91	1/2	4,279.04	1/2	3,891.17	1/2	3,503.29	1/2	3,115.42	1/2	2,727.55	1/2	2,339.44	1/2	1,951.31					
3/4	3/4	5,045.01	3/4	4,658.83	3/4	4,270.96	3/4	3,883.09	3/4	3,495.21	3/4	3,107.34	3/4	2,719.47	3/4	2,331.36	3/4	1,943.23					
4	4	5,036.97	4	4,650.75	4	4,262.88	4	3,875.01	4	3,487.13	4	3,099.26	4	2,711.38	4	2,323.27	4	1,935.14					
1/4	1/4	5,028.92	1/4	4,642.67	1/4	4,254.80	1/4	3,866.92	1/4	3,479.05	1/4	3,091.18	1/4	2,703.30	1/4	2,315.18	1/4	1,927.06					
1/2	1/2	5,020.88	1/2	4,634.59	1/2	4,246.72	1/2	3,858.84	1/2	3,470.97	1/2	3,083.10	1/2	2,695.22	1/2	2,307.10	1/2	1,918.97					
3/4	3/4	5,012.84	3/4	4,626.51	3/4	4,238.64	3/4	3,850.76	3/4	3,462.89	3/4	3,075.02	3/4	2,687.14	3/4	2,299.01	3/4	1,910.88					
5	5	5,004.80	5	4,618.43	5	4,230.56	5	3,842.68	5	3,454.81	5	3,066.94	5	2,679.05	5	2,290.94	5	1,902.80					
1/4	1/4	5,353.16	1/4	4,996.75	1/4	4,610.35	1/4	4,222.48	1/4	3,834.60	1/4	3,446.73	1/4	3,058.85	1/4	2,670.97	1/4	2,282.84					
1/2	1/2	5,358.20	1/2	4,988.71	1/2	4,602.27	1/2	4,214.39	1/2	3,826.52	1/2	3,438.65	1/2	3,050.77	1/2	2,662.88	1/2	2,274.75					
3/4	3/4	5,353.25	3/4	4,980.67	3/4	4,594.19	3/4	4,206.31	3/4	3,818.44	3/4	3,430.57	3/4	3,042.69	3/4	2,654.80	3/4	2,266.67					
6	6	5,348.29	6	4,972.63	6	4,586.11	6	4,198.23	6	3,810.36	6	3,422.49	6	3,034.61	6	2,646.71	6	2,258.58					
1/4	1/4	5,341.99	1/4	4,964.59	1/4	4,578.03	1/4	4,190.15	1/4	3,802.28	1/4	3,414.41	1/4	3,026.53	1/4	2,638.62	1/4	2,250.50					
1/2	1/2	5,335.69	1/2	4,956.54	1/2	4,569.95	1/2	4,182.07	1/2	3,794.20	1/2	3,406.32	1/2	3,018.45	1/2	2,630.54	1/2	2,242.41					
3/4	3/4	5,329.39	3/4	4,948.50	3/4	4,561.87	3/4	4,173.99	3/4	3,786.12	3/4	3,398.24	3/4	3,010.37	3/4	2,622.42	3/4	2,234.32					
7	7	5,323.09	7	4,940.46	7	4,553.78	7	4,165.91	7	3,778.04	7	3,390.16	7	3,002.29	7	2,614.37	7	2,226.24					
1/4	1/4	5,315.01	1/4	4,932.42	1/4	4,545.70	1/4	4,157.83	1/4	3,769.96	1/4	3,382.08	1/4	2,994.21	1/4	2,606.28	1/4	2,218.15					
1/2	1/2	5,308.13	1/2	4,924.37	1/2	4,537.62	1/2	4,149.75	1/2	3,761.88	1/2	3,374.00	1/2	2,986.13	1/2	2,598.19	1/2	2,210.07					
3/4	3/4	5,300.65	3/4	4,916.33	3/4	4,529.54	3/4	4,141.67	3/4	3,753.80	3/4	3,365.92	3/4	2,978.05	3/4	2,590.11	3/4	2,201.97					
8	8	5,293.16	8	4,908.29	8	4,521.46	8	4,133.59	8	3,745.71	8	3,357.84	8	2,969.97	8	2,582.02	8	2,193.89					
1/4	1/4	5,285.18	1/4	4,900.25	1/4	4,513.38	1/4	4,125.51	1/4	3,737.63	1/4	3,349.76	1/4	2,961.89	1/4	2,573.94	1/4	2,185.81					
1/2	1/2	5,277.20	1/2	4,892.21	1/2	4,505.30	1/2	4,117.43	1/2	3,729.55	1/2	3,341.68	1/2	2,953.81	1/2	2,565.85	1/2	2,177.72					
3/4	3/4	5,269.21	3/4	4,884.16	3/4	4,497.22	3/4	4,109.35	3/4	3,721.47	3/4	3,333.60	3/4	2,945.73	3/4	2,557.76	3/4	2,169.64					
9	9	5,261.23	9	4,876.12	9	4,489.14	9	4,101.27	9	3,713.39	9	3,325.52	9	2,937.64	9	2,549.68	9	2,161.55					
1/4	1/4	5,253.24	1/4	4,868.08	1/4	4,481.06	1/4	4,093.18	1/4	3,705.31	1/4	3,317.44	1/4	2,929.56	1/4	2,541.59	1/4	2,153.46					
1/2	1/2	5,245.26	1/2	4,860.04	1/2	4,472.98	1/2	4,085.10	1/2	3,697.23	1/2	3,309.36	1/2	2,921.48	1/2	2,533.51	1/2	2,145.38					
3/4	3/4	5,237.28	3/4	4,851.99	3/4	4,464.90	3/4	4,077.02	3/4	3,689.15	3/4	3,301.28	3/4	2,913.40	3/4	2,525.42	3/4	2,137.29					
10	10	5,229.30	10	4,843.95	10	4,456.82	10	4,068.94	10	3,681.07	10	3,293.20	10	2,905.32	10	2,517.33	10	2,129.21					
1/4	1/4	5,221.32	1/4	4,835.91	1/4	4,448.74	1/4	4,060.86	1/4	3,672.99	1/4	3,285.11	1/4	2,897.24	1/4	2,509.25	1/4	2,121.12					
1/2	1/2	5,213.34	1/2	4,827.87	1/2	4,440.65	1/2	4,052.78	1/2	3,664.91	1/2	3,277.03	1/2	2,889.16	1/2	2,501.16	1/2	2,113.03					
3/4	3/4	5,205.36	3/4	4,819.83	3/4	4,432.57	3/4	4,044.70	3/4	3,656.83	3/4	3,268.95	3/4	2,881.08	3/4	2,493.08	3/4	2,104.95					
11	11	5,197.38	11	4,811.78	11	4,424.49	11	4,036.62	11	3,648.75	11	3,260.87	11	2,873.00	11	2,484.99	11	2,096.86					
1/4	1/4	5,189.40	1/4	4,803.74	1/4	4,416.41	1/4	4,028.54	1/4	3,640.67	1/4	3,252.79	1/4	2,864.92	1/4	2,476.90	1/4	2,088.78					
1/2	1/2	5,181.42	1/2	4,795.70	1/2	4,408.33	1/2	4,020.46	1/2	3,632.58	1/2	3,244.71	1/2	2,856.84	1/2	2,468.82	1/2	2,080.69					
3/4	3/4	5,173.44	3/4	4,787.66	3/4	4,400.25	3/4	4,012.38	3/4	3,624.50	3/4	3,236.63	3/4	2,848.76	3/4	2,460.73	3/4	2,072.60					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 10" HATCH
 GAUGE POINT: (10" HATCH) LOCATED 42'-09" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.



BARGE "EMS 3055"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-04 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,676.39	0	1,291.90	0	919.79	0	531.93	0	149.97	0		0		0		0		0	
1/4	1,668.30	1/4	1,284.52	1/4	911.70	1/4	524.00	1/4	142.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,660.22	1/2	1,276.34	1/2	903.62	1/2	516.08	1/2	134.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,652.13	3/4	1,268.47	3/4	895.53	3/4	508.15	3/4	126.22	3/4		3/4		3/4		3/4		3/4	
1	1,644.05	1	1,261.19	1	887.45	1	500.23	1	118.30	1		1		1		1		1	
1/4	1,635.96	1/4	1,253.52	1/4	879.37	1/4	492.31	1/4	110.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,627.87	1/2	1,245.84	1/2	871.28	1/2	484.38	1/2	102.80	1/2		1/2		1/2		1/2		1/2	
3/4	1,619.79	3/4	1,238.17	3/4	863.20	3/4	476.46	3/4	95.05	3/4		3/4		3/4		3/4		3/4	
2	1,611.70	2	1,230.50	2	855.12	2	468.54	2	87.30	2		2		2		2		2	
1/4	1,603.62	1/4	1,222.82	1/4	847.03	1/4	460.62	1/4	80.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,595.53	1/2	1,215.15	1/2	838.95	1/2	452.70	1/2	73.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,587.44	3/4	1,207.48	3/4	830.87	3/4	444.78	3/4	66.58	3/4		3/4		3/4		3/4		3/4	
3	1,579.36	3	1,199.80	3	822.78	3	436.87	3	59.67	3		3		3		3		3	
1/4	1,571.27	1/4	1,192.13	1/4	814.70	1/4	428.95	1/4	54.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,563.19	1/2	1,184.46	1/2	806.61	1/2	421.03	1/2	48.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,555.10	3/4	1,176.78	3/4	798.53	3/4	413.11	3/4	42.99	3/4		3/4		3/4		3/4		3/4	
4	1,547.01	4	1,169.11	4	790.45	4	405.19	4	37.43	4		4		4		4		4	
1/4	1,538.93	1/4	1,161.43	1/4	782.36	1/4	397.28	1/4	33.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,530.84	1/2	1,153.76	1/2	774.28	1/2	389.36	1/2	29.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,522.76	3/4	1,146.09	3/4	766.20	3/4	381.44	3/4		3/4		3/4		3/4		3/4		3/4	
5	1,514.67	5	1,138.41	5	758.11	5	373.52	5		5		5		5		5		5	
1/4	1,506.58	1/4	1,130.74	1/4	750.03	1/4	365.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,498.50	1/2	1,123.07	1/2	741.94	1/2	357.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,490.41	3/4	1,115.39	3/4	733.86	3/4	349.77	3/4		3/4		3/4		3/4		3/4		3/4	
6	1,482.33	6	1,107.72	6	725.78	6	341.85	6		6		6		6		6		6	
1/4	1,474.24	1/4	1,100.04	1/4	717.69	1/4	333.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,466.15	1/2	1,092.37	1/2	709.61	1/2	326.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,458.07	3/4	1,084.70	3/4	701.53	3/4	318.09	3/4		3/4		3/4		3/4		3/4		3/4	
7	1,449.98	7	1,077.02	7	693.44	7	310.18	7		7		7		7		7		7	
1/4	1,441.90	1/4	1,069.34	1/4	685.36	1/4	302.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,433.81	1/2	1,061.67	1/2	677.27	1/2	294.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,425.72	3/4	1,053.99	3/4	669.19	3/4	286.31	3/4		3/4		3/4		3/4		3/4		3/4	
8	1,417.64	8	1,046.31	8	661.11	8	278.35	8		8		8		8		8		8	
1/4	1,409.55	1/4	1,038.64	1/4	653.02	1/4	270.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,401.47	1/2	1,030.96	1/2	644.94	1/2	262.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,393.38	3/4	1,023.28	3/4	636.86	3/4	254.13	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,385.29	9	1,015.60	9	628.77	9	246.06	9		9		9		9		9		9	
1/4	1,377.31	1/4	1,007.81	1/4	620.69	1/4	237.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,369.32	1/2	1,000.03	1/2	612.61	1/2	229.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,361.33	3/4	992.24	3/4	604.52	3/4	221.85	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,353.35	10	984.46	10	596.44	10	213.78	10		10		10		10		10		10	
1/4	1,345.66	1/4	976.37	1/4	588.35	1/4	205.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,337.97	1/2	968.29	1/2	580.27	1/2	197.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,330.29	3/4	960.20	3/4	572.19	3/4	189.68	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,322.60	11	952.12	11	564.10	11	181.65	11		11		11		11		11		11	
1/4	1,314.93	1/4	944.04	1/4	556.06	1/4	173.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,307.25	1/2	935.95	1/2	548.02	1/2	165.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,299.57	3/4	927.87	3/4	539.97	3/4	157.89	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2023 JS
 CALCULATED: 12/04/2023 CL
 PRINTED: 12/04/2023 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P. O. Box 2092
 Pearland, Texas 77588
<http://www.pmascorp.net>



BARGE "EMS 3055"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-04 1/2"

IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	1,572.92	1,216.00	857.36	486.29	140.64	0	0	0	0	0
1/4	1,565.58	1,208.55	849.84	488.91	133.27	0	0	0	0	0
1/2	1,558.23	1,201.10	842.31	481.53	125.90	0	0	0	0	0
3/4	1,550.88	1,193.65	834.79	474.15	118.53	0	0	0	0	0
1	1,543.53	1,186.20	827.26	466.77	111.15	0	0	0	0	0
1 1/4	1,536.18	1,178.75	819.74	459.39	103.94	0	0	0	0	0
1 1/2	1,528.83	1,171.30	812.21	452.02	96.73	0	0	0	0	0
1 3/4	1,521.48	1,163.85	804.69	444.64	89.51	0	0	0	0	0
2	1,514.14	1,156.41	797.16	437.26	82.30	0	0	0	0	0
1/4	1,506.79	1,148.96	789.64	429.89	75.87	0	0	0	0	0
1/2	1,499.44	1,141.51	782.11	422.52	69.44	0	0	0	0	0
3/4	1,492.09	1,134.06	774.59	415.14	63.01	0	0	0	0	0
3	1,484.74	1,126.61	767.06	407.77	56.59	0	0	0	0	0
1/4	1,477.39	1,119.16	759.54	400.40	51.41	0	0	0	0	0
1/2	1,470.04	1,111.71	752.01	393.03	46.24	0	0	0	0	0
3/4	1,462.69	1,104.26	744.48	385.65	41.07	0	0	0	0	0
4	1,455.35	1,096.81	736.96	378.28	35.90	0	0	0	0	0
1/4	1,447.95	1,089.37	729.43	370.91	31.98	0	0	0	0	0
1/2	1,440.56	1,081.92	721.91	363.53	28.07	0	0	0	0	0
3/4	1,433.17	1,074.47	714.38	356.16	24.15	0	0	0	0	0
5	1,425.78	1,067.02	706.86	348.79	20.23	0	0	0	0	0
1/4	1,418.25	1,059.57	699.33	341.42	16.31	0	0	0	0	0
1/2	1,410.73	1,052.12	691.81	334.04	12.39	0	0	0	0	0
3/4	1,403.20	1,044.67	684.28	326.67	8.47	0	0	0	0	0
6	1,395.68	1,037.22	676.76	319.30	4.55	0	0	0	0	0
1/4	1,388.15	1,029.77	669.23	311.92	0.63	0	0	0	0	0
1/2	1,380.63	1,022.33	661.71	304.55	0	0	0	0	0	0
3/4	1,373.11	1,014.88	654.18	297.18	0	0	0	0	0	0
7	1,365.58	1,007.43	646.66	289.80	0	0	0	0	0	0
1/4	1,358.07	999.96	639.13	282.40	0	0	0	0	0	0
1/2	1,350.55	992.50	631.61	274.99	0	0	0	0	0	0
3/4	1,343.04	985.04	624.08	267.58	0	0	0	0	0	0
8	1,335.52	977.58	616.56	260.17	0	0	0	0	0	0
1/4	1,328.04	970.08	609.03	252.66	0	0	0	0	0	0
1/2	1,320.55	962.59	601.51	245.14	0	0	0	0	0	0
3/4	1,313.06	955.09	593.98	237.62	0	0	0	0	0	0
9	1,305.58	947.60	586.46	230.11	0	0	0	0	0	0
1/4	1,298.10	940.09	578.93	222.59	0	0	0	0	0	0
1/2	1,290.62	932.58	571.41	215.08	0	0	0	0	0	0
3/4	1,283.13	925.07	563.88	207.56	0	0	0	0	0	0
10	1,275.65	917.56	556.35	200.05	0	0	0	0	0	0
1/4	1,268.19	910.04	548.83	192.57	0	0	0	0	0	0
1/2	1,260.73	902.51	541.30	185.09	0	0	0	0	0	0
3/4	1,253.27	894.99	533.78	177.61	0	0	0	0	0	0
11	1,245.81	887.46	526.25	170.13	0	0	0	0	0	0
1/4	1,238.36	879.94	518.76	162.66	0	0	0	0	0	0
1/2	1,230.91	872.41	511.27	155.38	0	0	0	0	0	0
3/4	1,223.46	864.89	503.78	148.01	0	0	0	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2023 JS
CALCULATED: 12/04/2023 CL
PRINTED: 12/04/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmascorp.net>



