



BARGE "EMS 3054"

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:

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

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

<http://www.pmacorp.net>



BARGE "EMS 3054"

1 PORT 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
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	2,222.78	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	2,229.88	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	928.95	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	935.78	1/2	1,265.18	1/2	1,595.52	1/2	1,926.45	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	2,932.50
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	2,615.88	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	652.75	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	1,099.96	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	1,106.85	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	1,485.22	1/2	1,816.14	1/2	2,147.06	1/2	2,477.79	1/2	2,808.49	1/2	3,139.18
3/4	224.98	3/4	516.52	3/4	833.47	3/4	1,162.00	3/4	1,492.11	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 MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES 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
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 3054"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	3,208.08	0	3,538.77	0	3,869.47	0	4,198.86	0	0	0	0	0	0	0	0	0	0	0	0
1/4	3,214.97	1/4	3,545.66	1/4	3,876.36	1/4	4,205.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,221.86	1/2	3,552.55	1/2	3,883.25	1/2	4,212.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,228.75	3/4	3,559.44	3/4	3,890.14	3/4	4,219.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,235.64	1	3,566.33	1	3,897.03	1	4,226.28	1	1	1	1	1	1	1	1	1	1	1	1
1/4	3,242.52	1/4	3,573.22	1/4	3,903.92	1/4	4,233.14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,249.41	1/2	3,580.11	1/2	3,910.81	1/2	4,240.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,256.30	3/4	3,587.00	3/4	3,917.68	3/4	4,246.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,263.19	2	3,593.89	2	3,924.55	2	4,253.71	2	2	2	2	2	2	2	2	2	2	2	2
1/4	3,270.08	1/4	3,600.78	1/4	3,931.42	1/4	4,260.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,276.97	1/2	3,607.67	1/2	3,938.29	1/2	4,267.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,283.86	3/4	3,614.56	3/4	3,945.15	3/4	4,274.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,290.75	3	3,621.45	3	3,952.00	3	4,281.14	3	3	3	3	3	3	3	3	3	3	3	3
1/4	3,297.64	1/4	3,628.34	1/4	3,958.86	1/4	4,288.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,304.53	1/2	3,635.23	1/2	3,965.72	1/2	4,294.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,311.42	3/4	3,642.12	3/4	3,972.57	3/4	4,301.67	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,318.31	4	3,649.01	4	3,979.43	4	4,308.49	4	4	4	4	4	4	4	4	4	4	4	4
1/4	3,325.20	1/4	3,655.89	1/4	3,986.29	1/4	4,315.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,332.09	1/2	3,662.78	1/2	3,993.15	1/2	4,322.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,338.98	3/4	3,669.67	3/4	4,000.00	3/4	4,328.93	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,345.87	5	3,676.56	5	4,006.86	5	4,335.73	5	5	5	5	5	5	5	5	5	5	5	5
1/4	3,352.76	1/4	3,683.45	1/4	4,013.72	1/4	4,342.54	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,359.65	1/2	3,690.34	1/2	4,020.57	1/2	4,349.34	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,366.54	3/4	3,697.23	3/4	4,027.43	3/4	4,356.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,373.43	6	3,704.12	6	4,034.29	6	4,362.95	6	6	6	6	6	6	6	6	6	6	6	6
1/4	3,380.31	1/4	3,711.01	1/4	4,041.14	1/4	4,369.76	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,387.20	1/2	3,717.90	1/2	4,048.00	1/2	4,376.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,394.09	3/4	3,724.79	3/4	4,054.86	3/4	4,383.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,400.98	7	3,731.68	7	4,061.72	7	4,390.17	7	7	7	7	7	7	7	7	7	7	7	7
1/4	3,407.87	1/4	3,738.57	1/4	4,068.57	1/4	4,396.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,414.76	1/2	3,745.46	1/2	4,075.43	1/2	4,403.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,421.65	3/4	3,752.35	3/4	4,082.29	3/4	4,410.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,428.54	8	3,759.24	8	4,089.14	8	4,417.40	8	8	8	8	8	8	8	8	8	8	8	8
1/4	3,435.43	1/4	3,766.13	1/4	4,096.00	1/4	4,424.20	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,442.32	1/2	3,773.02	1/2	4,102.86	1/2	4,431.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,449.21	3/4	3,779.91	3/4	4,109.71	3/4	4,437.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,456.10	9	3,786.80	9	4,116.57	9	4,443.77	9	9	9	9	9	9	9	9	9	9	9	9
1/4	3,462.99	1/4	3,793.68	1/4	4,123.43	1/4	4,450.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,469.88	1/2	3,800.57	1/2	4,130.29	1/2	4,456.53	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,476.77	3/4	3,807.46	3/4	4,137.14	3/4	4,461.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,483.66	10	3,814.35	10	4,144.00	10	4,467.27	10	10	10	10	10	10	10	10	10	10	10	10
1/4	3,490.55	1/4	3,821.24	1/4	4,150.86	1/4	4,472.64	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,497.44	1/2	3,828.13	1/2	4,157.71	1/2	4,478.02	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,504.33	3/4	3,835.02	3/4	4,164.57	3/4	4,482.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,511.22	11	3,841.91	11	4,171.43	11	4,486.46	11	11	11	11	11	11	11	11	11	11	11	11
1/4	3,518.10	1/4	3,848.80	1/4	4,178.28	1/4	4,490.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,524.99	1/2	3,855.69	1/2	4,185.14	1/2	4,494.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,531.88	3/4	3,862.58	3/4	4,192.00	3/4	4,499.11	3/4	3/4	3/4	3/4	3/4	3/4	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 2082
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3054"

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	22.80	0	276.81	0	573.11	0	893.29	0	1,223.38	0	1,551.77	0	1,881.93	0	2,212.07	0	2,542.01	0	2,871.95
1/4	25.39	1/4	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	1,565.58	1/2	1,895.74	1/2	2,225.88	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	1,902.56	3/4	2,232.70	3/4	2,562.63	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	1,586.17	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
1	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
1	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	1,311.39	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
1	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
1	115.00	5	396.12	5	704.19	5	1,030.06	5	1,359.29	5	1,689.34	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	1,696.22	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
1	137.62	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	2,706.98	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
1	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
1	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
1	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
1	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	2,493.83	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
1	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

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 LIP OF 10" HATCH
 GAUGE POINT: (10" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "EMS 3054"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	3,201.89	0	3,531.82	0	3,861.76	0	4,190.35	0	4,519.19	0	4,847.99	0	5,176.79	0	5,505.59	0	5,834.39	0	6,163.19
1/4	3,208.76	1/4	3,538.70	1/4	3,868.64	1/4	4,197.19	1/4	4,526.03	1/4	4,854.83	1/4	5,183.63	1/4	5,512.43	1/4	5,841.23	1/4	6,170.03
1/2	3,215.63	1/2	3,545.57	1/2	3,875.51	1/2	4,204.04	1/2	4,532.88	1/2	4,861.62	1/2	5,190.42	1/2	5,519.22	1/2	5,848.02	1/2	6,176.82
3/4	3,222.51	3/4	3,552.45	3/4	3,882.38	3/4	4,210.88	3/4	4,539.72	3/4	4,868.46	3/4	5,197.26	3/4	5,526.06	3/4	5,854.86	3/4	6,183.66
1	3,229.38	1	3,559.32	1	3,889.26	1	4,217.72	1	4,547.10	1	4,875.84	1	5,204.68	1	5,533.48	1	5,862.28	1	6,190.46
1 1/4	3,236.26	1 1/4	3,566.19	1 1/4	3,896.13	1 1/4	4,224.56	1 1/4	4,554.44	1 1/4	4,883.18	1 1/4	5,212.02	1 1/4	5,540.22	1 1/4	5,869.02	1 1/4	6,197.24
1 1/2	3,243.13	1 1/2	3,573.07	1 1/2	3,903.00	1 1/2	4,231.40	1 1/2	4,561.32	1 1/2	4,890.06	1 1/2	5,219.80	1 1/2	5,548.00	1 1/2	5,876.80	1 1/2	6,204.02
3/4	3,250.00	3/4	3,579.94	3/4	3,909.85	3/4	4,238.24	3/4	4,568.16	3/4	4,896.90	3/4	5,227.58	3/4	5,555.78	3/4	5,883.58	3/4	6,210.80
2	3,256.88	2	3,586.81	2	3,916.70	2	4,245.08	2	4,575.04	2	4,904.82	2	5,235.46	2	5,563.66	2	5,891.46	2	6,217.68
1 1/4	3,263.75	1 1/4	3,593.69	1 1/4	3,923.54	1 1/4	4,251.92	1 1/4	4,582.90	1 1/4	4,912.70	1 1/4	5,243.34	1 1/4	5,571.54	1 1/4	5,899.34	1 1/4	6,224.56
1 1/2	3,270.62	1 1/2	3,600.56	1 1/2	3,930.39	1 1/2	4,258.76	1 1/2	4,591.78	1 1/2	4,920.56	1 1/2	5,251.22	1 1/2	5,579.42	1 1/2	5,907.22	1 1/2	6,231.44
3/4	3,277.50	3/4	3,607.44	3/4	3,937.23	3/4	4,265.61	3/4	4,600.66	3/4	4,929.46	3/4	5,259.10	3/4	5,587.30	3/4	5,915.10	3/4	6,238.32
3	3,284.37	3	3,614.31	3	3,944.07	3	4,272.45	3	4,609.54	3	4,938.29	3	5,266.98	3	5,595.18	3	5,922.98	3	6,245.20
1 1/4	3,291.25	1 1/4	3,621.18	1 1/4	3,950.91	1 1/4	4,279.29	1 1/4	4,618.42	1 1/4	4,947.17	1 1/4	5,274.86	1 1/4	5,603.06	1 1/4	5,930.86	1 1/4	6,252.08
1 1/2	3,298.12	1 1/2	3,628.06	1 1/2	3,957.76	1 1/2	4,286.13	1 1/2	4,627.30	1 1/2	4,956.05	1 1/2	5,282.74	1 1/2	5,610.94	1 1/2	5,938.74	1 1/2	6,258.96
3/4	3,304.99	3/4	3,634.93	3/4	3,964.60	3/4	4,292.93	3/4	4,636.18	3/4	4,964.93	3/4	5,290.62	3/4	5,618.82	3/4	5,946.62	3/4	6,265.84
4	3,311.87	4	3,641.80	4	3,971.44	4	4,299.73	4	4,645.06	4	4,973.81	4	5,300.50	4	5,626.70	4	5,954.60	4	6,272.72
1 1/4	3,318.74	1 1/4	3,648.68	1 1/4	3,978.28	1 1/4	4,306.54	1 1/4	4,654.20	1 1/4	4,982.70	1 1/4	5,308.38	1 1/4	5,634.58	1 1/4	5,962.50	1 1/4	6,279.60
1 1/2	3,325.61	1 1/2	3,655.55	1 1/2	3,985.12	1 1/2	4,313.34	1 1/2	4,663.32	1 1/2	4,991.60	1 1/2	5,316.26	1 1/2	5,642.46	1 1/2	5,970.40	1 1/2	6,286.48
3/4	3,332.49	3/4	3,662.43	3/4	3,991.96	3/4	4,320.13	3/4	4,672.44	3/4	4,999.49	3/4	5,324.14	3/4	5,650.34	3/4	5,978.30	3/4	6,293.36
5	3,339.36	5	3,669.30	5	3,998.80	5	4,326.92	5	4,682.56	5	5,007.37	5	5,332.02	5	5,658.22	5	5,986.10	5	6,300.24
1 1/4	3,346.24	1 1/4	3,676.17	1 1/4	4,005.64	1 1/4	4,333.71	1 1/4	4,693.68	1 1/4	5,015.25	1 1/4	5,340.10	1 1/4	5,666.10	1 1/4	5,994.00	1 1/4	6,307.12
1 1/2	3,353.11	1 1/2	3,683.05	1 1/2	4,012.48	1 1/2	4,340.49	1 1/2	4,703.80	1 1/2	5,022.08	1 1/2	5,347.98	1 1/2	5,674.00	1 1/2	5,999.90	1 1/2	6,314.00
3/4	3,359.98	3/4	3,689.92	3/4	4,019.33	3/4	4,347.28	3/4	4,713.92	3/4	5,028.96	3/4	5,355.86	3/4	5,681.88	3/4	6,007.80	3/4	6,320.88
6	3,366.86	6	3,696.79	6	4,026.17	6	4,354.07	6	4,724.00	6	5,035.84	6	5,363.72	6	5,689.72	6	6,015.70	6	6,327.76
1 1/4	3,373.73	1 1/4	3,703.67	1 1/4	4,033.01	1 1/4	4,360.86	1 1/4	4,734.04	1 1/4	5,042.60	1 1/4	5,371.60	1 1/4	5,697.60	1 1/4	6,023.60	1 1/4	6,334.64
1 1/2	3,380.60	1 1/2	3,710.54	1 1/2	4,039.85	1 1/2	4,367.65	1 1/2	4,744.08	1 1/2	5,051.48	1 1/2	5,379.48	1 1/2	5,705.48	1 1/2	6,031.50	1 1/2	6,341.52
3/4	3,387.48	3/4	3,717.41	3/4	4,046.69	3/4	4,374.44	3/4	4,754.52	3/4	5,059.36	3/4	5,387.36	3/4	5,713.36	3/4	6,039.40	3/4	6,348.40
7	3,394.35	7	3,724.29	7	4,053.53	7	4,381.23	7	4,764.96	7	5,067.24	7	5,395.14	7	5,721.14	7	6,047.30	7	6,355.28
1 1/4	3,401.22	1 1/4	3,731.16	1 1/4	4,060.37	1 1/4	4,388.02	1 1/4	4,775.40	1 1/4	5,075.12	1 1/4	5,402.02	1 1/4	5,729.02	1 1/4	6,055.20	1 1/4	6,362.16
1 1/2	3,408.10	1 1/2	3,738.04	1 1/2	4,067.21	1 1/2	4,394.81	1 1/2	4,785.84	1 1/2	5,082.70	1 1/2	5,410.90	1 1/2	5,736.90	1 1/2	6,063.10	1 1/2	6,369.04
3/4	3,414.97	3/4	3,744.91	3/4	4,074.05	3/4	4,401.60	3/4	4,796.28	3/4	5,090.58	3/4	5,419.80	3/4	5,744.80	3/4	6,071.00	3/4	6,375.92
8	3,421.85	8	3,751.78	8	4,080.90	8	4,408.39	8	4,807.72	8	5,100.46	8	5,428.74	8	5,752.74	8	6,078.90	8	6,382.80
1 1/4	3,428.72	1 1/4	3,758.66	1 1/4	4,087.74	1 1/4	4,415.18	1 1/4	4,818.16	1 1/4	5,108.64	1 1/4	5,436.64	1 1/4	5,760.64	1 1/4	6,086.80	1 1/4	6,389.68
1 1/2	3,435.59	1 1/2	3,765.53	1 1/2	4,094.58	1 1/2	4,421.97	1 1/2	4,829.04	1 1/2	5,116.52	1 1/2	5,444.52	1 1/2	5,768.52	1 1/2	6,094.70	1 1/2	6,396.56
3/4	3,442.47	3/4	3,772.40	3/4	4,101.42	3/4	4,428.34	3/4	4,839.48	3/4	5,124.40	3/4	5,452.40	3/4	5,776.40	3/4	6,102.60	3/4	6,403.44
9	3,449.34	9	3,779.28	9	4,108.26	9	4,434.70	9	4,849.92	9	5,132.28	9	5,460.28	9	5,784.28	9	6,110.50	9	6,410.32
1 1/4	3,456.21	1 1/4	3,786.15	1 1/4	4,115.10	1 1/4	4,441.06	1 1/4	4,860.00	1 1/4	5,140.16	1 1/4	5,468.16	1 1/4	5,792.16	1 1/4	6,118.40	1 1/4	6,417.20
1 1/2	3,463.09	1 1/2	3,793.03	1 1/2	4,121.94	1 1/2	4,447.43	1 1/2	4,869.12	1 1/2	5,148.04	1 1/2	5,476.04	1 1/2	5,800.04	1 1/2	6,126.30	1 1/2	6,424.08
3/4	3,469.96	3/4	3,799.90	3/4	4,128.78	3/4	4,453.79	3/4	4,878.00	3/4	5,155.92	3/4	5,484.00	3/4	5,808.00	3/4	6,134.20	3/4	6,430.96
10	3,476.84	10	3,806.77	10	4,135.62	10	4,459.15	10	4,887.12	10	5,163.80	10	5,491.80	10	5,816.00	10	6,142.10	10	6,437.84
1 1/4	3,483.71	1 1/4	3,813.65	1 1/4	4,142.47	1 1/4	4,465.51	1 1/4	4,896.00	1 1/4	5,171.68	1 1/4	5,500.00	1 1/4	5,824.00	1 1/4	6,150.20	1 1/4	6,444.72
1 1/2	3,490.58	1 1/2	3,820.52	1 1/2	4,149.31	1 1/2	4,468.87	1 1/2	4,905.12	1 1/2	5,179.52	1 1/2	5,508.00	1 1/2	5,832.00	1 1/2	6,158.30	1 1/2	6,451.60
3/4	3,497.46	3/4	3,827.39	3/4	4,156.15	3/4	4,473.08	3/4	4,914.24	3/4	5,187.36	3/4	5,516.00	3/4	5,840.00	3/4	6,166.40	3/4	6,458.48
11	3,504.33	11	3,834.27	11	4,162.99	11	4,477.30	11	4,923.36	11	5,195.24	11	5,523.84	11	5,848.00	11	6,174.50	11	6,465.36
1 1/4	3,511.20	1 1/4	3,841.14	1 1/4	4,169.83	1 1/4	4,481.51	1 1/4	4,932.48	1 1/4	5,203.12	1 1/4	5,531.68	1 1/4	5,856.00	1 1/4	6,182.60	1 1/4	6,472.24
1 1/2	3,518.08	1 1/2	3,848.02	1 1/2	4,176.67	1 1/2	4,485.73	1 1/2	4,941.60	1 1/2	5,211.04	1 1/2	5,539.52	1 1/2	5,864.00	1 1/2	6,190.70	1 1/2	6,479.12
3/4	3,524.95	3/4	3,854.89	3/4	4,183.51	3/4	4,491.90	3/4	4,950.72	3/4	5,218.96	3/4	5,547.44	3/4	5,872.00	3/4	6,198.80	3/4	6,486.00

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 77568
<http://www.pmacorp.net>



BARGE "EMS 3054"

