



BARGE "EMS 3048"

ULLAGE TRIM TABLE

	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	- 00-3/8	00-3/8
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	- 00-0/8	00-0/8	- 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
2 STBD	- 00-0/8	00-0/8	- 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
3 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-3/8	- 03-3/8
3 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-3/8	- 03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 253'-09"

October 4, 2018

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 3048"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,591.04	0	4,229.79	0	3,866.98	0	3,504.17	0	3,141.36	0	2,778.55	0	2,415.75
1/4		1/4		1/4		1/4	4,583.53	1/4	4,222.23	1/4	3,859.42	1/4	3,496.61	1/4	3,133.80	1/4	2,771.00	1/4	2,408.19
1/2		1/2		1/2		1/2	4,576.02	1/2	4,214.67	1/2	3,851.86	1/2	3,489.05	1/2	3,126.25	1/2	2,763.44	1/2	2,400.63
3/4		3/4		3/4		3/4	4,568.50	3/4	4,207.11	3/4	3,844.30	3/4	3,481.50	3/4	3,118.69	3/4	2,755.88	3/4	2,393.07
1		1		1		1	4,560.99	1	4,199.55	1	3,836.74	1	3,473.94	1	3,111.13	1	2,748.32	1	2,385.51
1/4		1/4		1/4		1/4	4,553.47	1/4	4,191.99	1/4	3,829.19	1/4	3,466.38	1/4	3,103.57	1/4	2,740.76	1/4	2,377.95
1/2		1/2		1/2		1/2	4,545.95	1/2	4,184.44	1/2	3,821.63	1/2	3,458.82	1/2	3,096.01	1/2	2,733.20	1/2	2,370.40
3/4		3/4		3/4		3/4	4,538.44	3/4	4,176.88	3/4	3,814.07	3/4	3,451.26	3/4	3,088.45	3/4	2,725.65	3/4	2,362.84
2		2		2		2	4,530.92	2	4,169.32	2	3,806.51	2	3,443.70	2	3,080.89	2	2,718.09	2	2,355.28
1/4		1/4		1/4		1/4	4,523.40	1/4	4,161.76	1/4	3,798.95	1/4	3,436.14	1/4	3,073.34	1/4	2,710.53	1/4	2,347.72
1/2		1/2		1/2		1/2	4,515.88	1/2	4,154.20	1/2	3,791.39	1/2	3,428.59	1/2	3,065.78	1/2	2,702.97	1/2	2,340.16
3/4		3/4		3/4		3/4	4,508.37	3/4	4,146.64	3/4	3,783.84	3/4	3,421.03	3/4	3,058.22	3/4	2,695.41	3/4	2,332.60
3		3		3		3	4,500.85	3	4,139.08	3	3,776.28	3	3,413.47	3	3,050.66	3	2,687.85	3	2,325.04
1/4		1/4		1/4		1/4	4,493.33	1/4	4,131.53	1/4	3,768.72	1/4	3,405.91	1/4	3,043.10	1/4	2,680.29	1/4	2,317.49
1/2		1/2		1/2		1/2	4,485.81	1/2	4,123.97	1/2	3,761.16	1/2	3,398.35	1/2	3,035.54	1/2	2,672.74	1/2	2,309.93
3/4		3/4		3/4		3/4	4,478.30	3/4	4,116.41	3/4	3,753.60	3/4	3,390.79	3/4	3,027.99	3/4	2,665.18	3/4	2,302.37
4		4		4		4	4,470.78	4	4,108.85	4	3,746.04	4	3,383.23	4	3,020.43	4	2,657.62	4	2,294.81
1/4		1/4		1/4		1/4	4,463.26	1/4	4,101.29	1/4	3,738.48	1/4	3,375.68	1/4	3,012.87	1/4	2,650.06	1/4	2,287.25
1/2		1/2		1/2		1/2	4,455.75	1/2	4,093.73	1/2	3,730.93	1/2	3,368.12	1/2	3,005.31	1/2	2,642.50	1/2	2,279.69
3/4		3/4		3/4		3/4	4,448.23	3/4	4,086.18	3/4	3,723.37	3/4	3,360.56	3/4	2,997.75	3/4	2,634.94	3/4	2,272.14
5		5		5		5	4,440.71	5	4,078.62	5	3,715.81	5	3,353.00	5	2,990.19	5	2,627.38	5	2,264.58