BARGE "EMS 3055"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-04 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	3,847.52	1/4	3,652.09	1/4	3,475.92	1/4	3,289.56	1/4	3,103.19	1/4	2,916.83	1/4	2,726.89	1/4	2,537.01	1/4	2,347.26	1/4	2,157.84
1/2	3,843.63	1/2	3,658.23	1/2	3,477.04	1/2	3,285.67	1/2	3,099.31	1/2	2,912.94	1/2	2,721.94	1/2	2,531.35	1/2	2,341.41	1/2	2,151.47
3/4	3,839.67	3/4	3,654.36	3/4	3,466.16	3/4	3,271.79	3/4	3,095.43	3/4	2,909.06	3/4	2,718.06	3/4	2,527.56	3/4	2,337.62	3/4	2,147.68
1	3,835.99	1	3,650.50	1	3,462.27	1	3,277.91	1	3,091.54	1	2,905.18	1	2,714.18	1	2,523.68	1	2,333.74	1	2,143.80
1 1/4	3,832.14	1 1/4	3,646.63	1 1/4	3,460.39	1 1/4	3,274.03	1 1/4	3,087.66	1 1/4	2,901.30	1 1/4	2,710.30	1 1/4	2,519.80	1 1/4	2,329.86	1 1/4	2,139.92
1 1/2	3,828.28	1 1/2	3,642.77	1 1/2	3,455.51	1 1/2	3,270.14	1 1/2	3,083.78	1 1/2	2,897.41	1 1/2	2,706.41	1 1/2	2,515.41	1 1/2	2,325.47	1 1/2	2,135.53
1 3/4	3,824.41	1 3/4	3,638.90	1 3/4	3,448.63	1 3/4	3,265.26	1 3/4	3,078.90	1 3/4	2,893.53	1 3/4	2,702.53	1 3/4	2,511.53	1 3/4	2,321.59	1 3/4	2,131.65
2	3,820.55	2	3,635.04	2	3,443.74	2	3,260.38	2	3,074.01	2	2,889.65	2	2,698.65	2	2,507.65	2	2,316.65	2	2,126.71
2 1/4	3,816.68	2 1/4	3,631.17	2 1/4	3,444.86	2 1/4	3,258.50	2 1/4	3,072.13	2 1/4	2,885.77	2 1/4	2,694.77	2 1/4	2,503.77	2 1/4	2,312.77	2 1/4	2,122.83
2 1/2	3,812.82	2 1/2	3,627.30	2 1/2	3,440.98	2 1/2	3,254.61	2 1/2	3,068.25	2 1/2	2,881.90	2 1/2	2,690.90	2 1/2	2,500.90	2 1/2	2,309.90	2 1/2	2,118.90
2 3/4	3,808.95	2 3/4	3,623.43	2 3/4	3,437.09	2 3/4	3,250.73	2 3/4	3,064.37	2 3/4	2,878.03	2 3/4	2,687.03	2 3/4	2,496.03	2 3/4	2,305.03	2 3/4	2,114.96
3	3,805.09	3	3,619.56	3	3,433.21	3	3,246.85	3	3,060.48	3	2,874.16	3	2,683.16	3	2,492.16	3	2,301.16	3	2,111.00
3 1/4	3,801.22	3 1/4	3,615.69	3 1/4	3,429.33	3 1/4	3,242.96	3 1/4	3,056.60	3 1/4	2,870.29	3 1/4	2,679.29	3 1/4	2,488.29	3 1/4	2,297.29	3 1/4	2,106.33
3 1/2	3,797.36	3 1/2	3,611.81	3 1/2	3,425.45	3 1/2	3,239.08	3 1/2	3,052.72	3 1/2	2,866.46	3 1/2	2,675.46	3 1/2	2,484.46	3 1/2	2,293.46	3 1/2	2,102.50
3 3/4	3,793.49	3 3/4	3,607.93	3 3/4	3,421.56	3 3/4	3,235.20	3 3/4	3,048.83	3 3/4	2,862.63	3 3/4	2,671.63	3 3/4	2,480.63	3 3/4	2,289.63	3 3/4	2,098.67
4	3,789.63	4	3,604.05	4	3,417.68	4	3,231.32	4	3,044.95	4	2,858.81	4	2,667.81	4	2,477.81	4	2,286.81	4	2,095.85
4 1/4	3,785.76	4 1/4	3,600.16	4 1/4	3,413.80	4 1/4	3,227.43	4 1/4	3,041.07	4 1/4	2,854.98	4 1/4	2,664.98	4 1/4	2,474.98	4 1/4	2,283.98	4 1/4	2,092.98
4 1/2	3,781.90	4 1/2	3,596.28	4 1/2	3,409.92	4 1/2	3,223.55	4 1/2	3,037.19	4 1/2	2,850.24	4 1/2	2,660.24	4 1/2	2,471.24	4 1/2	2,280.24	4 1/2	2,089.24
4 3/4	3,778.04	4 3/4	3,592.40	4 3/4	3,406.03	4 3/4	3,219.67	4 3/4	3,033.30	4 3/4	2,845.50	4 3/4	2,656.50	4 3/4	2,467.50	4 3/4	2,277.50	4 3/4	2,086.50
5	3,774.17	5	3,588.52	5	3,402.15	5	3,215.79	5	3,029.42	5	2,840.76	5	2,652.76	5	2,463.76	5	2,273.76	5	2,083.76
5 1/4	3,770.31	5 1/4	3,584.63	5 1/4	3,398.27	5 1/4	3,211.90	5 1/4	3,025.54	5 1/4	2,836.03	5 1/4	2,648.03	5 1/4	2,459.03	5 1/4	2,270.03	5 1/4	2,080.03
5 1/2	3,766.44	5 1/2	3,580.75	5 1/2	3,394.39	5 1/2	3,208.02	5 1/2	3,021.66	5 1/2	2,832.16	5 1/2	2,644.16	5 1/2	2,455.16	5 1/2	2,266.16	5 1/2	2,076.16
5 3/4	3,762.58	5 3/4	3,576.87	5 3/4	3,390.50	5 3/4	3,204.14	5 3/4	3,017.77	5 3/4	2,828.29	5 3/4	2,640.29	5 3/4	2,451.29	5 3/4	2,262.29	5 3/4	2,072.29
6	3,758.71	6	3,572.99	6	3,386.62	6	3,200.26	6	3,013.89	6	2,824.36	6	2,636.36	6	2,447.36	6	2,258.36	6	2,068.36
6 1/4	3,754.85	6 1/4	3,569.10	6 1/4	3,382.74	6 1/4	3,196.37	6 1/4	3,010.01	6 1/4	2,820.45	6 1/4	2,632.45	6 1/4	2,443.45	6 1/4	2,254.45	6 1/4	2,064.45
6 1/2	3,750.98	6 1/2	3,565.22	6 1/2	3,378.86	6 1/2	3,192.49	6 1/2	3,006.13	6 1/2	2,798.68	6 1/2	2,628.68	6 1/2	2,439.68	6 1/2	2,250.68	6 1/2	2,060.68
6 3/4	3,747.12	6 3/4	3,561.34	6 3/4	3,374.97	6 3/4	3,188.61	6 3/4	3,002.24	6 3/4	2,794.71	6 3/4	2,624.71	6 3/4	2,435.71	6 3/4	2,246.71	6 3/4	2,056.71
7	3,743.25	7	3,557.46	7	3,371.09	7	3,184.73	7	2,998.36	7	2,790.38	7	2,620.38	7	2,431.38	7	2,242.38	7	2,052.38
7 1/4	3,739.39	7 1/4	3,553.57	7 1/4	3,367.21	7 1/4	3,180.84	7 1/4	2,994.48	7 1/4	2,786.27	7 1/4	2,616.27	7 1/4	2,427.27	7 1/4	2,238.27	7 1/4	2,048.27
7 1/2	3,735.52	7 1/2	3,549.69	7 1/2	3,363.33	7 1/2	3,176.96	7 1/2	2,990.60	7 1/2	2,782.10	7 1/2	2,612.10	7 1/2	2,423.10	7 1/2	2,234.10	7 1/2	2,044.10
7 3/4	3,731.66	7 3/4	3,545.81	7 3/4	3,359.44	7 3/4	3,173.08	7 3/4	2,986.71	7 3/4	2,778.23	7 3/4	2,608.23	7 3/4	2,419.23	7 3/4	2,230.23	7 3/4	2,040.23
8	3,912.26	8	3,727.79	8	3,541.92	8	3,355.56	8	3,169.20	8	2,982.33	8	2,788.33	8	2,598.33	8	2,408.33	8	2,220.33
8 1/4	3,908.89	8 1/4	3,723.93	8 1/4	3,538.04	8 1/4	3,351.68	8 1/4	3,165.31	8 1/4	2,978.95	8 1/4	2,784.95	8 1/4	2,594.95	8 1/4	2,404.95	8 1/4	2,216.95
8 1/2	3,905.06	8 1/2	3,720.06	8 1/2	3,534.16	8 1/2	3,347.79	8 1/2	3,161.43	8 1/2	2,975.07	8 1/2	2,781.07	8 1/2	2,591.07	8 1/2	2,401.07	8 1/2	2,213.07
8 3/4	3,901.22	8 3/4	3,716.20	8 3/4	3,530.28	8 3/4	3,343.91	8 3/4	3,157.55	8 3/4	2,971.18	8 3/4	2,777.18	8 3/4	2,587.18	8 3/4	2,397.18	8 3/4	2,209.18
9	3,897.38	9	3,712.33	9	3,526.39	9	3,340.03	9	3,153.66	9	2,967.30	9	2,773.30	9	2,583.30	9	2,393.30	9	2,205.30
9 1/4	3,893.54	9 1/4	3,708.47	9 1/4	3,522.51	9 1/4	3,336.15	9 1/4	3,149.78	9 1/4	2,963.42	9 1/4	2,769.42	9 1/4	2,579.42	9 1/4	2,389.42	9 1/4	2,201.42
9 1/2	3,889.71	9 1/2	3,704.60	9 1/2	3,518.63	9 1/2	3,332.26	9 1/2	3,145.90	9 1/2	2,959.53	9 1/2	2,765.53	9 1/2	2,575.53	9 1/2	2,385.53	9 1/2	2,197.53
9 3/4	3,885.87	9 3/4	3,700.74	9 3/4	3,514.75	9 3/4	3,328.38	9 3/4	3,142.02	9 3/4	2,955.65	9 3/4	2,761.65	9 3/4	2,571.65	9 3/4	2,381.65	9 3/4	2,193.65
10	3,882.04	10	3,696.87	10	3,510.86	10	3,324.50	10	3,138.13	10	2,951.77	10	2,757.77	10	2,567.77	10	2,377.77	10	2,189.77
10 1/4	3,878.20	10 1/4	3,693.01	10 1/4	3,506.98	10 1/4	3,320.62	10 1/4	3,134.25	10 1/4	2,947.89	10 1/4	2,753.89	10 1/4	2,563.89	10 1/4	2,373.89	10 1/4	2,185.89
10 1/2	3,874.37	10 1/2	3,689.14	10 1/2	3,503.10	10 1/2	3,316.73	10 1/2	3,130.37	10 1/2	2,944.00	10 1/2	2,750.00	10 1/2	2,559.00	10 1/2	2,370.00	10 1/2	2,182.00
10 3/4	3,870.53	10 3/4	3,685.28	10 3/4	3,499.22	10 3/4	3,312.85	10 3/4	3,126.49	10 3/4	2,940.12	10 3/4	2,746.12	10 3/4	2,555.12	10 3/4	2,366.12	10 3/4	2,178.12
11	3,866.70	11	3,681.41	11	3,495.33	11	3,308.97	11	3,122.60	11	2,936.24	11	2,742.24	11	2,551.24	11	2,362.24	11	2,174.24
11 1/4	3,862.86	11 1/4	3,677.55	11 1/4	3,491.45	11 1/4	3,305.09	11 1/4	3,118.72	11 1/4	2,932.36	11 1/4	2,737.36	11 1/4	2,547.36	11 1/4	2,358.36	11 1/4	2,170.36
11 1/2	3,859.02	11 1/2	3,673.69	11 1/2	3,487.57	11 1/2	3,301.20	11 1/2	3,114.84	11 1/2	2,928.47	11 1/2	2,733.47	11 1/2	2,543.47	11 1/2	2,354.47	11 1/2	2,166.47
11 3/4	3,855.19	11 3/4	3,669.82	11 3/4	3,483.69	11 3/4	3,297.32	11 3/4	3,110.96	11 3/4	2,924.59	11 3/4	2,729.59	11 3/4	2,539.59	11 3/4	2,350.59	11 3/4	2,162.59
12	3,851.35	12	3,665.96	12	3,479.80	12	3,293.44	12	3,107.07	12	2,920.71	12	2,726.71	12	2,536.71	12	2,347.71	12	2,158.71

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IMPHS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 10" HATCH
GAUGE POINT: (10" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 54'-06" FORWARD OF AFT BULKHEAD.





BARGE "EMS 3055"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-04 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,547.85	0	1,197.29	0	853.37	0	495.35	0	140.53	0	0	0	0	0	0	0	0	0	0
1/4	1,540.51	1/4	1,190.20	1/4	845.99	1/4	488.01	1/4	133.16	1/4	0	0	0	0	0	0	0	0	0
1/2	1,533.17	1/2	1,183.11	1/2	838.61	1/2	480.66	1/2	125.79	1/2	0	0	0	0	0	0	0	0	0
3/4	1,525.83	3/4	1,176.02	3/4	831.24	3/4	473.32	3/4	118.43	3/4	0	0	0	0	0	0	0	0	0
1	1,518.49	1	1,168.92	1	823.86	1	465.98	1	111.06	1	0	0	0	0	0	0	0	0	0
1/4	1,511.15	1/4	1,161.83	1/4	816.48	1/4	458.64	1/4	103.85	1/4	0	0	0	0	0	0	0	0	0
1/2	1,503.81	1/2	1,154.74	1/2	809.10	1/2	451.30	1/2	96.64	1/2	0	0	0	0	0	0	0	0	0
3/4	1,496.47	3/4	1,147.66	3/4	801.72	3/4	443.96	3/4	89.43	3/4	0	0	0	0	0	0	0	0	0
2	1,489.13	2	1,140.57	2	794.35	2	436.62	2	82.22	2	0	0	0	0	0	0	0	0	0
1/4	1,481.78	1/4	1,133.48	1/4	786.96	1/4	429.28	1/4	75.79	1/4	0	0	0	0	0	0	0	0	0
1/2	1,474.44	1/2	1,126.39	1/2	779.58	1/2	421.95	1/2	69.37	1/2	0	0	0	0	0	0	0	0	0
3/4	1,467.10	3/4	1,119.30	3/4	772.19	3/4	414.61	3/4	62.95	3/4	0	0	0	0	0	0	0	0	0
3	1,459.76	3	1,112.21	3	764.81	3	407.27	3	56.52	3	0	0	0	0	0	0	0	0	0
1/4	1,452.42	1/4	1,105.12	1/4	757.39	1/4	399.94	1/4	51.35	1/4	0	0	0	0	0	0	0	0	0
1/2	1,445.08	1/2	1,098.03	1/2	749.97	1/2	392.60	1/2	46.18	1/2	0	0	0	0	0	0	0	0	0
3/4	1,437.74	3/4	1,090.94	3/4	742.56	3/4	385.27	3/4	41.02	3/4	0	0	0	0	0	0	0	0	0
4	1,430.40	4	1,083.85	4	735.14	4	377.93	4	35.85	4	0	0	0	0	0	0	0	0	0
1/4	1,423.02	1/4	1,076.76	1/4	727.62	1/4	370.59	1/4	31.93	1/4	0	0	0	0	0	0	0	0	0
1/2	1,415.63	1/2	1,069.67	1/2	720.11	1/2	363.24	1/2	28.02	1/2	0	0	0	0	0	0	0	0	0
3/4	1,408.25	3/4	1,062.58	3/4	712.59	3/4	355.90	3/4	24.10	3/4	0	0	0	0	0	0	0	0	0
5	1,400.86	5	1,055.49	5	705.08	5	348.55	5	20.18	5	0	0	0	0	0	0	0	0	0
1/4	1,393.35	1/4	1,048.44	1/4	697.56	1/4	341.19	1/4	16.26	1/4	0	0	0	0	0	0	0	0	0
1/2	1,385.83	1/2	1,041.38	1/2	690.04	1/2	333.82	1/2	12.34	1/2	0	0	0	0	0	0	0	0	0
3/4	1,378.31	3/4	1,034.32	3/4	682.53	3/4	326.45	3/4	8.42	3/4	0	0	0	0	0	0	0	0	0
6	1,370.80	6	1,027.27	6	675.01	6	319.08	6	4.50	6	0	0	0	0	0	0	0	0	0
1/4	1,363.28	1/4	1,020.31	1/4	667.50	1/4	311.71	1/4	0.58	1/4	0	0	0	0	0	0	0	0	0
1/2	1,355.76	1/2	1,013.35	1/2	659.99	1/2	304.34	1/2	0	1/2	0	0	0	0	0	0	0	0	0
3/4	1,348.25	3/4	1,006.39	3/4	652.48	3/4	296.97	3/4	0	3/4	0	0	0	0	0	0	0	0	0
7	1,340.73	7	999.43	7	644.97	7	289.61	7	0	7	0	0	0	0	0	0	0	0	0
1/4	1,333.31	1/4	992.38	1/4	637.49	1/4	282.20	1/4	0	1/4	0	0	0	0	0	0	0	0	0
1/2	1,325.89	1/2	985.32	1/2	630.00	1/2	274.80	1/2	0	1/2	0	0	0	0	0	0	0	0	0
3/4	1,318.48	3/4	978.26	3/4	622.51	3/4	267.39	3/4	0	3/4	0	0	0	0	0	0	0	0	0
8	1,311.06	8	971.21	8	615.02	8	259.99	8	0	8	0	0	0	0	0	0	0	0	0
1/4	1,303.93	1/4	963.86	1/4	607.53	1/4	252.48	1/4	0	1/4	0	0	0	0	0	0	0	0	0
1/2	1,296.80	1/2	956.51	1/2	600.05	1/2	244.97	1/2	0	1/2	0	0	0	0	0	0	0	0	0
3/4	1,289.68	3/4	949.17	3/4	592.56	3/4	237.46	3/4	0	3/4	0	0	0	0	0	0	0	0	0
9	1,282.55	9	941.82	9	585.07	9	229.95	9	0	9	0	0	0	0	0	0	0	0	0
1/4	1,275.43	1/4	934.46	1/4	577.58	1/4	222.43	1/4	0	1/4	0	0	0	0	0	0	0	0	0
1/2	1,268.31	1/2	927.10	1/2	570.09	1/2	214.92	1/2	0	1/2	0	0	0	0	0	0	0	0	0
3/4	1,261.19	3/4	919.74	3/4	562.61	3/4	207.41	3/4	0	3/4	0	0	0	0	0	0	0	0	0
10	1,254.06	10	912.38	10	555.12	10	199.90	10	0	10	0	0	0	0	0	0	0	0	0
1/4	1,246.96	1/4	905.00	1/4	547.63	1/4	192.43	1/4	0	1/4	0	0	0	0	0	0	0	0	0
1/2	1,239.86	1/2	897.63	1/2	540.14	1/2	184.95	1/2	0	1/2	0	0	0	0	0	0	0	0	0
3/4	1,232.76	3/4	890.25	3/4	532.65	3/4	177.47	3/4	0	3/4	0	0	0	0	0	0	0	0	0
11	1,225.66	11	882.87	11	525.16	11	170.00	11	0	11	0	0	0	0	0	0	0	0	0
1/4	1,218.57	1/4	875.50	1/4	517.71	1/4	162.63	1/4	0	1/4	0	0	0	0	0	0	0	0	0
1/2	1,211.47	1/2	868.12	1/2	510.25	1/2	155.26	1/2	0	1/2	0	0	0	0	0	0	0	0	0
3/4	1,204.38	3/4	860.74	3/4	502.80	3/4	147.89	3/4	0	3/4	0	0	0	0	0	0	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2023 JS
 CALCULATED: 12/04/2023 CL
 PRINTED: 12/04/2023 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P. O. Box 2092
 Pearland, Texas 77588
<http://www.primacorp.net>



BARGE "EMS 3055"

INNAGE TRIM TABLE
10" HATCH

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/4	00-1/4	-00-1/4	00-1/4	-00-3/8	00-3/8	-00-1/2	00-1/2
1 STBD	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/4	00-1/4	-00-1/4	00-1/4	-00-3/8	00-3/8	-00-3/8	00-3/8
2 PORT	00-1/4	-00-1/4	00-1/2	-00-1/2	00-7/8	-00-7/8	01-1/8	-01-1/8	01-3/8	-01-3/8	01-5/8	-01-5/8
2 STBD	00-1/4	-00-1/4	00-1/2	-00-1/2	00-7/8	-00-7/8	01-1/8	-01-1/8	01-3/8	-01-3/8	01-5/8	-01-5/8
3 PORT	-00-5/8	00-5/8	-01-1/8	01-1/8	-01-3/4	01-3/4	-02-1/4	02-1/4	-02-7/8	02-7/8	-03-3/8	03-3/8
3 STBD	-00-5/8	00-5/8	-01-1/8	01-1/8	-01-3/4	01-3/4	-02-1/4	02-1/4	-02-7/8	02-7/8	-03-3/8	03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-00"