2 PORT 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
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	1,548.81	1/4	1,933.58	1/4	2,322.31	1/4	2,711.04	1/4	3,099.53	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	3,496.10
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 1/4	54.20	1 1/4	429.82	1 1/4	815.98	1 1/4	1,198.33	1 1/4	1,580.60	1 1/4	1,965.98	1 1/4	2,354.71	1 1/4	2,743.42	1 1/4	3,131.99	1 1/4	3,520.38
1 1/2	59.77	1 1/2	437.55	1 1/2	824.07	1 1/2	1,206.18	1 1/2	1,588.52	1 1/2	1,974.07	1 1/2	2,362.81	1 1/2	2,751.51	1 1/2	3,139.99	1 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 1/4	80.52	1 1/4	461.35	1 1/4	848.36	1 1/4	1,229.74	1 1/4	1,612.25	1 1/4	1,998.37	1 1/4	2,387.10	1 1/4	2,775.79	1 1/4	3,164.27	1 1/4	3,552.75
1 1/2	87.44	1 1/2	469.28	1 1/2	856.46	1 1/2	1,237.59	1 1/2	1,620.16	1 1/2	2,006.47	1 1/2	2,395.20	1 1/2	2,783.89	1 1/2	3,172.37	1 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 1/4	110.72	1 1/4	493.08	1 1/4	880.75	1 1/4	1,261.14	1 1/4	1,643.90	1 1/4	2,030.76	1 1/4	2,419.50	1 1/4	2,808.17	1 1/4	3,196.65	1 1/4	3,585.12
1 1/2	118.49	1 1/2	501.02	1 1/2	888.84	1 1/2	1,269.00	1 1/2	1,651.81	1 1/2	2,038.86	1 1/2	2,427.60	1 1/2	2,816.26	1 1/2	3,204.74	1 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 1/4	142.28	1 1/4	524.83	1 1/4	913.13	1 1/4	1,292.56	1 1/4	1,675.55	1 1/4	2,063.16	1 1/4	2,451.89	1 1/4	2,840.54	1 1/4	3,229.02	1 1/4	3,617.50
1 1/2	150.21	1 1/2	532.76	1 1/2	921.23	1 1/2	1,300.41	1 1/2	1,683.46	1 1/2	2,071.26	1 1/2	2,459.99	1 1/2	2,848.63	1 1/2	3,237.11	1 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 1/4	174.00	1 1/4	556.93	1 1/4	945.52	1 1/4	1,323.98	1 1/4	1,707.19	1 1/4	2,095.55	1 1/4	2,484.29	1 1/4	2,872.91	1 1/4	3,261.39	1 1/4	3,649.87
1 1/2	181.93	1 1/2	564.99	1 1/2	953.61	1 1/2	1,331.83	1 1/2	1,715.11	1 1/2	2,103.65	1 1/2	2,492.38	1 1/2	2,881.01	1 1/2	3,269.48	1 1/2	3,657.96
3/4	189.82	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	198.06	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 1/4	206.07	1 1/4	589.28	1 1/4	977.90	1 1/4	1,355.43	1 1/4	1,739.26	1 1/4	2,127.95	1 1/4	2,516.68	1 1/4	2,905.29	1 1/4	3,293.76	1 1/4	3,682.24
1 1/2	214.11	1 1/2	597.38	1 1/2	986.00	1 1/2	1,363.29	1 1/2	1,747.31	1 1/2	2,136.05	1 1/2	2,524.78	1 1/2	2,913.38	1 1/2	3,301.86	1 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 1/4	238.37	1 1/4	621.66	1 1/4	1,009.77	1 1/4	1,387.41	1 1/4	1,771.61	1 1/4	2,160.34	1 1/4	2,549.07	1 1/4	2,937.66	1 1/4	3,326.14	1 1/4	3,714.62
1 1/2	246.45	1 1/2	629.76	1 1/2	1,017.69	1 1/2	1,395.45	1 1/2	1,779.71	1 1/2	2,168.44	1 1/2	2,557.17	1 1/2	2,945.75	1 1/2	3,334.23	1 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 1/4	270.70	1 1/4	654.05	1 1/4	1,041.26	1 1/4	1,419.75	1 1/4	1,804.00	1 1/4	2,192.74	1 1/4	2,581.47	1 1/4	2,970.03	1 1/4	3,358.51	1 1/4	3,746.99
1 1/2	278.79	1 1/2	662.15	1 1/2	1,049.12	1 1/2	1,427.85	1 1/2	1,812.10	1 1/2	2,200.83	1 1/2	2,589.57	1 1/2	2,978.13	1 1/2	3,366.60	1 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 1/4	302.69	1 1/4	686.43	1 1/4	1,072.69	1 1/4	1,452.15	1 1/4	1,836.40	1 1/4	2,225.13	1 1/4	2,613.86	1 1/4	3,002.41	1 1/4	3,390.88	1 1/4	3,779.36
1 1/2	310.66	1 1/2	694.53	1 1/2	1,080.54	1 1/2	1,460.24	1 1/2	1,844.50	1 1/2	2,233.23	1 1/2	2,621.96	1 1/2	3,010.50	1 1/2	3,398.98	1 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 1/4	334.45	1 1/4	718.82	1 1/4	1,104.10	1 1/4	1,484.54	1 1/4	1,868.79	1 1/4	2,257.52	1 1/4	2,646.26	1 1/4	3,034.78	1 1/4	3,423.26	1 1/4	3,811.74
1 1/2	342.39	1 1/2	726.92	1 1/2	1,111.95	1 1/2	1,492.64	1 1/2	1,876.89	1 1/2	2,265.62	1 1/2	2,654.36	1 1/2	3,042.87	1 1/2	3,431.35	1 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 1/4	366.18	1 1/4	751.20	1 1/4	1,135.51	1 1/4	1,516.93	1 1/4	1,901.19	1 1/4	2,289.92	1 1/4	2,678.65	1 1/4	3,067.15	1 1/4	3,455.63	1 1/4	3,844.11
1 1/2	374.11	1 1/2	759.30	1 1/2	1,143.36	1 1/2	1,525.03	1 1/2	1,909.28	1 1/2	2,298.02	1 1/2	2,686.75	1 1/2	3,075.25	1 1/2	3,463.72	1 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 MPWS 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'-08" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pasland, Texas 77568

<http://www.pmatcorp.net>



BARGE "EMS 3054"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,868.39	0	4,256.87	0	4,645.35	0	5,032.26	0	5,419.17	0	5,806.08	0	6,192.99	0	6,579.90	0	6,966.81	0	7,353.72
1/4	3,876.48	1/4	4,264.96	1/4	4,653.44	1/4	5,040.34	1/4	5,427.25	1/4	5,814.16	1/4	6,201.07	1/4	6,587.98	1/4	6,974.89	1/4	7,361.80
1/2	3,884.58	1/2	4,273.05	1/2	4,661.53	1/2	5,048.37	1/2	5,435.28	1/2	5,822.19	1/2	6,209.10	1/2	6,596.01	1/2	6,982.92	1/2	7,369.83
3/4	3,892.67	3/4	4,281.15	3/4	4,669.63	3/4	5,056.42	3/4	5,443.33	3/4	5,829.24	3/4	6,215.15	3/4	6,602.06	3/4	6,988.97	3/4	7,377.94
1	3,900.76	1	4,289.24	1	4,677.72	1	5,064.48	1	5,451.39	1	5,837.30	1	6,223.11	1	6,609.02	1	6,995.93	1	7,386.04
1/4	3,908.86	1/4	4,297.33	1/4	4,685.81	1/4	5,072.53	1/4	5,459.50	1/4	5,845.41	1/4	6,231.22	1/4	6,617.13	1/4	7,004.04	1/4	7,394.15
1/2	3,916.95	1/2	4,305.43	1/2	4,693.91	1/2	5,080.59	1/2	5,467.60	1/2	5,853.51	1/2	6,239.32	1/2	6,625.24	1/2	7,012.15	1/2	7,402.26
3/4	3,925.04	3/4	4,313.52	3/4	4,701.97	3/4	5,088.64	3/4	5,475.71	3/4	5,861.62	3/4	6,247.43	3/4	6,633.35	3/4	7,020.26	3/4	7,410.37
2	3,933.14	2	4,321.61	2	4,710.04	2	5,096.70	2	5,483.82	2	5,869.73	2	6,255.54	2	6,641.46	2	7,028.37	2	7,418.48
1/4	3,941.23	1/4	4,329.71	1/4	4,718.11	1/4	5,104.75	1/4	5,491.93	1/4	5,877.84	1/4	6,263.65	1/4	6,649.57	1/4	7,036.48	1/4	7,426.59
1/2	3,949.32	1/2	4,337.80	1/2	4,726.17	1/2	5,112.80	1/2	5,500.02	1/2	5,885.95	1/2	6,271.76	1/2	6,657.68	1/2	7,044.59	1/2	7,434.70
3/4	3,957.42	3/4	4,345.89	3/4	4,734.23	3/4	5,120.86	3/4	5,508.11	3/4	5,894.06	3/4	6,279.87	3/4	6,665.79	3/4	7,052.70	3/4	7,442.81
3	3,965.51	3	4,353.99	3	4,742.28	3	5,128.91	3	5,516.16	3	5,902.11	3	6,287.98	3	6,673.90	3	7,060.81	3	7,450.92
1/4	3,973.60	1/4	4,362.08	1/4	4,750.34	1/4	5,136.97	1/4	5,524.21	1/4	5,910.22	1/4	6,296.09	1/4	6,682.01	1/4	7,068.92	1/4	7,459.03
1/2	3,981.70	1/2	4,370.17	1/2	4,758.39	1/2	5,145.02	1/2	5,532.26	1/2	5,918.33	1/2	6,304.20	1/2	6,690.12	1/2	7,077.03	1/2	7,467.14
3/4	3,989.79	3/4	4,378.27	3/4	4,766.45	3/4	5,153.03	3/4	5,540.31	3/4	5,926.44	3/4	6,312.31	3/4	6,698.23	3/4	7,085.14	3/4	7,475.25
4	3,997.88	4	4,386.36	4	4,774.50	4	5,161.04	4	5,548.36	4	5,934.55	4	6,320.42	4	6,706.34	4	7,093.25	4	7,483.36
1/4	4,005.98	1/4	4,394.45	1/4	4,782.56	1/4	5,169.05	1/4	5,556.41	1/4	5,942.64	1/4	6,328.53	1/4	6,714.45	1/4	7,101.36	1/4	7,491.47
1/2	4,014.07	1/2	4,402.55	1/2	4,790.61	1/2	5,177.06	1/2	5,564.46	1/2	5,950.77	1/2	6,336.64	1/2	6,722.56	1/2	7,109.47	1/2	7,500.00
3/4	4,022.16	3/4	4,410.64	3/4	4,798.67	3/4	5,185.05	3/4	5,572.51	3/4	5,958.88	3/4	6,344.75	3/4	6,730.67	3/4	7,117.58	3/4	7,508.11
5	4,030.25	5	4,418.73	5	4,806.72	5	5,193.05	5	5,580.56	5	5,966.99	5	6,352.86	5	6,738.78	5	7,125.69	5	7,516.22
1/4	4,038.35	1/4	4,426.83	1/4	4,814.78	1/4	5,201.04	1/4	5,588.61	1/4	5,975.10	1/4	6,360.97	1/4	6,746.89	1/4	7,133.80	1/4	7,524.33
1/2	4,046.44	1/2	4,434.92	1/2	4,822.83	1/2	5,209.03	1/2	5,596.66	1/2	5,983.21	1/2	6,369.08	1/2	6,755.00	1/2	7,141.91	1/2	7,532.44
3/4	4,054.53	3/4	4,443.01	3/4	4,830.89	3/4	5,217.03	3/4	5,604.71	3/4	5,991.30	3/4	6,377.19	3/4	6,763.11	3/4	7,150.02	3/4	7,540.55
6	4,062.63	6	4,451.11	6	4,838.94	6	5,225.02	6	5,612.76	6	5,999.39	6	6,385.28	6	6,771.22	6	7,158.13	6	7,548.66
1/4	4,070.72	1/4	4,459.20	1/4	4,847.00	1/4	5,233.01	1/4	5,620.77	1/4	5,997.50	1/4	6,393.37	1/4	6,779.33	1/4	7,166.24	1/4	7,556.77
1/2	4,078.81	1/2	4,467.29	1/2	4,855.05	1/2	5,241.01	1/2	5,628.82	1/2	5,995.59	1/2	6,401.46	1/2	6,787.44	1/2	7,174.35	1/2	7,564.88
3/4	4,086.91	3/4	4,475.39	3/4	4,863.11	3/4	5,249.00	3/4	5,636.87	3/4	5,993.68	3/4	6,409.57	3/4	6,795.55	3/4	7,182.46	3/4	7,573.00
7	4,095.00	7	4,483.48	7	4,871.16	7	5,256.99	7	5,644.86	7	5,991.77	7	6,417.66	7	6,803.64	7	7,190.57	7	7,581.11
1/4	4,103.09	1/4	4,491.57	1/4	4,879.22	1/4	5,264.99	1/4	5,652.95	1/4	5,999.86	1/4	6,425.75	1/4	6,811.73	1/4	7,198.68	1/4	7,589.22
1/2	4,111.19	1/2	4,499.67	1/2	4,887.27	1/2	5,272.98	1/2	5,660.98	1/2	5,997.95	1/2	6,433.84	1/2	6,819.82	1/2	7,206.79	1/2	7,597.33
3/4	4,119.28	3/4	4,507.76	3/4	4,895.33	3/4	5,280.98	3/4	5,669.07	3/4	5,996.04	3/4	6,441.93	3/4	6,827.91	3/4	7,214.90	3/4	7,605.44
8	4,127.37	8	4,515.85	8	4,903.38	8	5,288.97	8	5,677.16	8	5,994.13	8	6,450.02	8	6,836.00	8	7,223.01	8	7,613.55
1/4	4,135.47	1/4	4,523.95	1/4	4,911.43	1/4	5,296.97	1/4	5,685.25	1/4	5,992.22	1/4	6,458.11	1/4	6,844.09	1/4	7,231.12	1/4	7,621.66
1/2	4,143.56	1/2	4,532.04	1/2	4,919.49	1/2	5,304.97	1/2	5,693.34	1/2	5,990.31	1/2	6,466.20	1/2	6,852.18	1/2	7,239.23	1/2	7,629.77
3/4	4,151.65	3/4	4,540.13	3/4	4,927.54	3/4	5,312.46	3/4	5,701.43	3/4	5,988.40	3/4	6,474.29	3/4	6,860.27	3/4	7,247.34	3/4	7,637.88
9	4,159.75	9	4,548.23	9	4,935.60	9	5,319.96	9	5,709.52	9	5,986.49	9	6,482.38	9	6,868.36	9	7,255.45	9	7,646.00
1/4	4,167.84	1/4	4,556.32	1/4	4,943.65	1/4	5,327.45	1/4	5,717.61	1/4	5,984.58	1/4	6,490.47	1/4	6,876.45	1/4	7,263.56	1/4	7,654.11
1/2	4,175.93	1/2	4,564.41	1/2	4,951.71	1/2	5,334.94	1/2	5,725.66	1/2	5,982.67	1/2	6,498.56	1/2	6,884.54	1/2	7,271.67	1/2	7,662.22
3/4	4,184.03	3/4	4,572.51	3/4	4,959.76	3/4	5,342.46	3/4	5,733.77	3/4	5,980.76	3/4	6,506.65	3/4	6,892.63	3/4	7,279.78	3/4	7,670.33
10	4,192.12	10	4,580.60	10	4,967.82	10	5,347.57	10	5,741.88	10	5,978.85	10	6,514.74	10	6,900.72	10	7,287.89	10	7,678.44
1/4	4,200.21	1/4	4,588.69	1/4	4,975.87	1/4	5,353.88	1/4	5,749.99	1/4	5,976.94	1/4	6,522.83	1/4	6,908.81	1/4	7,296.00	1/4	7,686.55
1/2	4,208.31	1/2	4,596.79	1/2	4,983.93	1/2	5,360.19	1/2	5,756.10	1/2	5,975.03	1/2	6,530.92	1/2	6,916.90	1/2	7,304.11	1/2	7,694.66
3/4	4,216.40	3/4	4,604.88	3/4	4,991.98	3/4	5,365.15	3/4	5,762.21	3/4	5,973.12	3/4	6,539.01	3/4	6,925.00	3/4	7,312.22	3/4	7,702.77
11	4,224.49	11	4,612.97	11	5,000.04	11	5,370.11	11	5,770.32	11	5,971.21	11	6,547.10	11	6,933.09	11	7,320.33	11	7,710.88
1/4	4,232.59	1/4	4,621.07	1/4	5,008.09	1/4	5,375.08	1/4	5,778.43	1/4	5,969.30	1/4	6,555.19	1/4	6,941.18	1/4	7,328.44	1/4	7,719.00
1/2	4,240.68	1/2	4,629.16	1/2	5,016.15	1/2	5,380.04	1/2	5,786.54	1/2	5,967.39	1/2	6,563.28	1/2	6,949.27	1/2	7,336.55	1/2	7,727.11
3/4	4,248.77	3/4	4,637.25	3/4	5,024.20	3/4	5,385.00	3/4	5,794.65	3/4	5,965.48	3/4	6,571.37	3/4	6,957.36	3/4	7,344.66	3/4	7,735.22

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.pmacorp.net>



BARGE "EMS 3054"

2 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
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	1,536.93	1/4	1,927.06	1/4	2,315.18	1/4	2,703.30	1/4	3,091.18	1/4	3,479.05
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	3,487.13
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	3,495.21
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
1/4	54.11	1/4	428.95	1/4	814.70	1/4	1,192.13	1/4	1,571.27	1/4	1,959.40	1/4	2,347.53	1/4	2,735.63	1/4	3,123.50	1/4	3,511.37
1/2	59.67	1/2	436.87	1/2	822.78	1/2	1,199.80	1/2	1,579.36	1/2	1,999.83	1/2	2,355.61	1/2	2,743.71	1/2	3,131.58	1/2	3,519.45
3/4	66.58	3/4	444.78	3/4	830.87	3/4	1,207.48	3/4	1,587.44	3/4	1,975.57	3/4	2,363.70	3/4	2,751.79	3/4	3,139.66	3/4	3,527.54
1	73.49	1	452.70	1	838.95	1	1,215.15	1	1,595.53	1	1,983.66	1	2,371.79	1	2,759.87	1	3,147.74	1	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
1	102.80	1	484.38	1	871.28	1	1,245.85	1	1,627.87	1	2,016.00	1	2,404.13	1	2,792.19	1	3,180.07	1	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
1	134.14	1	516.08	1	903.62	1	1,276.54	1	1,660.22	1	2,048.35	1	2,436.47	1	2,824.51	1	3,212.39	1	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	539.97	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
1	165.81	1	548.02	1	935.95	1	1,307.25	1	1,692.56	1	2,080.69	1	2,468.82	1	2,856.84	1	3,244.71	1	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	1,330.29	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
1	197.71	1	580.27	1	968.29	1	1,337.97	1	1,724.91	1	2,113.03	1	2,501.16	1	2,889.16	1	3,277.03	1	3,664.91
1/4	205.75	1/4	588.35	1/4	976.37	1/4	1,345.66	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	1,353.35	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	992.24	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
1	229.92	1	612.61	1	1,000.03	1	1,369.32	1	1,757.25	1	2,145.38	1	2,533.51	1	2,921.48	1	3,309.36	1	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
1	262.21	1	644.94	1	1,030.96	1	1,401.47	1	1,789.59	1	2,177.72	1	2,565.85	1	2,953.81	1	3,341.68	1	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
1	294.26	1	677.28	1	1,061.67	1	1,433.81	1	1,821.94	1	2,210.07	1	2,598.19	1	2,986.13	1	3,374.00	1	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	310.18	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	2,994.21	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	3,010.27	3/4	3,399.24	3/4	3,786.12
1	326.01	1	709.61	1	1,092.37	1	1,466.15	1	1,854.28	1	2,242.41	1	2,630.54	1	3,018.45	1	3,406.32	1	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
1	357.68	1	741.94	1	1,123.07	1	1,498.50	1	1,886.63	1	2,274.75	1	2,662.88	1	3,050.77	1	3,438.65	1	3,826.52
1/4	365.60	1/4	750.03	1/4	1,130.74	1/4	1,506.58	1/4	1,894.71	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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P. O. Box 2092

Pasadena, Texas 77688

<http://www.pmacorp.net>



BARGE "EMS 3054"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-04 1/2"