1/4		1/4		1/4		1/4	4,433.19	1/4	4,071.06	1/4	3,708.25	1/4	3,345.44	1/4	2,982.63	1/4	2,619.83	1/4	2,257.02
1/2		1/2		1/2		1/2	4,425.68	1/2	4,063.50	1/2	3,700.69	1/2	3,337.88	1/2	2,975.08	1/2	2,612.27	1/2	2,249.46
3/4		3/4		3/4		3/4	4,418.16	3/4	4,055.94	3/4	3,693.13	3/4	3,330.33	3/4	2,967.52	3/4	2,604.71	3/4	2,241.90
6		6		6		6	4,410.64	6	4,048.38	6	3,685.57	6	3,322.77	6	2,959.96	6	2,597.15	6	2,234.34
1/4		1/4		1/4		1/4	4,403.13	1/4	4,040.82	1/4	3,678.02	1/4	3,315.21	1/4	2,952.40	1/4	2,589.59	1/4	2,226.78
1/2		1/2		1/2		1/2	4,722.36	1/2	4,395.61	1/2	4,033.27	1/2	3,670.46	1/2	3,307.65	1/2	2,944.84	1/2	2,582.03
3/4		3/4		3/4		3/4	4,718.83	3/4	4,388.09	3/4	4,025.71	3/4	3,662.90	3/4	3,300.09	3/4	2,937.28	3/4	2,574.48
7		7		7		7	4,715.30	7	4,380.57	7	4,018.15	7	3,655.34	7	3,292.53	7	2,929.72	7	2,566.92
1/4		1/4		1/4		1/4	4,711.76	1/4	4,373.06	1/4	4,010.59	1/4	3,647.78	1/4	3,284.97	1/4	2,922.17	1/4	2,559.36
1/2		1/2		1/2		1/2	4,707.15	1/2	4,365.54	1/2	4,003.03	1/2	3,640.22	1/2	3,277.42	1/2	2,914.61	1/2	2,551.80
3/4		3/4		3/4		3/4	4,702.54	3/4	4,358.02	3/4	3,995.47	3/4	3,632.67	3/4	3,269.86	3/4	2,907.05	3/4	2,544.24
8		8		8		8	4,697.93	8	4,350.50	8	3,987.91	8	3,625.11	8	3,262.30	8	2,899.49	8	2,536.68
1/4		1/4		1/4		1/4	4,693.32	1/4	4,342.99	1/4	3,980.36	1/4	3,617.55	1/4	3,254.74	1/4	2,891.93	1/4	2,529.12
1/2		1/2		1/2		1/2	4,687.63	1/2	4,335.47	1/2	3,972.80	1/2	3,609.99	1/2	3,247.18	1/2	2,884.37	1/2	2,521.57
3/4		3/4		3/4		3/4	4,681.93	3/4	4,327.95	3/4	3,965.24	3/4	3,602.43	3/4	3,239.62	3/4	2,876.82	3/4	2,514.01
9		9		9		9	4,676.24	9	4,320.44	9	3,957.68	9	3,594.87	9	3,232.06	9	2,869.26	9	2,506.45
1/4		1/4		1/4		1/4	4,670.55	1/4	4,312.92	1/4	3,950.12	1/4	3,587.31	1/4	3,224.51	1/4	2,861.70	1/4	2,498.89
1/2		1/2		1/2		1/2	4,663.72	1/2	4,305.36	1/2	3,942.56	1/2	3,579.76	1/2	3,216.95	1/2	2,854.14	1/2	2,491.33
3/4		3/4		3/4		3/4	4,656.89	3/4	4,297.81	3/4	3,935.01	3/4	3,572.20	3/4	3,209.39	3/4	2,846.58	3/4	2,483.77
10		10		10		10	4,650.06	10	4,290.25	10	3,927.45	10	3,564.64	10	3,201.83	10	2,839.02	10	2,476.21
1/4		1/4		1/4		1/4	4,643.22	1/4	4,282.70	1/4	3,919.89	1/4	3,557.08	1/4	3,194.27	1/4	2,831.46	1/4	2,468.66
1/2		1/2		1/2		1/2	4,635.81	1/2	4,275.14	1/2	3,912.33	1/2	3,549.52	1/2	3,186.71	1/2	2,823.91	1/2	2,461.10
3/4		3/4		3/4		3/4	4,628.39	3/4	4,267.58	3/4	3,904.77	3/4	3,541.96	3/4	3,179.16	3/4	2,816.35	3/4	2,453.54
11		11		11		11	4,620.97	11	4,260.02	11	3,897.21	11	3,534.40	11	3,171.60	11	2,808.79	11	2,445.98
1/4		1/4		1/4		1/4	4,613.55	1/4	4,252.46	1/4	3,889.65	1/4	3,526.85	1/4	3,164.04	1/4	2,801.23	1/4	2,438.42
1/2		1/2		1/2		1/2	4,606.05	1/2	4,244.90	1/2	3,882.10	1/2	3,519.29	1/2	3,156.48	1/2	2,793.67	1/2	2,430.86
3/4		3/4		3/4		3/4	4,598.54	3/4	4,237.35	3/4	3,874.54	3/4	3,511.73	3/4	3,148.92	3/4	2,786.11	3/4	2,423.31