December 4, 2023

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "EMS 3055"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS												GAUGE HEIGHT 14'-04 3/4"											
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.				
0	22.85	0	277.42	0	574.39	0	894.80	0	1,224.00	0	1,554.16	0	1,885.08	0	2,215.99	0	2,546.69	0	2,877.38				
1/4	25.44	1/4	283.29	1/4	580.86	1/4	901.63	1/4	1,230.87	1/4	1,561.05	1/4	1,891.97	1/4	2,222.88	1/4	2,553.57	1/4	2,884.27				
1/2	28.04	1/2	289.16	1/2	587.34	1/2	908.46	1/2	1,237.74	1/2	1,567.95	1/2	1,898.87	1/2	2,229.77	1/2	2,560.46	1/2	2,891.16				
3/4	31.48	3/4	295.06	3/4	593.85	3/4	915.29	3/4	1,244.60	3/4	1,574.84	3/4	1,905.76	3/4	2,236.66	3/4	2,567.35	3/4	2,898.05				
1	34.92	1	300.97	1	600.36	1	922.12	1	1,251.46	1	1,581.74	1	1,912.66	1	2,243.55	1	2,574.24	1	2,904.94				
1/4	38.36	1/4	306.88	1/4	606.88	1/4	928.99	1/4	1,258.32	1/4	1,588.63	1/4	1,919.55	1/4	2,250.44	1/4	2,581.13	1/4	2,911.83				
1/2	41.79	1/2	312.78	1/2	613.39	1/2	935.58	1/2	1,265.18	1/2	1,595.52	1/2	1,926.33	1/2	2,257.33	1/2	2,588.02	1/2	2,918.72				
3/4	46.42	3/4	318.73	3/4	619.94	3/4	942.61	3/4	1,272.04	3/4	1,602.42	3/4	1,933.34	3/4	2,264.22	3/4	2,594.91	3/4	2,925.61				
2	51.04	2	324.68	2	626.48	2	949.43	2	1,278.90	2	1,609.31	2	1,940.23	2	2,271.11	2	2,601.80	2	2,932.32				
1/4	55.66	1/4	330.63	1/4	633.03	1/4	956.26	1/4	1,285.76	1/4	1,616.21	1/4	1,947.13	1/4	2,277.99	1/4	2,608.69	1/4	2,939.39				
1/2	60.28	1/2	336.58	1/2	639.58	1/2	963.09	1/2	1,292.62	1/2	1,623.10	1/2	1,954.02	1/2	2,284.88	1/2	2,615.58	1/2	2,946.28				
3/4	65.66	3/4	342.57	3/4	646.16	3/4	969.92	3/4	1,299.48	3/4	1,630.00	3/4	1,960.92	3/4	2,291.77	3/4	2,622.47	3/4	2,953.17				
3	71.04	3	348.56	3	653.34	3	976.75	3	1,306.34	3	1,636.89	3	1,967.81	3	2,298.66	3	2,629.36	3	2,960.06				
1/4	76.42	1/4	354.56	1/4	659.34	1/4	983.58	1/4	1,313.20	1/4	1,643.78	1/4	1,974.71	1/4	2,305.55	1/4	2,636.25	1/4	2,966.94				
1/2	81.80	1/2	360.55	1/2	665.92	1/2	990.41	1/2	1,320.06	1/2	1,650.68	1/2	1,981.60	1/2	2,312.44	1/2	2,643.14	1/2	2,973.83				
3/4	87.37	3/4	366.58	3/4	672.55	3/4	997.24	3/4	1,326.92	3/4	1,657.57	3/4	1,988.49	3/4	2,319.33	3/4	2,650.03	3/4	2,980.72				
4	92.93	4	372.60	4	679.18	4	1,004.07	4	1,333.78	4	1,664.47	4	1,995.39	4	2,326.22	4	2,656.92	4	2,987.61				
1/4	98.49	1/4	378.63	1/4	685.81	1/4	1,010.90	1/4	1,340.64	1/4	1,671.36	1/4	2,002.28	1/4	2,333.11	1/4	2,663.81	1/4	2,994.50				
1/2	104.06	1/2	384.66	1/2	692.43	1/2	1,017.73	1/2	1,347.50	1/2	1,678.25	1/2	2,009.18	1/2	2,340.00	1/2	2,670.70	1/2	3,001.39				
3/4	109.66	3/4	390.83	3/4	699.10	3/4	1,024.57	3/4	1,354.36	3/4	1,685.15	3/4	2,016.07	3/4	2,346.89	3/4	2,677.59	3/4	3,008.28				
5	115.25	5	397.00	5	705.77	5	1,031.40	5	1,361.22	5	1,692.04	5	2,022.96	5	2,353.78	5	2,684.48	5	3,015.17				
1/4	120.85	1/4	403.17	1/4	712.44	1/4	1,038.23	1/4	1,368.08	1/4	1,698.94	1/4	2,029.86	1/4	2,360.67	1/4	2,691.36	1/4	3,022.06				
1/2	126.45	1/2	409.33	1/2	719.11	1/2	1,045.06	1/2	1,374.94	1/2	1,705.83	1/2	2,036.75	1/2	2,367.56	1/2	2,698.25	1/2	3,028.95				
3/4	132.18	3/4	415.58	3/4	725.81	3/4	1,051.90	3/4	1,381.83	3/4	1,712.73	3/4	2,043.65	3/4	2,374.45	3/4	2,705.14	3/4	3,035.84				
6	137.92	6	421.82	6	732.52	6	1,058.75	6	1,388.71	6	1,719.62	6	2,050.54	6	2,381.34	6	2,712.03	6	3,042.73				
1/4	143.66	1/4	428.07	1/4	739.22	1/4	1,065.59	1/4	1,395.60	1/4	1,726.51	1/4	2,057.44	1/4	2,388.23	1/4	2,718.92	1/4	3,049.62				
1/2	149.39	1/2	434.31	1/2	745.92	1/2	1,072.43	1/2	1,402.49	1/2	1,733.41	1/2	2,064.33	1/2	2,395.12	1/2	2,725.81	1/2	3,056.51				
3/4	155.20	3/4	440.59	3/4	752.63	3/4	1,079.31	3/4	1,409.38	3/4	1,740.30	3/4	2,071.22	3/4	2,402.01	3/4	2,732.70	3/4	3,063.40				
7	161.01	7	446.86	7	759.33	7	1,086.19	7	1,416.28	7	1,747.20	7	2,078.12	7	2,408.90	7	2,739.59	7	3,070.29				
1/4	166.82	1/4	453.14	1/4	766.04	1/4	1,093.07	1/4	1,423.17	1/4	1,754.09	1/4	2,085.01	1/4	2,415.78	1/4	2,746.48	1/4	3,077.18				
1/2	172.63	1/2	459.42	1/2	772.74	1/2	1,100.96	1/2	1,430.06	1/2	1,760.99	1/2	2,091.91	1/2	2,422.67	1/2	2,753.37	1/2	3,084.07				
3/4	178.48	3/4	465.73	3/4	779.47	3/4	1,108.85	3/4	1,436.96	3/4	1,767.88	3/4	2,098.80	3/4	2,429.56	3/4	2,760.26	3/4	3,090.96				
8	184.33	8	472.05	8	786.19	8	1,113.74	8	1,443.85	8	1,774.77	8	2,105.70	8	2,436.45	8	2,767.15	8	3,097.85				
1/4	190.18	1/4	478.37	1/4	792.92	1/4	1,120.64	1/4	1,450.75	1/4	1,781.67	1/4	2,112.59	1/4	2,443.34	1/4	2,774.04	1/4	3,104.73				
1/2	196.04	1/2	484.68	1/2	799.65	1/2	1,127.53	1/2	1,457.64	1/2	1,788.56	1/2	2,119.48	1/2	2,450.23	1/2	2,780.93	1/2	3,111.62				
3/4	201.82	3/4	491.04	3/4	806.40	3/4	1,134.43	3/4	1,464.53	3/4	1,795.46	3/4	2,126.38	3/4	2,457.12	3/4	2,787.82	3/4	3,118.51				
9	207.61	9	497.40	9	813.16	9	1,141.32	9	1,471.43	9	1,802.35	9	2,133.27	9	2,464.01	9	2,794.71	9	3,125.40				
1/4	213.40	1/4	503.76	1/4	819.92	1/4	1,148.22	1/4	1,478.32	1/4	1,809.24	1/4	2,140.17	1/4	2,470.90	1/4	2,801.60	1/4	3,132.29				
1/2	219.18	1/2	510.12	1/2	826.67	1/2	1,155.11	1/2	1,485.21	1/2	1,816.14	1/2	2,147.06	1/2	2,477.79	1/2	2,808.48	1/2	3,139.18				
3/4	224.98	3/4	516.52	3/4	833.47	3/4	1,162.00	3/4	1,492.10	3/4	1,823.03	3/4	2,153.95	3/4	2,484.68	3/4	2,815.38	3/4	3,146.07				
10	230.77	10	522.92	10	840.26	10	1,168.90	10	1,499.01	10	1,829.93	10	2,160.85	10	2,491.57	10	2,822.27	10	3,152.96				
1/4	236.56	1/4	529.31	1/4	847.06	1/4	1,175.79	1/4	1,505.90	1/4	1,836.82	1/4	2,167.74	1/4	2,498.46	1/4	2,829.15	1/4	3,159.85				
1/2	242.35	1/2	535.71	1/2	853.85	1/2	1,182.69	1/2	1,512.79	1/2	1,843.72	1/2	2,174.64	1/2	2,505.35	1/2	2,836.04	1/2	3,166.74				
3/4	248.19	3/4	542.15	3/4	860.67	3/4	1,189.58	3/4	1,519.69	3/4	1,850.61	3/4	2,181.53	3/4	2,512.24	3/4	2,842.93	3/4	3,173.63				
11	254.02	11	548.58	11	867.50	11	1,196.47	11	1,526.58	11	1,857.50	11	2,188.43	11	2,519.13	11	2,849.82	11	3,180.52				
1/4	259.85	1/4	555.01	1/4	874.32	1/4	1,203.37	1/4	1,533.48	1/4	1,864.40	1/4	2,195.32	1/4	2,526.02	1/4	2,856.71	1/4	3,187.41				
1/2	265.69	1/2	561.45	1/2	881.14	1/2	1,210.26	1/2	1,540.37	1/2	1,871.29	1/2	2,202.21	1/2	2,532.91	1/2	2,863.60	1/2	3,194.30				
3/4	271.56	3/4	567.92	3/4	887.97	3/4	1,217.13	3/4	1,547.26	3/4	1,878.19	3/4	2,209.10	3/4	2,539.80	3/4	2,870.49	3/4	3,201.19				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IAPMO CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 10" HATCH
GAUGE POINT: (10" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

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BARGE "EMS 3055"

1 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,208.08	0	3,538.77	0	3,869.47	0	4,198.86	0	4,527.36	0	4,854.67	0	5,180.00	0	5,504.34	0	5,827.68	0	6,149.02
1/4	3,214.97	1/4	3,545.66	1/4	3,876.36	1/4	4,205.71	1/4	4,534.21	1/4	4,861.52	1/4	5,187.83	1/4	5,513.14	1/4	5,837.45	1/4	6,160.76
1/2	3,221.86	1/2	3,552.55	1/2	3,883.25	1/2	4,212.57	1/2	4,541.07	1/2	4,868.38	1/2	5,193.69	1/2	5,518.00	1/2	5,841.31	1/2	6,163.62
3/4	3,228.75	3/4	3,559.44	3/4	3,890.14	3/4	4,219.43	3/4	4,547.93	3/4	4,875.24	3/4	5,201.75	3/4	5,525.06	3/4	5,848.37	3/4	6,170.51
1	3,235.64	1	3,566.33	1	3,897.03	1	4,226.28	1	4,554.78	1	4,882.09	1	5,209.40	1	5,532.71	1	5,855.62	1	6,173.42
1/4	3,242.52	1/4	3,573.22	1/4	3,903.92	1/4	4,233.14	1/4	4,561.64	1/4	4,889.14	1/4	5,216.46	1/4	5,539.77	1/4	5,862.08	1/4	6,176.33
1/2	3,249.41	1/2	3,580.11	1/2	3,910.81	1/2	4,240.00	1/2	4,568.53	1/2	4,896.03	1/2	5,223.35	1/2	5,546.66	1/2	5,868.97	1/2	6,179.24
3/4	3,256.30	3/4	3,586.80	3/4	3,917.70	3/4	4,246.85	3/4	4,575.43	3/4	4,902.92	3/4	5,230.25	3/4	5,553.55	3/4	5,875.88	3/4	6,182.15
2	3,263.19	2	3,593.69	2	3,924.55	2	4,253.71	2	4,582.31	2	4,909.79	2	5,237.14	2	5,560.44	2	5,882.80	2	6,185.06
1/4	3,270.08	1/4	3,600.78	1/4	3,931.42	1/4	4,260.57	1/4	4,589.19	1/4	4,916.66	1/4	5,244.03	1/4	5,567.33	1/4	5,889.73	1/4	6,187.97
1/2	3,276.97	1/2	3,607.67	1/2	3,938.29	1/2	4,267.43	1/2	4,596.05	1/2	4,923.53	1/2	5,250.92	1/2	5,574.22	1/2	5,896.64	1/2	6,190.88
3/4	3,283.86	3/4	3,614.56	3/4	3,945.15	3/4	4,274.28	3/4	4,602.90	3/4	4,930.38	3/4	5,257.81	3/4	5,581.11	3/4	5,903.55	3/4	6,193.79
3	3,290.75	3	3,621.45	3	3,952.00	3	4,281.14	3	4,610.06	3	4,937.20	3	5,264.70	3	5,588.00	3	5,910.46	3	6,196.70
1/4	3,297.64	1/4	3,628.34	1/4	3,958.86	1/4	4,288.00	1/4	4,616.92	1/4	4,944.08	1/4	5,271.59	1/4	5,594.89	1/4	5,917.37	1/4	6,199.61
1/2	3,304.53	1/2	3,635.23	1/2	3,965.72	1/2	4,294.85	1/2	4,623.77	1/2	4,950.94	1/2	5,278.47	1/2	5,601.78	1/2	5,924.28	1/2	6,202.52
3/4	3,311.42	3/4	3,642.12	3/4	3,972.57	3/4	4,301.67	3/4	4,631.61	3/4	4,957.82	3/4	5,285.36	3/4	5,608.67	3/4	5,931.19	3/4	6,205.43
4	3,318.31	4	3,649.01	4	3,979.43	4	4,308.49	4	4,638.49	4	4,964.71	4	5,292.24	4	5,615.56	4	5,938.10	4	6,208.34
1/4	3,325.20	1/4	3,655.89	1/4	3,986.29	1/4	4,315.31	1/4	4,645.31	1/4	4,971.59	1/4	5,299.13	1/4	5,622.44	1/4	5,945.01	1/4	6,211.25
1/2	3,332.09	1/2	3,662.78	1/2	3,993.15	1/2	4,322.12	1/2	4,652.12	1/2	4,978.41	1/2	5,305.96	1/2	5,629.32	1/2	5,951.92	1/2	6,214.16
3/4	3,338.98	3/4	3,669.67	3/4	4,000.00	3/4	4,328.93	3/4	4,658.93	3/4	4,985.23	3/4	5,312.79	3/4	5,636.19	3/4	5,958.83	3/4	6,217.07
5	3,345.87	5	3,676.56	5	4,006.86	5	4,335.73	5	4,665.73	5	4,992.06	5	5,319.61	5	5,643.06	5	5,965.74	5	6,219.98
1/4	3,352.76	1/4	3,683.45	1/4	4,013.72	1/4	4,342.54	1/4	4,672.54	1/4	4,998.86	1/4	5,326.43	1/4	5,649.91	1/4	5,972.65	1/4	6,222.89
1/2	3,359.65	1/2	3,690.34	1/2	4,020.57	1/2	4,349.34	1/2	4,679.34	1/2	5,005.67	1/2	5,333.25	1/2	5,656.72	1/2	5,979.56	1/2	6,225.80
3/4	3,366.54	3/4	3,697.23	3/4	4,027.43	3/4	4,356.15	3/4	4,686.15	3/4	5,012.47	3/4	5,340.06	3/4	5,663.53	3/4	5,986.47	3/4	6,228.71
6	3,373.43	6	3,704.12	6	4,034.29	6	4,362.95	6	4,692.95	6	5,019.29	6	5,346.86	6	5,670.34	6	5,993.38	6	6,231.62
1/4	3,380.31	1/4	3,711.01	1/4	4,041.14	1/4	4,369.76	1/4	4,699.76	1/4	5,026.11	1/4	5,353.67	1/4	5,677.15	1/4	5,999.92	1/4	6,234.53
1/2	3,387.20	1/2	3,717.90	1/2	4,048.00	1/2	4,376.56	1/2	4,706.56	1/2	5,032.92	1/2	5,360.48	1/2	5,683.96	1/2	6,006.73	1/2	6,237.44
3/4	3,394.09	3/4	3,724.79	3/4	4,054.86	3/4	4,383.37	3/4	4,713.37	3/4	5,039.73	3/4	5,367.29	3/4	5,690.77	3/4	6,013.54	3/4	6,240.35
7	3,400.98	7	3,731.68	7	4,061.72	7	4,390.17	7	4,720.17	7	5,046.54	7	5,374.09	7	5,697.58	7	6,020.35	7	6,243.26
1/4	3,407.87	1/4	3,738.57	1/4	4,068.57	1/4	4,396.97	1/4	4,726.97	1/4	5,053.35	1/4	5,380.89	1/4	5,704.39	1/4	6,027.16	1/4	6,246.17
1/2	3,414.76	1/2	3,745.46	1/2	4,075.43	1/2	4,403.78	1/2	4,733.78	1/2	5,060.16	1/2	5,387.70	1/2	5,711.20	1/2	6,033.97	1/2	6,249.08
3/4	3,421.65	3/4	3,752.35	3/4	4,082.29	3/4	4,410.59	3/4	4,740.59	3/4	5,066.91	3/4	5,394.51	3/4	5,717.99	3/4	6,040.78	3/4	6,251.99
8	3,428.54	8	3,759.24	8	4,089.14	8	4,417.40	8	4,747.40	8	5,073.72	8	5,401.30	8	5,724.79	8	6,047.59	8	6,254.90
1/4	3,435.43	1/4	3,766.13	1/4	4,096.00	1/4	4,424.20	1/4	4,754.20	1/4	5,080.51	1/4	5,408.11	1/4	5,731.60	1/4	6,054.40	1/4	6,257.81
1/2	3,442.32	1/2	3,773.02	1/2	4,102.86	1/2	4,431.01	1/2	4,761.01	1/2	5,087.31	1/2	5,414.91	1/2	5,738.40	1/2	6,061.21	1/2	6,260.72
3/4	3,449.21	3/4	3,779.91	3/4	4,109.71	3/4	4,437.81	3/4	4,767.81	3/4	5,094.12	3/4	5,421.61	3/4	5,745.20	3/4	6,067.99	3/4	6,263.63
9	3,456.10	9	3,786.80	9	4,116.57	9	4,443.77	9	4,774.60	9	5,099.92	9	5,428.41	9	5,751.99	9	6,074.80	9	6,266.54
1/4	3,462.99	1/4	3,793.68	1/4	4,123.43	1/4	4,450.15	1/4	4,781.40	1/4	5,106.73	1/4	5,435.21	1/4	5,758.79	1/4	6,081.60	1/4	6,269.45
1/2	3,469.88	1/2	3,800.57	1/2	4,130.29	1/2	4,456.53	1/2	4,788.20	1/2	5,113.53	1/2	5,442.01	1/2	5,765.59	1/2	6,088.40	1/2	6,272.36
3/4	3,476.77	3/4	3,807.46	3/4	4,137.14	3/4	4,462.90	3/4	4,795.00	3/4	5,120.34	3/4	5,448.81	3/4	5,772.39	3/4	6,095.20	3/4	6,275.27
10	3,483.66	10	3,814.35	10	4,144.00	10	4,469.27	10	4,801.79	10	5,127.15	10	5,455.61	10	5,779.19	10	6,101.99	10	6,278.18
1/4	3,490.55	1/4	3,821.24	1/4	4,150.86	1/4	4,475.64	1/4	4,808.59	1/4	5,133.96	1/4	5,462.41	1/4	5,785.99	1/4	6,108.79	1/4	6,281.09
1/2	3,497.44	1/2	3,828.13	1/2	4,157.71	1/2	4,482.02	1/2	4,815.38	1/2	5,140.77	1/2	5,469.21	1/2	5,792.79	1/2	6,115.59	1/2	6,283.99
3/4	3,504.33	3/4	3,835.02	3/4	4,164.57	3/4	4,488.24	3/4	4,822.16	3/4	5,147.58	3/4	5,475.99	3/4	5,800.00	3/4	6,122.39	3/4	6,286.90
11	3,511.22	11	3,841.91	11	4,171.43	11	4,494.46	11	4,829.03	11	5,154.39	11	5,482.79	11	5,806.80	11	6,129.19	11	6,289.81
1/4	3,518.10	1/4	3,848.80	1/4	4,178.28	1/4	4,486.46	1/4	4,835.83	1/4	5,161.20	1/4	5,489.60	1/4	5,813.60	1/4	6,135.99	1/4	6,292.72
1/2	3,524.99	1/2	3,855.69	1/2	4,185.14	1/2	4,492.69	1/2	4,842.62	1/2	5,168.00	1/2	5,496.40	1/2	5,820.40	1/2	6,142.79	1/2	6,295.63
3/4	3,531.88	3/4	3,859.58	3/4	4,192.00	3/4	4,499.00	3/4	4,849.51	3/4	5,174.81	3/4	5,503.21	3/4	5,827.20	3/4	6,149.59	3/4	6,298.54