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	3,858.84	0	4,246.72	0	4,634.59	0	5,022.88	0	5,411.20	0	5,799.52	0	6,187.84	0	6,576.16	0	6,964.48	0	7,352.80
1/4	3,866.92	1/4	4,254.80	1/4	4,642.67	1/4	5,028.92	1/4	5,417.28	1/4	5,805.60	1/4	6,193.92	1/4	6,582.24	1/4	6,970.56	1/4	7,358.88
1/2	3,875.01	1/2	4,262.88	1/2	4,650.75	1/2	5,036.97	1/2	5,425.36	1/2	5,813.76	1/2	6,202.16	1/2	6,589.60	1/2	6,976.00	1/2	7,363.20
3/4	3,883.09	3/4	4,270.96	3/4	4,658.83	3/4	5,045.01	3/4	5,433.44	3/4	5,820.84	3/4	6,208.24	3/4	6,595.68	3/4	6,982.08	3/4	7,368.48
1	3,891.17	1	4,279.04	1	4,666.91	1	5,053.05	1	5,441.44	1	5,828.84	1	6,216.24	1	6,603.68	1	6,990.08	1	7,376.48
1/4	3,899.25	1/4	4,287.12	1/4	4,674.99	1/4	5,061.09	1/4	5,450.48	1/4	5,837.88	1/4	6,225.28	1/4	6,611.68	1/4	6,998.08	1/4	7,384.48
1/2	3,907.33	1/2	4,295.20	1/2	4,683.08	1/2	5,069.13	1/2	5,458.56	1/2	5,845.96	1/2	6,233.36	1/2	6,619.76	1/2	7,006.16	1/2	7,392.48
3/4	3,915.41	3/4	4,303.28	3/4	4,691.13	3/4	5,077.18	3/4	5,466.64	3/4	5,854.04	3/4	6,240.44	3/4	6,627.84	3/4	7,014.24	3/4	7,400.48
2	3,923.49	2	4,311.36	2	4,699.18	2	5,085.22	2	5,474.08	2	5,861.48	2	6,247.88	2	6,635.28	2	7,020.64	2	7,408.48
1/4	3,931.57	1/4	4,319.44	1/4	4,707.23	1/4	5,093.26	1/4	5,481.52	1/4	5,870.52	1/4	6,255.52	1/4	6,643.92	1/4	7,027.04	1/4	7,416.48
1/2	3,939.65	1/2	4,327.52	1/2	4,715.28	1/2	5,101.30	1/2	5,491.60	1/2	5,880.60	1/2	6,263.60	1/2	6,652.00	1/2	7,035.04	1/2	7,424.48
3/4	3,947.73	3/4	4,335.61	3/4	4,723.32	3/4	5,109.35	3/4	5,501.68	3/4	5,890.68	3/4	6,271.68	3/4	6,660.08	3/4	7,043.12	3/4	7,432.48
3	3,955.81	3	4,343.69	3	4,731.36	3	5,117.39	3	5,510.08	3	5,899.08	3	6,279.68	3	6,668.08	3	7,051.12	3	7,440.48
1/4	3,963.89	1/4	4,351.77	1/4	4,739.40	1/4	5,125.43	1/4	5,518.16	1/4	5,907.16	1/4	6,287.68	1/4	6,676.08	1/4	7,059.12	1/4	7,448.48
1/2	3,971.97	1/2	4,359.85	1/2	4,747.45	1/2	5,133.47	1/2	5,526.24	1/2	5,916.24	1/2	6,295.68	1/2	6,684.08	1/2	7,067.16	1/2	7,456.48
3/4	3,980.05	3/4	4,367.93	3/4	4,755.49	3/4	5,141.47	3/4	5,535.36	3/4	5,925.36	3/4	6,304.72	3/4	6,692.08	3/4	7,075.20	3/4	7,464.48
4	3,988.14	4	4,376.01	4	4,763.53	4	5,149.46	4	5,544.48	4	5,934.48	4	6,313.76	4	6,700.08	4	7,083.20	4	7,472.48
1/4	3,996.22	1/4	4,384.09	1/4	4,771.57	1/4	5,157.46	1/4	5,553.60	1/4	5,943.60	1/4	6,322.80	1/4	6,708.08	1/4	7,091.20	1/4	7,480.48
1/2	4,004.30	1/2	4,392.17	1/2	4,779.61	1/2	5,165.46	1/2	5,562.72	1/2	5,953.72	1/2	6,331.84	1/2	6,716.08	1/2	7,100.20	1/2	7,488.48
3/4	4,012.38	3/4	4,400.25	3/4	4,787.66	3/4	5,173.44	3/4	5,571.84	3/4	5,963.84	3/4	6,340.88	3/4	6,724.08	3/4	7,109.20	3/4	7,496.48
5	4,020.46	5	4,408.33	5	4,795.70	5	5,181.42	5	5,580.96	5	5,972.96	5	6,350.00	5	6,730.08	5	7,118.20	5	7,504.48
1/4	4,028.54	1/4	4,416.41	1/4	4,803.74	1/4	5,189.40	1/4	5,590.08	1/4	5,982.08	1/4	6,359.12	1/4	6,738.08	1/4	7,127.20	1/4	7,512.48
1/2	4,036.62	1/2	4,424.49	1/2	4,811.78	1/2	5,197.38	1/2	5,600.16	1/2	5,992.16	1/2	6,368.16	1/2	6,746.08	1/2	7,136.20	1/2	7,520.48
3/4	4,044.70	3/4	4,432.57	3/4	4,819.83	3/4	5,205.36	3/4	5,609.24	3/4	5,999.24	3/4	6,377.20	3/4	6,754.08	3/4	7,145.20	3/4	7,528.48
6	4,052.78	6	4,440.65	6	4,827.87	6	5,213.34	6	5,618.40	6	6,008.40	6	6,386.40	6	6,762.08	6	7,154.20	6	7,536.48
1/4	4,060.86	1/4	4,448.74	1/4	4,835.91	1/4	5,221.32	1/4	5,626.48	1/4	6,018.48	1/4	6,395.52	1/4	6,770.08	1/4	7,163.20	1/4	7,544.48
1/2	4,068.94	1/2	4,456.82	1/2	4,843.95	1/2	5,229.30	1/2	5,635.56	1/2	6,026.56	1/2	6,404.64	1/2	6,778.08	1/2	7,172.20	1/2	7,552.48
3/4	4,077.02	3/4	4,464.90	3/4	4,851.99	3/4	5,237.28	3/4	5,644.64	3/4	6,034.64	3/4	6,413.68	3/4	6,786.08	3/4	7,181.20	3/4	7,560.48
7	4,085.10	7	4,472.98	7	4,860.04	7	5,245.26	7	5,653.76	7	6,042.76	7	6,422.72	7	6,794.08	7	7,190.20	7	7,568.48
1/4	4,093.18	1/4	4,481.06	1/4	4,868.08	1/4	5,253.24	1/4	5,662.80	1/4	6,051.80	1/4	6,431.76	1/4	6,802.08	1/4	7,200.20	1/4	7,576.48
1/2	4,101.27	1/2	4,489.14	1/2	4,876.12	1/2	5,261.23	1/2	5,671.84	1/2	6,060.84	1/2	6,440.80	1/2	6,810.08	1/2	7,209.20	1/2	7,584.48
3/4	4,109.35	3/4	4,497.22	3/4	4,884.16	3/4	5,269.21	3/4	5,680.96	3/4	6,069.96	3/4	6,450.80	3/4	6,819.08	3/4	7,218.20	3/4	7,592.48
8	4,117.43	8	4,505.30	8	4,892.21	8	5,277.20	8	5,689.04	8	6,078.04	8	6,459.76	8	6,828.08	8	7,227.20	8	7,600.48
1/4	4,125.51	1/4	4,513.38	1/4	4,900.25	1/4	5,285.18	1/4	5,698.08	1/4	6,087.08	1/4	6,468.80	1/4	6,837.08	1/4	7,236.20	1/4	7,608.48
1/2	4,133.59	1/2	4,521.46	1/2	4,908.29	1/2	5,293.16	1/2	5,707.20	1/2	6,096.20	1/2	6,477.76	1/2	6,846.08	1/2	7,245.20	1/2	7,616.48
3/4	4,141.67	3/4	4,529.54	3/4	4,916.33	3/4	5,300.65	3/4	5,716.32	3/4	6,105.32	3/4	6,487.84	3/4	6,855.08	3/4	7,254.20	3/4	7,624.48
9	4,149.75	9	4,537.62	9	4,924.37	9	5,308.13	9	5,724.80	9	6,114.80	9	6,496.96	9	6,864.08	9	7,263.20	9	7,632.48
1/4	4,157.83	1/4	4,545.70	1/4	4,932.42	1/4	5,315.61	1/4	5,731.36	1/4	6,123.36	1/4	6,506.08	1/4	6,872.08	1/4	7,272.20	1/4	7,640.48
1/2	4,165.91	1/2	4,553.78	1/2	4,940.46	1/2	5,323.09	1/2	5,739.84	1/2	6,131.84	1/2	6,515.20	1/2	6,880.08	1/2	7,281.20	1/2	7,648.48
3/4	4,173.99	3/4	4,561.87	3/4	4,948.50	3/4	5,329.39	3/4	5,748.00	3/4	6,140.00	3/4	6,523.36	3/4	6,889.08	3/4	7,290.20	3/4	7,656.48
10	4,182.07	10	4,569.95	10	4,956.54	10	5,335.69	10	5,756.16	10	6,149.16	10	6,531.76	10	6,898.08	10	7,300.20	10	7,664.48
1/4	4,190.15	1/4	4,578.03	1/4	4,964.59	1/4	5,341.99	1/4	5,766.72	1/4	6,158.72	1/4	6,539.84	1/4	6,907.08	1/4	7,309.20	1/4	7,672.48
1/2	4,198.23	1/2	4,586.11	1/2	4,972.63	1/2	5,348.29	1/2	5,775.84	1/2	6,167.84	1/2	6,547.92	1/2	6,916.08	1/2	7,318.20	1/2	7,680.48
3/4	4,206.31	3/4	4,594.19	3/4	4,980.67	3/4	5,353.25	3/4	5,783.92	3/4	6,176.92	3/4	6,556.00	3/4	6,924.08	3/4	7,327.20	3/4	7,688.48
11	4,214.39	11	4,602.27	11	4,988.71	11	5,358.20	11	5,791.04	11	6,186.04	11	6,564.16	11	6,932.08	11	7,336.20	11	7,696.48
1/4	4,222.48	1/4	4,610.35	1/4	4,996.75	1/4	5,363.16	1/4	5,800.16	1/4	6,195.16	1/4	6,572.32	1/4	6,940.08	1/4	7,345.20	1/4	7,704.48
1/2	4,230.56	1/2	4,618.43	1/2	5,004.80	1/2	5,368.11	1/2	5,809.28	1/2	6,204.28	1/2	6,580.40	1/2	6,949.08	1/2	7,354.20	1/2	7,712.48
3/4	4,238.64	3/4	4,626.51	3/4	5,012.84	3/4	5,374.00	3/4	5,818.40	3/4	6,213.40	3/4	6,589.52	3/4	6,958.08	3/4	7,363.20	3/4	7,720.48

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.pmacorp.net>



BARGE "EMS 3054"

3 PORT 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	28.07	0	363.53	0	721.91	0	1,081.92	0	1,440.56	0	1,797.62	0	2,156.02	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	2,163.52	1/4	2,523.62	1/4	2,876.73	1/4	3,063.78
1/2	35.90	1/2	378.28	1/2	736.96	1/2	1,096.81	1/2	1,455.35	1/2	1,812.65	1/2	2,173.02	1/2	2,533.13	1/2	2,881.47	1/2	3,067.67
3/4	41.07	3/4	385.65	3/4	744.48	3/4	1,104.26	3/4	1,462.89	3/4	1,820.17	3/4	2,180.52	3/4	2,540.63	3/4	2,885.31	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	2,889.14	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	2,892.97	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	2,203.00	1/2	2,563.13	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	1,492.09	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
1	69.44	1	422.52	1	782.11	1	1,141.51	1	1,499.44	1	1,857.74	1	2,218.01	1	2,578.16	1	2,904.55	1	3,090.97
1/4	75.87	1/4	429.89	1/4	789.64	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	2,593.10	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
1	96.73	1	452.02	1	812.21	1	1,171.30	1	1,528.83	1	1,887.79	1	2,248.00	1	2,608.18	1	2,920.06	1	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	2,623.17	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
1	125.90	1	481.53	1	842.31	1	1,201.10	1	1,558.23	1	1,917.85	1	2,277.99	1	2,638.16	1	2,935.60	1	3,122.05
1/4	133.27	1/4	488.91	1/4	849.84	1/4	1,208.55	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
1	155.38	1	511.27	1	872.41	1	1,230.91	1	1,587.62	1	1,947.92	1	2,307.98	1	2,668.08	1	2,951.14	1	3,137.58
1/4	162.76	1/4	518.76	1/4	879.94	1/4	1,238.36	1/4	1,595.47	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
1	185.09	1	541.30	1	902.51	1	1,260.73	1	1,617.28	1	1,978.00	1	2,337.97	1	2,697.99	1	2,966.68	1	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
1	215.08	1	571.41	1	932.58	1	1,290.62	1	1,647.28	1	2,008.06	1	2,367.97	1	2,727.90	1	2,982.21	1	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
1	245.14	1	601.51	1	962.59	1	1,320.55	1	1,677.37	1	2,038.06	1	2,398.00	1	2,757.81	1	2,997.75	1	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	267.68	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
1	274.99	1	631.61	1	992.50	1	1,350.55	1	1,707.45	1	2,068.05	1	2,428.03	1	2,787.72	1	3,013.29	1	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
1	304.55	1	661.71	1	1,022.33	1	1,380.63	1	1,737.51	1	2,098.04	1	2,458.06	1	2,817.63	1	3,028.82	1	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	2,480.58	3/4	2,840.06	3/4	3,040.48	3/4	3,226.92
1	334.04	1	691.81	1	1,052.12	1	1,410.73	1	1,767.57	1	2,128.03	1	2,488.09	1	2,847.54	1	3,044.36	1	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	2,870.00	3/4	3,056.01	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 ONLY APPLIES 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.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 3054"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-04 1/2"