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "EMS 3048"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,052.94	0	1,690.13	0	1,327.84	0	965.45	0	609.49	0	247.16	0		0		0		0	
1/4	2,045.38	1/4	1,682.57	1/4	1,320.28	1/4	957.91	1/4	602.15	1/4	239.61	1/4	1/4	1/4		1/4		1/4	
1/2	2,037.82	1/2	1,675.01	1/2	1,312.72	1/2	950.38	1/2	594.62	1/2	232.24	1/2	1/2	1/2		1/2		1/2	
3/4	2,030.26	3/4	1,667.46	3/4	1,305.16	3/4	942.84	3/4	587.10	3/4	224.88	3/4	3/4	3/4		3/4		3/4	
1	2,022.70	1	1,659.90	1	1,297.60	1	935.30	1	579.58	1	217.51	1	1	1		1		1	
1/4	2,015.15	1/4	1,652.34	1/4	1,290.05	1/4	927.76	1/4	572.06	1/4	210.14	1/4	1/4	1/4		1/4		1/4	
1/2	2,007.59	1/2	1,644.78	1/2	1,282.49	1/2	920.23	1/2	564.51	1/2	202.80	1/2	1/2	1/2		1/2		1/2	
3/4	2,000.03	3/4	1,637.22	3/4	1,274.93	3/4	912.69	3/4	556.96	3/4	195.46	3/4	3/4	3/4		3/4		3/4	
2	1,992.47	2	1,629.66	2	1,267.37	2	905.15	2	549.41	2	188.12	2	2	2		2		2	
1/4	1,984.91	1/4	1,622.10	1/4	1,259.81	1/4	897.61	1/4	541.86	1/4	180.77	1/4	1/4	1/4		1/4		1/4	
1/2	1,977.35	1/2	1,614.55	1/2	1,252.25	1/2	890.08	1/2	534.31	1/2	173.43	1/2	1/2	1/2		1/2		1/2	
3/4	1,969.80	3/4	1,606.99	3/4	1,244.69	3/4	882.54	3/4	526.76	3/4	166.09	3/4	3/4	3/4		3/4		3/4	
3	1,962.24	3	1,599.43	3	1,237.13	3	875.00	3	519.22	3	158.75	3	3	3		3		3	
1/4	1,954.68	1/4	1,591.87	1/4	1,229.57	1/4	867.46	1/4	511.67	1/4	151.41	1/4	1/4	1/4		1/4		1/4	
1/2	1,947.12	1/2	1,584.31	1/2	1,222.01	1/2	859.92	1/2	504.11	1/2	144.08	1/2	1/2	1/2		1/2		1/2	
3/4	1,939.56	3/4	1,576.75	3/4	1,214.45	3/4	852.38	3/4	496.55	3/4	136.74	3/4	3/4	3/4		3/4		3/4	
4	1,932.00	4	1,569.19	4	1,206.89	4	844.84	4	488.99	4	129.41	4	4	4		4		4	
1/4	1,924.44	1/4	1,561.64	1/4	1,199.33	1/4	837.30	1/4	481.43	1/4	122.08	1/4	1/4	1/4		1/4		1/4	
1/2	1,916.89	1/2	1,554.11	1/2	1,191.77	1/2	829.93	1/2	473.88	1/2	114.77	1/2	1/2	1/2		1/2		1/2	
3/4	1,909.33	3/4	1,546.58	3/4	1,184.21	3/4	822.55	3/4	466.32	3/4	107.46	3/4	3/4	3/4		3/4		3/4	
5	1,901.77	5	1,539.05	5	1,176.65	5	815.18	5	458.76	5	100.15	5	5	5		5		5	
1/4	1,894.21	1/4	1,531.52	1/4	1,169.09	1/4	807.80	1/4	451.20	1/4	92.84	1/4	1/4	1/4		1/4		1/4	
1/2	1,886.65	1/2	1,523.99	1/2	1,161.54	1/2	800.45	1/2	443.64	1/2	86.06	1/2	1/2	1/2		1/2		1/2	
3/4	1,879.09	3/4	1,516.47	3/4	1,153.98	3/4	793.10	3/4	436.08	3/4	79.27	3/4	3/4	3/4		3/4		3/4	
6	1,871.53	6	1,508.94	6	1,146.42	6	785.74	6	428.52	6	72.49	6	6	6		6		6	
1/4	1,863.98	1/4	1,501.42	1/4	1,138.86	1/4	778.39	1/4	420.96	1/4	65.70	1/4	1/4	1/4		1/4		1/4	
1/2	1,856.42	1/2	1,493.89	1/2	1,131.31	1/2	771.04	1/2	413.40	1/2	60.09	1/2	1/2	1/2		1/2		1/2	
3/4	1,848.86	3/4	1,486.37	3/4	1,123.77	3/4	763.69	3/4	405.84	3/4	54.47	3/4	3/4	3/4		3/4		3/4	
7	1,841.30	7	1,478.84	7	1,116.23	7	756.33	7	398.28	7	48.85	7	7	7		7		7	
1/4	1,833.74	1/4	1,471.32	1/4	1,108.69	1/4	748.98	1/4	390.72	1/4	43.23	1/4	1/4	1/4		1/4		1/4	
1/2	1,826.18	1/2	1,463.79	1/2	1,101.15	1/2	741.64	1/2	383.16	1/2	38.87	1/2	1/2	1/2		1/2		1/2	
3/4	1,818.63	3/4	1,456.27	3/4	1,093.61	3/4	734.30	3/4	375.60	3/4	34.51	3/4	3/4	3/4		3/4		3/4	
8	1,811.07	8	1,448.74	8	1,086.07	8	726.95	8	368.04	8	30.15	8	8	8		8		8	
1/4	1,803.51	1/4	1,441.21	1/4	1,078.53	1/4	719.61	1/4	360.48	1/4	25.79	1/4	1/4	1/4		1/4		1/4	
1/2	1,795.95	1/2	1,433.66	1/2	1,070.99	1/2	712.27	1/2	352.92	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	1,788.39	3/4	1,426.11	3/4	1,063.45	3/4	704.93	3/4	345.36	3/4		3/4	3/4	3/4		3/4		3/4	
9	1,780.83	9	1,418.55	9	1,055.91	9	697.59	9	337.80	9		9	9	9		9		9	
1/4	1,773.27	1/4	1,411.00	1/4	1,048.37	1/4	690.24	1/4	330.24	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	1,765.72	1/2	1,403.44	1/2	1,040.83	1/2	682.90	1/2	322.69	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	1,758.16	3/4	1,395.88	3/4	1,033.29	3/4	675.56	3/4	315.13	3/4		3/4	3/4	3/4		3/4		3/4	
10	1,750.60	10	1,388.32	10	1,025.75	10	668.22	10	307.57	10		10	10	10		10		10	
1/4	1,743.04	1/4	1,380.76	1/4	1,018.21	1/4	660.88	1/4	300.01	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	1,735.48	1/2	1,373.20	1/2	1,010.68	1/2	653.54	1/2	292.46	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	1,727.92	3/4	1,365.64	3/4	1,003.14	3/4	646.20	3/4	284.91	3/4		3/4	3/4	3/4		3/4		3/4	
11	1,720.36	11	1,358.08	11	995.60	11	638.85	11	277.36	11		11	11	11		11		11	
1/4	1,712.81	1/4	1,350.52	1/4	988.06	1/4	631.51	1/4	269.81	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	1,705.25	1/2	1,342.96	1/2	980.53	1/2	624.17	1/2	262.26	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	1,697.69	3/4	1,335.40	3/4	972.99	3/4	616.83	3/4	254.71	3/4		3/4	3/4	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/27/2018 CL
CALCULATED: 10/03/2018 CL
PRINTED: 10/04/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2018