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023



BARGE "EMS 305"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.		
IN	1/2	3/4	IN	1/2	3/4	IN	1/2	3/4	IN	1/2	3/4	IN	1/2	3/4	IN	1/2	3/4	IN	1/2	3/4	IN	1/2	3/4	IN	1/2	3/4	IN	1/2	3/4
0	22.80	0	276.81	0	573.11	0	893.29	0	1,222.38	0	1,551.77	0	1,881.93	0	2,212.07	0	2,542.01	0	2,871.95										
1/4	25.39	1/2	282.67	1/4	579.57	1/4	900.13	1/4	1,229.23	1/4	1,558.65	1/4	1,888.81	1/4	2,218.95	1/4	2,548.89	1/4	2,878.82										
1/2	27.98	1/2	288.52	1/2	586.03	1/2	906.97	1/2	1,236.09	1/2	1,565.53	1/2	1,895.68	1/2	2,225.82	1/2	2,555.76	1/2	2,885.70										
3/4	31.41	3/4	294.42	3/4	592.53	3/4	913.80	3/4	1,242.93	3/4	1,572.41	3/4	1,901.56	3/4	2,230.70	3/4	2,560.64	3/4	2,892.57										
1	34.84	1	300.31	1	599.03	1	920.64	1	1,249.77	1	1,579.29	1	1,909.44	1	2,239.57	1	2,569.51	1	2,899.44										
1/4	38.27	1/4	306.20	1/4	605.52	1/4	927.48	1/4	1,256.62	1/4	1,596.17	1/4	1,916.32	1/4	2,246.44	1/4	2,576.38	1/4	2,906.32										
1/2	41.70	1/2	312.10	1/2	612.02	1/2	934.32	1/2	1,263.46	1/2	1,593.04	1/2	1,923.20	1/2	2,253.32	1/2	2,583.25	1/2	2,913.19										
3/4	46.32	3/4	318.03	3/4	618.55	3/4	941.15	3/4	1,270.31	3/4	1,599.92	3/4	1,930.08	3/4	2,260.19	3/4	2,590.13	3/4	2,920.07										
2	50.93	2	323.97	2	625.09	2	947.99	2	1,277.15	2	1,606.80	2	1,936.95	2	2,267.06	2	2,597.00	2	2,926.94										
1/4	55.54	1/4	329.90	1/4	631.62	1/4	954.83	1/4	1,284.00	1/4	1,613.68	1/4	1,943.83	1/4	2,273.94	1/4	2,603.88	1/4	2,933.81										
1/2	60.15	1/2	335.84	1/2	638.15	1/2	961.67	1/2	1,290.84	1/2	1,620.56	1/2	1,950.71	1/2	2,280.81	1/2	2,610.75	1/2	2,940.69										
3/4	65.52	3/4	341.82	3/4	644.72	3/4	968.50	3/4	1,297.69	3/4	1,627.43	3/4	1,957.59	3/4	2,287.69	3/4	2,617.62	3/4	2,947.56										
3	70.89	3	347.79	3	651.29	3	975.34	3	1,304.53	3	1,634.31	3	1,964.47	3	2,294.56	3	2,624.50	3	2,954.43										
1/4	76.26	1/4	353.77	1/4	657.86	1/4	982.18	1/4	1,311.38	1/4	1,641.19	1/4	1,971.34	1/4	2,301.43	1/4	2,631.37	1/4	2,961.31										
1/2	81.62	1/2	359.75	1/2	664.44	1/2	989.02	1/2	1,318.22	1/2	1,648.07	1/2	1,978.22	1/2	2,308.31	1/2	2,638.24	1/2	2,968.18										
3/4	87.18	3/4	365.77	3/4	671.05	3/4	995.86	3/4	1,325.06	3/4	1,654.95	3/4	1,985.10	3/4	2,315.18	3/4	2,645.12	3/4	2,975.06										
4	92.73	4	371.78	4	677.66	4	1,002.70	4	1,331.91	4	1,661.83	4	1,991.98	4	2,322.05	4	2,651.99	4	2,981.93										
1/4	98.28	1/4	377.80	1/4	684.27	1/4	1,009.54	1/4	1,338.75	1/4	1,668.70	1/4	1,998.86	1/4	2,328.93	1/4	2,658.87	1/4	2,988.80										
1/2	103.83	1/2	383.81	1/2	690.89	1/2	1,016.38	1/2	1,345.60	1/2	1,675.58	1/2	2,005.74	1/2	2,335.80	1/2	2,665.74	1/2	2,995.68										
3/4	109.42	3/4	389.96	3/4	697.54	3/4	1,023.22	3/4	1,352.44	3/4	1,682.46	3/4	2,012.61	3/4	2,342.67	3/4	2,672.61	3/4	3,002.55										
5	115.00	5	396.12	5	704.19	5	1,030.06	5	1,359.29	5	1,689.32	5	2,019.49	5	2,349.55	5	2,679.49	5	3,009.42										
1/4	120.59	1/4	402.27	1/4	710.85	1/4	1,036.90	1/4	1,366.13	1/4	1,696.24	1/4	2,026.37	1/4	2,356.42	1/4	2,686.36	1/4	3,016.30										
1/2	126.17	1/2	408.43	1/2	717.50	1/2	1,043.74	1/2	1,372.98	1/2	1,703.10	1/2	2,033.25	1/2	2,363.30	1/2	2,693.23	1/2	3,023.17										
3/4	131.90	3/4	414.66	3/4	724.19	3/4	1,050.59	3/4	1,379.85	3/4	1,709.97	3/4	2,040.13	3/4	2,370.17	3/4	2,700.11	3/4	3,030.04										
6	137.82	6	420.89	6	730.87	6	1,057.44	6	1,386.71	6	1,716.85	6	2,047.01	6	2,377.04	6	2,707.98	6	3,036.92										
1/4	143.34	1/4	427.12	1/4	737.56	1/4	1,064.29	1/4	1,393.58	1/4	1,723.73	1/4	2,053.88	1/4	2,383.92	1/4	2,713.85	1/4	3,043.79										
1/2	149.07	1/2	433.35	1/2	744.25	1/2	1,071.14	1/2	1,400.45	1/2	1,730.61	1/2	2,060.76	1/2	2,390.79	1/2	2,720.73	1/2	3,050.67										
3/4	154.86	3/4	439.61	3/4	750.96	3/4	1,078.01	3/4	1,407.33	3/4	1,737.49	3/4	2,067.64	3/4	2,397.66	3/4	2,727.60	3/4	3,057.54										
7	160.66	7	445.87	7	757.67	7	1,084.88	7	1,414.21	7	1,744.36	7	2,074.52	7	2,404.54	7	2,734.48	7	3,064.41										
1/4	166.46	1/4	452.14	1/4	764.37	1/4	1,091.75	1/4	1,421.09	1/4	1,751.24	1/4	2,081.40	1/4	2,411.41	1/4	2,741.35	1/4	3,071.29										
1/2	172.25	1/2	458.40	1/2	771.08	1/2	1,098.62	1/2	1,427.97	1/2	1,758.12	1/2	2,088.27	1/2	2,418.29	1/2	2,748.22	1/2	3,078.16										
3/4	178.09	3/4	464.70	3/4	777.81	3/4	1,105.50	3/4	1,434.85	3/4	1,765.00	3/4	2,095.15	3/4	2,425.16	3/4	2,755.10	3/4	3,085.03										
8	183.93	8	471.00	8	784.55	8	1,112.38	8	1,441.72	8	1,771.88	8	2,102.03	8	2,432.03	8	2,761.97	8	3,091.91										
1/4	189.77	1/4	477.31	1/4	791.28	1/4	1,119.26	1/4	1,448.60	1/4	1,778.76	1/4	2,108.91	1/4	2,438.91	1/4	2,768.84	1/4	3,098.78										
1/2	195.61	1/2	483.61	1/2	798.02	1/2	1,126.14	1/2	1,455.48	1/2	1,785.63	1/2	2,115.79	1/2	2,445.78	1/2	2,775.72	1/2	3,105.66										
3/4	201.38	3/4	489.95	3/4	804.78	3/4	1,133.01	3/4	1,462.36	3/4	1,792.51	3/4	2,122.67	3/4	2,452.65	3/4	2,782.59	3/4	3,112.53										
9	207.15	9	496.30	9	811.55	9	1,139.89	9	1,469.24	9	1,799.39	9	2,129.54	9	2,459.53	9	2,789.47	9	3,119.40										
1/4	212.93	1/4	502.64	1/4	818.32	1/4	1,146.77	1/4	1,476.11	1/4	1,806.27	1/4	2,136.42	1/4	2,466.40	1/4	2,796.34	1/4	3,126.28										
1/2	218.70	1/2	508.98	1/2	825.08	1/2	1,153.65	1/2	1,482.99	1/2	1,813.15	1/2	2,143.30	1/2	2,473.28	1/2	2,803.21	1/2	3,133.15										
3/4	224.48	3/4	515.37	3/4	831.88	3/4	1,160.53	3/4	1,489.87	3/4	1,820.02	3/4	2,150.18	3/4	2,480.15	3/4	2,810.09	3/4	3,140.02										
10	230.26	10	521.75	10	838.69	10	1,167.41	10	1,496.75	10	1,826.90	10	2,157.06	10	2,487.02	10	2,816.96	10	3,146.90										
1/4	236.04	1/4	528.14	1/4	845.49	1/4	1,174.28	1/4	1,503.63	1/4	1,833.78	1/4	2,163.93	1/4	2,493.90	1/4	2,823.83	1/4	3,153.77										
1/2	241.82	1/2	534.52	1/2	852.29	1/2	1,181.16	1/2	1,510.51	1/2	1,840.66	1/2	2,170.81	1/2	2,500.77	1/2	2,830.71	1/2	3,160.65										
3/4	247.64	3/4	540.94	3/4	859.12	3/4	1,188.04	3/4	1,517.38	3/4	1,847.54	3/4	2,177.69	3/4	2,507.64	3/4	2,837.58	3/4	3,167.52										
11	253.46	11	547.36	11	865.95	11	1,194.92	11	1,524.26	11	1,854.42	11	2,184.57	11	2,514.52	11	2,844.45	11	3,174.39										
1/4	259.28	1/4	553.78	1/4	872.78	1/4	1,201.80	1/4	1,531.14	1/4	1,861.29	1/4	2,191.45	1/4	2,521.39	1/4	2,851.33	1/4	3,181.27										
1/2	265.10	1/2	560.20	1/2	879.62	1/2	1,208.67	1/2	1,538.02	1/2	1,868.17	1/2	2,198.33	1/2	2,528.26	1/2	2,858.20	1/2	3,188.14										
3/4	270.96	3/4	566.66	3/4	886.45	3/4	1,215.53	3/4	1,544.90	3/4	1,875.05	3/4	2,205.20	3/4	2,535.14	3/4	2,865.08	3/4	3,195.01										

GAUGE HEIGHT 14'-05"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP UP OF 10" HATCH

GAUGE POINT: (10" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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1 STBD INNAGE TABLE

GAUGE HEIGHT 14'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS												GAUGE HEIGHT 14'-05"											
10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.					
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0				
0	3,201.89	0	3,531.82	0	3,861.76	0	4,190.35	0		0		0		0		0		0					
1/4	3,208.76	1/4	3,538.70	1/4	3,868.64	1/4	4,197.19	1/4		1/4		1/4		1/4		1/4		1/4					
1/2	3,215.63	1/2	3,545.57	1/2	3,875.51	1/2	4,204.04	1/2		1/2		1/2		1/2		1/2		1/2					
3/4	3,222.51	3/4	3,552.45	3/4	3,882.38	3/4	4,210.88	3/4		3/4		3/4		3/4		3/4		3/4					
1	3,229.38	1	3,559.32	1	3,889.26	1	4,217.72	1		1		1		1		1		1					
1/4	3,236.26	1/4	3,566.19	1/4	3,896.13	1/4	4,224.56	1/4		1/4		1/4		1/4		1/4		1/4					
1/2	3,243.13	1/2	3,573.07	1/2	3,903.00	1/2	4,231.40	1/2		1/2		1/2		1/2		1/2		1/2					
3/4	3,250.00	3/4	3,579.94	3/4	3,909.85	3/4	4,238.24	3/4		3/4		3/4		3/4		3/4		3/4					
1	3,256.88	1	3,586.81	1	3,916.70	1	4,245.08	1		1		1		1		1		1					
1/4	3,263.75	1/4	3,593.69	1/4	3,923.54	1/4	4,251.92	1/4		1/4		1/4		1/4		1/4		1/4					
1/2	3,270.62	1/2	3,600.56	1/2	3,930.39	1/2	4,258.76	1/2		1/2		1/2		1/2		1/2		1/2					
3/4	3,277.50	3/4	3,607.44	3/4	3,937.23	3/4	4,265.61	3/4		3/4		3/4		3/4		3/4		3/4					
1	3,284.37	1	3,614.31	1	3,944.07	1	4,272.45	1		1		1		1		1		1					
1/4	3,291.25	1/4	3,621.18	1/4	3,950.91	1/4	4,279.29	1/4		1/4		1/4		1/4		1/4		1/4					
1/2	3,298.12	1/2	3,628.06	1/2	3,957.76	1/2	4,286.13	1/2		1/2		1/2		1/2		1/2		1/2					
3/4	3,304.99	3/4	3,634.93	3/4	3,964.60	3/4	4,292.93	3/4		3/4		3/4		3/4		3/4		3/4					
1	3,311.87	1	3,641.80	1	3,971.44	1	4,299.73	1		1		1		1		1		1					
1/4	3,318.74	1/4	3,648.68	1/4	3,978.28	1/4	4,306.54	1/4		1/4		1/4		1/4		1/4		1/4					
1/2	3,325.61	1/2	3,655.55	1/2	3,985.12	1/2	4,313.34	1/2		1/2		1/2		1/2		1/2		1/2					
3/4	3,332.49	3/4	3,662.43	3/4	3,991.96	3/4	4,320.13	3/4		3/4		3/4		3/4		3/4		3/4					
1	3,339.36	1	3,669.30	1	3,998.80	1	4,326.92	1		1		1		1		1		1					
1/4	3,346.24	1/4	3,676.17	1/4	4,005.64	1/4	4,333.71	1/4		1/4		1/4		1/4		1/4		1/4					
1/2	3,353.11	1/2	3,683.05	1/2	4,012.48	1/2	4,340.49	1/2		1/2		1/2		1/2		1/2		1/2					
3/4	3,359.98	3/4	3,689.92	3/4	4,019.33	3/4	4,347.28	3/4		3/4		3/4		3/4		3/4		3/4					
1	3,366.86	1	3,696.79	1	4,026.17	1	4,354.07	1		1		1		1		1		1					
1/4	3,373.73	1/4	3,703.67	1/4	4,033.01	1/4	4,360.86	1/4		1/4		1/4		1/4		1/4		1/4					
1/2	3,380.60	1/2	3,710.54	1/2	4,039.85	1/2	4,367.65	1/2		1/2		1/2		1/2		1/2		1/2					
3/4	3,387.48	3/4	3,717.41	3/4	4,046.69	3/4	4,374.44	3/4		3/4		3/4		3/4		3/4		3/4					
1	3,394.35	1	3,724.29	1	4,053.53	1	4,381.23	1		1		1		1		1		1					
1/4	3,401.22	1/4	3,731.16	1/4	4,060.37	1/4	4,388.02	1/4		1/4		1/4		1/4		1/4		1/4					
1/2	3,408.10	1/2	3,738.04	1/2	4,067.21	1/2	4,394.81	1/2		1/2		1/2		1/2		1/2		1/2					
3/4	3,414.97	3/4	3,744.91	3/4	4,074.05	3/4	4,401.60	3/4		3/4		3/4		3/4		3/4		3/4					
1	3,421.85	1	3,751.78	1	4,080.90	1	4,408.39	1		1		1		1		1		1					
1/4	3,428.72	1/4	3,758.66	1/4	4,087.74	1/4	4,415.18	1/4		1/4		1/4		1/4		1/4		1/4					
1/2	3,435.59	1/2	3,765.53	1/2	4,094.58	1/2	4,421.97	1/2		1/2		1/2		1/2		1/2		1/2					
3/4	3,442.47	3/4	3,772.40	3/4	4,101.42	3/4	4,428.34	3/4		3/4		3/4		3/4		3/4		3/4					
1	3,449.34	1	3,779.28	1	4,108.26	1	4,434.70	1		1		1		1		1		1					
1/4	3,456.21	1/4	3,786.15	1/4	4,115.10	1/4	4,441.06	1/4		1/4		1/4		1/4		1/4		1/4					
1/2	3,463.09	1/2	3,793.03	1/2	4,121.94	1/2	4,447.43	1/2		1/2		1/2		1/2		1/2		1/2					
3/4	3,469.96	3/4	3,799.90	3/4	4,128.78	3/4	4,452.79	3/4		3/4		3/4		3/4		3/4		3/4					
1	3,476.84	1	3,806.77	1	4,135.62	1	4,458.15	1		1		1		1		1		1					
1/4	3,483.71	1/4	3,813.65	1/4	4,142.47	1/4	4,463.51	1/4		1/4		1/4		1/4		1/4		1/4					
1/2	3,490.58	1/2	3,820.52	1/2	4,149.31	1/2	4,468.87	1/2		1/2		1/2		1/2		1/2		1/2					
3/4	3,497.46	3/4	3,827.39	3/4	4,156.15	3/4	4,473.08	3/4		3/4		3/4		3/4		3/4		3/4					
1	3,504.33	1	3,834.27	1	4,162.99	1	4,477.30	1		1		1		1		1		1					
1/4	3,511.20	1/4	3,841.14	1/4	4,169.83	1/4	4,481.51	1/4		1/4		1/4		1/4		1/4		1/4					
1/2	3,518.08	1/2	3,848.02	1/2	4,176.67	1/2	4,485.73	1/2		1/2		1/2		1/2		1/2		1/2					
3/4	3,524.95	3/4	3,854.89	3/4	4,183.51	3/4	4,489.94	3/4		3/4		3/4		3/4		3/4		3/4					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2023 JS
 CALCULATED: 12/04/2023 CL
 PRINTED: 12/04/2023 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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 Pearland, Texas 77688
<http://www.dmacorp.net>