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	3,246.35	0	3,432.79	0	3,619.24	0	3,804.98	0	3,990.72	0	4,176.46	0	4,362.20	0	4,547.94	0	4,733.68	0	4,919.42
1/4	3,250.23	1/4	3,436.68	1/4	3,623.12	1/4	3,808.84	1/4	3,994.56	1/4	4,180.28	1/4	4,366.00	1/4	4,551.72	1/4	4,737.44	1/4	4,923.16
1/2	3,254.11	1/2	3,440.56	1/2	3,627.01	1/2	3,812.71	1/2	3,998.41	1/2	4,184.81	1/2	4,371.21	1/2	4,557.61	1/2	4,744.01	1/2	4,930.41
3/4	3,258.00	3/4	3,444.44	3/4	3,630.89	3/4	3,816.58	3/4	3,992.28	3/4	4,178.67	3/4	4,364.66	3/4	4,550.65	3/4	4,736.64	3/4	4,922.63
1	3,261.88	1	3,448.33	1	3,634.78	1	3,820.44	1	3,995.66	1	4,181.02	1	4,367.38	1	4,553.74	1	4,739.50	1	4,925.26
1/4	3,265.77	1/4	3,452.21	1/4	3,638.66	1/4	3,824.31	1/4	3,996.55	1/4	4,182.91	1/4	4,369.27	1/4	4,555.99	1/4	4,741.71	1/4	4,927.01
1/2	3,269.65	1/2	3,456.10	1/2	3,642.54	1/2	3,828.18	1/2	3,998.44	1/2	4,184.77	1/2	4,371.49	1/2	4,557.88	1/2	4,743.60	1/2	4,928.82
3/4	3,273.54	3/4	3,459.98	3/4	3,646.42	3/4	3,832.04	3/4	3,992.33	3/4	4,179.69	3/4	4,366.41	3/4	4,553.77	3/4	4,739.51	3/4	4,924.64
2	3,277.42	2	3,463.87	2	3,650.29	2	3,835.91	2	3,994.22	2	4,180.54	2	4,367.33	2	4,555.66	2	4,741.62	2	4,926.46
1/4	3,281.30	1/4	3,467.75	1/4	3,654.17	1/4	3,839.78	1/4	3,996.11	1/4	4,182.41	1/4	4,369.24	1/4	4,557.55	1/4	4,743.51	1/4	4,928.35
1/2	3,285.19	1/2	3,471.63	1/2	3,658.04	1/2	3,843.64	1/2	3,998.00	1/2	4,184.30	1/2	4,371.13	1/2	4,559.44	1/2	4,745.40	1/2	4,930.24
3/4	3,289.07	3/4	3,475.52	3/4	3,661.91	3/4	3,847.51	3/4	3,999.89	3/4	4,186.19	3/4	4,373.02	3/4	4,561.33	3/4	4,747.29	3/4	4,932.13
3	3,292.96	3	3,479.40	3	3,665.77	3	3,851.38	3	3,995.78	3	4,182.08	3	4,368.91	3	4,557.22	3	4,743.18	3	4,928.02
1/4	3,296.84	1/4	3,483.29	1/4	3,669.64	1/4	3,855.24	1/4	3,997.66	1/4	4,183.97	1/4	4,370.84	1/4	4,559.11	1/4	4,745.07	1/4	4,929.91
1/2	3,300.73	1/2	3,487.17	1/2	3,673.51	1/2	3,859.11	1/2	3,999.55	1/2	4,185.86	1/2	4,372.71	1/2	4,560.99	1/2	4,746.96	1/2	4,931.80
3/4	3,304.61	3/4	3,491.06	3/4	3,677.37	3/4	3,862.95	3/4	3,991.44	3/4	4,187.75	3/4	4,374.59	3/4	4,562.82	3/4	4,748.85	3/4	4,933.69
4	3,308.49	4	3,494.94	4	3,681.24	4	3,866.80	4	3,993.33	4	4,189.64	4	4,376.42	4	4,564.65	4	4,750.74	4	4,935.58
1/4	3,312.38	1/4	3,498.82	1/4	3,685.11	1/4	3,870.64	1/4	3,995.22	1/4	4,191.53	1/4	4,378.25	1/4	4,566.48	1/4	4,752.63	1/4	4,937.47
1/2	3,316.26	1/2	3,502.71	1/2	3,688.97	1/2	3,874.48	1/2	3,997.11	1/2	4,193.42	1/2	4,380.08	1/2	4,568.31	1/2	4,754.52	1/2	4,939.36
3/4	3,320.15	3/4	3,506.59	3/4	3,692.84	3/4	3,878.32	3/4	3,999.00	3/4	4,195.31	3/4	4,381.91	3/4	4,570.14	3/4	4,756.41	3/4	4,941.25
5	3,324.03	5	3,510.48	5	3,696.71	5	3,882.16	5	3,990.89	5	4,197.20	5	4,383.74	5	4,571.97	5	4,758.30	5	4,943.14
1/4	3,327.92	1/4	3,514.36	1/4	3,700.57	1/4	3,886.00	1/4	3,992.78	1/4	4,199.09	1/4	4,385.57	1/4	4,573.80	1/4	4,760.19	1/4	4,945.03
1/2	3,331.80	1/2	3,518.25	1/2	3,704.44	1/2	3,889.83	1/2	3,994.67	1/2	4,200.98	1/2	4,387.40	1/2	4,575.63	1/2	4,762.08	1/2	4,946.92
3/4	3,335.68	3/4	3,522.13	3/4	3,708.31	3/4	3,893.67	3/4	3,996.56	3/4	4,202.87	3/4	4,389.23	3/4	4,577.46	3/4	4,763.97	3/4	4,948.81
6	3,339.57	6	3,526.01	6	3,712.17	6	3,897.51	6	3,998.45	6	4,204.76	6	4,391.06	6	4,579.29	6	4,765.86	6	4,950.70
1/4	3,343.45	1/4	3,529.90	1/4	3,716.04	1/4	3,901.35	1/4	3,991.34	1/4	4,206.65	1/4	4,392.89	1/4	4,581.12	1/4	4,767.75	1/4	4,952.59
1/2	3,347.34	1/2	3,533.78	1/2	3,719.91	1/2	3,905.18	1/2	3,993.23	1/2	4,208.54	1/2	4,394.72	1/2	4,582.95	1/2	4,769.64	1/2	4,954.48
3/4	3,351.22	3/4	3,537.67	3/4	3,723.77	3/4	3,909.02	3/4	3,995.12	3/4	4,210.43	3/4	4,396.55	3/4	4,584.78	3/4	4,771.53	3/4	4,956.37
7	3,355.11	7	3,541.55	7	3,727.64	7	3,912.86	7	3,997.01	7	4,212.32	7	4,398.38	7	4,586.61	7	4,773.42	7	4,958.26
1/4	3,358.99	1/4	3,545.44	1/4	3,731.51	1/4	3,916.69	1/4	3,998.90	1/4	4,214.21	1/4	4,399.21	1/4	4,588.44	1/4	4,775.31	1/4	4,960.15
1/2	3,362.87	1/2	3,549.32	1/2	3,735.37	1/2	3,920.53	1/2	3,991.79	1/2	4,216.10	1/2	4,401.04	1/2	4,590.27	1/2	4,777.20	1/2	4,962.04
3/4	3,366.76	3/4	3,553.20	3/4	3,739.24	3/4	3,924.37	3/4	3,993.68	3/4	4,217.99	3/4	4,402.87	3/4	4,592.10	3/4	4,779.09	3/4	4,963.93
8	3,370.64	8	3,557.09	8	3,743.11	8	3,928.21	8	3,995.57	8	4,219.88	8	4,404.70	8	4,593.93	8	4,780.98	8	4,965.82
1/4	3,374.53	1/4	3,560.97	1/4	3,746.97	1/4	3,932.05	1/4	3,997.46	1/4	4,221.77	1/4	4,406.53	1/4	4,595.76	1/4	4,782.87	1/4	4,967.71
1/2	3,378.41	1/2	3,564.86	1/2	3,750.84	1/2	3,935.89	1/2	3,999.35	1/2	4,223.66	1/2	4,408.36	1/2	4,597.59	1/2	4,784.76	1/2	4,969.60
3/4	3,382.30	3/4	3,568.74	3/4	3,754.71	3/4	3,939.26	3/4	3,991.24	3/4	4,225.55	3/4	4,410.19	3/4	4,599.42	3/4	4,786.65	3/4	4,971.49
9	3,386.18	9	3,572.63	9	3,758.58	9	3,942.62	9	3,993.13	9	4,227.44	9	4,412.02	9	4,601.25	9	4,788.54	9	4,973.38
1/4	3,390.06	1/4	3,576.51	1/4	3,762.44	1/4	3,945.99	1/4	3,995.02	1/4	4,229.33	1/4	4,413.85	1/4	4,603.08	1/4	4,790.43	1/4	4,975.27
1/2	3,393.95	1/2	3,580.39	1/2	3,766.31	1/2	3,949.36	1/2	3,996.91	1/2	4,231.22	1/2	4,415.68	1/2	4,604.91	1/2	4,792.32	1/2	4,977.16
3/4	3,397.83	3/4	3,584.28	3/4	3,770.18	3/4	3,951.63	3/4	3,998.80	3/4	4,233.11	3/4	4,417.51	3/4	4,606.74	3/4	4,794.21	3/4	4,979.05
10	3,401.72	10	3,588.16	10	3,774.04	10	3,953.90	10	3,991.69	10	4,235.00	10	4,419.34	10	4,608.57	10	4,796.10	10	4,980.94
1/4	3,405.60	1/4	3,592.05	1/4	3,777.91	1/4	3,956.17	1/4	3,993.58	1/4	4,236.89	1/4	4,421.17	1/4	4,610.40	1/4	4,797.99	1/4	4,982.83
1/2	3,409.49	1/2	3,595.93	1/2	3,781.78	1/2	3,958.44	1/2	3,995.47	1/2	4,238.78	1/2	4,423.00	1/2	4,612.23	1/2	4,799.88	1/2	4,984.72
3/4	3,413.37	3/4	3,599.82	3/4	3,785.64	3/4	3,959.45	3/4	3,997.36	3/4	4,240.67	3/4	4,424.83	3/4	4,614.06	3/4	4,801.77	3/4	4,986.61
11	3,417.25	11	3,603.70	11	3,789.51	11	3,960.46	11	3,999.25	11	4,242.56	11	4,426.66	11	4,615.89	11	4,803.66	11	4,988.50
1/4	3,421.14	1/4	3,607.58	1/4	3,793.38	1/4	3,961.47	1/4	3,991.14	1/4	4,244.45	1/4	4,428.49	1/4	4,617.72	1/4	4,805.55	1/4	4,990.39
1/2	3,425.02	1/2	3,611.47	1/2	3,797.24	1/2	3,962.48	1/2	3,993.03	1/2	4,246.34	1/2	4,430.32	1/2	4,619.55	1/2	4,807.44	1/2	4,992.28
3/4	3,428.91	3/4	3,615.35	3/4	3,801.11	3/4	3,963.59	3/4	3,994.92	3/4	4,248.23	3/4	4,432.15	3/4	4,621.38	3/4	4,809.33	3/4	4,994.17

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 2082
Pearland, Texas 77588
<http://www.pmatcorp.net>



BARGE "EMS 3054"

3 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
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
1/4	51.35	1/4	399.94	1/4	757.39	1/4	1,105.12	1/4	1,452.42	1/4	1,809.84	1/4	2,169.77	1/4	2,529.51	1/4	2,866.46	1/4	3,052.72
1/2	56.52	1/2	407.27	1/2	764.81	1/2	1,112.21	1/2	1,459.76	1/2	1,817.34	1/2	2,177.26	1/2	2,537.01	1/2	2,870.29	1/2	3,056.60
3/4	62.95	3/4	414.61	3/4	772.19	3/4	1,119.30	3/4	1,467.10	3/4	1,824.85	3/4	2,184.75	3/4	2,544.50	3/4	2,874.16	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
1/4	75.79	1/4	429.28	1/4	786.96	1/4	1,133.48	1/4	1,481.78	1/4	1,839.86	1/4	2,199.73	1/4	2,559.59	1/4	2,881.90	1/4	3,068.25
1/2	82.22	1/2	436.62	1/2	794.35	1/2	1,140.57	1/2	1,489.13	1/2	1,847.37	1/2	2,207.21	1/2	2,566.99	1/2	2,885.77	1/2	3,072.13
3/4	89.43	3/4	443.96	3/4	801.72	3/4	1,147.66	3/4	1,496.47	3/4	1,854.87	3/4	2,214.70	3/4	2,574.49	3/4	2,889.65	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	3,079.90
1/4	103.85	1/4	458.64	1/4	816.48	1/4	1,161.83	1/4	1,511.15	1/4	1,869.88	1/4	2,229.68	1/4	2,589.49	1/4	2,897.41	1/4	3,083.78
1/2	111.06	1/2	465.98	1/2	823.86	1/2	1,168.92	1/2	1,518.49	1/2	1,877.39	1/2	2,237.17	1/2	2,596.98	1/2	2,901.30	1/2	3,087.66
3/4	118.43	3/4	473.32	3/4	831.24	3/4	1,176.02	3/4	1,525.83	3/4	1,884.90	3/4	2,244.66	3/4	2,604.46	3/4	2,905.18	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	2,909.06	4	3,095.43
1/4	133.16	1/4	488.01	1/4	845.99	1/4	1,190.20	1/4	1,540.51	1/4	1,899.91	1/4	2,259.64	1/4	2,619.41	1/4	2,912.94	1/4	3,099.31
1/2	140.53	1/2	495.35	1/2	853.37	1/2	1,197.29	1/2	1,547.85	1/2	1,907.41	1/2	2,267.13	1/2	2,626.89	1/2	2,916.83	1/2	3,103.19
3/4	147.89	3/4	502.80	3/4	860.74	3/4	1,204.38	3/4	1,555.19	3/4	1,914.93	3/4	2,274.62	3/4	2,634.36	3/4	2,920.71	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	2,924.49	5	3,110.96
1/4	162.63	1/4	517.71	1/4	875.50	1/4	1,218.57	1/4	1,569.87	1/4	1,929.95	1/4	2,289.60	1/4	2,649.30	1/4	2,928.47	1/4	3,114.84
1/2	170.00	1/2	525.16	1/2	882.87	1/2	1,225.66	1/2	1,577.21	1/2	1,937.46	1/2	2,297.09	1/2	2,656.76	1/2	2,932.36	1/2	3,118.72
3/4	177.47	3/4	532.65	3/4	890.25	3/4	1,232.76	3/4	1,584.68	3/4	1,944.98	3/4	2,304.58	3/4	2,664.23	3/4	2,936.24	3/4	3,122.60
6	184.95	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	2,940.12	6	3,126.49
1/4	192.43	1/4	547.63	1/4	905.00	1/4	1,246.96	1/4	1,599.63	1/4	1,960.01	1/4	2,319.56	1/4	2,679.17	1/4	2,944.00	1/4	3,130.37
1/2	199.90	1/2	555.12	1/2	912.38	1/2	1,254.06	1/2	1,607.10	1/2	1,967.52	1/2	2,327.05	1/2	2,686.64	1/2	2,947.89	1/2	3,134.25
3/4	207.41	3/4	562.61	3/4	919.74	3/4	1,261.19	3/4	1,614.61	3/4	1,975.02	3/4	2,334.55	3/4	2,694.11	3/4	2,951.77	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
1/4	222.43	1/4	577.58	1/4	934.46	1/4	1,275.43	1/4	1,629.64	1/4	1,990.01	1/4	2,349.54	1/4	2,709.05	1/4	2,959.53	1/4	3,145.90
1/2	229.95	1/2	585.07	1/2	941.82	1/2	1,282.55	1/2	1,637.16	1/2	1,997.51	1/2	2,357.04	1/2	2,716.52	1/2	2,963.42	1/2	3,149.78
3/4	237.46	3/4	592.56	3/4	949.17	3/4	1,289.68	3/4	1,644.67	3/4	2,005.00	3/4	2,364.54	3/4	2,723.99	3/4	2,967.30	3/4	3,153.66
8	244.97	8	600.05	8	956.51	8	1,296.81	8	1,652.18	8	2,012.49	8	2,372.04	8	2,731.46	8	2,971.18	8	3,157.55
1/4	252.48	1/4	607.53	1/4	963.86	1/4	1,303.93	1/4	1,659.70	1/4	2,019.97	1/4	2,379.54	1/4	2,738.93	1/4	2,975.07	1/4	3,161.43
1/2	259.99	1/2	615.02	1/2	971.21	1/2	1,311.06	1/2	1,667.21	1/2	2,027.46	1/2	2,387.03	1/2	2,746.40	1/2	2,978.95	1/2	3,165.31
3/4	267.39	3/4	622.51	3/4	978.26	3/4	1,318.48	3/4	1,674.72	3/4	2,034.95	3/4	2,394.53	3/4	2,753.86	3/4	2,982.83	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
1/4	282.20	1/4	637.49	1/4	992.38	1/4	1,333.31	1/4	1,689.74	1/4	2,049.93	1/4	2,409.53	1/4	2,768.80	1/4	2,990.60	1/4	3,176.96
1/2	289.61	1/2	644.97	1/2	999.43	1/2	1,340.73	1/2	1,697.25	1/2	2,057.42	1/2	2,417.03	1/2	2,776.27	1/2	2,994.48	1/2	3,180.84
3/4	296.97	3/4	652.48	3/4	1,006.39	3/4	1,348.25	3/4	1,704.75	3/4	2,064.91	3/4	2,424.53	3/4	2,783.74	3/4	2,998.36	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
1/4	311.71	1/4	667.50	1/4	1,020.31	1/4	1,363.28	1/4	1,719.76	1/4	2,079.89	1/4	2,439.53	1/4	2,798.68	1/4	3,006.13	1/4	3,192.49
1/2	319.08	1/2	675.01	1/2	1,027.27	1/2	1,370.80	1/2	1,727.27	1/2	2,087.38	1/2	2,447.03	1/2	2,806.15	1/2	3,010.01	1/2	3,196.37
3/4	326.45	3/4	682.53	3/4	1,034.32	3/4	1,378.31	3/4	1,734.78	3/4	2,094.87	3/4	2,454.53	3/4	2,813.62	3/4	3,013.89	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
1/4	341.19	1/4	697.56	1/4	1,048.44	1/4	1,393.35	1/4	1,749.79	1/4	2,109.85	1/4	2,469.53	1/4	2,828.56	1/4	3,021.66	1/4	3,208.02
1/2	348.55	1/2	705.08	1/2	1,055.49	1/2	1,400.86	1/2	1,757.29	1/2	2,117.34	1/2	2,477.03	1/2	2,836.03	1/2	3,025.54	1/2	3,211.90
3/4	355.90	3/4	712.59	3/4	1,062.58	3/4	1,408.25	3/4	1,764.80	3/4	2,124.83	3/4	2,484.53	3/4	2,843.56	3/4	3,029.42	3/4	3,215.79

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 ONLY APPLIES 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.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmatcorp.net>



BARGE "EMS 3054"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-04 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
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	3,981.20	1/2	4,166.80	1/2	4,352.40	1/2	4,538.00	1/2	4,723.60	1/2	4,909.20
3/4	3,231.32	3/4	3,417.68	3/4	3,604.05	3/4	3,789.63	3/4	3,974.24	3/4	4,159.84	3/4	4,345.44	3/4	4,531.04	3/4	4,716.64	3/4	4,902.24
1	3,235.20	1	3,421.56	1	3,607.93	1	3,793.49	1	3,979.04	1	4,164.64	1	4,350.24	1	4,535.84	1	4,721.44	1	4,907.04
1/4	3,239.08	1/4	3,425.45	1/4	3,611.81	1/4	3,797.36	1/4	3,984.80	1/4	4,170.40	1/4	4,356.00	1/4	4,541.60	1/4	4,727.20	1/4	4,912.80
1/2	3,242.96	1/2	3,429.33	1/2	3,615.69	1/2	3,801.22	1/2	3,990.72	1/2	4,176.32	1/2	4,361.92	1/2	4,547.52	1/2	4,733.12	1/2	4,919.04
3/4	3,246.85	3/4	3,433.21	3/4	3,619.56	3/4	3,805.09	3/4	3,995.68	3/4	4,182.24	3/4	4,367.84	3/4	4,553.44	3/4	4,739.04	3/4	4,925.28
2	3,250.73	2	3,437.09	2	3,623.43	2	3,808.95	2	3,999.52	2	4,188.16	2	4,373.76	2	4,559.36	2	4,745.20	2	4,931.52
1/4	3,254.61	1/4	3,440.98	1/4	3,627.30	1/4	3,812.82	1/4	3,999.52	1/4	4,188.16	1/4	4,373.76	1/4	4,559.36	1/4	4,745.20	1/4	4,931.52
1/2	3,258.50	1/2	3,444.86	1/2	3,631.17	1/2	3,816.68	1/2	3,999.52	1/2	4,188.16	1/2	4,373.76	1/2	4,559.36	1/2	4,745.20	1/2	4,931.52
3/4	3,262.38	3/4	3,448.74	3/4	3,635.04	3/4	3,820.55	3/4	3,999.52	3/4	4,188.16	3/4	4,373.76	3/4	4,559.36	3/4	4,745.20	3/4	4,931.52
3	3,266.26	3	3,452.63	3	3,638.90	3	3,824.41	3	3,999.52	3	4,188.16	3	4,373.76	3	4,559.36	3	4,745.20	3	4,931.52
1/4	3,270.14	1/4	3,456.51	1/4	3,642.77	1/4	3,828.28	1/4	3,999.52	1/4	4,188.16	1/4	4,373.76	1/4	4,559.36	1/4	4,745.20	1/4	4,931.52
1/2	3,274.03	1/2	3,460.39	1/2	3,646.63	1/2	3,832.14	1/2	3,999.52	1/2	4,188.16	1/2	4,373.76	1/2	4,559.36	1/2	4,745.20	1/2	4,931.52
3/4	3,277.91	3/4	3,464.27	3/4	3,650.50	3/4	3,835.99	3/4	3,999.52	3/4	4,188.16	3/4	4,373.76	3/4	4,559.36	3/4	4,745.20	3/4	4,931.52
4	3,281.79	4	3,468.16	4	3,654.36	4	3,839.83	4	3,999.52	4	4,188.16	4	4,373.76	4	4,559.36	4	4,745.20	4	4,931.52
1/4	3,285.67	1/4	3,472.04	1/4	3,658.23	1/4	3,843.67	1/4	3,999.52	1/4	4,188.16	1/4	4,373.76	1/4	4,559.36	1/4	4,745.20	1/4	4,931.52
1/2	3,289.56	1/2	3,475.92	1/2	3,662.09	1/2	3,847.52	1/2	3,999.52	1/2	4,188.16	1/2	4,373.76	1/2	4,559.36	1/2	4,745.20	1/2	4,931.52
3/4	3,293.44	3/4	3,479.80	3/4	3,665.96	3/4	3,851.35	3/4	3,999.52	3/4	4,188.16	3/4	4,373.76	3/4	4,559.36	3/4	4,745.20	3/4	4,931.52
5	3,297.32	5	3,483.69	5	3,669.82	5	3,855.19	5	3,999.52	5	4,188.16	5	4,373.76	5	4,559.36	5	4,745.20	5	4,931.52
1/4	3,301.20	1/4	3,487.57	1/4	3,673.69	1/4	3,859.02	1/4	3,999.52	1/4	4,188.16	1/4	4,373.76	1/4	4,559.36	1/4	4,745.20	1/4	4,931.52
1/2	3,305.09	1/2	3,491.45	1/2	3,677.55	1/2	3,862.86	1/2	3,999.52	1/2	4,188.16	1/2	4,373.76	1/2	4,559.36	1/2	4,745.20	1/2	4,931.52
3/4	3,308.97	3/4	3,495.33	3/4	3,681.42	3/4	3,866.70	3/4	3,999.52	3/4	4,188.16	3/4	4,373.76	3/4	4,559.36	3/4	4,745.20	3/4	4,931.52
6	3,312.85	6	3,499.22	6	3,685.28	6	3,870.53	6	3,999.52	6	4,188.16	6	4,373.76	6	4,559.36	6	4,745.20	6	4,931.52
1/4	3,316.73	1/4	3,503.10	1/4	3,689.14	1/4	3,874.37	1/4	3,999.52	1/4	4,188.16	1/4	4,373.76	1/4	4,559.36	1/4	4,745.20	1/4	4,931.52
1/2	3,320.62	1/2	3,506.98	1/2	3,693.01	1/2	3,878.20	1/2	3,999.52	1/2	4,188.16	1/2	4,373.76	1/2	4,559.36	1/2	4,745.20	1/2	4,931.52
3/4	3,324.50	3/4	3,510.86	3/4	3,696.87	3/4	3,882.04	3/4	3,999.52	3/4	4,188.16	3/4	4,373.76	3/4	4,559.36	3/4	4,745.20	3/4	4,931.52
7	3,328.38	7	3,514.75	7	3,700.74	7	3,885.87	7	3,999.52	7	4,188.16	7	4,373.76	7	4,559.36	7	4,745.20	7	4,931.52
1/4	3,332.26	1/4	3,518.63	1/4	3,704.60	1/4	3,889.71	1/4	3,999.52	1/4	4,188.16	1/4	4,373.76	1/4	4,559.36	1/4	4,745.20	1/4	4,931.52
1/2	3,336.15	1/2	3,522.51	1/2	3,708.47	1/2	3,893.54	1/2	3,999.52	1/2	4,188.16	1/2	4,373.76	1/2	4,559.36	1/2	4,745.20	1/2	4,931.52
3/4	3,340.03	3/4	3,526.39	3/4	3,712.33	3/4	3,897.38	3/4	3,999.52	3/4	4,188.16	3/4	4,373.76	3/4	4,559.36	3/4	4,745.20	3/4	4,931.52
8	3,343.91	8	3,530.28	8	3,716.20	8	3,901.22	8	3,999.52	8	4,188.16	8	4,373.76	8	4,559.36	8	4,745.20	8	4,931.52
1/4	3,347.79	1/4	3,534.16	1/4	3,720.06	1/4	3,905.06	1/4	3,999.52	1/4	4,188.16	1/4	4,373.76	1/4	4,559.36	1/4	4,745.20	1/4	4,931.52
1/2	3,351.68	1/2	3,538.04	1/2	3,723.93	1/2	3,908.89	1/2	3,999.52	1/2	4,188.16	1/2	4,373.76	1/2	4,559.36	1/2	4,745.20	1/2	4,931.52
3/4	3,355.56	3/4	3,541.92	3/4	3,727.79	3/4	3,912.76	3/4	3,999.52	3/4	4,188.16	3/4	4,373.76	3/4	4,559.36	3/4	4,745.20	3/4	4,931.52
9	3,359.44	9	3,545.81	9	3,731.66	9	3,915.63	9	3,999.52	9	4,188.16	9	4,373.76	9	4,559.36	9	4,745.20	9	4,931.52
1/4	3,363.33	1/4	3,549.69	1/4	3,735.52	1/4	3,918.99	1/4	3,999.52	1/4	4,188.16	1/4	4,373.76	1/4	4,559.36	1/4	4,745.20	1/4	4,931.52
1/2	3,367.21	1/2	3,553.57	1/2	3,739.39	1/2	3,922.36	1/2	3,999.52	1/2	4,188.16	1/2	4,373.76	1/2	4,559.36	1/2	4,745.20	1/2	4,931.52
3/4	3,371.09	3/4	3,557.46	3/4	3,743.25	3/4	3,924.63	3/4	3,999.52	3/4	4,188.16	3/4	4,373.76	3/4	4,559.36	3/4	4,745.20	3/4	4,931.52
10	3,374.97	10	3,561.34	10	3,747.12	10	3,926.90	10	3,999.52	10	4,188.16	10	4,373.76	10	4,559.36	10	4,745.20	10	4,931.52
1/4	3,378.86	1/4	3,565.22	1/4	3,750.98	1/4	3,929.17	1/4	3,999.52	1/4	4,188.16	1/4	4,373.76	1/4	4,559.36	1/4	4,745.20	1/4	4,931.52
1/2	3,382.74	1/2	3,569.10	1/2	3,754.85	1/2	3,931.43	1/2	3,999.52	1/2	4,188.16	1/2	4,373.76	1/2	4,559.36	1/2	4,745.20	1/2	4,931.52
3/4	3,386.62	3/4	3,572.99	3/4	3,758.71	3/4	3,932.44	3/4	3,999.52	3/4	4,188.16	3/4	4,373.76	3/4	4,559.36	3/4	4,745.20	3/4	4,931.52
11	3,390.50	11	3,576.87	11	3,762.58	11	3,933.45	11	3,999.52	11	4,188.16	11	4,373.76	11	4,559.36	11	4,745.20	11	4,931.52
1/4	3,394.39	1/4	3,580.75	1/4	3,766.44	1/4	3,934.47	1/4	3,999.52	1/4	4,188.16	1/4	4,373.76	1/4	4,559.36	1/4	4,745.20	1/4	4,931.52
1/2	3,398.27	1/2	3,584.63	1/2	3,770.31	1/2	3,935.48	1/2	3,999.52	1/2	4,188.16	1/2	4,373.76	1/2	4,559.36	1/2	4,745.20	1/2	4,931.52
3/4	3,402.15	3/4	3,588.52	3/4	3,774.17	3/4	3,936.49	3/4	3,999.52	3/4	4,188.16	3/4	4,373.76	3/4	4,559.36	3/4	4,745.20	3/4	4,931.52