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



BARGE "EMS 3048"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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				
0		0			0			0			0			0			0			0			0			0			0			0		
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		1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4		3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
1		1			1			1			1			1			1			1			1			1			1			1		
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		1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4		3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
2		2			2			2			2			2			2			2			2			2			2			2		
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		1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4		3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
3		3			3			3			3			3			3			3			3			3			3			3		
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		1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4		3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
4		4			4			4			4			4			4			4			4			4			4			4		
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		1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4		3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
5		5			5			5			5			5			5			5			5			5			5			5		
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		1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4		3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
6		6			6			6			6			6			6			6			6			6			6			6		
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		1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4		3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
7		7			7		4,714.24	7		4,387.89	7		4,025.98	7		3,663.61	7		3,301.24	7		2,938.88	7		2,576.51	7		2,214.14	7		1,851.77	7		1,489.40
1/4		1/4			1/4		4,710.71	1/4		4,380.38	1/4		4,018.43	1/4		3,656.06	1/4		3,293.69	1/4		2,931.33	1/4		2,568.96	1/4		2,206.59	1/4		1,847.22	1/4		1,484.85
1/2		1/2			1/2		4,707.18	1/2		4,372.87	1/2		4,010.88	1/2		3,648.51	1/2		3,286.14	1/2		2,923.78	1/2		2,561.41	1/2		2,199.05	1/2		1,840.75	1/2		1,481.29
3/4		3/4			3/4		4,703.66	3/4		4,365.36	3/4		4,003.33	3/4		3,640.96	3/4		3,278.60	3/4		2,916.23	3/4		2,553.86	3/4		2,191.50	3/4		1,836.79	3/4		1,477.92
8		8			8		4,699.05	8		4,357.85	8		3,995.78	8		3,633.41	8		3,271.05	8		2,908.68	8		2,546.31	8		2,183.95	8		1,832.33	8		1,473.44
1/4		1/4			1/4		4,694.44	1/4		4,350.35	1/4		3,988.23	1/4		3,625.86	1/4		3,263.50	1/4		2,901.13	1/4		2,538.76	1/4		2,176.40	1/4		1,829.02	1/4		1,473.44
1/2		1/2			1/2		4,689.84	1/2		4,342.84	1/2		3,980.68	1/2		3,618.31	1/2		3,255.95	1/2		2,893.58	1/2		2,531.21	1/2		2,168.85	1/2		1,824.58	1/2		1,473.44
3/4		3/4			3/4		4,685.23	3/4		4,335.33	3/4		3,973.13	3/4		3,610.76	3/4		3,248.40	3/4		2,886.03	3/4		2,523.67	3/4		2,161.30	3/4		1,820.72	3/4		1,473.44
9		9			9		4,679.55	9		4,327.82	9		3,965.58	9		3,603.22	9		3,240.85	9		2,878.48	9		2,516.12	9		2,153.75	9		1,816.99	9		1,473.44
1/4		1/4			1/4		4,673.86	1/4		4,320.31	1/4		3,958.03	1/4		3,595.67	1/4		3,233.30	1/4		2,870.93	1/4		2,508.57	1/4		2,146.20	1/4		1,812.57	1/4		1,473.44
1/2		1/2			1/2		4,668.18	1/2		4,312.81	1/2		3,950.48	1/2		3,588.12	1/2		3,225.75	1/2		2,863.38	1/2		2,501.02	1/2		2,138.65	1/2		1,808.15	1/2		1,473.44
3/4		3/4			3/4		4,662.49	3/4		4,305.30	3/4		3,942.93	3/4		3,580.57	3/4		3,218.20	3/4		2,855.83	3/4		2,493.47	3/4		2,131.10	3/4		1,803.73	3/4		1,473.44
10		10			10		4,655.67	10		4,297.75	10		3,935.38	10		3,573.02	10		3,210.65	10		2,848.29	10		2,485.92	10		2,123.55	10		1,799.29	10		1,473.44
1/4		1/4			1/4		4,648.85	1/4		4,290.20	1/4		3,927.84	1/4		3,565.47	1/4		3,203.10	1/4		2,840.74	1/4		2,478.37	1/4		2,116.00	1/4		1,794.85	1/4		1,473.44
1/2		1/2			1/2		4,642.02	1/2		4,282.65	1/2		3,920.29	1/2		3,557.92	1/2		3,195.55	1/2		2,833.19	1/2		2,470.82	1/2		2,108.45	1/2		1,790.41	1/2		1,473.44
3/4		3/4			3/4		4,635.20	3/4		4,275.10	3/4		3,912.74	3/4		3,550.37	3/4		3,188.00	3/4		2,825.64	3/4		2,463.27	3/4		2,100.90	3/4		1,785.97	3/4		1,473.44
11		11			11		4,627.79	11		4,267.55	11		3,905.19	11		3,542.82	11		3,180.45	11		2,818.09	11		2,455.72	11		2,093.36	11		1,781.53	11		1,473.44
1/4		1/4			1/4		4,620.38	1/4		4,260.00	1/4		3,897.64	1/4		3,535.27	1/4		3,172.90	1/4		2,810.54	1/4		2,448.17	1/4		2,085.81	1/4		1,777.09	1/4		1,473.44
1/2		1/2			1/2		4,612.97	1/2		4,252.45	1/2		3,890.09	1/2		3,527.72	1/2		3,165.36	1/2		2,802.99	1/2		2,440.62	1/2		2,078.26	1/2		1,772.65	1/2		1,473.44
3/4		3/4			3/4		4,605.56	3/4		4,244.91	3/4		3,882.54	3/4		3,520.17	3/4		3,157.81	3/4		2,795.44	3/4		2,433.07	3/4		2,070.71	3/4		1,768.21	3/4		1,473.44