BARGE "EMS 3055"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS												GAUGE HEIGHT 14'-04 3/4"											
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.				
0	29.05	0	389.97	0	775.49	0	1,159.07	0	1,540.95	0	1,925.48	0	2,314.21	0	2,702.95	0	3,091.43	0	3,479.91				
1/4	33.27	1/4	397.90	1/4	783.59	1/4	1,166.92	1/4	1,548.91	1/4	1,933.58	1/4	2,322.31	1/4	2,711.04	1/4	3,099.52	1/4	3,488.00				
1/2	37.49	1/2	405.83	1/2	791.69	1/2	1,174.77	1/2	1,556.87	1/2	1,941.68	1/2	2,330.41	1/2	2,719.14	1/2	3,107.62	1/2	3,486.10				
3/4	43.06	3/4	413.76	3/4	799.78	3/4	1,182.62	3/4	1,564.78	3/4	1,949.78	3/4	2,338.51	3/4	2,727.23	3/4	3,115.71	3/4	3,504.19				
1	48.63	1	421.69	1	807.88	1	1,190.47	1	1,572.69	1	1,957.88	1	2,346.61	1	2,735.33	1	3,123.81	1	3,512.28				
1/4	54.20	1/4	429.62	1/4	815.98	1/4	1,199.33	1/4	1,580.50	1/4	1,965.98	1/4	2,354.71	1/4	2,743.42	1/4	3,131.99	1/4	3,520.38				
1/2	59.77	1/2	437.55	1/2	824.07	1/2	1,206.18	1/2	1,588.62	1/2	1,974.07	1/2	2,362.81	1/2	2,751.51	1/2	3,139.99	1/2	3,528.47				
3/4	66.68	3/4	445.48	3/4	832.17	3/4	1,214.03	3/4	1,596.43	3/4	1,982.17	3/4	2,370.91	3/4	2,759.61	3/4	3,148.09	3/4	3,536.56				
2	73.60	2	453.42	2	840.26	2	1,221.88	2	1,604.34	2	1,990.27	2	2,379.00	2	2,767.70	2	3,156.18	2	3,544.66				
1/4	80.52	1/4	461.35	1/4	848.36	1/4	1,229.74	1/4	1,612.25	1/4	1,998.37	1/4	2,387.10	1/4	2,775.79	1/4	3,164.27	1/4	3,552.75				
1/2	87.44	1/2	469.28	1/2	856.46	1/2	1,237.59	1/2	1,620.16	1/2	2,006.47	1/2	2,395.20	1/2	2,783.89	1/2	3,172.37	1/2	3,560.84				
3/4	95.20	3/4	477.21	3/4	864.55	3/4	1,245.44	3/4	1,628.07	3/4	2,014.57	3/4	2,403.30	3/4	2,791.98	3/4	3,180.46	3/4	3,568.94				
3	102.96	3	485.15	3	872.65	3	1,253.29	3	1,635.99	3	2,022.67	3	2,411.40	3	2,800.07	3	3,188.55	3	3,577.03				
1/4	110.72	1/4	493.08	1/4	880.75	1/4	1,261.14	1/4	1,643.90	1/4	2,030.76	1/4	2,419.50	1/4	2,808.17	1/4	3,196.65	1/4	3,585.12				
1/2	118.49	1/2	501.02	1/2	888.84	1/2	1,269.00	1/2	1,651.81	1/2	2,038.86	1/2	2,427.60	1/2	2,816.26	1/2	3,204.74	1/2	3,593.22				
3/4	126.42	3/4	508.95	3/4	896.94	3/4	1,276.85	3/4	1,659.72	3/4	2,046.96	3/4	2,435.69	3/4	2,824.35	3/4	3,212.83	3/4	3,601.31				
4	134.35	4	516.89	4	905.03	4	1,284.70	4	1,667.63	4	2,055.06	4	2,443.79	4	2,832.45	4	3,220.92	4	3,609.40				
1/4	142.28	1/4	524.83	1/4	913.13	1/4	1,292.56	1/4	1,675.55	1/4	2,063.16	1/4	2,451.89	1/4	2,840.54	1/4	3,229.02	1/4	3,617.50				
1/2	150.21	1/2	532.76	1/2	921.33	1/2	1,300.41	1/2	1,683.46	1/2	2,071.26	1/2	2,459.99	1/2	2,848.63	1/2	3,237.11	1/2	3,625.59				
3/4	158.14	3/4	540.82	3/4	929.32	3/4	1,308.27	3/4	1,691.37	3/4	2,079.36	3/4	2,468.09	3/4	2,856.73	3/4	3,245.20	3/4	3,633.68				
5	166.07	5	548.88	5	937.42	5	1,316.12	5	1,699.28	5	2,087.45	5	2,476.19	5	2,864.82	5	3,253.30	5	3,641.78				
1/4	174.00	1/4	556.93	1/4	945.52	1/4	1,323.98	1/4	1,707.19	1/4	2,095.55	1/4	2,484.29	1/4	2,872.91	1/4	3,261.39	1/4	3,649.87				
1/2	181.93	1/2	564.99	1/2	953.61	1/2	1,331.83	1/2	1,715.11	1/2	2,103.65	1/2	2,492.38	1/2	2,881.01	1/2	3,269.48	1/2	3,657.96				
3/4	189.98	3/4	573.09	3/4	961.71	3/4	1,339.70	3/4	1,723.16	3/4	2,111.75	3/4	2,500.48	3/4	2,889.10	3/4	3,277.58	3/4	3,666.06				
6	198.02	6	581.18	6	969.81	6	1,347.56	6	1,731.21	6	2,119.85	6	2,508.58	6	2,897.19	6	3,285.67	6	3,674.15				
1/4	206.07	1/4	589.28	1/4	977.90	1/4	1,355.43	1/4	1,739.26	1/4	2,127.95	1/4	2,516.68	1/4	2,905.29	1/4	3,293.76	1/4	3,682.24				
1/2	214.11	1/2	597.38	1/2	986.00	1/2	1,363.29	1/2	1,747.31	1/2	2,136.05	1/2	2,524.78	1/2	2,913.38	1/2	3,301.86	1/2	3,690.34				
3/4	222.20	3/4	605.47	3/4	993.92	3/4	1,371.33	3/4	1,755.41	3/4	2,144.14	3/4	2,532.88	3/4	2,921.47	3/4	3,309.95	3/4	3,698.43				
7	230.28	7	613.57	7	1,001.85	7	1,379.37	7	1,763.51	7	2,152.24	7	2,540.98	7	2,929.57	7	3,318.04	7	3,706.52				
1/4	238.37	1/4	621.66	1/4	1,009.77	1/4	1,387.41	1/4	1,771.61	1/4	2,160.34	1/4	2,549.07	1/4	2,937.66	1/4	3,326.14	1/4	3,714.62				
1/2	246.45	1/2	629.76	1/2	1,017.69	1/2	1,395.45	1/2	1,779.71	1/2	2,168.44	1/2	2,557.17	1/2	2,945.75	1/2	3,334.23	1/2	3,722.71				
3/4	254.53	3/4	637.86	3/4	1,025.55	3/4	1,403.55	3/4	1,787.81	3/4	2,176.54	3/4	2,565.27	3/4	2,953.85	3/4	3,342.32	3/4	3,730.80				
8	262.62	8	645.95	8	1,033.41	8	1,411.65	8	1,795.90	8	2,184.64	8	2,573.37	8	2,961.94	8	3,350.42	8	3,738.90				
1/4	270.70	1/4	654.05	1/4	1,041.26	1/4	1,419.75	1/4	1,804.00	1/4	2,192.74	1/4	2,581.47	1/4	2,970.03	1/4	3,358.51	1/4	3,746.99				
1/2	278.79	1/2	662.15	1/2	1,049.12	1/2	1,427.85	1/2	1,812.10	1/2	2,200.83	1/2	2,589.57	1/2	2,978.13	1/2	3,366.60	1/2	3,755.08				
3/4	286.76	3/4	670.24	3/4	1,056.98	3/4	1,435.95	3/4	1,820.20	3/4	2,208.93	3/4	2,597.67	3/4	2,986.22	3/4	3,374.70	3/4	3,763.18				
9	294.72	9	678.34	9	1,064.83	9	1,444.05	9	1,828.30	9	2,217.03	9	2,605.76	9	2,994.31	9	3,382.79	9	3,771.27				
1/4	302.69	1/4	686.43	1/4	1,072.69	1/4	1,452.15	1/4	1,836.40	1/4	2,225.13	1/4	2,613.86	1/4	3,002.41	1/4	3,390.88	1/4	3,779.36				
1/2	310.66	1/2	694.53	1/2	1,080.54	1/2	1,460.24	1/2	1,844.50	1/2	2,233.23	1/2	2,621.96	1/2	3,010.50	1/2	3,398.97	1/2	3,787.46				
3/4	318.59	3/4	702.63	3/4	1,088.39	3/4	1,468.34	3/4	1,852.59	3/4	2,241.33	3/4	2,630.06	3/4	3,018.59	3/4	3,407.07	3/4	3,795.55				
10	326.52	10	710.72	10	1,096.25	10	1,476.44	10	1,860.69	10	2,249.43	10	2,638.16	10	3,026.69	10	3,415.16	10	3,803.64				
1/4	334.45	1/4	718.82	1/4	1,104.10	1/4	1,484.54	1/4	1,868.78	1/4	2,257.52	1/4	2,646.26	1/4	3,034.78	1/4	3,423.26	1/4	3,811.74				
1/2	342.39	1/2	726.92	1/2	1,111.95	1/2	1,492.64	1/2	1,876.89	1/2	2,265.62	1/2	2,654.36	1/2	3,042.87	1/2	3,431.35	1/2	3,819.83				
3/4	350.32	3/4	735.01	3/4	1,119.81	3/4	1,500.74	3/4	1,884.99	3/4	2,273.72	3/4	2,662.45	3/4	3,050.97	3/4	3,439.44	3/4	3,827.92				
11	358.25	11	743.11	11	1,127.66	11	1,508.84	11	1,893.09	11	2,281.82	11	2,670.55	11	3,059.06	11	3,447.54	11	3,836.02				
1/4	366.18	1/4	751.20	1/4	1,135.51	1/4	1,516.93	1/4	1,901.19	1/4	2,289.92	1/4	2,678.65	1/4	3,067.15	1/4	3,455.63	1/4	3,844.11				
1/2	374.11	1/2	759.30	1/2	1,143.36	1/2	1,525.03	1/2	1,909.28	1/2	2,298.02	1/2	2,686.75	1/2	3,075.25	1/2	3,463.72	1/2	3,852.20				
3/4	382.04	3/4	767.40	3/4	1,151.21	3/4	1,532.99	3/4	1,917.38	3/4	2,306.12	3/4	2,694.85	3/4	3,083.34	3/4	3,471.82	3/4	3,860.30				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NIPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 10" HATCH
GAUGE POINT: (10" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 4'-10" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "EMS 305"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS												GAUGE HEIGHT 14'-04 1/2"											
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.				
0	29.00	0	389.36	0	774.28	0	1,153.76	0	1,530.84	0	1,918.97	0	2,307.10	0	2,695.22	0	3,083.10	0	3,470.97				
1/4	33.22	1/4	397.28	1/4	782.36	1/4	1,161.43	1/4	1,538.93	1/4	1,918.97	1/4	2,307.10	1/4	2,695.22	1/4	3,083.10	1/4	3,470.97				
1/2	37.43	1/2	405.19	1/2	790.45	1/2	1,169.11	1/2	1,547.01	1/2	1,935.14	1/2	2,323.27	1/2	2,711.38	1/2	3,099.26	1/2	3,479.05				
3/4	42.99	3/4	413.11	3/4	798.53	3/4	1,176.78	3/4	1,555.10	3/4	1,943.23	3/4	2,331.36	3/4	2,719.47	3/4	3,107.34	3/4	3,485.21				
1	48.55	1	421.03	1	806.61	1	1,184.46	1	1,563.19	1	1,951.31	1	2,339.44	1	2,727.55	1	3,115.42	1	3,503.29				
1 1/4	54.11	1 1/4	428.95	1 1/4	814.70	1 1/4	1,192.80	1 1/4	1,571.27	1 1/4	1,959.99	1 1/4	2,347.53	1 1/4	2,735.63	1 1/4	3,123.50	1 1/4	3,511.37				
1 1/2	59.67	1 1/2	436.87	1 1/2	822.78	1 1/2	1,199.83	1 1/2	1,579.36	1 1/2	1,967.49	1 1/2	2,355.51	1 1/2	2,743.71	1 1/2	3,131.58	1 1/2	3,519.45				
1 3/4	66.58	1 3/4	444.78	1 3/4	830.87	1 3/4	1,207.48	1 3/4	1,587.44	1 3/4	1,975.57	1 3/4	2,363.70	1 3/4	2,751.79	1 3/4	3,139.66	1 3/4	3,527.54				
2	73.49	2	452.70	2	838.95	2	1,215.15	2	1,595.53	2	1,983.66	2	2,371.74	2	2,759.87	2	3,147.74	2	3,535.62				
1/4	80.39	1/4	460.62	1/4	847.03	1/4	1,222.82	1/4	1,603.62	1/4	1,991.74	1/4	2,379.87	1/4	2,767.95	1/4	3,155.82	1/4	3,543.70				
1/2	87.30	1/2	468.54	1/2	855.12	1/2	1,230.50	1/2	1,611.70	1/2	1,999.83	1/2	2,387.96	1/2	2,776.03	1/2	3,163.90	1/2	3,551.78				
3/4	95.05	3/4	476.46	3/4	863.20	3/4	1,238.17	3/4	1,619.79	3/4	2,007.92	3/4	2,396.04	3/4	2,784.11	3/4	3,171.98	3/4	3,559.86				
3	102.80	3	484.38	3	871.28	3	1,245.85	3	1,627.87	3	2,016.00	3	2,404.13	3	2,792.19	3	3,180.07	3	3,567.94				
1/4	110.55	1/4	492.31	1/4	879.37	1/4	1,253.52	1/4	1,635.96	1/4	2,024.09	1/4	2,412.22	1/4	2,800.27	1/4	3,188.15	1/4	3,576.02				
1/2	118.30	1/2	500.23	1/2	887.45	1/2	1,261.19	1/2	1,644.05	1/2	2,032.17	1/2	2,420.30	1/2	2,808.35	1/2	3,196.23	1/2	3,584.10				
3/4	126.22	3/4	508.15	3/4	895.53	3/4	1,268.87	3/4	1,652.13	3/4	2,040.26	3/4	2,428.39	3/4	2,816.43	3/4	3,204.31	3/4	3,592.18				
4	134.14	4	516.08	4	903.62	4	1,276.54	4	1,660.22	4	2,048.35	4	2,436.47	4	2,824.51	4	3,212.39	4	3,600.26				
1/4	142.05	1/4	524.00	1/4	911.70	1/4	1,284.22	1/4	1,668.30	1/4	2,056.43	1/4	2,444.56	1/4	2,832.60	1/4	3,220.47	1/4	3,608.34				
1/2	149.97	1/2	531.93	1/2	919.79	1/2	1,291.90	1/2	1,676.39	1/2	2,064.52	1/2	2,452.65	1/2	2,840.68	1/2	3,228.55	1/2	3,616.42				
3/4	157.89	3/4	539.87	3/4	927.87	3/4	1,299.57	3/4	1,684.48	3/4	2,072.60	3/4	2,460.73	3/4	2,848.76	3/4	3,236.63	3/4	3,624.50				
5	165.81	5	548.02	5	935.95	5	1,307.25	5	1,692.55	5	2,080.69	5	2,468.82	5	2,856.84	5	3,244.71	5	3,632.58				
1/4	173.73	1/4	556.06	1/4	944.04	1/4	1,314.93	1/4	1,700.65	1/4	2,088.78	1/4	2,476.90	1/4	2,864.92	1/4	3,252.79	1/4	3,640.67				
1/2	181.65	1/2	564.10	1/2	952.12	1/2	1,322.60	1/2	1,708.73	1/2	2,096.86	1/2	2,484.99	1/2	2,873.00	1/2	3,260.87	1/2	3,648.75				
3/4	189.68	3/4	572.19	3/4	960.20	3/4	1,330.39	3/4	1,716.82	3/4	2,104.95	3/4	2,493.08	3/4	2,881.08	3/4	3,268.95	3/4	3,656.83				
6	197.71	6	580.27	6	968.29	6	1,338.27	6	1,724.91	6	2,113.03	6	2,501.16	6	2,889.16	6	3,277.03	6	3,664.91				
1/4	205.75	1/4	588.35	1/4	976.37	1/4	1,346.66	1/4	1,732.99	1/4	2,121.12	1/4	2,509.25	1/4	2,897.24	1/4	3,285.11	1/4	3,672.99				
1/2	213.78	1/2	596.44	1/2	984.46	1/2	1,354.35	1/2	1,741.08	1/2	2,129.21	1/2	2,517.33	1/2	2,905.32	1/2	3,293.20	1/2	3,681.07				
3/4	221.85	3/4	604.52	3/4	992.54	3/4	1,361.33	3/4	1,749.16	3/4	2,137.29	3/4	2,525.42	3/4	2,913.40	3/4	3,301.28	3/4	3,689.15				
7	229.99	7	612.61	7	1,000.03	7	1,369.32	7	1,757.25	7	2,145.38	7	2,533.46	7	2,921.48	7	3,309.36	7	3,697.23				
1/4	237.99	1/4	620.69	1/4	1,007.81	1/4	1,377.31	1/4	1,765.34	1/4	2,153.46	1/4	2,541.59	1/4	2,929.56	1/4	3,317.44	1/4	3,705.31				
1/2	246.06	1/2	628.77	1/2	1,015.60	1/2	1,385.29	1/2	1,773.42	1/2	2,161.55	1/2	2,549.68	1/2	2,937.64	1/2	3,325.52	1/2	3,713.39				
3/4	254.14	3/4	636.86	3/4	1,023.28	3/4	1,393.38	3/4	1,781.51	3/4	2,169.64	3/4	2,557.76	3/4	2,945.73	3/4	3,333.60	3/4	3,721.47				
8	262.21	8	644.94	8	1,030.96	8	1,401.47	8	1,789.59	8	2,177.72	8	2,565.85	8	2,953.81	8	3,341.68	8	3,729.55				
1/4	270.28	1/4	653.02	1/4	1,038.64	1/4	1,409.55	1/4	1,797.68	1/4	2,185.81	1/4	2,573.94	1/4	2,961.89	1/4	3,349.76	1/4	3,737.63				
1/2	278.35	1/2	661.11	1/2	1,046.31	1/2	1,417.64	1/2	1,805.77	1/2	2,193.89	1/2	2,582.02	1/2	2,969.97	1/2	3,357.84	1/2	3,745.71				
3/4	286.31	3/4	669.19	3/4	1,053.99	3/4	1,425.72	3/4	1,813.85	3/4	2,201.98	3/4	2,590.11	3/4	2,978.05	3/4	3,365.92	3/4	3,753.80				
9	294.26	9	677.28	9	1,061.67	9	1,433.81	9	1,821.94	9	2,210.07	9	2,598.19	9	2,986.13	9	3,374.00	9	3,761.88				
1/4	302.22	1/4	685.36	1/4	1,069.34	1/4	1,441.90	1/4	1,830.02	1/4	2,218.15	1/4	2,606.28	1/4	2,994.21	1/4	3,382.08	1/4	3,769.96				
1/2	310.19	1/2	693.44	1/2	1,077.02	1/2	1,449.98	1/2	1,838.11	1/2	2,226.24	1/2	2,614.37	1/2	3,002.29	1/2	3,390.16	1/2	3,778.04				
3/4	318.09	3/4	701.53	3/4	1,084.70	3/4	1,458.07	3/4	1,846.20	3/4	2,234.32	3/4	2,622.45	3/4	3,010.37	3/4	3,398.24	3/4	3,786.12				
10	326.01	10	709.61	10	1,092.37	10	1,466.15	10	1,854.28	10	2,242.41	10	2,630.54	10	3,018.45	10	3,406.32	10	3,794.20				
1/4	333.93	1/4	717.69	1/4	1,100.04	1/4	1,474.24	1/4	1,862.37	1/4	2,250.50	1/4	2,638.62	1/4	3,026.53	1/4	3,414.41	1/4	3,802.28				
1/2	341.85	1/2	725.78	1/2	1,107.72	1/2	1,482.33	1/2	1,870.45	1/2	2,258.58	1/2	2,646.71	1/2	3,034.61	1/2	3,422.49	1/2	3,810.36				
3/4	349.77	3/4	733.86	3/4	1,115.39	3/4	1,490.41	3/4	1,878.54	3/4	2,266.67	3/4	2,654.80	3/4	3,042.69	3/4	3,430.57	3/4	3,818.44				
11	357.68	11	741.94	11	1,123.07	11	1,498.50	11	1,886.63	11	2,274.75	11	2,662.88	11	3,050.77	11	3,438.65	11	3,826.52				
1/4	365.60	1/4	750.03	1/4	1,130.74	1/4	1,506.58	1/4	1,894.74	1/4	2,282.84	1/4	2,670.97	1/4	3,058.85	1/4	3,446.73	1/4	3,834.60				
1/2	373.52	1/2	758.11	1/2	1,138.41	1/2	1,514.67	1/2	1,902.80	1/2	2,290.93	1/2	2,679.05	1/2	3,066.94	1/2	3,454.81	1/2	3,842.68				
3/4	381.44	3/4	766.20	3/4	1,146.09	3/4	1,522.76	3/4	1,910.88	3/4	2,299.01	3/4	2,687.14	3/4	3,075.02	3/4	3,462.89	3/4	3,850.76				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 10" HATCH
GAUGE POINT: (10" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.