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 77589
<http://www.pmacorp.net>



BARGE "EMS 3054"

FUEL TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	3,412	0	6,825	0	10,237	0	13,649	0		0		0		0		0	
1/4	71	1/4	3,483	1/4	6,896	1/4	10,308	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	142	1/2	3,555	1/2	6,967	1/2	10,379	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	213	3/4	3,626	3/4	7,038	3/4	10,450	3/4		3/4		3/4		3/4		3/4		3/4	
1	284	1	3,697	1	7,109	1	10,521	1		1		1		1		1		1	
1/4	355	1/4	3,768	1/4	7,180	1/4	10,593	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	427	1/2	3,839	1/2	7,251	1/2	10,664	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	498	3/4	3,910	3/4	7,322	3/4	10,735	3/4		3/4		3/4		3/4		3/4		3/4	
1	569	1	3,981	1	7,393	1	10,806	1		1		1		1		1		1	
1/4	640	1/4	4,052	1/4	7,465	1/4	10,877	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	711	1/2	4,123	1/2	7,536	1/2	10,948	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	782	3/4	4,194	3/4	7,607	3/4	11,019	3/4		3/4		3/4		3/4		3/4		3/4	
1	853	1	4,265	1	7,678	1	11,090	1		1		1		1		1		1	
1/4	924	1/4	4,337	1/4	7,749	1/4	11,161	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	995	1/2	4,408	1/2	7,820	1/2	11,232	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,066	3/4	4,479	3/4	7,891	3/4	11,303	3/4		3/4		3/4		3/4		3/4		3/4	
1	1,137	1	4,550	1	7,962	1	11,375	1		1		1		1		1		1	
1/4	1,209	1/4	4,621	1/4	8,033	1/4	11,446	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,280	1/2	4,692	1/2	8,104	1/2	11,517	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,351	3/4	4,763	3/4	8,175	3/4	11,588	3/4		3/4		3/4		3/4		3/4		3/4	
1	1,422	1	4,834	1	8,247	1	11,659	1		1		1		1		1		1	
1/4	1,493	1/4	4,905	1/4	8,318	1/4	11,730	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,564	1/2	4,976	1/2	8,389	1/2	11,801	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,635	3/4	5,047	3/4	8,460	3/4	11,872	3/4		3/4		3/4		3/4		3/4		3/4	
1	1,706	1	5,119	1	8,531	1	11,943	1		1		1		1		1		1	
1/4	1,777	1/4	5,190	1/4	8,602	1/4	12,014	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,848	1/2	5,261	1/2	8,673	1/2	12,085	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,919	3/4	5,332	3/4	8,744	3/4	12,157	3/4		3/4		3/4		3/4		3/4		3/4	
1	1,991	1	5,403	1	8,815	1	12,228	1		1		1		1		1		1	
1/4	2,062	1/4	5,474	1/4	8,886	1/4	12,299	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,133	1/2	5,545	1/2	8,957	1/2	12,370	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,204	3/4	5,616	3/4	9,029	3/4	12,441	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,275	1	5,687	1	9,100	1	12,512	1		1		1		1		1		1	
1/4	2,346	1/4	5,758	1/4	9,171	1/4	12,583	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,417	1/2	5,829	1/2	9,242	1/2	12,654	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,488	3/4	5,901	3/4	9,313	3/4	12,725	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,559	1	5,972	1	9,384	1	12,796	1		1		1		1		1		1	
1/4	2,630	1/4	6,043	1/4	9,455	1/4	12,867	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,701	1/2	6,114	1/2	9,526	1/2	12,939	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,773	3/4	6,185	3/4	9,597	3/4	13,010	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,844	1	6,256	1	9,668	1	13,081	1		1		1		1		1		1	
1/4	2,915	1/4	6,327	1/4	9,739	1/4	13,152	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,986	1/2	6,398	1/2	9,811	1/2	13,223	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,057	3/4	6,469	3/4	9,882	3/4	13,294	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,128	1	6,540	1	9,953	1	13,365	1		1		1		1		1		1	
1/4	3,199	1/4	6,611	1/4	10,024	1/4	13,436	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,270	1/2	6,683	1/2	10,095	1/2	13,507	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,341	3/4	6,754	3/4	10,166	3/4	13,578	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

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.

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



BARGE "EMS 3054"

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:

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

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
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 3054"

1 PORT

ULLAGE 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
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	4,322.12	1/4	3,993.15	1/4	3,662.78	1/4	3,332.09	1/4	3,001.39	1/4	2,670.70	1/4	2,340.00	1/4	2,009.18	1/4	1,678.25	
1/2	1/2	4,315.31	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	2,333.11	1/2	2,002.28	1/2	1,671.36	
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	2,326.22	3/4	1,995.39	3/4	1,664.47	
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	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	2,314.44	1/4	1,981.60	1/4	1,650.68	
1/2	1/2	4,288.00	1/2	3,958.86	1/2	3,628.34	1/2	3,297.64	1/2	2,967.93	1/2	2,636.25	1/2	2,305.55	1/2	1,974.71	1/2	1,643.78	
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	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	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	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	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	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	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	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	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	4,219.43	4	3,890.14	4	3,559.44	4	3,228.75	4	2,898.05	4	2,567.35	4	2,232.66	4	1,905.76	4	1,574.84	
1/4	1/4	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	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	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	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	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	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	2,200.32	1/2	1,864.40	1/2	1,533.48	
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	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	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	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	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	2,155.85	3/4	1,829.93	3/4	1,499.01	
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	2,149.16	7	1,823.03	7	1,492.11	
1/4	1/4	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	2,142.06	1/4	1,816.14	1/4	1,485.22	
1/2	1/2	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	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	1,802.35	3/4	1,471.43	
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	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	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	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	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	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	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	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	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	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	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	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	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	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	2,036.76	1/4	1,705.83	1/4	1,374.94	
1/2	1/2	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	1,368.08	
3/4	3/4	4,006.86	3/4	3,676.56	3/4	3,345.87	3/4	3,015.17	3/4	2,684.48	3/4	2,353.78	3/4	2,022.96	3/4	1,692.04	3/4	1,361.22	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE ONLY APPLIES 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'-03" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.
 PRECISION MEASUREMENT
 & ANALYSIS, INC.
 Pearland, Texas 77588
<http://www.pmacorp.net>





BARGE "EMS 3054"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	1,324.36	0	1,024.57	0	699.10	0	390.83	0	109.66	0	109.66	0	109.66	0	109.66	0	109.66	0	109.66
1/4	1,347.50	1/4	1,017.73	1/4	692.43	1/4	384.66	1/4	104.06	1/4	104.06	1/4	104.06	1/4	104.06	1/4	104.06	1/4	104.06
1/2	1,340.64	1/2	1,010.90	1/2	685.81	1/2	378.63	1/2	98.49	1/2	98.49	1/2	98.49	1/2	98.49	1/2	98.49	1/2	98.49
3/4	1,333.78	3/4	1,004.07	3/4	679.18	3/4	372.60	3/4	92.93	3/4	92.93	3/4	92.93	3/4	92.93	3/4	92.93	3/4	92.93
1	1,326.92	1	997.24	1	672.55	1	366.58	1	87.37	1	87.37	1	87.37	1	87.37	1	87.37	1	87.37
1/4	1,320.06	1/4	990.41	1/4	665.92	1/4	360.55	1/4	81.80	1/4	81.80	1/4	81.80	1/4	81.80	1/4	81.80	1/4	81.80
1/2	1,313.20	1/2	983.58	1/2	659.34	1/2	354.56	1/2	76.42	1/2	76.42	1/2	76.42	1/2	76.42	1/2	76.42	1/2	76.42
3/4	1,306.34	3/4	976.75	3/4	652.75	3/4	348.56	3/4	71.04	3/4	71.04	3/4	71.04	3/4	71.04	3/4	71.04	3/4	71.04
2	1,299.48	2	969.92	2	646.16	2	342.57	2	65.66	2	65.66	2	65.66	2	65.66	2	65.66	2	65.66
1/4	1,292.62	1/4	963.09	1/4	639.58	1/4	336.58	1/4	60.28	1/4	60.28	1/4	60.28	1/4	60.28	1/4	60.28	1/4	60.28
1/2	1,285.76	1/2	956.26	1/2	633.03	1/2	330.63	1/2	55.66	1/2	55.66	1/2	55.66	1/2	55.66	1/2	55.66	1/2	55.66
3/4	1,278.90	3/4	949.43	3/4	626.48	3/4	324.68	3/4	51.04	3/4	51.04	3/4	51.04	3/4	51.04	3/4	51.04	3/4	51.04
3	1,272.04	3	942.61	3	619.94	3	318.73	3	46.42	3	46.42	3	46.42	3	46.42	3	46.42	3	46.42
1/4	1,265.18	1/4	935.78	1/4	613.39	1/4	312.78	1/4	41.79	1/4	41.79	1/4	41.79	1/4	41.79	1/4	41.79	1/4	41.79
1/2	1,258.32	1/2	928.95	1/2	606.88	1/2	306.88	1/2	38.36	1/2	38.36	1/2	38.36	1/2	38.36	1/2	38.36	1/2	38.36
3/4	1,251.46	3/4	922.12	3/4	600.36	3/4	300.97	3/4	34.92	3/4	34.92	3/4	34.92	3/4	34.92	3/4	34.92	3/4	34.92
4	1,244.60	4	915.29	4	593.85	4	295.06	4	31.48	4	31.48	4	31.48	4	31.48	4	31.48	4	31.48
1/4	1,237.74	1/4	908.46	1/4	587.34	1/4	289.16	1/4	28.04	1/4	28.04	1/4	28.04	1/4	28.04	1/4	28.04	1/4	28.04
1/2	1,230.87	1/2	901.63	1/2	580.86	1/2	283.29	1/2	25.44	1/2	25.44	1/2	25.44	1/2	25.44	1/2	25.44	1/2	25.44
3/4	1,224.00	3/4	894.80	3/4	574.39	3/4	277.42	3/4	22.85	3/4	22.85	3/4	22.85	3/4	22.85	3/4	22.85	3/4	22.85
5	1,217.13	5	887.97	5	567.92	5	271.56	5	19.25	5	19.25	5	19.25	5	19.25	5	19.25	5	19.25
1/4	1,210.26	1/4	881.14	1/4	561.45	1/4	265.69	1/4	16.61	1/4	16.61	1/4	16.61	1/4	16.61	1/4	16.61	1/4	16.61
1/2	1,203.37	1/2	874.32	1/2	555.01	1/2	259.85	1/2	13.97	1/2	13.97	1/2	13.97	1/2	13.97	1/2	13.97	1/2	13.97
3/4	1,196.47	3/4	867.50	3/4	548.58	3/4	254.02	3/4	11.33	3/4	11.33	3/4	11.33	3/4	11.33	3/4	11.33	3/4	11.33
6	1,189.58	6	860.67	6	542.15	6	248.19	6	8.69	6	8.69	6	8.69	6	8.69	6	8.69	6	8.69
1/4	1,182.69	1/4	853.85	1/4	535.71	1/4	242.35	1/4	6.05	1/4	6.05	1/4	6.05	1/4	6.05	1/4	6.05	1/4	6.05
1/2	1,175.79	1/2	847.06	1/2	529.31	1/2	236.56	1/2	3.41	1/2	3.41	1/2	3.41	1/2	3.41	1/2	3.41	1/2	3.41
3/4	1,168.90	3/4	840.26	3/4	522.92	3/4	230.77	3/4	0.77	3/4	0.77	3/4	0.77	3/4	0.77	3/4	0.77	3/4	0.77
7	1,162.00	7	833.47	7	516.52	7	224.98	7	0.13	7	0.13	7	0.13	7	0.13	7	0.13	7	0.13
1/4	1,155.11	1/4	826.67	1/4	510.12	1/4	219.18	1/4	0.49	1/4	0.49	1/4	0.49	1/4	0.49	1/4	0.49	1/4	0.49
1/2	1,148.21	1/2	819.92	1/2	503.76	1/2	213.40	1/2	0.85	1/2	0.85	1/2	0.85	1/2	0.85	1/2	0.85	1/2	0.85
3/4	1,141.32	3/4	813.16	3/4	497.40	3/4	207.61	3/4	1.21	3/4	1.21	3/4	1.21	3/4	1.21	3/4	1.21	3/4	1.21
8	1,134.43	8	806.40	8	491.04	8	201.82	8	1.57	8	1.57	8	1.57	8	1.57	8	1.57	8	1.57
1/4	1,127.53	1/4	799.65	1/4	484.68	1/4	196.04	1/4	1.93	1/4	1.93	1/4	1.93	1/4	1.93	1/4	1.93	1/4	1.93
1/2	1,120.64	1/2	792.92	1/2	478.37	1/2	190.18	1/2	2.29	1/2	2.29	1/2	2.29	1/2	2.29	1/2	2.29	1/2	2.29
3/4	1,113.74	3/4	786.19	3/4	472.05	3/4	184.33	3/4	2.65	3/4	2.65	3/4	2.65	3/4	2.65	3/4	2.65	3/4	2.65
9	1,106.85	9	779.47	9	465.73	9	178.48	9	3.01	9	3.01	9	3.01	9	3.01	9	3.01	9	3.01
1/4	1,099.96	1/4	772.74	1/4	459.42	1/4	172.63	1/4	3.37	1/4	3.37	1/4	3.37	1/4	3.37	1/4	3.37	1/4	3.37
1/2	1,093.07	1/2	766.04	1/2	453.14	1/2	166.82	1/2	3.73	1/2	3.73	1/2	3.73	1/2	3.73	1/2	3.73	1/2	3.73
3/4	1,086.19	3/4	759.33	3/4	446.86	3/4	161.01	3/4	4.09	3/4	4.09	3/4	4.09	3/4	4.09	3/4	4.09	3/4	4.09
10	1,079.31	10	752.63	10	440.59	10	155.20	10	4.45	10	4.45	10	4.45	10	4.45	10	4.45	10	4.45
1/4	1,072.43	1/4	745.92	1/4	434.31	1/4	149.39	1/4	4.81	1/4	4.81	1/4	4.81	1/4	4.81	1/4	4.81	1/4	4.81
1/2	1,065.59	1/2	739.22	1/2	428.07	1/2	143.66	1/2	5.17	1/2	5.17	1/2	5.17	1/2	5.17	1/2	5.17	1/2	5.17
3/4	1,058.75	3/4	732.52	3/4	421.82	3/4	137.92	3/4	5.53	3/4	5.53	3/4	5.53	3/4	5.53	3/4	5.53	3/4	5.53
11	1,051.90	11	725.81	11	415.58	11	132.18	11	5.89	11	5.89	11	5.89	11	5.89	11	5.89	11	5.89
1/4	1,045.06	1/4	719.11	1/4	409.33	1/4	126.45	1/4	6.25	1/4	6.25	1/4	6.25	1/4	6.25	1/4	6.25	1/4	6.25
1/2	1,038.23	1/2	712.44	1/2	403.17	1/2	120.85	1/2	6.61	1/2	6.61	1/2	6.61	1/2	6.61	1/2	6.61	1/2	6.61
3/4	1,031.40	3/4	705.77	3/4	397.00	3/4	115.25	3/4	6.97	3/4	6.97	3/4	6.97	3/4	6.97	3/4	6.97	3/4	6.97