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD

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



BARGE "EMS 3048"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

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	IN	0
1/4	2,055.61	1/4	1,693.24	1/4	1,331.39	1/4	970.48	1/4	616.07	1/4	254.39	1/4		1/4		1/4		1/4			
1/2	2,048.06	1/2	1,685.69	1/2	1,323.84	1/2	963.00	1/2	608.74	1/2	246.85	1/2		1/2		1/2		1/2			
3/4	2,040.51	3/4	1,678.14	3/4	1,316.29	3/4	955.53	3/4	601.41	3/4	239.31	3/4		3/4		3/4		3/4			
1	2,032.96	1	1,670.59	1	1,308.74	1	948.05	1	593.90	1	231.96	1		1		1		1			
1/4	2,025.41	1/4	1,663.04	1/4	1,301.19	1/4	940.57	1/4	586.38	1/4	224.60	1/4		1/4		1/4		1/4			
1/2	2,017.86	1/2	1,655.50	1/2	1,293.64	1/2	933.09	1/2	578.87	1/2	217.24	1/2		1/2		1/2		1/2			
3/4	2,010.31	3/4	1,647.95	3/4	1,286.09	3/4	925.61	3/4	571.35	3/4	209.88	3/4		3/4		3/4		3/4			
2	2,002.76	2	1,640.40	2	1,278.54	2	918.13	2	563.82	2	202.55	2		2		2		2			
1/4	1,995.21	1/4	1,632.85	1/4	1,270.99	1/4	910.65	1/4	556.28	1/4	195.21	1/4		1/4		1/4		1/4			
1/2	1,987.66	1/2	1,625.30	1/2	1,263.44	1/2	903.17	1/2	548.74	1/2	187.88	1/2		1/2		1/2		1/2			
3/4	1,980.12	3/4	1,617.75	3/4	1,255.89	3/4	895.69	3/4	541.20	3/4	180.55	3/4		3/4		3/4		3/4			
3	1,972.57	3	1,610.20	3	1,248.34	3	888.21	3	533.66	3	173.22	3		3		3		3			
1/4	1,965.02	1/4	1,602.65	1/4	1,240.79	1/4	880.74	1/4	526.12	1/4	165.89	1/4		1/4		1/4		1/4			
1/2	1,957.47	1/2	1,595.10	1/2	1,233.24	1/2	873.26	1/2	518.58	1/2	158.55	1/2		1/2		1/2		1/2			
3/4	1,949.92	3/4	1,587.55	3/4	1,225.69	3/4	865.78	3/4	511.04	3/4	151.22	3/4		3/4		3/4		3/4			
4	1,942.37	4	1,580.00	4	1,218.14	4	858.30	4	503.49	4	143.90	4		4		4		4			
1/4	1,934.82	1/4	1,572.45	1/4	1,210.59	1/4	850.81	1/4	495.94	1/4	136.57	1/4		1/4		1/4		1/4			
1/2	1,927.27	1/2	1,564.90	1/2	1,203.04	1/2	843.33	1/2	488.39	1/2	129.25	1/2		1/2		1/2		1/2			
3/4	1,919.72	3/4	1,557.35	3/4	1,195.49	3/4	835.85	3/4	480.84	3/4	121.93	3/4		3/4		3/4		3/4			
5	1,912.17	5	1,549.83	5	1,187.94	5	828.53	5	473.29	5	114.63	5		5		5		5			
1/4	1,904.62	1/4	1,542.31	1/4	1,180.39	1/4	821.22	1/4	465.74	1/4	107.33	1/4		1/4		1/4		1/4			
1/2	1,897.07	1/2	1,534.79	1/2	1,172.84	1/2	813.90	1/2	458.19	1/2	100.03	1/2		1/2		1/2		1/2			
3/4	1,889.52	3/4	1,527.27	3/4	1,165.29	3/4	806.58	3/4	450.64	3/4	92.73	3/4		3/4		3/4		3/4			