BARGE "EMS 3055"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 14'-04 1/2"								
IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	3,856.84	4,246.72	4,634.59	5,020.88	5,402.92	5,782.44	6,159.24	6,533.16	6,904.08	7,271.84
1/4	3,866.92	4,254.80	4,642.67	5,028.92	5,406.96	5,786.48	6,163.28	6,537.20	6,908.12	7,275.88
1/2	3,875.01	4,262.88	4,650.75	5,036.97	5,415.01	5,795.52	6,171.32	6,545.24	6,916.16	7,283.92
3/4	3,883.09	4,270.96	4,658.83	5,045.01	5,423.05	5,803.56	6,179.36	6,553.28	6,924.20	7,291.96
1	3,891.17	4,279.04	4,666.91	5,053.05	5,431.09	5,811.60	6,187.40	6,561.32	6,932.24	7,300.00
1/4	3,899.25	4,287.12	4,674.99	5,061.09	5,439.13	5,819.64	6,195.44	6,569.36	6,940.28	7,308.04
1/2	3,907.33	4,295.20	4,683.08	5,069.13	5,447.17	5,827.68	6,203.48	6,577.40	6,948.32	7,316.08
3/4	3,915.41	4,303.28	4,691.13	5,077.18	5,455.21	5,835.72	6,211.52	6,585.44	6,956.36	7,324.12
2	3,923.49	4,311.36	4,699.18	5,085.22	5,463.25	5,843.76	6,219.56	6,593.48	6,964.40	7,332.16
1/4	3,931.57	4,319.44	4,707.23	5,093.26	5,471.29	5,851.80	6,227.60	6,601.52	6,972.44	7,340.20
1/2	3,939.65	4,327.52	4,715.28	5,101.30	5,479.33	5,859.84	6,235.64	6,609.56	6,980.48	7,348.24
3/4	3,947.73	4,335.61	4,723.32	5,109.35	5,487.37	5,867.88	6,243.68	6,617.60	6,988.52	7,356.28
3	3,955.81	4,343.69	4,731.36	5,117.39	5,495.41	5,875.92	6,251.72	6,625.64	6,996.56	7,364.32
1/4	3,963.89	4,351.77	4,739.40	5,125.43	5,503.45	5,883.96	6,259.76	6,633.68	7,004.60	7,372.36
1/2	3,971.97	4,359.85	4,747.45	5,133.47	5,511.49	5,892.00	6,267.80	6,641.72	7,012.64	7,380.40
3/4	3,980.05	4,367.93	4,755.49	5,141.51	5,519.53	5,899.04	6,275.84	6,649.76	7,020.68	7,388.44
4	3,988.14	4,376.01	4,763.53	5,149.56	5,527.57	5,907.08	6,283.88	6,657.80	7,028.72	7,396.48
1/4	3,996.22	4,384.09	4,771.57	5,157.60	5,535.61	5,915.12	6,291.92	6,665.84	7,036.76	7,404.52
1/2	4,004.30	4,392.17	4,779.61	5,165.64	5,543.65	5,923.16	6,299.96	6,673.88	7,044.80	7,412.56
3/4	4,012.38	4,400.25	4,787.66	5,173.68	5,551.69	5,931.20	6,308.00	6,681.92	7,052.84	7,420.60
5	4,020.46	4,408.33	4,795.70	5,181.72	5,559.73	5,939.24	6,316.04	6,689.96	7,060.88	7,428.64
1/4	4,028.54	4,416.41	4,803.74	5,189.76	5,567.77	5,947.28	6,324.08	6,698.00	7,068.92	7,436.68
1/2	4,036.62	4,424.49	4,811.78	5,197.80	5,575.81	5,955.32	6,332.12	6,706.04	7,076.96	7,444.72
3/4	4,044.70	4,432.57	4,819.83	5,205.84	5,583.85	5,963.36	6,340.16	6,714.08	7,085.00	7,452.76
6	4,052.78	4,440.65	4,827.87	5,213.88	5,591.89	5,971.40	6,348.20	6,722.12	7,093.04	7,460.80
1/4	4,060.86	4,448.74	4,835.91	5,221.92	5,599.93	5,979.44	6,356.24	6,730.16	7,101.08	7,468.84
1/2	4,068.94	4,456.82	4,843.95	5,229.96	5,607.97	5,987.48	6,364.28	6,738.20	7,109.12	7,476.88
3/4	4,077.02	4,464.90	4,851.99	5,237.99	5,616.01	5,995.52	6,372.32	6,746.24	7,117.16	7,484.92
7	4,085.10	4,472.98	4,860.04	5,245.26	5,624.05	6,003.56	6,380.36	6,754.28	7,125.20	7,492.96
1/4	4,093.18	4,481.06	4,868.08	5,253.24	5,632.09	6,011.60	6,388.40	6,762.32	7,133.24	7,501.00
1/2	4,101.27	4,489.14	4,876.12	5,261.23	5,640.13	6,019.64	6,396.44	6,770.36	7,141.28	7,509.04
3/4	4,109.35	4,497.22	4,884.16	5,269.21	5,648.17	6,027.68	6,404.48	6,778.40	7,149.32	7,517.08
8	4,117.43	4,505.30	4,892.21	5,277.20	5,656.21	6,035.72	6,412.52	6,786.44	7,157.36	7,525.12
1/4	4,125.51	4,513.38	4,900.25	5,285.18	5,664.25	6,043.76	6,420.56	6,794.48	7,165.40	7,533.16
1/2	4,133.59	4,521.46	4,908.29	5,293.16	5,672.29	6,051.80	6,428.60	6,802.52	7,173.44	7,541.20
3/4	4,141.67	4,529.54	4,916.33	5,301.15	5,680.33	6,059.84	6,436.64	6,810.56	7,181.48	7,549.24
9	4,149.75	4,537.62	4,924.37	5,308.13	5,688.37	6,067.88	6,444.68	6,818.60	7,189.52	7,557.28
1/4	4,157.83	4,545.70	4,932.42	5,316.11	5,696.41	6,075.92	6,452.72	6,826.64	7,197.56	7,565.32
1/2	4,165.91	4,553.78	4,940.46	5,324.09	5,704.45	6,083.96	6,460.76	6,834.68	7,205.60	7,573.36
3/4	4,173.99	4,561.87	4,948.50	5,332.03	5,712.49	6,092.00	6,468.80	6,842.72	7,213.64	7,581.40
10	4,182.07	4,569.95	4,956.54	5,339.97	5,720.53	6,099.04	6,476.84	6,850.76	7,221.68	7,589.44
1/4	4,190.15	4,578.03	4,964.59	5,347.91	5,728.57	6,107.08	6,484.88	6,858.80	7,229.72	7,597.48
1/2	4,198.23	4,586.11	4,972.63	5,355.85	5,736.61	6,115.12	6,492.92	6,866.84	7,237.76	7,605.52
3/4	4,206.31	4,594.19	4,980.67	5,363.79	5,744.65	6,123.16	6,500.96	6,874.88	7,245.80	7,613.56
11	4,214.39	4,602.27	4,988.71	5,371.73	5,752.69	6,131.20	6,509.00	6,882.92	7,253.84	7,621.60
1/4	4,222.48	4,610.35	4,996.75	5,379.77	5,760.73	6,139.24	6,517.04	6,890.96	7,261.88	7,629.64
1/2	4,230.56	4,618.43	5,004.80	5,387.81	5,768.77	6,147.28	6,525.08	6,899.00	7,269.92	7,637.68
3/4	4,238.64	4,626.51	5,012.84	5,395.85	5,776.81	6,155.32	6,533.12	6,907.04	7,277.96	7,645.72

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2023 JS
 CALCULATED: 12/04/2023 CL
 PRINTED: 12/04/2023 CL
 CANCELS AND SUPERCEDES
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PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P. O. Box 2092
 Pearland, Texas 77588
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BARGE "EMS 3055"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS												GAUGE HEIGHT 14'-04 1/2"											
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.				
0	28.07	0	363.53	0	721.91	0	1,081.92	0	1,440.56	0	1,797.62	0	2,158.02	0	2,518.12	0	2,871.98	0	3,059.90				
1/4	31.98	1/4	370.91	1/4	729.43	1/4	1,089.37	1/4	1,447.95	1/4	1,805.14	1/4	2,165.52	1/4	2,525.62	1/4	2,876.73	1/4	3,063.78				
1/2	35.90	1/2	378.28	1/2	736.36	1/2	1,096.81	1/2	1,455.39	1/2	1,812.65	1/2	2,173.02	1/2	2,533.13	1/2	2,883.17	1/2	3,067.67				
3/4	41.07	3/4	385.65	3/4	744.88	3/4	1,104.26	3/4	1,462.69	3/4	1,820.17	3/4	2,180.52	3/4	2,540.63	3/4	2,891.31	3/4	3,071.55				
1	46.24	1	393.03	1	752.01	1	1,111.71	1	1,470.04	1	1,827.68	1	2,188.01	1	2,548.14	1	2,899.14	1	3,075.44				
1/4	51.41	1/4	400.40	1/4	759.54	1/4	1,119.16	1/4	1,477.39	1/4	1,835.19	1/4	2,195.51	1/4	2,555.64	1/4	2,899.97	1/4	3,079.32				
1/2	56.59	1/2	407.77	1/2	767.06	1/2	1,126.61	1/2	1,484.74	1/2	1,842.71	1/2	2,203.01	1/2	2,563.15	1/2	2,896.81	1/2	3,083.20				
3/4	63.01	3/4	415.14	3/4	774.59	3/4	1,134.06	3/4	1,492.22	3/4	1,850.22	3/4	2,210.51	3/4	2,570.65	3/4	2,900.68	3/4	3,087.09				
2	69.44	2	422.52	2	782.11	2	1,141.51	2	1,499.44	2	1,857.74	2	2,218.01	2	2,578.16	2	2,904.55	2	3,090.97				
1/4	75.87	1/4	429.89	1/4	789.54	1/4	1,148.96	1/4	1,506.79	1/4	1,865.25	1/4	2,225.50	1/4	2,585.66	1/4	2,908.42	1/4	3,094.86				
1/2	82.30	1/2	437.26	1/2	797.16	1/2	1,156.41	1/2	1,514.14	1/2	1,872.76	1/2	2,233.00	1/2	2,593.17	1/2	2,912.30	1/2	3,098.74				
3/4	89.51	3/4	444.64	3/4	804.69	3/4	1,163.85	3/4	1,521.48	3/4	1,880.28	3/4	2,240.50	3/4	2,600.67	3/4	2,916.18	3/4	3,102.63				
3	96.73	3	452.02	3	812.21	3	1,171.30	3	1,528.83	3	1,887.79	3	2,248.00	3	2,608.18	3	2,920.06	3	3,106.51				
1/4	103.94	1/4	459.39	1/4	819.74	1/4	1,178.75	1/4	1,536.18	1/4	1,895.31	1/4	2,255.49	1/4	2,615.68	1/4	2,923.95	1/4	3,110.39				
1/2	111.15	1/2	466.77	1/2	827.26	1/2	1,186.20	1/2	1,543.53	1/2	1,902.82	1/2	2,262.99	1/2	2,623.19	1/2	2,927.83	1/2	3,114.28				
3/4	118.53	3/4	474.15	3/4	834.79	3/4	1,193.65	3/4	1,550.88	3/4	1,910.34	3/4	2,270.49	3/4	2,630.67	3/4	2,931.72	3/4	3,118.16				
4	125.90	4	481.53	4	842.31	4	1,201.10	4	1,558.23	4	1,917.85	4	2,277.99	4	2,638.16	4	2,935.60	4	3,122.05				
1/4	133.27	1/4	488.91	1/4	849.84	1/4	1,208.58	1/4	1,565.58	1/4	1,925.36	1/4	2,285.48	1/4	2,645.64	1/4	2,939.49	1/4	3,125.93				
1/2	140.64	1/2	496.29	1/2	857.36	1/2	1,216.00	1/2	1,572.92	1/2	1,932.88	1/2	2,292.98	1/2	2,653.13	1/2	2,943.37	1/2	3,129.82				
3/4	148.01	3/4	503.78	3/4	864.89	3/4	1,223.46	3/4	1,580.27	3/4	1,940.40	3/4	2,300.48	3/4	2,660.60	3/4	2,947.25	3/4	3,133.70				
5	155.38	5	511.27	5	872.41	5	1,230.91	5	1,587.62	5	1,947.92	5	2,307.98	5	2,668.08	5	2,951.14	5	3,137.58				
1/4	162.76	1/4	518.76	1/4	879.94	1/4	1,238.36	1/4	1,594.97	1/4	1,955.44	1/4	2,315.48	1/4	2,675.56	1/4	2,955.02	1/4	3,141.47				
1/2	170.13	1/2	526.25	1/2	887.46	1/2	1,245.81	1/2	1,602.32	1/2	1,962.96	1/2	2,322.97	1/2	2,683.04	1/2	2,958.91	1/2	3,145.35				
3/4	177.61	3/4	533.78	3/4	894.99	3/4	1,253.27	3/4	1,609.80	3/4	1,970.48	3/4	2,330.47	3/4	2,690.51	3/4	2,962.79	3/4	3,149.24				
6	185.09	6	541.30	6	902.51	6	1,260.73	6	1,617.28	6	1,978.00	6	2,337.97	6	2,697.99	6	2,966.68	6	3,153.12				
1/4	192.57	1/4	548.83	1/4	910.04	1/4	1,268.19	1/4	1,624.76	1/4	1,985.53	1/4	2,345.47	1/4	2,705.47	1/4	2,970.56	1/4	3,157.01				
1/2	200.05	1/2	556.35	1/2	917.56	1/2	1,275.65	1/2	1,632.24	1/2	1,993.05	1/2	2,352.96	1/2	2,712.94	1/2	2,974.44	1/2	3,160.89				
3/4	207.56	3/4	563.88	3/4	925.07	3/4	1,283.13	3/4	1,639.76	3/4	2,000.55	3/4	2,360.47	3/4	2,720.42	3/4	2,978.33	3/4	3,164.77				
7	215.08	7	571.41	7	932.58	7	1,290.62	7	1,647.28	7	2,008.06	7	2,367.97	7	2,727.90	7	2,982.21	7	3,168.66				
1/4	222.59	1/4	578.93	1/4	940.09	1/4	1,298.10	1/4	1,654.80	1/4	2,015.56	1/4	2,375.48	1/4	2,735.38	1/4	2,986.10	1/4	3,172.54				
1/2	230.11	1/2	586.46	1/2	947.60	1/2	1,305.58	1/2	1,662.33	1/2	2,023.07	1/2	2,382.99	1/2	2,742.85	1/2	2,989.98	1/2	3,176.43				
3/4	237.63	3/4	593.98	3/4	955.09	3/4	1,313.06	3/4	1,669.85	3/4	2,030.56	3/4	2,390.49	3/4	2,750.33	3/4	2,993.87	3/4	3,180.31				
8	245.14	8	601.51	8	962.59	8	1,320.55	8	1,677.37	8	2,038.06	8	2,398.00	8	2,757.81	8	2,997.75	8	3,184.20				
1/4	252.66	1/4	609.03	1/4	970.08	1/4	1,328.04	1/4	1,684.89	1/4	2,045.56	1/4	2,405.51	1/4	2,765.29	1/4	3,001.63	1/4	3,188.08				
1/2	260.17	1/2	616.56	1/2	977.58	1/2	1,335.52	1/2	1,692.42	1/2	2,053.06	1/2	2,413.02	1/2	2,772.76	1/2	3,005.52	1/2	3,191.96				
3/4	267.58	3/4	624.08	3/4	985.04	3/4	1,343.04	3/4	1,699.93	3/4	2,060.55	3/4	2,420.52	3/4	2,780.24	3/4	3,009.40	3/4	3,195.85				
9	274.99	9	631.61	9	992.50	9	1,350.55	9	1,707.45	9	2,068.05	9	2,428.03	9	2,787.72	9	3,013.29	9	3,199.73				
1/4	282.40	1/4	639.13	1/4	999.96	1/4	1,358.07	1/4	1,714.96	1/4	2,075.55	1/4	2,435.54	1/4	2,795.20	1/4	3,017.17	1/4	3,203.62				
1/2	289.80	1/2	646.66	1/2	1,007.43	1/2	1,365.58	1/2	1,722.48	1/2	2,083.05	1/2	2,443.05	1/2	2,802.67	1/2	3,021.06	1/2	3,207.50				
3/4	297.18	3/4	654.18	3/4	1,014.88	3/4	1,373.11	3/4	1,730.00	3/4	2,090.54	3/4	2,450.55	3/4	2,810.15	3/4	3,024.94	3/4	3,211.39				
10	304.55	10	661.71	10	1,022.33	10	1,380.63	10	1,737.51	10	2,098.04	10	2,458.06	10	2,817.63	10	3,028.82	10	3,215.27				
1/4	311.92	1/4	669.23	1/4	1,029.77	1/4	1,388.15	1/4	1,745.02	1/4	2,105.54	1/4	2,465.57	1/4	2,825.10	1/4	3,032.71	1/4	3,219.15				
1/2	319.30	1/2	676.76	1/2	1,037.22	1/2	1,395.68	1/2	1,752.54	1/2	2,113.04	1/2	2,473.08	1/2	2,832.58	1/2	3,036.59	1/2	3,223.04				
3/4	326.67	3/4	684.28	3/4	1,044.67	3/4	1,403.20	3/4	1,760.05	3/4	2,120.54	3/4	2,480.59	3/4	2,840.06	3/4	3,040.48	3/4	3,226.92				
11	334.04	11	691.81	11	1,052.12	11	1,410.73	11	1,767.57	11	2,128.03	11	2,488.09	11	2,847.54	11	3,044.36	11	3,230.81				
1/4	341.42	1/4	699.33	1/4	1,059.57	1/4	1,418.25	1/4	1,775.08	1/4	2,135.53	1/4	2,495.60	1/4	2,855.01	1/4	3,048.25	1/4	3,234.69				
1/2	348.79	1/2	706.86	1/2	1,067.02	1/2	1,425.78	1/2	1,782.59	1/2	2,143.03	1/2	2,503.11	1/2	2,862.49	1/2	3,052.13	1/2	3,238.58				
3/4	356.16	3/4	714.38	3/4	1,074.47	3/4	1,433.17	3/4	1,790.11	3/4	2,150.53	3/4	2,510.61	3/4	2,867.24	3/4	3,059.01	3/4	3,242.46				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAE GAUGES TAKEN TO TOP LIP OF 10" HATCH
 GAUGE POINT: (10" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 54'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
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**3 PORT
BARGE "EMS 3055"**