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.pmacorp.net>



BARGE "EMS 3054"

1 STBD

ULLAGE 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	4,326.92	0	3,998.80	0	3,669.30	0	3,339.36	0	3,009.42	0	2,679.49	0	2,349.55	0	2,019.49	0	1,689.34	0
1/4	1/4	4,320.13	1/4	3,991.96	1/4	3,662.43	1/4	3,332.49	1/4	3,002.55	1/4	2,672.61	1/4	2,342.67	1/4	2,012.61	1/4	1,682.46	1/4
1/2	1/2	4,313.34	1/2	3,985.12	1/2	3,655.55	1/2	3,325.61	1/2	2,995.68	1/2	2,665.74	1/2	2,335.80	1/2	2,005.74	1/2	1,675.58	1/2
3/4	3/4	4,306.54	3/4	3,978.28	3/4	3,648.68	3/4	3,318.74	3/4	2,988.80	3/4	2,658.86	3/4	2,328.93	3/4	1,998.86	3/4	1,668.70	3/4
1	1	4,299.73	1	3,971.44	1	3,641.80	1	3,311.87	1	2,981.93	1	2,651.99	1	2,322.05	1	1,991.98	1	1,661.83	1
1/4	1/4	4,292.93	1/4	3,964.60	1/4	3,634.93	1/4	3,304.99	1/4	2,975.06	1/4	2,645.12	1/4	2,313.18	1/4	1,985.10	1/4	1,654.95	1/4
1/2	1/2	4,286.13	1/2	3,957.76	1/2	3,628.16	1/2	3,298.12	1/2	2,968.18	1/2	2,638.24	1/2	2,303.31	1/2	1,978.22	1/2	1,648.07	1/2
3/4	3/4	4,279.29	3/4	3,950.91	3/4	3,621.18	3/4	3,291.25	3/4	2,961.31	3/4	2,631.37	3/4	2,301.43	3/4	1,971.34	3/4	1,641.19	3/4
2	2	4,272.45	2	3,944.07	2	3,614.31	2	3,284.37	2	2,954.43	2	2,624.50	2	2,294.56	2	1,964.47	2	1,634.31	2
1/4	1/4	4,265.61	1/4	3,937.23	1/4	3,607.44	1/4	3,277.50	1/4	2,947.56	1/4	2,617.62	1/4	2,287.69	1/4	1,957.59	1/4	1,627.43	1/4
1/2	1/2	4,258.76	1/2	3,930.39	1/2	3,600.56	1/2	3,270.62	1/2	2,940.69	1/2	2,610.75	1/2	2,280.81	1/2	1,950.71	1/2	1,620.56	1/2
3/4	3/4	4,251.92	3/4	3,923.54	3/4	3,593.69	3/4	3,263.75	3/4	2,933.81	3/4	2,603.88	3/4	2,273.94	3/4	1,943.83	3/4	1,613.68	3/4
3	3	4,245.08	3	3,916.70	3	3,586.81	3	3,256.88	3	2,926.94	3	2,597.00	3	2,267.06	3	1,936.95	3	1,606.80	3
1/4	1/4	4,238.24	1/4	3,909.85	1/4	3,579.94	1/4	3,250.00	1/4	2,920.07	1/4	2,590.13	1/4	2,260.19	1/4	1,930.08	1/4	1,599.92	1/4
1/2	1/2	4,231.40	1/2	3,903.00	1/2	3,573.07	1/2	3,243.13	1/2	2,913.19	1/2	2,583.25	1/2	2,253.32	1/2	1,923.20	1/2	1,593.04	1/2
3/4	3/4	4,224.56	3/4	3,896.13	3/4	3,566.19	3/4	3,236.26	3/4	2,906.32	3/4	2,576.38	3/4	2,246.44	3/4	1,916.32	3/4	1,586.17	3/4
4	4	4,217.72	4	3,889.26	4	3,559.32	4	3,229.38	4	2,899.44	4	2,569.51	4	2,239.57	4	1,909.44	4	1,579.29	4
1/4	1/4	4,210.88	1/4	3,882.38	1/4	3,552.45	1/4	3,222.51	1/4	2,892.57	1/4	2,562.63	1/4	2,232.70	1/4	1,902.56	1/4	1,572.41	1/4
1/2	1/2	4,204.04	1/2	3,875.51	1/2	3,545.57	1/2	3,215.63	1/2	2,885.70	1/2	2,555.76	1/2	2,225.82	1/2	1,895.68	1/2	1,565.53	1/2
3/4	3/4	4,197.19	3/4	3,868.64	3/4	3,538.70	3/4	3,208.76	3/4	2,878.82	3/4	2,548.89	3/4	2,218.95	3/4	1,888.81	3/4	1,558.65	3/4
5	5	4,190.35	5	3,861.76	5	3,531.82	5	3,201.89	5	2,871.95	5	2,542.01	5	2,212.07	5	1,881.93	5	1,551.77	5
1/4	1/4	4,183.51	1/4	3,854.89	1/4	3,524.95	1/4	3,195.01	1/4	2,865.08	1/4	2,535.14	1/4	2,205.20	1/4	1,875.05	1/4	1,544.90	1/4
1/2	1/2	4,176.67	1/2	3,848.02	1/2	3,518.08	1/2	3,188.14	1/2	2,858.20	1/2	2,528.26	1/2	2,198.33	1/2	1,868.17	1/2	1,538.02	1/2
3/4	3/4	4,169.83	3/4	3,841.14	3/4	3,511.20	3/4	3,181.27	3/4	2,851.33	3/4	2,521.39	3/4	2,191.45	3/4	1,861.29	3/4	1,531.14	3/4
6	6	4,162.99	6	3,834.27	6	3,504.33	6	3,174.39	6	2,844.45	6	2,514.52	6	2,184.57	6	1,854.42	6	1,524.26	6
1/4	1/4	4,156.15	1/4	3,827.39	1/4	3,497.46	1/4	3,167.52	1/4	2,837.58	1/4	2,507.64	1/4	2,177.69	1/4	1,847.54	1/4	1,517.38	1/4
1/2	1/2	4,149.31	1/2	3,820.52	1/2	3,490.58	1/2	3,160.65	1/2	2,830.71	1/2	2,500.77	1/2	2,170.81	1/2	1,840.66	1/2	1,510.51	1/2
3/4	3/4	4,142.47	3/4	3,813.65	3/4	3,483.71	3/4	3,153.77	3/4	2,823.83	3/4	2,493.90	3/4	2,163.93	3/4	1,833.78	3/4	1,503.63	3/4
7	7	4,135.62	7	3,806.77	7	3,476.84	7	3,146.90	7	2,816.96	7	2,487.02	7	2,157.06	7	1,826.90	7	1,496.75	7
1/4	1/4	4,128.78	1/4	3,799.90	1/4	3,469.96	1/4	3,140.02	1/4	2,810.09	1/4	2,480.15	1/4	2,150.18	1/4	1,820.02	1/4	1,489.87	1/4
1/2	1/2	4,121.94	1/2	3,793.03	1/2	3,463.09	1/2	3,133.15	1/2	2,803.21	1/2	2,473.28	1/2	2,143.30	1/2	1,813.15	1/2	1,482.99	1/2
3/4	3/4	4,115.10	3/4	3,786.15	3/4	3,456.21	3/4	3,126.28	3/4	2,796.34	3/4	2,466.40	3/4	2,136.42	3/4	1,806.27	3/4	1,476.11	3/4
8	8	4,108.26	8	3,779.28	8	3,449.34	8	3,119.40	8	2,789.47	8	2,459.53	8	2,129.54	8	1,799.39	8	1,469.24	8
1/4	1/4	4,101.42	1/4	3,772.40	1/4	3,442.47	1/4	3,112.53	1/4	2,782.59	1/4	2,452.65	1/4	2,122.67	1/4	1,792.51	1/4	1,462.36	1/4
1/2	1/2	4,094.58	1/2	3,765.53	1/2	3,435.59	1/2	3,105.66	1/2	2,775.72	1/2	2,445.78	1/2	2,115.79	1/2	1,785.63	1/2	1,455.48	1/2
3/4	3/4	4,087.74	3/4	3,758.66	3/4	3,428.72	3/4	3,098.78	3/4	2,768.84	3/4	2,438.91	3/4	2,108.91	3/4	1,778.76	3/4	1,448.60	3/4
9	9	4,080.90	9	3,751.78	9	3,421.85	9	3,091.91	9	2,761.97	9	2,432.03	9	2,102.03	9	1,771.88	9	1,441.72	9
1/4	1/4	4,074.05	1/4	3,744.91	1/4	3,414.97	1/4	3,085.03	1/4	2,755.10	1/4	2,425.16	1/4	2,095.15	1/4	1,765.00	1/4	1,434.85	1/4
1/2	1/2	4,067.21	1/2	3,738.04	1/2	3,408.10	1/2	3,078.22	1/2	2,748.22	1/2	2,418.29	1/2	2,088.27	1/2	1,755.12	1/2	1,427.97	1/2
3/4	3/4	4,060.37	3/4	3,731.16	3/4	3,401.22	3/4	3,071.29	3/4	2,741.35	3/4	2,411.41	3/4	2,081.40	3/4	1,751.24	3/4	1,421.09	3/4
10	10	4,053.53	10	3,724.29	10	3,394.35	10	3,064.41	10	2,734.48	10	2,404.54	10	2,074.52	10	1,744.36	10	1,414.21	10
1/4	1/4	4,046.69	1/4	3,717.41	1/4	3,387.48	1/4	3,057.54	1/4	2,727.60	1/4	2,397.66	1/4	2,067.64	1/4	1,737.49	1/4	1,407.33	1/4
1/2	1/2	4,039.85	1/2	3,710.54	1/2	3,380.60	1/2	3,050.67	1/2	2,720.73	1/2	2,390.79	1/2	2,060.76	1/2	1,730.61	1/2	1,400.45	1/2
3/4	3/4	4,033.01	3/4	3,703.67	3/4	3,373.73	3/4	3,043.79	3/4	2,713.85	3/4	2,383.92	3/4	2,053.88	3/4	1,723.73	3/4	1,393.58	3/4
11	11	4,026.17	11	3,696.79	11	3,366.86	11	3,036.92	11	2,706.98	11	2,377.04	11	2,047.01	11	1,716.85	11	1,386.71	11
1/4	1/4	4,019.33	1/4	3,689.92	1/4	3,359.98	1/4	3,030.04	1/4	2,700.11	1/4	2,370.17	1/4	2,040.13	1/4	1,709.97	1/4	1,379.85	1/4
1/2	1/2	4,012.48	1/2	3,683.05	1/2	3,353.11	1/2	3,023.17	1/2	2,693.23	1/2	2,363.30	1/2	2,033.25	1/2	1,703.10	1/2	1,372.98	1/2
3/4	3/4	4,005.64	3/4	3,676.17	3/4	3,346.24	3/4	3,016.30	3/4	2,686.36	3/4	2,356.42	3/4	2,026.37	3/4	1,696.22	3/4	1,366.13	3/4

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 ONLY APPLIES 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'-03" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "EMS 3054"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS & 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
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
 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 77688
<http://www.pmacorp.net>



BARGE "EMS 3054"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	5,185.05	0	4,798.67	0	4,410.64	0	4,022.16	0	3,633.68	0	3,245.20	0	2,856.73	0	2,468.09	0	2,079.36	
1/4	1/4	5,177.06	1/4	4,790.61	1/4	4,404.07	1/4	4,014.07	1/4	3,625.59	1/4	3,237.11	1/4	2,848.63	1/4	2,459.99	1/4	2,071.26	
1/2	1/2	5,169.05	1/2	4,782.56	1/2	4,394.45	1/2	4,005.98	1/2	3,617.50	1/2	3,229.02	1/2	2,840.54	1/2	2,451.89	1/2	2,063.16	
3/4	3/4	5,161.04	3/4	4,774.50	3/4	4,386.36	3/4	3,997.88	3/4	3,609.40	3/4	3,220.92	3/4	2,832.45	3/4	2,443.79	3/4	2,055.06	
1	1	5,153.03	1	4,766.45	1	4,378.27	1	3,989.79	1	3,601.31	1	3,212.83	1	2,824.35	1	2,435.69	1	2,046.96	
1/4	1/4	5,145.02	1/4	4,758.39	1/4	4,370.17	1/4	3,981.70	1/4	3,593.22	1/4	3,204.74	1/4	2,816.26	1/4	2,427.60	1/4	2,038.86	
1/2	1/2	5,136.94	1/2	4,750.34	1/2	4,362.08	1/2	3,973.02	1/2	3,585.12	1/2	3,196.65	1/2	2,808.17	1/2	2,419.50	1/2	2,030.76	
3/4	3/4	5,128.91	3/4	4,742.28	3/4	4,353.99	3/4	3,965.51	3/4	3,577.03	3/4	3,188.55	3/4	2,800.07	3/4	2,411.40	3/4	2,022.67	
2	2	5,120.86	2	4,734.23	2	4,345.89	2	3,957.42	2	3,568.94	2	3,180.46	2	2,791.98	2	2,403.30	2	2,014.57	
1/4	1/4	5,112.80	1/4	4,726.17	1/4	4,337.80	1/4	3,949.32	1/4	3,560.84	1/4	3,172.37	1/4	2,783.89	1/4	2,395.20	1/4	2,006.47	
1/2	1/2	5,104.75	1/2	4,718.11	1/2	4,329.71	1/2	3,941.23	1/2	3,552.75	1/2	3,164.27	1/2	2,775.79	1/2	2,387.10	1/2	1,998.37	
3/4	3/4	5,096.70	3/4	4,710.04	3/4	4,321.61	3/4	3,933.14	3/4	3,544.66	3/4	3,156.18	3/4	2,767.70	3/4	2,379.00	3/4	1,990.27	
3	3	5,088.64	3	4,701.97	3	4,313.52	3	3,925.04	3	3,536.56	3	3,148.09	3	2,759.61	3	2,370.90	3	1,982.17	
1/4	1/4	5,080.59	1/4	4,693.91	1/4	4,305.43	1/4	3,916.95	1/4	3,528.47	1/4	3,139.99	1/4	2,751.51	1/4	2,362.81	1/4	1,974.07	
1/2	1/2	5,072.53	1/2	4,685.81	1/2	4,297.33	1/2	3,908.86	1/2	3,520.38	1/2	3,131.90	1/2	2,743.42	1/2	2,354.71	1/2	1,965.97	
3/4	3/4	5,064.48	3/4	4,677.72	3/4	4,289.24	3/4	3,900.76	3/4	3,512.28	3/4	3,123.81	3/4	2,735.33	3/4	2,346.61	3/4	1,957.88	
4	4	5,056.42	4	4,669.63	4	4,281.15	4	3,892.67	4	3,504.19	4	3,115.71	4	2,727.23	4	2,338.51	4	1,949.78	
1/4	1/4	5,048.37	1/4	4,661.53	1/4	4,273.05	1/4	3,884.58	1/4	3,496.10	1/4	3,107.62	1/4	2,719.14	1/4	2,330.41	1/4	1,941.68	
1/2	1/2	5,040.31	1/2	4,653.44	1/2	4,264.96	1/2	3,876.48	1/2	3,488.00	1/2	3,099.53	1/2	2,711.04	1/2	2,322.31	1/2	1,933.58	
3/4	3/4	5,032.26	3/4	4,645.35	3/4	4,256.87	3/4	3,868.39	3/4	3,479.91	3/4	3,091.43	3/4	2,702.95	3/4	2,314.21	3/4	1,925.48	
5	5	5,024.20	5	4,637.25	5	4,248.77	5	3,860.30	5	3,471.82	5	3,083.34	5	2,694.85	5	2,306.12	5	1,917.38	
1/4	1/4	5,016.15	1/4	4,629.16	1/4	4,240.68	1/4	3,852.20	1/4	3,463.72	1/4	3,075.25	1/4	2,686.75	1/4	2,298.02	1/4	1,909.28	
1/2	1/2	5,008.09	1/2	4,621.07	1/2	4,232.59	1/2	3,844.11	1/2	3,455.63	1/2	3,067.15	1/2	2,678.65	1/2	2,289.92	1/2	1,901.19	
3/4	3/4	5,000.04	3/4	4,612.97	3/4	4,224.49	3/4	3,836.02	3/4	3,447.54	3/4	3,059.06	3/4	2,670.55	3/4	2,281.82	3/4	1,893.09	
6	6	4,991.98	6	4,604.88	6	4,216.40	6	3,827.92	6	3,439.44	6	3,050.97	6	2,662.45	6	2,273.72	6	1,884.99	
1/4	1/4	4,983.93	1/4	4,596.79	1/4	4,208.31	1/4	3,819.83	1/4	3,431.35	1/4	3,042.87	1/4	2,654.36	1/4	2,265.62	1/4	1,876.89	
1/2	1/2	4,975.87	1/2	4,588.69	1/2	4,200.21	1/2	3,811.74	1/2	3,423.26	1/2	3,034.78	1/2	2,646.26	1/2	2,257.52	1/2	1,868.79	
3/4	3/4	4,967.82	3/4	4,580.60	3/4	4,192.12	3/4	3,803.64	3/4	3,415.16	3/4	3,026.69	3/4	2,639.16	3/4	2,249.43	3/4	1,860.69	
7	7	4,959.76	7	4,572.51	7	4,184.03	7	3,795.55	7	3,407.07	7	3,018.59	7	2,630.06	7	2,241.33	7	1,852.59	
1/4	1/4	4,951.71	1/4	4,564.41	1/4	4,175.93	1/4	3,787.46	1/4	3,398.98	1/4	3,010.50	1/4	2,621.96	1/4	2,233.23	1/4	1,844.50	
1/2	1/2	4,943.65	1/2	4,556.32	1/2	4,167.84	1/2	3,779.36	1/2	3,390.88	1/2	3,002.41	1/2	2,613.86	1/2	2,225.13	1/2	1,836.40	
3/4	3/4	4,935.60	3/4	4,548.23	3/4	4,159.75	3/4	3,771.27	3/4	3,382.79	3/4	2,994.31	3/4	2,605.76	3/4	2,217.03	3/4	1,828.30	
8	8	4,927.54	8	4,540.13	8	4,151.65	8	3,763.18	8	3,374.70	8	2,986.22	8	2,597.67	8	2,208.93	8	1,820.20	
1/4	1/4	4,919.49	1/4	4,532.04	1/4	4,143.56	1/4	3,755.08	1/4	3,366.60	1/4	2,978.13	1/4	2,589.57	1/4	2,200.83	1/4	1,812.10	
1/2	1/2	4,911.43	1/2	4,523.95	1/2	4,135.47	1/2	3,746.99	1/2	3,358.51	1/2	2,970.03	1/2	2,581.47	1/2	2,192.74	1/2	1,804.00	
3/4	3/4	4,903.38	3/4	4,515.85	3/4	4,127.37	3/4	3,738.90	3/4	3,350.42	3/4	2,961.94	3/4	2,573.37	3/4	2,184.64	3/4	1,795.90	
9	9	4,895.33	9	4,507.76	9	4,119.28	9	3,730.80	9	3,342.32	9	2,953.85	9	2,565.27	9	2,176.54	9	1,787.81	
1/4	1/4	4,887.27	1/4	4,499.67	1/4	4,111.19	1/4	3,722.71	1/4	3,334.23	1/4	2,945.75	1/4	2,557.17	1/4	2,168.44	1/4	1,779.71	
1/2	1/2	4,879.22	1/2	4,491.57	1/2	4,103.09	1/2	3,714.62	1/2	3,326.14	1/2	2,937.66	1/2	2,549.07	1/2	2,160.34	1/2	1,771.61	
3/4	3/4	4,871.16	3/4	4,483.48	3/4	4,095.00	3/4	3,706.52	3/4	3,318.04	3/4	2,929.57	3/4	2,540.98	3/4	2,152.24	3/4	1,763.51	
10	10	4,863.11	10	4,475.39	10	4,086.91	10	3,698.43	10	3,309.95	10	2,921.47	10	2,532.88	10	2,144.14	10	1,755.41	
1/4	1/4	4,855.05	1/4	4,467.29	1/4	4,078.81	1/4	3,690.34	1/4	3,301.86	1/4	2,913.38	1/4	2,524.78	1/4	2,136.05	1/4	1,747.31	
1/2	1/2	4,847.00	1/2	4,459.20	1/2	4,070.72	1/2	3,682.24	1/2	3,293.76	1/2	2,905.29	1/2	2,516.68	1/2	2,127.95	1/2	1,739.26	
3/4	3/4	4,838.94	3/4	4,451.11	3/4	4,062.63	3/4	3,674.15	3/4	3,285.67	3/4	2,897.19	3/4	2,508.58	3/4	2,119.85	3/4	1,731.21	
11	11	4,830.89	11	4,443.01	11	4,054.53	11	3,666.06	11	3,277.58	11	2,889.10	11	2,500.48	11	2,111.75	11	1,723.16	
1/4	1/4	4,822.83	1/4	4,434.92	1/4	4,046.44	1/4	3,657.96	1/4	3,269.48	1/4	2,881.01	1/4	2,492.38	1/4	2,103.65	1/4	1,715.11	
1/2	1/2	4,814.78	1/2	4,426.83	1/2	4,038.35	1/2	3,649.87	1/2	3,261.39	1/2	2,872.91	1/2	2,484.29	1/2	2,095.55	1/2	1,707.19	
3/4	3/4	4,806.72	3/4	4,418.73	3/4	4,030.25	3/4	3,641.78	3/4	3,253.30	3/4	2,864.82	3/4	2,476.19	3/4	2,087.45	3/4	1,699.28	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPNS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.
GAUGE POINT: (10" HATCH) LOCATED 12'-08" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
Pearland, Texas 77568
P.O. Box 2092
<http://www.pmacorp.net>