6	1,881.97	6	1,519.76	6	1,157.74	6	799.29	6	443.09	6	85.95	6		6		6		6			
1/4	1,874.43	1/4	1,512.24	1/4	1,150.19	1/4	791.99	1/4	435.54	1/4	79.18	1/4		1/4		1/4		1/4			
1/2	1,866.88	1/2	1,504.73	1/2	1,142.64	1/2	784.70	1/2	427.99	1/2	72.40	1/2		1/2		1/2		1/2			
3/4	1,859.33	3/4	1,497.21	3/4	1,135.09	3/4	777.41	3/4	420.44	3/4	65.62	3/4		3/4		3/4		3/4			
7	1,851.78	7	1,489.69	7	1,127.60	7	770.07	7	412.89	7	60.01	7		7		7		7			
1/4	1,844.23	1/4	1,482.18	1/4	1,120.11	1/4	762.73	1/4	405.34	1/4	54.40	1/4		1/4		1/4		1/4			
1/2	1,836.68	1/2	1,474.66	1/2	1,112.62	1/2	755.40	1/2	397.79	1/2	48.79	1/2		1/2		1/2		1/2			
3/4	1,829.13	3/4	1,467.14	3/4	1,105.13	3/4	748.06	3/4	390.24	3/4	43.18	3/4		3/4		3/4		3/4			
8	1,821.58	8	1,459.63	8	1,097.65	8	740.73	8	382.69	8	38.83	8		8		8		8			
1/4	1,814.03	1/4	1,452.11	1/4	1,090.17	1/4	733.39	1/4	375.14	1/4	34.47	1/4		1/4		1/4		1/4			
1/2	1,806.48	1/2	1,444.60	1/2	1,082.68	1/2	726.06	1/2	367.59	1/2	30.12	1/2		1/2		1/2		1/2			
3/4	1,798.93	3/4	1,437.08	3/4	1,075.20	3/4	718.73	3/4	360.04	3/4	25.76	3/4		3/4		3/4		3/4			
9	1,791.38	9	1,429.53	9	1,067.72	9	711.39	9	352.49	9		9		9		9		9			
1/4	1,783.83	1/4	1,421.99	1/4	1,060.24	1/4	704.06	1/4	344.94	1/4		1/4		1/4		1/4		1/4			
1/2	1,776.28	1/2	1,414.44	1/2	1,052.76	1/2	696.73	1/2	337.39	1/2		1/2		1/2		1/2		1/2			
3/4	1,768.74	3/4	1,406.90	3/4	1,045.28	3/4	689.40	3/4	329.84	3/4		3/4		3/4		3/4		3/4			
10	1,761.19	10	1,399.35	10	1,037.80	10	682.06	10	322.29	10		10		10		10		10			
1/4	1,753.64	1/4	1,391.80	1/4	1,030.32	1/4	674.73	1/4	314.74	1/4		1/4		1/4		1/4		1/4			
1/2	1,746.09	1/2	1,384.25	1/2	1,022.84	1/2	667.40	1/2	307.19	1/2		1/2		1/2		1/2		1/2			
3/4	1,738.54	3/4	1,376.70	3/4	1,015.36	3/4	660.07	3/4	299.63	3/4		3/4		3/4		3/4		3/4			
11	1,730.99	11	1,369.15	11	1,007.88	11	652.73	11	292.09	11		11		11		11		11			
1/4	1,723.44	1/4	1,361.60	1/4	1,000.40	1/4	645.40	1/4	284.55	1/4		1/4		1/4		1/4		1/4			
1/2	1,715.89	1/2	1,354.05	1/2	992.92	1/2	638.07	1/2	277.01	1/2		1/2		1/2		1/2		1/2			
3/4	1,708.34	3/4	1,346.50	3/4	985.44	3/4	630.74	3/4	269.47	3/4		3/4		3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/27/2018 CL
CALCULATED: 10/03/2018 CL
PRINTED: 10/04/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2018