**3 PORT
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-04" 1/2"

IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	3,246.35	3,432.79	3,619.24	3,804.98	3,986.84	4,168.11	4,349.21	4,530.61	4,713.21	4,896.81
1/4	3,250.23	3,436.68	3,623.12	3,808.84	3,992.71	4,176.21	4,359.71	4,543.21	4,727.21	4,911.21
1/2	3,254.11	3,440.56	3,627.01	3,812.71	3,996.58	4,180.21	4,363.71	4,547.21	4,731.21	4,915.21
3/4	3,258.00	3,444.44	3,630.89	3,816.58	3,999.45	4,182.21	4,365.71	4,549.21	4,733.21	4,917.21
1	3,261.88	3,448.33	3,634.78	3,820.44	3,999.31	4,181.21	4,364.71	4,548.21	4,732.21	4,918.21
1 1/4	3,265.77	3,452.21	3,638.66	3,824.31	3,998.18	4,179.21	4,362.71	4,546.21	4,730.21	4,916.21
1 1/2	3,269.65	3,456.10	3,642.54	3,828.18	3,996.04	4,176.21	4,359.71	4,543.21	4,727.21	4,915.21
1 3/4	3,273.54	3,459.98	3,646.42	3,832.04	3,993.91	4,173.21	4,356.71	4,540.21	4,724.21	4,913.21
2	3,277.42	3,463.87	3,650.29	3,835.91	3,991.78	4,170.21	4,353.71	4,537.21	4,721.21	4,911.21
2 1/4	3,281.30	3,467.75	3,654.17	3,839.78	3,989.64	4,167.21	4,350.71	4,534.21	4,718.21	4,909.21
1/2	3,285.19	3,471.63	3,658.04	3,843.64	3,987.51	4,164.21	4,347.71	4,531.21	4,715.21	4,907.21
3/4	3,289.07	3,475.52	3,661.91	3,847.51	3,985.38	4,161.21	4,344.71	4,528.21	4,712.21	4,905.21
3	3,292.96	3,479.40	3,665.77	3,851.38	3,983.24	4,158.21	4,341.71	4,525.21	4,709.21	4,903.21
1 1/4	3,296.84	3,483.29	3,669.64	3,855.24	3,981.11	4,155.21	4,338.71	4,522.21	4,706.21	4,901.21
1 1/2	3,300.73	3,487.17	3,673.51	3,859.11	3,978.98	4,152.21	4,335.71	4,519.21	4,703.21	4,899.21
3/4	3,304.61	3,491.06	3,677.37	3,862.95	3,976.84	4,149.21	4,332.71	4,516.21	4,700.21	4,897.21
4	3,308.49	3,494.94	3,681.24	3,866.80	3,974.71	4,146.21	4,329.71	4,513.21	4,697.21	4,895.21
1 1/4	3,312.38	3,498.82	3,685.11	3,870.64	3,972.58	4,143.21	4,326.71	4,510.21	4,694.21	4,893.21
1 1/2	3,316.26	3,502.71	3,688.97	3,874.48	3,970.44	4,140.21	4,323.71	4,507.21	4,691.21	4,891.21
3/4	3,320.15	3,506.59	3,692.84	3,878.32	3,968.31	4,137.21	4,320.71	4,504.21	4,688.21	4,889.21
5	3,324.03	3,510.48	3,696.71	3,882.16	3,966.18	4,134.21	4,317.71	4,501.21	4,685.21	4,887.21
1 1/4	3,327.92	3,514.36	3,700.57	3,886.00	3,964.04	4,131.21	4,314.71	4,498.21	4,682.21	4,885.21
1 1/2	3,331.80	3,518.25	3,704.44	3,889.83	3,961.91	4,128.21	4,311.71	4,495.21	4,679.21	4,883.21
3/4	3,335.68	3,522.13	3,708.31	3,893.67	3,959.78	4,125.21	4,308.71	4,492.21	4,676.21	4,881.21
6	3,339.57	3,526.01	3,712.17	3,897.51	3,957.64	4,122.21	4,305.71	4,489.21	4,673.21	4,879.21
1 1/4	3,343.45	3,529.90	3,716.04	3,901.35	3,955.49	4,119.21	4,302.71	4,486.21	4,670.21	4,877.21
1 1/2	3,347.34	3,533.78	3,719.91	3,905.18	3,953.36	4,116.21	4,299.71	4,483.21	4,667.21	4,875.21
3/4	3,351.22	3,537.67	3,723.77	3,909.02	3,951.22	4,113.21	4,296.71	4,480.21	4,664.21	4,873.21
7	3,355.11	3,541.55	3,727.64	3,912.86	3,949.09	4,110.21	4,293.71	4,477.21	4,661.21	4,871.21
1 1/4	3,358.99	3,545.44	3,731.51	3,916.69	3,946.95	4,107.21	4,290.71	4,474.21	4,658.21	4,869.21
1 1/2	3,362.87	3,549.32	3,735.37	3,920.53	3,944.82	4,104.21	4,287.71	4,471.21	4,655.21	4,867.21
3/4	3,366.76	3,553.20	3,739.24	3,924.37	3,942.69	4,101.21	4,284.71	4,468.21	4,652.21	4,865.21
8	3,370.64	3,557.09	3,743.11	3,928.21	3,940.56	4,098.21	4,281.71	4,465.21	4,649.21	4,863.21
1 1/4	3,374.53	3,560.97	3,746.97	3,932.05	3,938.43	4,095.21	4,278.71	4,462.21	4,646.21	4,861.21
1 1/2	3,378.41	3,564.86	3,750.84	3,935.89	3,936.29	4,092.21	4,275.71	4,459.21	4,643.21	4,859.21
3/4	3,382.30	3,568.74	3,754.71	3,939.26	3,934.16	4,089.21	4,272.71	4,456.21	4,640.21	4,857.21
9	3,386.18	3,572.63	3,758.58	3,942.62	3,932.02	4,086.21	4,269.71	4,453.21	4,637.21	4,855.21
1 1/4	3,390.06	3,576.51	3,762.44	3,945.99	3,929.89	4,083.21	4,266.71	4,450.21	4,634.21	4,853.21
1 1/2	3,393.95	3,580.39	3,766.31	3,949.36	3,927.75	4,080.21	4,263.71	4,447.21	4,631.21	4,851.21
3/4	3,397.83	3,584.28	3,770.18	3,951.63	3,925.62	4,077.21	4,260.71	4,444.21	4,628.21	4,849.21
10	3,401.72	3,588.16	3,774.04	3,953.90	3,923.48	4,074.21	4,257.71	4,441.21	4,625.21	4,847.21
1 1/4	3,405.60	3,592.05	3,777.91	3,956.17	3,921.35	4,071.21	4,254.71	4,438.21	4,622.21	4,845.21
1 1/2	3,409.49	3,595.93	3,781.78	3,958.44	3,919.21	4,068.21	4,251.71	4,435.21	4,619.21	4,843.21
3/4	3,413.37	3,599.82	3,785.64	3,959.82	3,917.08	4,065.21	4,248.71	4,432.21	4,616.21	4,841.21
11	3,417.25	3,603.70	3,789.51	3,961.47	3,914.95	4,062.21	4,245.71	4,429.21	4,613.21	4,839.21
1 1/4	3,421.14	3,607.58	3,793.38	3,963.33	3,912.82	4,059.21	4,242.71	4,426.21	4,610.21	4,837.21
1 1/2	3,425.02	3,611.47	3,797.24	3,965.18	3,910.69	4,056.21	4,239.71	4,423.21	4,607.21	4,835.21
3/4	3,428.91	3,615.35	3,801.11	3,967.04	3,908.56	4,053.21	4,236.71	4,420.21	4,604.21	4,833.21

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2023 JS
 CALCULATED: 12/04/2023 CL
 PRINTED: 12/04/2023 CL
 CANCELS AND SUPERCEDS
 ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmaoopr.net>



BARGE "EMS 3055"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS & 42 U.S. GALLONS										GAUGE HEIGHT 14'-04 1/2"									
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	28.02	0	363.24	0	720.11	0	1,069.67	0	1,415.63	0	1,772.31	0	2,132.32	0	2,492.02	0	2,845.50	0	3,033.30
1/4	31.93	1/4	370.59	1/4	727.62	1/4	1,076.76	1/4	1,423.02	1/4	1,779.81	1/4	2,139.81	1/4	2,499.52	1/4	2,850.24	1/4	3,037.19
1/2	35.85	1/2	377.93	1/2	735.14	1/2	1,083.85	1/2	1,430.40	1/2	1,787.32	1/2	2,147.30	1/2	2,507.02	1/2	2,854.98	1/2	3,041.07
3/4	41.02	3/4	385.27	3/4	742.56	3/4	1,090.94	3/4	1,437.74	3/4	1,794.82	3/4	2,154.79	3/4	2,514.52	3/4	2,858.81	3/4	3,044.95
1	46.18	1	392.60	1	749.97	1	1,098.03	1	1,445.08	1	1,802.33	1	2,162.28	1	2,522.01	1	2,862.63	1	3,048.83
1 1/4	51.35	1 1/4	399.94	1 1/4	757.39	1 1/4	1,105.12	1 1/4	1,452.42	1 1/4	1,809.84	1 1/4	2,169.77	1 1/4	2,529.51	1 1/4	2,866.46	1 1/4	3,052.72
1 1/2	56.52	1 1/2	407.27	1 1/2	764.81	1 1/2	1,112.21	1 1/2	1,459.76	1 1/2	1,817.34	1 1/2	2,177.26	1 1/2	2,537.01	1 1/2	2,870.29	1 1/2	3,056.60
1 3/4	62.95	1 3/4	414.61	1 3/4	772.19	1 3/4	1,119.30	1 3/4	1,467.10	1 3/4	1,824.85	1 3/4	2,184.75	1 3/4	2,544.50	1 3/4	2,874.16	1 3/4	3,060.48
2	69.37	2	421.95	2	779.58	2	1,126.39	2	1,474.44	2	1,832.35	2	2,192.24	2	2,552.00	2	2,878.03	2	3,064.37
2 1/4	75.79	2 1/4	429.28	2 1/4	786.96	2 1/4	1,133.48	2 1/4	1,481.78	2 1/4	1,839.86	2 1/4	2,199.73	2 1/4	2,559.50	2 1/4	2,885.77	2 1/4	3,068.25
2 1/2	82.22	2 1/2	436.62	2 1/2	794.35	2 1/2	1,140.57	2 1/2	1,489.13	2 1/2	1,847.37	2 1/2	2,207.21	2 1/2	2,566.99	2 1/2	2,892.12	2 1/2	3,072.13
2 3/4	89.43	2 3/4	443.96	2 3/4	801.72	2 3/4	1,147.66	2 3/4	1,496.47	2 3/4	1,854.87	2 3/4	2,214.70	2 3/4	2,574.49	2 3/4	2,898.65	2 3/4	3,076.01
3	96.64	3	451.30	3	809.10	3	1,154.74	3	1,503.81	3	1,862.38	3	2,222.19	3	2,581.99	3	2,893.53	3	2,893.53
3 1/4	103.85	3 1/4	458.64	3 1/4	816.48	3 1/4	1,161.83	3 1/4	1,511.15	3 1/4	1,869.88	3 1/4	2,229.68	3 1/4	2,589.49	3 1/4	2,897.41	3 1/4	3,083.78
3 1/2	111.06	3 1/2	465.98	3 1/2	823.86	3 1/2	1,168.92	3 1/2	1,518.49	3 1/2	1,877.39	3 1/2	2,237.17	3 1/2	2,596.98	3 1/2	2,901.30	3 1/2	3,087.66
3 3/4	118.43	3 3/4	473.32	3 3/4	831.24	3 3/4	1,176.02	3 3/4	1,525.83	3 3/4	1,884.90	3 3/4	2,244.66	3 3/4	2,604.46	3 3/4	2,905.18	3 3/4	3,091.54
4	125.79	4	480.66	4	838.61	4	1,183.11	4	1,533.17	4	1,892.40	4	2,252.15	4	2,611.94	4	2,912.94	4	3,095.43
4 1/4	133.16	4 1/4	488.01	4 1/4	845.99	4 1/4	1,190.20	4 1/4	1,540.51	4 1/4	1,899.91	4 1/4	2,259.64	4 1/4	2,619.41	4 1/4	2,919.94	4 1/4	3,099.31
4 1/2	140.53	4 1/2	495.35	4 1/2	853.37	4 1/2	1,197.29	4 1/2	1,547.85	4 1/2	1,907.41	4 1/2	2,267.13	4 1/2	2,626.89	4 1/2	2,916.83	4 1/2	3,103.19
4 3/4	147.89	4 3/4	502.74	4 3/4	860.74	4 3/4	1,204.38	4 3/4	1,555.19	4 3/4	1,914.93	4 3/4	2,274.62	4 3/4	2,634.36	4 3/4	2,920.71	4 3/4	3,107.07
5	155.26	5	510.25	5	868.12	5	1,211.47	5	1,562.53	5	1,922.44	5	2,282.11	5	2,641.83	5	2,924.59	5	3,110.96
5 1/4	162.63	5 1/4	517.71	5 1/4	875.50	5 1/4	1,218.57	5 1/4	1,569.87	5 1/4	1,929.95	5 1/4	2,289.60	5 1/4	2,649.30	5 1/4	2,928.47	5 1/4	3,114.84
5 1/2	170.00	5 1/2	525.16	5 1/2	882.87	5 1/2	1,225.66	5 1/2	1,577.21	5 1/2	1,937.46	5 1/2	2,297.09	5 1/2	2,656.76	5 1/2	2,932.36	5 1/2	3,118.72
5 3/4	177.47	5 3/4	532.65	5 3/4	890.25	5 3/4	1,233.76	5 3/4	1,584.68	5 3/4	1,944.98	5 3/4	2,304.58	5 3/4	2,664.23	5 3/4	2,936.24	5 3/4	3,122.60
6	184.85	6	540.14	6	897.63	6	1,239.86	6	1,592.16	6	1,952.49	6	2,312.07	6	2,671.70	6	2,944.12	6	3,126.49
6 1/4	192.43	6 1/4	547.63	6 1/4	905.00	6 1/4	1,246.96	6 1/4	1,599.63	6 1/4	1,960.01	6 1/4	2,319.56	6 1/4	2,679.17	6 1/4	2,944.00	6 1/4	3,130.37
6 1/2	199.90	6 1/2	555.12	6 1/2	912.38	6 1/2	1,254.06	6 1/2	1,607.10	6 1/2	1,967.52	6 1/2	2,327.05	6 1/2	2,686.64	6 1/2	2,947.89	6 1/2	3,134.25
6 3/4	207.41	6 3/4	562.61	6 3/4	919.74	6 3/4	1,261.19	6 3/4	1,614.61	6 3/4	1,975.02	6 3/4	2,334.55	6 3/4	2,694.11	6 3/4	2,951.77	6 3/4	3,138.13
7	214.92	7	570.09	7	927.10	7	1,268.31	7	1,622.13	7	1,982.51	7	2,342.04	7	2,701.58	7	2,955.65	7	3,142.02
7 1/4	222.43	7 1/4	577.58	7 1/4	934.46	7 1/4	1,275.43	7 1/4	1,629.64	7 1/4	1,990.01	7 1/4	2,349.54	7 1/4	2,709.05	7 1/4	2,959.53	7 1/4	3,145.90
7 1/2	229.95	7 1/2	585.07	7 1/2	941.82	7 1/2	1,282.55	7 1/2	1,637.16	7 1/2	1,997.51	7 1/2	2,357.04	7 1/2	2,716.52	7 1/2	2,963.42	7 1/2	3,149.78
7 3/4	237.46	7 3/4	592.56	7 3/4	949.17	7 3/4	1,289.68	7 3/4	1,644.67	7 3/4	2,005.00	7 3/4	2,364.54	7 3/4	2,723.99	7 3/4	2,967.30	7 3/4	3,153.66
8	244.97	8	600.05	8	956.51	8	1,296.80	8	1,652.18	8	2,012.49	8	2,372.04	8	2,731.46	8	2,971.18	8	3,157.55
8 1/4	252.48	8 1/4	607.53	8 1/4	963.86	8 1/4	1,303.93	8 1/4	1,659.70	8 1/4	2,019.97	8 1/4	2,379.54	8 1/4	2,738.93	8 1/4	2,975.07	8 1/4	3,161.43
8 1/2	259.99	8 1/2	615.02	8 1/2	971.21	8 1/2	1,311.06	8 1/2	1,667.21	8 1/2	2,027.46	8 1/2	2,387.03	8 1/2	2,746.40	8 1/2	2,978.95	8 1/2	3,165.31
8 3/4	267.39	8 3/4	622.51	8 3/4	978.76	8 3/4	1,318.48	8 3/4	1,674.72	8 3/4	2,034.95	8 3/4	2,394.53	8 3/4	2,753.86	8 3/4	2,982.83	8 3/4	3,169.20
9	274.80	9	630.00	9	985.32	9	1,325.89	9	1,682.23	9	2,042.44	9	2,402.03	9	2,761.33	9	2,986.71	9	3,173.08
9 1/4	282.20	9 1/4	637.49	9 1/4	992.38	9 1/4	1,333.31	9 1/4	1,689.74	9 1/4	2,049.93	9 1/4	2,409.53	9 1/4	2,768.80	9 1/4	2,990.60	9 1/4	3,176.96
9 1/2	289.61	9 1/2	644.97	9 1/2	999.43	9 1/2	1,340.75	9 1/2	1,697.25	9 1/2	2,057.42	9 1/2	2,417.03	9 1/2	2,776.27	9 1/2	2,994.46	9 1/2	3,180.84
9 3/4	296.97	9 3/4	652.48	9 3/4	1,006.39	9 3/4	1,348.25	9 3/4	1,704.75	9 3/4	2,064.91	9 3/4	2,424.53	9 3/4	2,783.74	9 3/4	2,998.36	9 3/4	3,184.73
10	304.34	10	659.99	10	1,013.35	10	1,355.76	10	1,712.26	10	2,072.40	10	2,432.03	10	2,791.21	10	3,002.24	10	3,188.61
10 1/4	311.71	10 1/4	667.50	10 1/4	1,020.31	10 1/4	1,363.28	10 1/4	1,719.76	10 1/4	2,079.89	10 1/4	2,439.53	10 1/4	2,798.68	10 1/4	3,006.13	10 1/4	3,192.49
10 1/2	319.08	10 1/2	675.01	10 1/2	1,027.27	10 1/2	1,370.80	10 1/2	1,727.27	10 1/2	2,087.38	10 1/2	2,447.03	10 1/2	2,806.15	10 1/2	3,010.01	10 1/2	3,196.37
10 3/4	326.45	10 3/4	682.53	10 3/4	1,034.32	10 3/4	1,378.31	10 3/4	1,734.78	10 3/4	2,094.87	10 3/4	2,454.53	10 3/4	2,813.62	10 3/4	3,017.89	10 3/4	3,200.26
11	333.82	11	690.04	11	1,041.38	11	1,385.83	11	1,742.28	11	2,102.36	11	2,462.03	11	2,821.09	11	3,017.77	11	3,204.14
11 1/4	341.19	11 1/4	697.56	11 1/4	1,048.44	11 1/4	1,393.35	11 1/4	1,749.79	11 1/4	2,109.85	11 1/4	2,469.53	11 1/4	2,828.56	11 1/4	3,021.66	11 1/4	3,208.02
11 1/2	348.55	11 1/2	705.08	11 1/2	1,055.49	11 1/2	1,400.86	11 1/2	1,757.29	11 1/2	2,117.34	11 1/2	2,477.03	11 1/2	2,836.03	11 1/2	3,025.54	11 1/2	3,211.90
11 3/4	355.90	11 3/4	712.59	11 3/4	1,062.58	11 3/4	1,408.25	11 3/4	1,764.80	11 3/4	2,124.83	11 3/4	2,484.53	11 3/4	2,840.76	11 3/4	3,029.42	11 3/4	3,215.79

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmaincorp.net>

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 10" HATCH
GAUGE POINT: (10" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 54'-06" FORWARD OF AFT BULKHEAD.