BARGE "EMS 3054"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,691.37	0	1,308.27	0	929.32	0	530.82	0	158.14	0	0	0	0	0	0	0	0	0	0
1/4	1,683.46	1/4	1,300.41	1/4	921.23	1/4	522.76	1/4	150.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,659.72	1	1,276.85	1	896.94	1	508.95	1	126.42	1	1	1	1	1	1	1	1	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	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,628.07	2	1,245.44	2	864.55	2	477.21	2	95.20	2	2	2	2	2	2	2	2	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	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,596.43	3	1,214.03	3	832.17	3	445.48	3	66.68	3	3	3	3	3	3	3	3	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	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,564.78	4	1,182.62	4	799.78	4	413.76	4	43.06	4	4	4	4	4	4	4	4	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	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,532.99	5	1,151.21	5	767.40	5	382.04	5	24.83	5	5	5	5	5	5	5	5	5	5
1/4	1,525.03	1/4	1,143.36	1/4	759.30	1/4	374.11	1/4	20.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,516.93	1/2	1,135.51	1/2	751.20	1/2	366.18	1/2	16.40	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,508.84	3/4	1,127.66	3/4	743.11	3/4	358.25	3/4	12.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,500.74	6	1,119.81	6	735.01	6	350.32	6	8.00	6	6	6	6	6	6	6	6	6	6
1/4	1,492.64	1/4	1,111.95	1/4	726.92	1/4	342.39	1/4	4.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,484.54	1/2	1,104.10	1/2	718.82	1/2	334.45	1/2	0.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,476.44	3/4	1,096.25	3/4	710.72	3/4	326.52	3/4	0.40	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,468.34	7	1,088.39	7	702.63	7	318.59	7	0.20	7	7	7	7	7	7	7	7	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	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,435.95	8	1,056.98	8	670.24	8	286.76	8	0.00	8	8	8	8	8	8	8	8	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	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,403.55	9	1,025.55	9	637.86	9	254.53	9	0.00	9	9	9	9	9	9	9	9	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	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,371.33	10	993.92	10	605.47	10	222.20	10	0.00	10	10	10	10	10	10	10	10	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	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,339.70	11	961.71	11	573.09	11	189.98	11	0.00	11	11	11	11	11	11	11	11	11	11
1/4	1,331.83	1/4	953.61	1/4	565.00	1/4	181.93	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	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.pmatcorp.net>



BARGE "EMS 3054"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-04 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
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	2,452.65	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	3,592.18	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	3,131.58	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	3,115.42	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	2,290.93	5	1,902.80		
1/4	1/4	5,363.16	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	1/4	1,894.71
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	1/2	1,886.63
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	3/4	1,878.54
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	2,256.58	6	1,870.45
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	1/4	1,862.37
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	2,624.41	1/2	2,244.41	1/2	1,854.28
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	2,622.45	3/4	2,234.32	3/4	1,846.20
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	7	1,838.11
1/4	1/4	5,315.61	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	1/4	1,830.02
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	1/2	1,821.94
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	2,201.98	3/4	1,813.85
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	8	1,805.77
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	1/4	1,797.68
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	1/2	1,789.59
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	3/4	1,781.51
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	9	1,773.42
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	1/4	1,765.34
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	1/2	1,757.25
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	3/4	1,749.16
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	10	1,741.08
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	1/4	1,732.99
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	1/2	1,724.91
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	3/4	1,716.82
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	11	1,708.73
1/4	1/4	5,189.40	1/4	4,803.74	1/4	4,416.41	1/4	4,028.54	1/4	3,640.57	1/4	3,252.79	1/4	2,864.92	1/4	2,476.90	1/4	2,088.78	1/4	1,700.65
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	1/2	1,692.56
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	3/4	1,684.48

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 ONLY APPLIES 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 41'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "EMS 3054"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	1,676.39	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	1,284.22	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	1,276.54	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	1,268.87	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	1,199.36	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.pmacorp.net>



BARGE "EMS 3054"

3 PORT ULLAGE 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
0	0	3,874.48	0	3,688.97	0	3,502.71	0	3,316.26	0	3,129.82	0	2,943.37	0	2,756.92	0	2,570.47	0	2,384.02	0	2,197.57
1/4	1/4	3,870.64	1/4	3,685.11	1/4	3,498.82	1/4	3,312.38	1/4	3,125.93	1/4	2,939.49	1/4	2,753.04	1/4	2,566.59	1/4	2,380.14	1/4	2,193.69
1/2	1/2	3,866.80	1/2	3,681.24	1/2	3,494.94	1/2	3,308.49	1/2	3,122.05	1/2	2,935.60	1/2	2,749.15	1/2	2,562.70	1/2	2,376.25	1/2	2,189.80
3/4	3/4	3,862.95	3/4	3,677.37	3/4	3,491.06	3/4	3,304.61	3/4	3,118.16	3/4	2,931.72	3/4	2,745.27	3/4	2,558.82	3/4	2,371.92	3/4	2,185.47
1	1	3,859.11	1	3,673.51	1	3,487.17	1	3,300.73	1	3,114.28	1	2,927.83	1	2,741.38	1	2,554.93	1	2,368.48	1	2,182.03
1/4	1/4	3,855.24	1/4	3,669.64	1/4	3,483.29	1/4	3,296.84	1/4	3,110.39	1/4	2,923.95	1/4	2,737.45	1/4	2,550.95	1/4	2,364.50	1/4	2,178.05
1/2	1/2	3,851.38	1/2	3,665.77	1/2	3,479.40	1/2	3,292.94	1/2	3,106.51	1/2	2,920.06	1/2	2,733.56	1/2	2,547.06	1/2	2,361.55	1/2	2,176.15
3/4	3/4	3,847.51	3/4	3,661.91	3/4	3,475.52	3/4	3,289.07	3/4	3,102.63	3/4	2,916.18	3/4	2,729.68	3/4	2,543.18	3/4	2,359.73	3/4	2,172.23
2	2	3,843.64	2	3,658.04	2	3,471.63	2	3,285.19	2	3,098.74	2	2,912.30	2	2,725.80	2	2,539.30	2	2,352.85	2	2,166.40
1/4	1/4	3,839.78	1/4	3,654.17	1/4	3,467.75	1/4	3,281.30	1/4	3,094.86	1/4	2,908.42	1/4	2,721.92	1/4	2,535.42	1/4	2,348.97	1/4	2,162.52
1/2	1/2	3,835.91	1/2	3,650.29	1/2	3,463.87	1/2	3,277.42	1/2	3,090.97	1/2	2,904.55	1/2	2,718.05	1/2	2,531.55	1/2	2,345.10	1/2	2,158.65
3/4	3/4	3,832.04	3/4	3,646.42	3/4	3,459.98	3/4	3,273.54	3/4	3,087.09	3/4	2,900.68	3/4	2,713.18	3/4	2,526.18	3/4	2,339.73	3/4	2,155.28
3	3	3,828.18	3	3,642.54	3	3,456.10	3	3,269.65	3	3,083.20	3	2,896.81	3	2,709.81	3	2,522.81	3	2,336.36	3	2,151.91
1/4	1/4	3,824.31	1/4	3,638.66	1/4	3,452.21	1/4	3,265.77	1/4	3,079.32	1/4	2,892.97	1/4	2,705.97	1/4	2,518.97	1/4	2,331.97	1/4	2,148.02
1/2	1/2	3,820.44	1/2	3,634.78	1/2	3,448.33	1/2	3,261.88	1/2	3,075.44	1/2	2,889.14	1/2	2,702.14	1/2	2,515.14	1/2	2,328.14	1/2	2,144.19
3/4	3/4	3,816.58	3/4	3,630.99	3/4	3,444.44	3/4	3,258.00	3/4	3,071.55	3/4	2,885.31	3/4	2,700.31	3/4	2,513.31	3/4	2,325.31	3/4	2,140.31
4	4	3,812.71	4	3,627.01	4	3,440.56	4	3,254.11	4	3,067.67	4	2,881.47	4	2,698.47	4	2,511.47	4	2,324.47	4	2,139.52
1/4	1/4	3,808.84	1/4	3,623.12	1/4	3,436.68	1/4	3,250.23	1/4	3,063.78	1/4	2,876.73	1/4	2,693.73	1/4	2,506.73	1/4	2,321.73	1/4	2,136.78
1/2	1/2	3,804.98	1/2	3,619.24	1/2	3,432.79	1/2	3,246.34	1/2	3,059.90	1/2	2,871.98	1/2	2,689.98	1/2	2,502.98	1/2	2,317.98	1/2	2,132.98
3/4	3/4	3,801.11	3/4	3,615.35	3/4	3,428.91	3/4	3,242.46	3/4	3,056.01	3/4	2,867.24	3/4	2,685.24	3/4	2,500.24	3/4	2,315.24	3/4	2,128.24
5	5	3,797.24	5	3,611.47	5	3,425.02	5	3,238.58	5	3,052.13	5	2,862.49	5	2,680.49	5	2,495.49	5	2,310.49	5	2,125.49
1/4	1/4	3,793.38	1/4	3,607.58	1/4	3,421.14	1/4	3,234.69	1/4	3,048.25	1/4	2,855.01	1/4	2,673.01	1/4	2,488.01	1/4	2,303.01	1/4	2,118.01
1/2	1/2	3,789.51	1/2	3,603.70	1/2	3,417.25	1/2	3,230.81	1/2	3,044.36	1/2	2,847.54	1/2	2,665.54	1/2	2,480.54	1/2	2,295.54	1/2	2,110.54
3/4	3/4	3,785.64	3/4	3,599.82	3/4	3,413.37	3/4	3,226.92	3/4	3,040.48	3/4	2,844.06	3/4	2,662.06	3/4	2,477.06	3/4	2,292.06	3/4	2,107.06
6	6	3,781.78	6	3,595.93	6	3,409.49	6	3,223.04	6	3,036.59	6	2,838.58	6	2,656.58	6	2,471.58	6	2,286.58	6	2,101.58
1/4	1/4	3,777.91	1/4	3,592.05	1/4	3,405.60	1/4	3,219.15	1/4	3,032.71	1/4	2,825.10	1/4	2,643.10	1/4	2,458.10	1/4	2,273.10	1/4	2,088.10
1/2	1/2	3,774.04	1/2	3,588.16	1/2	3,401.72	1/2	3,215.27	1/2	3,028.82	1/2	2,817.63	1/2	2,635.63	1/2	2,450.63	1/2	2,265.63	1/2	2,080.63
3/4	3/4	3,770.18	3/4	3,584.28	3/4	3,397.83	3/4	3,211.39	3/4	3,024.94	3/4	2,810.15	3/4	2,628.15	3/4	2,443.15	3/4	2,258.15	3/4	2,073.15
7	7	3,766.31	7	3,580.39	7	3,393.95	7	3,207.50	7	3,021.06	7	2,802.67	7	2,620.67	7	2,435.67	7	2,250.67	7	2,065.67
1/4	1/4	3,762.44	1/4	3,576.51	1/4	3,390.06	1/4	3,203.62	1/4	3,017.17	1/4	2,795.20	1/4	2,613.20	1/4	2,428.20	1/4	2,243.20	1/4	2,058.20
1/2	1/2	3,758.58	1/2	3,572.63	1/2	3,386.18	1/2	3,199.73	1/2	3,013.29	1/2	2,787.72	1/2	2,605.72	1/2	2,420.72	1/2	2,235.72	1/2	2,050.72
3/4	3/4	3,754.71	3/4	3,568.74	3/4	3,382.30	3/4	3,195.85	3/4	3,009.40	3/4	2,780.24	3/4	2,600.24	3/4	2,415.24	3/4	2,230.24	3/4	2,045.24
8	8	3,750.84	8	3,564.86	8	3,378.41	8	3,191.96	8	3,005.52	8	2,772.76	8	2,592.76	8	2,407.76	8	2,222.76	8	2,037.76
1/4	1/4	3,746.97	1/4	3,560.97	1/4	3,374.53	1/4	3,188.08	1/4	3,001.63	1/4	2,765.29	1/4	2,585.29	1/4	2,400.29	1/4	2,215.29	1/4	2,030.29
1/2	1/2	3,743.11	1/2	3,557.09	1/2	3,370.64	1/2	3,184.20	1/2	2,997.75	1/2	2,757.81	1/2	2,577.81	1/2	2,392.81	1/2	2,207.81	1/2	2,022.81
3/4	3/4	3,739.24	3/4	3,553.20	3/4	3,366.76	3/4	3,180.31	3/4	2,993.87	3/4	2,753.33	3/4	2,573.33	3/4	2,388.33	3/4	2,203.33	3/4	2,018.33
9	9	3,735.37	9	3,549.32	9	3,362.87	9	3,176.43	9	2,989.98	9	2,742.85	9	2,562.85	9	2,377.85	9	2,192.85	9	2,007.85
1/4	1/4	3,731.51	1/4	3,545.44	1/4	3,358.99	1/4	3,172.54	1/4	2,986.10	1/4	2,735.38	1/4	2,555.38	1/4	2,370.38	1/4	2,185.38	1/4	1,999.38
1/2	1/2	3,727.64	1/2	3,541.55	1/2	3,355.11	1/2	3,168.66	1/2	2,982.21	1/2	2,727.90	1/2	2,547.90	1/2	2,362.90	1/2	2,177.90	1/2	1,992.90
3/4	3/4	3,723.77	3/4	3,537.67	3/4	3,351.22	3/4	3,164.77	3/4	2,978.33	3/4	2,720.42	3/4	2,540.42	3/4	2,355.42	3/4	2,170.42	3/4	1,985.42
10	10	3,719.91	10	3,533.78	10	3,347.34	10	3,160.89	10	2,974.44	10	2,712.94	10	2,532.94	10	2,347.94	10	2,162.94	10	1,977.94
1/4	1/4	3,716.04	1/4	3,529.90	1/4	3,343.45	1/4	3,157.01	1/4	2,970.56	1/4	2,705.47	1/4	2,525.47	1/4	2,340.47	1/4	2,155.47	1/4	1,970.47
1/2	1/2	3,712.17	1/2	3,526.01	1/2	3,339.57	1/2	3,153.12	1/2	2,966.68	1/2	2,697.99	1/2	2,512.99	1/2	2,327.99	1/2	2,142.99	1/2	1,957.99
3/4	3/4	3,708.31	3/4	3,522.13	3/4	3,335.68	3/4	3,149.24	3/4	2,962.79	3/4	2,690.51	3/4	2,505.51	3/4	2,320.51	3/4	2,135.51	3/4	1,950.51
11	11	3,704.44	11	3,518.25	11	3,331.80	11	3,145.35	11	2,958.91	11	2,683.04	11	2,502.04	11	2,317.04	11	2,132.04	11	1,947.04
1/4	1/4	3,700.57	1/4	3,514.36	1/4	3,327.92	1/4	3,141.47	1/4	2,955.02	1/4	2,678.15	1/4	2,497.15	1/4	2,312.15	1/4	2,127.15	1/4	1,942.15
1/2	1/2	3,696.71	1/2	3,510.48	1/2	3,324.03	1/2	3,137.58	1/2	2,951.14	1/2	2,668.08	1/2	2,487.08	1/2	2,302.08	1/2	2,117.08	1/2	1,932.08
3/4	3/4	3,692.84	3/4	3,506.59	3/4	3,320.15	3/4	3,133.70	3/4	2,947.25	3/4	2,660.60	3/4	2,482.60	3/4	2,297.60	3/4	2,112.60	3/4	1,927.60

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPWS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.