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



BARGE "EMS 3048"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	4,579.71	0	4,219.81	0	3,858.26	0	3,496.72	0	3,135.17	0	2,773.63	0	2,412.08		
1/4		1/4		1/4	4,572.24	1/4	4,212.28	1/4	3,850.73	1/4	3,489.19	1/4	3,127.64	1/4	2,766.09	1/4	2,404.55		
1/2		1/2		1/2	4,564.76	1/2	4,204.74	1/2	3,843.20	1/2	3,481.65	1/2	3,120.11	1/2	2,758.56	1/2	2,397.02		
3/4		3/4		3/4	4,557.27	3/4	4,197.21	3/4	3,835.67	3/4	3,474.12	3/4	3,112.58	3/4	2,751.03	3/4	2,389.48		
1	1	1	1	1	4,549.78	1	4,189.68	1	3,828.13	1	3,466.59	1	3,105.04	1	2,743.50	1	2,381.95		
1/4		1/4		1/4	4,542.30	1/4	4,182.15	1/4	3,820.60	1/4	3,459.06	1/4	3,097.51	1/4	2,735.96	1/4	2,374.42		
1/2		1/2		1/2	4,534.81	1/2	4,174.62	1/2	3,813.07	1/2	3,451.52	1/2	3,089.98	1/2	2,728.43	1/2	2,366.89		
3/4		3/4		3/4	4,527.32	3/4	4,167.08	3/4	3,805.54	3/4	3,443.99	3/4	3,082.45	3/4	2,720.90	3/4	2,359.35		
2	2	2	2	2	4,519.83	2	4,159.55	2	3,798.01	2	3,436.46	2	3,074.91	2	2,713.37	2	2,351.82		
1/4		1/4		1/4	4,512.34	1/4	4,152.02	1/4	3,790.47	1/4	3,428.93	1/4	3,067.38	1/4	2,705.84	1/4	2,344.29		
1/2		1/2		1/2	4,504.85	1/2	4,144.49	1/2	3,782.94	1/2	3,421.40	1/2	3,059.85	1/2	2,698.30	1/2	2,336.76		
3/4		3/4		3/4	4,497.36	3/4	4,136.95	3/4	3,775.41	3/4	3,413.86	3/4	3,052.32	3/4	2,690.77	3/4	2,329.23		
3	3	3	3	3	4,489.86	3	4,129.42	3	3,767.88	3	3,406.33	3	3,044.79	3	2,683.24	3	2,321.69		
1/4		1/4		1/4	4,482.37	1/4	4,121.89	1/4	3,760.34	1/4	3,398.80	1/4	3,037.25	1/4	2,675.71	1/4	2,314.16		
1/2		1/2		1/2	4,474.88	1/2	4,114.36	1/2	3,752.81	1/2	3,391.27	1/2	3,029.72	1/2	2,668.18	1/2	2,306.63		
3/4		3/4		3/4	4,467.39	3/4	4,106.83	3/4	3,745.28	3/4	3,383.73	3/4	3,022.19	3/4	2,660.64	3/4	2,299.10		
4	4	4	4	4	4,459.90	4	4,099.29	4	3,737.75	4	3,376.20	4	3,014.66	4	2,653.11	4	2,291.57		
1/4		1/4		1/4	4,452.41	1/4	4,091.76	1/4	3,730.22	1/4	3,368.67	1/4	3,007.12	1/4	2,645.58	1/4	2,284.03		
1/2		1/2		1/2	4,444.92	1/2	4,084.23	1/2	3,722.68	1/2	3,361.14	1/2	2,999.59	1/2	2,638.05	1/2	2,276.50		
3/4		3/4		3/4	4,437.43	3/4	4,076.70	3/4	3,715.15	3/4	3,353.61	3/4	2,992.06	3/4	2,630.51	3/4	2,268.97		
5	5	5	5	5	4,429.94	5	4,069.16	5	3,707.62	5	3,346.07	5	2,984.53	5	2,622.98	5	2,261.44		
1/4		1/4		1/4	4,422.45	1/4	4,061.63	1/4	3,700.09	1/4	3,338.54	1/4	2,977.00	1/4	2,615.45	1/4	2,253.90		
1/2		1/2		1/2	4,414.96	1/2	4,054.10	1/2	3,692.55	1/2	3,331.01	1/2	2,969.46	1/2	2,607.92	1/2	2,246.37		
3/4		3/4		3/4	4,407.46	3/4	4,046.57	3/4	3,685.02	3/4	3,323.48	3/4	2,961.93	3/4	2,600.39	3/4	2,238.84		
6	6	6	6	6	4,399.97	6	4,039.04	6	3,677.49	6	3,315.94	6	2,954.40	6	2,592.85	6	2,231.31		
1/4		1/4		1/4	4,392.48	1/4	4,031.50	1/4	3,669.96	1/4	3,308.41	1/4	2,946.87	1/4	2,585.32	1/4	2,223.78		
1/2		1/2		1/2	4,384.99	1/2	4,023.97	1/2	3,662.43	1/2	3,300.88	1/2	2,939.33	1/2	2,577.79	1/2	2,216.24		