BARGE "EMS 3055"

3 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS			GAUGE HEIGHT 14'-04 1/2"																
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,219.67	0	3,406.03	0	3,592.40	0	3,778.04	0	3,963.68	0	4,149.32	0	4,334.96	0	4,520.60	0	4,706.24	0	4,891.88
1/4	3,223.55	1/4	3,409.92	1/4	3,596.28	1/4	3,781.90	1/4	3,967.52	1/4	4,153.16	1/4	4,338.80	1/4	4,524.44	1/4	4,710.08	1/4	4,895.72
1/2	3,227.43	1/2	3,413.80	1/2	3,600.16	1/2	3,785.76	1/2	3,970.72	1/2	4,155.68	1/2	4,341.28	1/2	4,526.84	1/2	4,712.40	1/2	4,897.96
3/4	3,231.32	3/4	3,417.68	3/4	3,604.05	3/4	3,789.63	3/4	3,974.67	3/4	4,160.12	3/4	4,345.76	3/4	4,531.32	3/4	4,717.28	3/4	4,903.04
1	3,235.20	1	3,421.56	1	3,607.93	1	3,793.49	1	3,979.36	1	4,165.60	1	4,350.88	1	4,536.40	1	4,722.88	1	4,909.60
1/4	3,239.08	1/4	3,425.45	1/4	3,611.81	1/4	3,797.36	1/4	3,983.68	1/4	4,171.52	1/4	4,357.60	1/4	4,543.28	1/4	4,730.40	1/4	4,914.40
1/2	3,242.96	1/2	3,429.33	1/2	3,615.69	1/2	3,801.22	1/2	3,988.00	1/2	4,175.84	1/2	4,361.92	1/2	4,547.60	1/2	4,734.88	1/2	4,918.88
3/4	3,246.85	3/4	3,433.21	3/4	3,619.56	3/4	3,805.09	3/4	3,992.40	3/4	4,179.68	3/4	4,366.08	3/4	4,551.84	3/4	4,739.36	3/4	4,923.36
2	3,250.73	2	3,437.09	2	3,623.43	2	3,808.95	2	3,996.80	2	4,183.84	2	4,370.40	2	4,556.00	2	4,743.84	2	4,927.84
1/4	3,254.61	1/4	3,440.98	1/4	3,627.30	1/4	3,812.82	1/4	3,999.68	1/4	4,188.00	1/4	4,374.56	1/4	4,560.16	1/4	4,748.00	1/4	4,932.00
1/2	3,258.50	1/2	3,444.86	1/2	3,631.17	1/2	3,816.68	1/2	4,003.52	1/2	4,192.16	1/2	4,378.72	1/2	4,564.32	1/2	4,752.16	1/2	4,936.32
3/4	3,262.38	3/4	3,448.74	3/4	3,635.04	3/4	3,820.55	3/4	4,007.44	3/4	4,196.32	3/4	4,382.88	3/4	4,568.48	3/4	4,756.32	3/4	4,940.64
3	3,266.26	3	3,452.63	3	3,638.90	3	3,824.41	3	4,011.36	3	4,200.64	3	4,387.04	3	4,572.64	3	4,760.32	3	4,944.96
1/4	3,270.14	1/4	3,456.51	1/4	3,642.77	1/4	3,828.28	1/4	4,015.28	1/4	4,204.80	1/4	4,391.20	1/4	4,576.80	1/4	4,764.48	1/4	4,949.12
1/2	3,274.03	1/2	3,460.39	1/2	3,646.63	1/2	3,832.14	1/2	4,019.20	1/2	4,208.96	1/2	4,395.36	1/2	4,580.96	1/2	4,768.64	1/2	4,953.28
3/4	3,277.91	3/4	3,464.27	3/4	3,650.50	3/4	3,835.99	3/4	4,023.12	3/4	4,213.12	3/4	4,400.00	3/4	4,585.12	3/4	4,772.80	3/4	4,957.44
4	3,281.79	4	3,468.16	4	3,654.36	4	3,839.83	4	4,027.04	4	4,217.28	4	4,404.16	4	4,589.28	4	4,776.96	4	4,961.60
1/4	3,285.67	1/4	3,472.04	1/4	3,658.23	1/4	3,843.67	1/4	4,030.96	1/4	4,221.44	1/4	4,408.32	1/4	4,593.44	1/4	4,780.80	1/4	4,965.76
1/2	3,289.56	1/2	3,475.92	1/2	3,662.09	1/2	3,847.52	1/2	4,034.88	1/2	4,225.60	1/2	4,412.48	1/2	4,597.60	1/2	4,784.96	1/2	4,969.92
3/4	3,293.44	3/4	3,479.80	3/4	3,665.96	3/4	3,851.35	3/4	4,038.80	3/4	4,229.76	3/4	4,416.64	3/4	4,601.76	3/4	4,789.12	3/4	4,974.08
5	3,297.32	5	3,483.69	5	3,669.82	5	3,855.19	5	4,042.72	5	4,233.92	5	4,420.80	5	4,605.84	5	4,793.28	5	4,978.24
1/4	3,301.20	1/4	3,487.57	1/4	3,673.69	1/4	3,859.02	1/4	4,046.64	1/4	4,238.08	1/4	4,425.04	1/4	4,609.92	1/4	4,797.44	1/4	4,982.40
1/2	3,305.09	1/2	3,491.45	1/2	3,677.55	1/2	3,862.86	1/2	4,050.56	1/2	4,242.24	1/2	4,429.20	1/2	4,614.08	1/2	4,801.60	1/2	4,986.56
3/4	3,308.97	3/4	3,495.33	3/4	3,681.42	3/4	3,866.70	3/4	4,054.48	3/4	4,246.40	3/4	4,433.36	3/4	4,618.24	3/4	4,805.76	3/4	4,990.72
6	3,312.85	6	3,499.22	6	3,685.28	6	3,870.53	6	4,058.40	6	4,250.56	6	4,437.52	6	4,622.40	6	4,809.92	6	4,994.88
1/4	3,316.73	1/4	3,503.10	1/4	3,689.14	1/4	3,874.37	1/4	4,062.32	1/4	4,254.72	1/4	4,441.68	1/4	4,626.56	1/4	4,814.08	1/4	5,000.00
1/2	3,320.62	1/2	3,506.98	1/2	3,693.01	1/2	3,878.20	1/2	4,066.24	1/2	4,258.88	1/2	4,445.84	1/2	4,630.72	1/2	4,818.24	1/2	5,004.16
3/4	3,324.50	3/4	3,510.86	3/4	3,696.87	3/4	3,882.04	3/4	4,070.16	3/4	4,263.04	3/4	4,450.00	3/4	4,634.88	3/4	4,822.40	3/4	5,008.32
7	3,328.38	7	3,514.75	7	3,700.74	7	3,885.87	7	4,074.08	7	4,267.20	7	4,454.16	7	4,639.04	7	4,826.56	7	5,012.48
1/4	3,332.26	1/4	3,518.63	1/4	3,704.60	1/4	3,889.71	1/4	4,078.00	1/4	4,271.36	1/4	4,458.32	1/4	4,643.20	1/4	4,830.72	1/4	5,016.64
1/2	3,336.15	1/2	3,522.51	1/2	3,708.47	1/2	3,893.54	1/2	4,081.92	1/2	4,275.52	1/2	4,462.48	1/2	4,647.36	1/2	4,834.88	1/2	5,020.80
3/4	3,340.03	3/4	3,526.39	3/4	3,712.33	3/4	3,897.38	3/4	4,085.84	3/4	4,279.68	3/4	4,466.64	3/4	4,651.52	3/4	4,839.04	3/4	5,024.96
8	3,343.91	8	3,530.28	8	3,716.20	8	3,901.22	8	4,089.76	8	4,283.84	8	4,470.80	8	4,655.68	8	4,843.20	8	5,029.12
1/4	3,347.79	1/4	3,534.16	1/4	3,720.06	1/4	3,905.06	1/4	4,093.68	1/4	4,288.00	1/4	4,475.04	1/4	4,659.84	1/4	4,847.36	1/4	5,033.28
1/2	3,351.68	1/2	3,538.04	1/2	3,723.93	1/2	3,908.89	1/2	4,097.60	1/2	4,292.16	1/2	4,479.20	1/2	4,664.00	1/2	4,851.52	1/2	5,037.44
3/4	3,355.56	3/4	3,541.92	3/4	3,727.79	3/4	3,912.76	3/4	4,101.52	3/4	4,296.32	3/4	4,483.36	3/4	4,668.16	3/4	4,855.68	3/4	5,041.60
9	3,359.44	9	3,545.81	9	3,731.66	9	3,915.63	9	4,105.44	9	4,299.44	9	4,487.52	9	4,672.32	9	4,859.84	9	5,045.76
1/4	3,363.33	1/4	3,549.69	1/4	3,735.52	1/4	3,919.49	1/4	4,109.36	1/4	4,303.60	1/4	4,491.68	1/4	4,676.48	1/4	4,864.00	1/4	5,050.00
1/2	3,367.21	1/2	3,553.57	1/2	3,739.39	1/2	3,923.36	1/2	4,113.28	1/2	4,307.76	1/2	4,495.84	1/2	4,680.64	1/2	4,868.16	1/2	5,054.16
3/4	3,371.09	3/4	3,557.46	3/4	3,743.25	3/4	3,927.24	3/4	4,117.20	3/4	4,311.92	3/4	4,500.00	3/4	4,684.80	3/4	4,872.32	3/4	5,058.32
10	3,374.97	10	3,561.34	10	3,747.12	10	3,929.10	10	4,121.12	10	4,316.08	10	4,504.16	10	4,688.96	10	4,876.48	10	5,062.48
1/4	3,378.86	1/4	3,565.22	1/4	3,750.98	1/4	3,929.17	1/4	4,125.04	1/4	4,320.24	1/4	4,508.32	1/4	4,693.12	1/4	4,880.64	1/4	5,066.64
1/2	3,382.74	1/2	3,569.10	1/2	3,754.85	1/2	3,931.43	1/2	4,128.96	1/2	4,324.40	1/2	4,512.48	1/2	4,697.28	1/2	4,884.80	1/2	5,070.80
3/4	3,386.62	3/4	3,572.99	3/4	3,758.71	3/4	3,932.44	3/4	4,132.88	3/4	4,328.56	3/4	4,516.64	3/4	4,701.44	3/4	4,888.96	3/4	5,074.96
11	3,390.50	11	3,576.87	11	3,762.58	11	3,933.45	11	4,136.80	11	4,332.72	11	4,520.80	11	4,705.60	11	4,893.12	11	5,079.12
1/4	3,394.39	1/4	3,580.75	1/4	3,766.44	1/4	3,934.47	1/4	4,140.72	1/4	4,336.88	1/4	4,524.96	1/4	4,709.76	1/4	4,897.28	1/4	5,083.28
1/2	3,398.27	1/2	3,584.63	1/2	3,770.31	1/2	3,935.48	1/2	4,144.64	1/2	4,341.04	1/2	4,529.12	1/2	4,713.92	1/2	4,901.44	1/2	5,087.44
3/4	3,402.15	3/4	3,588.52	3/4	3,774.17	3/4	3,936.50	3/4	4,148.56	3/4	4,345.20	3/4	4,533.28	3/4	4,718.08	3/4	4,905.60	3/4	5,091.60

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2023 JS
CALCULATED: 12/04/2023 CL
PRINTED: 12/04/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77586
<http://www.pmacorp.net>



BARGE "EMS 3055"

FUEL TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	3,412	0	6,825	0	10,237	0	13,649	0	17,061	0	20,473	0	23,885	0	27,297	0	30,709
1/4	71	1/4	3,483	1/4	6,896	1/4	10,308	1/4	13,720	1/4	17,132	1/4	20,544	1/4	23,956	1/4	27,368	1/4	30,780
1/2	142	1/2	3,555	1/2	6,967	1/2	10,379	1/2	13,791	1/2	17,203	1/2	20,615	1/2	24,027	1/2	27,439	1/2	30,851
3/4	213	3/4	3,626	3/4	7,038	3/4	10,450	3/4	13,862	3/4	17,274	3/4	20,686	3/4	24,098	3/4	27,510	3/4	30,922
1	284	1	3,697	1	7,109	1	10,521	1	13,933	1	17,345	1	20,757	1	24,169	1	27,581	1	30,993
1/4	355	1/4	3,768	1/4	7,180	1/4	10,593	1/4	14,005	1/4	17,417	1/4	20,829	1/4	24,241	1/4	27,653	1/4	31,065
1/2	427	1/2	3,839	1/2	7,251	1/2	10,664	1/2	14,076	1/2	17,488	1/2	20,900	1/2	24,312	1/2	27,724	1/2	31,136
3/4	498	3/4	3,910	3/4	7,322	3/4	10,735	3/4	14,147	3/4	17,559	3/4	20,973	3/4	24,384	3/4	27,796	3/4	31,208
2	569	2	3,981	2	7,393	2	10,806	2	14,218	2	17,630	2	21,042	2	24,455	2	27,867	2	31,280
1/4	640	1/4	4,052	1/4	7,465	1/4	10,877	1/4	14,289	1/4	17,701	1/4	21,113	1/4	24,526	1/4	27,938	1/4	31,352
1/2	711	1/2	4,123	1/2	7,536	1/2	10,948	1/2	14,360	1/2	17,772	1/2	21,184	1/2	24,597	1/2	28,009	1/2	31,424
3/4	782	3/4	4,194	3/4	7,607	3/4	11,019	3/4	14,431	3/4	17,843	3/4	21,255	3/4	24,668	3/4	28,080	3/4	31,496
3	853	3	4,265	3	7,678	3	11,090	3	14,502	3	17,914	3	21,326	3	24,739	3	28,151	3	31,568
1/4	924	1/4	4,337	1/4	7,749	1/4	11,161	1/4	14,573	1/4	17,985	1/4	21,397	1/4	24,810	1/4	28,216	1/4	31,640
1/2	995	1/2	4,408	1/2	7,820	1/2	11,232	1/2	14,644	1/2	18,056	1/2	21,468	1/2	24,881	1/2	28,281	1/2	31,712
3/4	1,066	3/4	4,479	3/4	7,891	3/4	11,303	3/4	14,715	3/4	18,127	3/4	21,539	3/4	24,952	3/4	28,346	3/4	31,784
4	1,137	4	4,550	4	7,962	4	11,375	4	14,786	4	18,198	4	21,610	4	25,023	4	28,411	4	31,856
1/4	1,209	1/4	4,621	1/4	8,033	1/4	11,446	1/4	14,857	1/4	18,269	1/4	21,683	1/4	25,094	1/4	28,476	1/4	31,928
1/2	1,280	1/2	4,692	1/2	8,104	1/2	11,517	1/2	14,928	1/2	18,340	1/2	21,755	1/2	25,165	1/2	28,547	1/2	32,000
3/4	1,351	3/4	4,763	3/4	8,175	3/4	11,588	3/4	15,000	3/4	18,411	3/4	21,826	3/4	25,240	3/4	28,618	3/4	32,072
5	1,422	5	4,834	5	8,247	5	11,659	5	15,071	5	18,482	5	21,897	5	25,315	5	28,689	5	32,144
1/4	1,493	1/4	4,905	1/4	8,318	1/4	11,730	1/4	15,142	1/4	18,553	1/4	21,968	1/4	25,386	1/4	28,760	1/4	32,216
1/2	1,564	1/2	4,976	1/2	8,389	1/2	11,801	1/2	15,213	1/2	18,624	1/2	22,039	1/2	25,457	1/2	28,831	1/2	32,288
3/4	1,635	3/4	5,047	3/4	8,460	3/4	11,872	3/4	15,284	3/4	18,695	3/4	22,110	3/4	25,528	3/4	28,902	3/4	32,360
6	1,706	6	5,119	6	8,531	6	11,943	6	15,355	6	18,766	6	22,181	6	25,599	6	28,973	6	32,432
1/4	1,777	1/4	5,190	1/4	8,602	1/4	12,014	1/4	15,426	1/4	18,837	1/4	22,252	1/4	25,670	1/4	29,044	1/4	32,504
1/2	1,848	1/2	5,261	1/2	8,673	1/2	12,085	1/2	15,497	1/2	18,908	1/2	22,323	1/2	25,741	1/2	29,115	1/2	32,576
3/4	1,919	3/4	5,332	3/4	8,744	3/4	12,157	3/4	15,568	3/4	18,979	3/4	22,394	3/4	25,812	3/4	29,186	3/4	32,648
7	1,991	7	5,403	7	8,815	7	12,228	7	15,639	7	19,050	7	22,465	7	25,883	7	29,257	7	32,720
1/4	2,062	1/4	5,474	1/4	8,886	1/4	12,299	1/4	15,710	1/4	19,121	1/4	22,536	1/4	25,954	1/4	29,328	1/4	32,792
1/2	2,133	1/2	5,545	1/2	8,957	1/2	12,370	1/2	15,781	1/2	19,192	1/2	22,607	1/2	26,025	1/2	29,399	1/2	32,864
3/4	2,204	3/4	5,616	3/4	9,029	3/4	12,441	3/4	15,852	3/4	19,263	3/4	22,678	3/4	26,096	3/4	29,470	3/4	32,936
8	2,275	8	5,687	8	9,100	8	12,512	8	15,923	8	19,334	8	22,749	8	26,167	8	29,541	8	33,008
1/4	2,346	1/4	5,758	1/4	9,171	1/4	12,583	1/4	16,004	1/4	19,405	1/4	22,820	1/4	26,238	1/4	29,612	1/4	33,080
1/2	2,417	1/2	5,829	1/2	9,242	1/2	12,654	1/2	16,075	1/2	19,476	1/2	22,891	1/2	26,309	1/2	29,683	1/2	33,152
3/4	2,488	3/4	5,901	3/4	9,313	3/4	12,725	3/4	16,146	3/4	19,547	3/4	22,962	3/4	26,380	3/4	29,754	3/4	33,224
9	2,559	9	5,972	9	9,384	9	12,796	9	16,217	9	19,618	9	23,033	9	26,451	9	29,825	9	33,296
1/4	2,630	1/4	6,043	1/4	9,455	1/4	12,867	1/4	16,288	1/4	19,689	1/4	23,104	1/4	26,522	1/4	29,896	1/4	33,368
1/2	2,701	1/2	6,114	1/2	9,526	1/2	12,939	1/2	16,359	1/2	19,760	1/2	23,175	1/2	26,593	1/2	29,967	1/2	33,440
3/4	2,773	3/4	6,185	3/4	9,597	3/4	13,010	3/4	16,430	3/4	19,831	3/4	23,246	3/4	26,664	3/4	29,998	3/4	33,512
10	2,844	10	6,256	10	9,668	10	13,081	10	16,501	10	19,902	10	23,317	10	26,735	10	30,069	10	33,584
1/4	2,915	1/4	6,327	1/4	9,739	1/4	13,152	1/4	16,572	1/4	19,973	1/4	23,388	1/4	26,806	1/4	30,140	1/4	33,656
1/2	2,986	1/2	6,398	1/2	9,811	1/2	13,223	1/2	16,643	1/2	20,044	1/2	23,459	1/2	26,877	1/2	30,211	1/2	33,728
3/4	3,057	3/4	6,469	3/4	9,882	3/4	13,294	3/4	16,714	3/4	20,115	3/4	23,530	3/4	26,948	3/4	30,282	3/4	33,800
11	3,128	11	6,540	11	9,953	11	13,365	11	16,785	11	20,186	11	23,601	11	27,019	11	30,353	11	33,872
1/4	3,199	1/4	6,611	1/4	10,024	1/4	13,436	1/4	16,856	1/4	20,257	1/4	23,672	1/4	27,090	1/4	30,424	1/4	33,944
1/2	3,270	1/2	6,683	1/2	10,095	1/2	13,507	1/2	16,927	1/2	20,328	1/2	23,743	1/2	27,161	1/2	30,495	1/2	34,016
3/4	3,341	3/4	6,754	3/4	10,166	3/4	13,578	3/4	16,998	3/4	20,399	3/4	23,814	3/4	27,232	3/4	30,566	3/4	34,088

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE IS SCALED FROM THE BOTTOM OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

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 CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2023

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