GAUGE POINT: (10" HATCH) LOCATED 12'-03" OFF CENTERLINE AND 54'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
Pasland, Texas 77688
<http://www.pmacorp.net>

[Signature]



BARGE "EMS 3054"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	1,572.92	0	1,216.00	0	857.36	0	496.29	0	140.64	0		0		0		0		0	
1/4	1,565.58	1/4	1,208.55	1/4	849.84	1/4	488.91	1/4	133.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,558.23	1/2	1,201.10	1/2	842.31	1/2	481.53	1/2	125.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,550.88	3/4	1,193.65	3/4	834.79	3/4	474.15	3/4	118.53	3/4		3/4		3/4		3/4		3/4	
1	1,543.53	1	1,186.20	1	827.26	1	466.77	1	111.15	1		1		1		1		1	
1/4	1,536.18	1/4	1,178.75	1/4	819.74	1/4	459.39	1/4	103.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,528.83	1/2	1,171.30	1/2	812.21	1/2	452.02	1/2	96.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,521.48	3/4	1,163.85	3/4	804.69	3/4	444.64	3/4	89.51	3/4		3/4		3/4		3/4		3/4	
2	1,514.14	2	1,156.41	2	797.16	2	437.26	2	82.30	2		2		2		2		2	
1/4	1,506.79	1/4	1,148.96	1/4	789.64	1/4	429.89	1/4	75.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,499.44	1/2	1,141.51	1/2	782.11	1/2	422.52	1/2	69.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,492.09	3/4	1,134.06	3/4	774.59	3/4	415.14	3/4	63.01	3/4		3/4		3/4		3/4		3/4	
3	1,484.74	3	1,126.61	3	767.06	3	407.77	3	56.59	3		3		3		3		3	
1/4	1,477.39	1/4	1,119.16	1/4	759.54	1/4	400.40	1/4	51.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,470.04	1/2	1,111.71	1/2	752.01	1/2	393.03	1/2	46.24	1/2		1/2		1/2		1/2		1/2	
3/4	1,462.69	3/4	1,104.26	3/4	744.48	3/4	385.65	3/4	41.07	3/4		3/4		3/4		3/4		3/4	
4	1,455.35	4	1,096.81	4	736.96	4	378.28	4	35.90	4		4		4		4		4	
1/4	1,447.95	1/4	1,089.37	1/4	729.43	1/4	370.91	1/4	31.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,440.56	1/2	1,081.92	1/2	721.91	1/2	363.53	1/2	28.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,433.17	3/4	1,074.47	3/4	714.38	3/4	356.16	3/4		3/4		3/4		3/4		3/4		3/4	
5	1,425.78	5	1,067.02	5	706.86	5	348.79	5		5		5		5		5		5	
1/4	1,418.25	1/4	1,059.57	1/4	699.33	1/4	341.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,410.73	1/2	1,052.12	1/2	691.81	1/2	334.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,403.20	3/4	1,044.67	3/4	684.28	3/4	326.67	3/4		3/4		3/4		3/4		3/4		3/4	
6	1,395.68	6	1,037.22	6	676.76	6	319.30	6		6		6		6		6		6	
1/4	1,388.15	1/4	1,029.77	1/4	669.23	1/4	311.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,380.63	1/2	1,022.33	1/2	661.71	1/2	304.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,373.11	3/4	1,014.88	3/4	654.18	3/4	297.18	3/4		3/4		3/4		3/4		3/4		3/4	
7	1,365.58	7	1,007.43	7	646.66	7	289.80	7		7		7		7		7		7	
1/4	1,358.07	1/4	999.96	1/4	639.13	1/4	282.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,350.55	1/2	992.50	1/2	631.61	1/2	274.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,343.04	3/4	985.04	3/4	624.08	3/4	267.58	3/4		3/4		3/4		3/4		3/4		3/4	
8	1,335.52	8	977.58	8	616.56	8	260.17	8		8		8		8		8		8	
1/4	1,328.04	1/4	970.08	1/4	609.03	1/4	252.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,320.55	1/2	962.59	1/2	601.51	1/2	245.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,313.06	3/4	955.09	3/4	593.98	3/4	237.62	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,305.58	9	947.60	9	586.46	9	230.11	9		9		9		9		9		9	
1/4	1,298.10	1/4	940.09	1/4	578.93	1/4	222.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,290.62	1/2	932.58	1/2	571.41	1/2	215.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,283.13	3/4	925.07	3/4	563.88	3/4	207.56	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,275.65	10	917.56	10	556.35	10	200.05	10		10		10		10		10		10	
1/4	1,268.19	1/4	910.04	1/4	548.83	1/4	192.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,260.73	1/2	902.51	1/2	541.30	1/2	185.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,253.27	3/4	894.99	3/4	533.78	3/4	177.61	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,245.81	11	887.46	11	526.25	11	170.13	11		11		11		11		11		11	
1/4	1,238.36	1/4	879.94	1/4	518.76	1/4	162.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,230.91	1/2	872.41	1/2	511.27	1/2	155.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,223.46	3/4	864.89	3/4	503.78	3/4	148.01	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.pmacorp.net>



BARGE "EMS 3054"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-04 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
0	0	3,847.52	0	3,662.09	0	3,475.92	0	3,289.56	0	3,103.19	0	2,916.83	0	2,730.47	0	2,544.10	0	2,357.74	0	1,907.41
1/4	1/4	3,843.67	1/4	3,658.23	1/4	3,472.04	1/4	3,285.67	1/4	3,099.31	1/4	2,912.94	1/4	2,726.57	1/4	2,540.20	1/4	2,353.83	1/4	1,899.91
1/2	1/2	3,839.83	1/2	3,654.36	1/2	3,468.16	1/2	3,281.79	1/2	3,095.43	1/2	2,909.06	1/2	2,722.69	1/2	2,536.32	1/2	2,349.95	1/2	1,892.40
3/4	3/4	3,835.99	3/4	3,650.50	3/4	3,464.27	3/4	3,277.91	3/4	3,091.54	3/4	2,905.18	3/4	2,718.81	3/4	2,532.44	3/4	2,346.07	3/4	1,884.90
1	1	3,832.14	1	3,646.63	1	3,460.39	1	3,274.03	1	3,087.66	1	2,901.30	1	2,714.93	1	2,528.56	1	2,342.19	1	1,877.39
1/4	1/4	3,828.28	1/4	3,642.77	1/4	3,456.51	1/4	3,270.14	1/4	3,083.78	1/4	2,897.41	1/4	2,711.04	1/4	2,524.67	1/4	2,338.30	1/4	1,869.88
1/2	1/2	3,824.41	1/2	3,638.90	1/2	3,452.63	1/2	3,266.26	1/2	3,079.90	1/2	2,893.53	1/2	2,707.16	1/2	2,520.81	1/2	2,334.44	1/2	1,862.38
3/4	3/4	3,820.55	3/4	3,635.04	3/4	3,448.74	3/4	3,262.38	3/4	3,076.01	3/4	2,889.65	3/4	2,702.91	3/4	2,519.26	3/4	2,330.60	3/4	1,854.87
2	2	3,816.68	2	3,631.17	2	3,444.86	2	3,258.50	2	3,072.13	2	2,885.77	2	2,700.67	2	2,517.01	2	2,326.94	2	1,847.37
1/4	1/4	3,812.82	1/4	3,627.30	1/4	3,440.98	1/4	3,254.61	1/4	3,068.25	1/4	2,881.90	1/4	2,699.51	1/4	2,515.85	1/4	2,323.18	1/4	1,839.86
1/2	1/2	3,808.95	1/2	3,623.43	1/2	3,437.09	1/2	3,250.73	1/2	3,064.37	1/2	2,878.03	1/2	2,695.64	1/2	2,512.00	1/2	2,320.31	1/2	1,832.35
3/4	3/4	3,805.09	3/4	3,619.56	3/4	3,433.21	3/4	3,246.85	3/4	3,060.48	3/4	2,874.16	3/4	2,691.43	3/4	2,507.78	3/4	2,317.11	3/4	1,824.85
3	3	3,801.22	3	3,615.69	3	3,429.33	3	3,242.96	3	3,056.60	3	2,870.29	3	2,687.76	3	2,504.10	3	2,313.44	3	1,817.34
1/4	1/4	3,797.36	1/4	3,611.81	1/4	3,425.45	1/4	3,239.08	1/4	3,052.72	1/4	2,866.46	1/4	2,683.93	1/4	2,500.24	1/4	2,309.57	1/4	1,809.84
1/2	1/2	3,793.49	1/2	3,607.93	1/2	3,421.56	1/2	3,235.20	1/2	3,048.83	1/2	2,862.63	1/2	2,680.10	1/2	2,496.41	1/2	2,306.80	1/2	1,802.33
3/4	3/4	3,789.63	3/4	3,604.05	3/4	3,417.68	3/4	3,231.32	3/4	3,044.95	3/4	2,858.81	3/4	2,677.28	3/4	2,493.59	3/4	2,303.88	3/4	1,794.82
4	4	3,785.76	4	3,600.16	4	3,413.80	4	3,227.43	4	3,041.07	4	2,854.98	4	2,673.45	4	2,488.76	4	2,300.19	4	1,787.32
1/4	1/4	3,781.90	1/4	3,596.28	1/4	3,409.92	1/4	3,223.55	1/4	3,037.19	1/4	2,850.24	1/4	2,669.71	1/4	2,484.53	1/4	2,299.88	1/4	1,779.81
1/2	1/2	3,778.04	1/2	3,592.40	1/2	3,406.03	1/2	3,219.67	1/2	3,033.30	1/2	2,845.50	1/2	2,665.97	1/2	2,480.78	1/2	2,296.95	1/2	1,772.31
3/4	3/4	3,774.17	3/4	3,588.52	3/4	3,402.15	3/4	3,215.79	3/4	3,029.42	3/4	2,841.63	3/4	2,662.10	3/4	2,476.81	3/4	2,292.78	3/4	1,764.80
5	5	3,935.48	5	3,584.63	5	3,398.27	5	3,211.90	5	3,025.54	5	2,836.03	5	2,651.52	5	2,467.00	5	2,282.48	5	1,757.29
1/4	1/4	3,934.47	1/4	3,583.62	1/4	3,397.26	1/4	3,210.89	1/4	3,024.52	1/4	2,834.01	1/4	2,649.50	1/4	2,465.98	1/4	2,280.96	1/4	1,749.79
1/2	1/2	3,933.45	1/2	3,582.58	1/2	3,396.17	1/2	3,209.72	1/2	3,021.41	1/2	2,831.56	1/2	2,647.05	1/2	2,463.02	1/2	2,278.03	1/2	1,742.28
3/4	3/4	3,932.44	3/4	3,581.56	3/4	3,395.15	3/4	3,208.26	3/4	3,019.89	3/4	2,828.61	3/4	2,644.10	3/4	2,460.07	3/4	2,275.01	3/4	1,734.78
6	6	3,931.43	6	3,580.48	6	3,394.07	6	3,207.19	6	3,018.80	6	2,827.52	6	2,643.03	6	2,459.00	6	2,273.94	6	1,727.27
1/4	1/4	3,929.17	1/4	3,578.98	1/4	3,392.57	1/4	3,205.72	1/4	3,017.30	1/4	2,826.45	1/4	2,641.92	1/4	2,457.89	1/4	2,272.87	1/4	1,720.76
1/2	1/2	3,926.90	1/2	3,577.42	1/2	3,391.01	1/2	3,204.14	1/2	3,015.83	1/2	2,825.38	1/2	2,640.85	1/2	2,456.80	1/2	2,271.79	1/2	1,712.26
3/4	3/4	3,924.63	3/4	3,575.86	3/4	3,389.44	3/4	3,202.98	3/4	3,014.74	3/4	2,824.31	3/4	2,639.76	3/4	2,455.72	3/4	2,270.72	3/4	1,704.75
7	7	3,923.66	7	3,574.79	7	3,388.37	7	3,201.87	7	3,013.67	7	2,823.24	7	2,638.69	7	2,454.65	7	2,269.67	7	1,697.25
1/4	1/4	3,918.99	1/4	3,573.52	1/4	3,387.20	1/4	3,200.80	1/4	3,012.60	1/4	2,822.17	1/4	2,637.62	1/4	2,453.58	1/4	2,268.59	1/4	1,689.74
1/2	1/2	3,915.63	1/2	3,571.66	1/2	3,385.81	1/2	3,200.72	1/2	3,011.52	1/2	2,821.09	1/2	2,636.54	1/2	2,452.49	1/2	2,267.54	1/2	1,682.23
3/4	3/4	3,912.26	3/4	3,570.10	3/4	3,384.40	3/4	3,200.64	3/4	3,010.44	3/4	2,819.96	3/4	2,635.45	3/4	2,451.40	3/4	2,266.49	3/4	1,674.72
8	8	3,908.89	8	3,568.94	8	3,383.33	8	3,199.56	8	3,009.38	8	2,818.89	8	2,634.36	8	2,450.31	8	2,265.40	8	1,667.21
1/4	1/4	3,905.06	1/4	3,567.06	1/4	3,382.26	1/4	3,198.48	1/4	3,008.30	1/4	2,817.81	1/4	2,633.27	1/4	2,449.22	1/4	2,264.35	1/4	1,659.70
1/2	1/2	3,901.22	1/2	3,565.20	1/2	3,381.19	1/2	3,197.40	1/2	3,007.22	1/2	2,816.74	1/2	2,632.18	1/2	2,448.13	1/2	2,263.28	1/2	1,652.18
3/4	3/4	3,897.38	3/4	3,563.34	3/4	3,379.90	3/4	3,196.32	3/4	3,006.14	3/4	2,815.67	3/4	2,631.09	3/4	2,447.08	3/4	2,262.21	3/4	1,644.67
9	9	3,893.54	9	3,561.47	9	3,378.83	9	3,195.24	9	3,005.06	9	2,814.60	9	2,630.00	9	2,446.00	9	2,261.14	9	1,637.16
1/4	1/4	3,889.71	1/4	3,559.60	1/4	3,377.66	1/4	3,194.16	1/4	3,003.89	1/4	2,813.53	1/4	2,628.91	1/4	2,444.91	1/4	2,260.07	1/4	1,629.64
1/2	1/2	3,885.87	1/2	3,557.74	1/2	3,376.50	1/2	3,193.08	1/2	3,002.72	1/2	2,812.46	1/2	2,627.80	1/2	2,443.80	1/2	2,259.00	1/2	1,622.13
3/4	3/4	3,882.04	3/4	3,555.88	3/4	3,375.33	3/4	3,191.93	3/4	3,001.54	3/4	2,811.33	3/4	2,626.71	3/4	2,442.71	3/4	2,257.93	3/4	1,614.61
10	10	3,878.20	10	3,554.01	10	3,374.16	10	3,190.76	10	3,000.36	10	2,810.24	10	2,625.60	10	2,441.60	10	2,256.84	10	1,607.10
1/4	1/4	3,874.37	1/4	3,552.14	1/4	3,372.99	1/4	3,189.69	1/4	2,999.18	1/4	2,809.12	1/4	2,624.51	1/4	2,440.51	1/4	2,255.77	1/4	1,599.63
1/2	1/2	3,870.53	1/2	3,550.28	1/2	3,371.82	1/2	3,188.61	1/2	2,998.10	1/2	2,808.05	1/2	2,623.40	1/2	2,439.40	1/2	2,254.69	1/2	1,592.16
3/4	3/4	3,866.70	3/4	3,548.41	3/4	3,370.65	3/4	3,187.50	3/4	2,997.08	3/4	2,806.94	3/4	2,622.29	3/4	2,438.30	3/4	2,253.62	3/4	1,584.68
11	11	3,862.86	11	3,546.55	11	3,369.48	11	3,186.35	11	2,996.06	11	2,805.83	11	2,621.18	11	2,437.21	11	2,252.55	11	1,577.21
1/4	1/4	3,859.02	1/4	3,544.69	1/4	3,368.31	1/4	3,185.20	1/4	2,995.04	1/4	2,804.72	1/4	2,620.07	1/4	2,436.10	1/4	2,251.48	1/4	1,569.87
1/2	1/2	3,855.19	1/2	3,542.82	1/2	3,367.14	1/2	3,184.05	1/2	2,994.02	1/2	2,803.65	1/2	2,619.00	1/2	2,435.00	1/2	2,250.41	1/2	1,562.53
3/4	3/4	3,851.35	3/4	3,540.96	3/4	3,365.97	3/4	3,182.88	3/4	2,993.00	3/4	2,802.58	3/4	2,617.89	3/4	2,433.91	3/4	2,249.34	3/4	1,555.19

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 ULLAGE 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
<http://www.pmacorp.net>



BARGE "EMS 3054"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-04 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,533.17	1/2	1,183.11	1/2	838.61	1/2	480.66	1/2	125.79	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,525.83	3/4	1,176.02	3/4	831.24	3/4	473.32	3/4	118.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,518.49	1	1,168.92	1	823.86	1	465.98	1	111.06	1	1	1	1	1	1	1	1	1	1
1/4	1,511.15	1/4	1,161.83	1/4	816.48	1/4	458.64	1/4	103.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,503.81	1/2	1,154.74	1/2	809.10	1/2	451.30	1/2	96.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,496.47	3/4	1,147.66	3/4	801.72	3/4	443.96	3/4	89.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,489.13	2	1,140.57	2	794.35	2	436.62	2	82.22	2	2	2	2	2	2	2	2	2	2
1/4	1,481.78	1/4	1,133.48	1/4	786.96	1/4	429.28	1/4	75.79	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,474.44	1/2	1,126.39	1/2	779.58	1/2	421.95	1/2	69.37	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,467.10	3/4	1,119.30	3/4	772.19	3/4	414.61	3/4	62.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,459.76	3	1,112.21	3	764.81	3	407.27	3	56.52	3	3	3	3	3	3	3	3	3	3
1/4	1,452.42	1/4	1,105.12	1/4	757.39	1/4	399.94	1/4	51.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,445.08	1/2	1,098.03	1/2	749.97	1/2	392.60	1/2	46.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,437.74	3/4	1,090.94	3/4	742.56	3/4	385.27	3/4	41.02	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,430.40	4	1,083.85	4	735.14	4	377.93	4	35.85	4	4	4	4	4	4	4	4	4	4
1/4	1,423.02	1/4	1,076.76	1/4	727.62	1/4	370.59	1/4	31.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,415.63	1/2	1,069.67	1/2	720.11	1/2	363.24	1/2	28.02	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,408.25	3/4	1,062.58	3/4	712.59	3/4	355.90	3/4	24.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,400.86	5	1,055.49	5	705.08	5	348.55	5	20.20	5	5	5	5	5	5	5	5	5	5
1/4	1,393.35	1/4	1,048.44	1/4	697.56	1/4	341.19	1/4	16.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,385.83	1/2	1,041.38	1/2	690.04	1/2	333.82	1/2	12.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,378.31	3/4	1,034.32	3/4	682.53	3/4	326.45	3/4	8.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,370.80	6	1,027.27	6	675.01	6	319.08	6	4.56	6	6	6	6	6	6	6	6	6	6
1/4	1,363.28	1/4	1,020.31	1/4	667.50	1/4	311.71	1/4	0.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,355.76	1/2	1,013.35	1/2	659.99	1/2	304.34	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,348.25	3/4	1,006.39	3/4	652.48	3/4	296.97	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,340.73	7	999.43	7	644.97	7	289.61	7	0.00	7	7	7	7	7	7	7	7	7	7
1/4	1,333.31	1/4	992.38	1/4	637.49	1/4	282.20	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,325.89	1/2	985.32	1/2	630.00	1/2	274.80	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,318.48	3/4	978.26	3/4	622.51	3/4	267.39	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,311.06	8	971.21	8	615.02	8	259.99	8	0.00	8	8	8	8	8	8	8	8	8	8
1/4	1,303.93	1/4	963.86	1/4	607.53	1/4	252.48	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,296.80	1/2	956.51	1/2	600.05	1/2	244.97	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,289.68	3/4	949.17	3/4	592.56	3/4	237.46	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,282.55	9	941.82	9	585.07	9	229.95	9	0.00	9	9	9	9	9	9	9	9	9	9
1/4	1,275.43	1/4	934.46	1/4	577.58	1/4	222.43	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,268.31	1/2	927.10	1/2	570.09	1/2	214.92	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,261.19	3/4	919.74	3/4	562.61	3/4	207.41	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,254.06	10	912.38	10	555.12	10	199.90	10	0.00	10	10	10	10	10	10	10	10	10	10
1/4	1,246.96	1/4	905.00	1/4	547.63	1/4	192.43	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,239.86	1/2	897.63	1/2	540.14	1/2	184.95	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,232.76	3/4	890.25	3/4	532.65	3/4	177.47	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,225.66	11	882.87	11	525.16	11	170.00	11	0.00	11	11	11	11	11	11	11	11	11	11
1/4	1,218.57	1/4	875.50	1/4	517.71	1/4	162.63	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,211.47	1/2	868.12	1/2	510.25	1/2	155.26	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,204.38	3/4	860.74	3/4	502.80	3/4	147.89	3/4	0.00	3/4	3/4	3/4	3/4	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.pmacorp.net>