3/4		3/4		3/4	4,703.10	3/4	4,377.50	3/4	4,016.44	3/4	3,654.89	3/4	3,293.35	3/4	2,931.80	3/4	2,570.26	3/4	2,208.71
7	7	7	7	7	4,699.58	7	4,370.01	7	4,008.91	7	3,647.36	7	3,285.82	7	2,924.27	7	2,562.72	7	2,201.18
1/4		1/4		1/4	4,696.06	1/4	4,362.52	1/4	4,001.37	1/4	3,639.83	1/4	3,278.28	1/4	2,916.74	1/4	2,555.19	1/4	2,193.65
1/2		1/2		1/2	4,692.54	1/2	4,355.03	1/2	3,993.84	1/2	3,632.30	1/2	3,270.75	1/2	2,909.21	1/2	2,547.66	1/2	2,186.11
3/4		3/4		3/4	4,687.94	3/4	4,347.54	3/4	3,986.31	3/4	3,624.76	3/4	3,263.22	3/4	2,901.67	3/4	2,540.13	3/4	2,178.58
8	8	8	8	8	4,683.35	8	4,340.05	8	3,978.78	8	3,617.23	8	3,255.69	8	2,894.14	8	2,532.60	8	2,171.05
1/4		1/4		1/4	4,678.75	1/4	4,332.56	1/4	3,971.25	1/4	3,609.70	1/4	3,248.15	1/4	2,886.61	1/4	2,525.06	1/4	2,163.52
1/2		1/2		1/2	4,674.16	1/2	4,325.06	1/2	3,963.71	1/2	3,602.17	1/2	3,240.62	1/2	2,879.08	1/2	2,517.53	1/2	2,155.99
3/4		3/4		3/4	4,668.49	3/4	4,317.57	3/4	3,956.18	3/4	3,594.64	3/4	3,233.09	3/4	2,871.54	3/4	2,510.00	3/4	2,148.45
9	9	9	9	9	4,662.81	9	4,310.08	9	3,948.65	9	3,587.10	9	3,225.56	9	2,864.01	9	2,502.47	9	2,140.92
1/4		1/4		1/4	4,657.14	1/4	4,302.59	1/4	3,941.12	1/4	3,579.57	1/4	3,218.03	1/4	2,856.48	1/4	2,494.93	1/4	2,133.39
1/2		1/2		1/2	4,651.47	1/2	4,295.10	1/2	3,933.58	1/2	3,572.04	1/2	3,210.49	1/2	2,848.95	1/2	2,487.40	1/2	2,125.86
3/4		3/4		3/4	4,644.66	3/4	4,287.58	3/4	3,926.05	3/4	3,564.51	3/4	3,202.96	3/4	2,841.42	3/4	2,479.87	3/4	2,118.32
10	10	10	10	10	4,637.85	10	4,280.05	10	3,918.52	10	3,556.97	10	3,195.43	10	2,833.88	10	2,472.34	10	2,110.79
1/4		1/4		1/4	4,631.05	1/4	4,272.53	1/4	3,910.99	1/4	3,549.44	1/4	3,187.90	1/4	2,826.35	1/4	2,464.81	1/4	2,103.26
1/2		1/2		1/2	4,624.24	1/2	4,265.00	1/2	3,903.46	1/2	3,541.91	1/2	3,180.36	1/2	2,818.82	1/2	2,457.27	1/2	2,095.73
3/4		3/4		3/4	4,616.85	3/4	4,257.47	3/4	3,895.92	3/4	3,534.38	3/4	3,172.83	3/4	2,811.29	3/4	2,449.74	3/4	2,088.20
11	11	11	11	11	4,609.45	11	4,249.94	11	3,888.39	11	3,526.85	11	3,165.30	11	2,803.75	11	2,442.21	11	2,080.66
1/4		1/4		1/4	4,602.06	1/4	4,242.41	1/4	3,880.86	1/4	3,519.31	1/4	3,157.77	1/4	2,796.22	1/4	2,434.68	1/4	2,073.13
1/2		1/2		1/2	4,594.67	1/2	4,234.87	1/2	3,873.33	1/2	3,511.78	1/2	3,150.24	1/2	2,788.69	1/2	2,427.14	1/2	2,065.60
3/4		3/4		3/4	4,587.19	3/4	4,227.34	3/4	3,865.80	3/4	3,504.25	3/4	3,142.70	3/4	2,781.16	3/4	2,419.61	3/4	2,058.07

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "EMS 3048"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	
0	2,050.53	0	1,688.99	0	1,330.55	0	969.44	0	614.59	0	253.77	0		0		0		0	
1/4	2,043.00	1/4	1,681.46	1/4	1,323.02	1/4	961.93	1/4	607.27	1/4	246.25	1/4	1/4	1/4	1/4	1/4		1/4	
1/2	2,035.47	1/2	1,673.92	1/2	1,315.49	1/2	954.42	1/2	599.96	1/2	238.73	1/2	1/2	1/2	1/2	1/2		1/2	
3/4	2,027.94	3/4	1,666.39	3/4	1,307.95	3/4	946.91	3/4	592.46	3/4	231.39	3/4	3/4	3/4	3/4	3/4		3/4	
1	2,020.41	1	1,658.86	1	1,300.42	1	939.40	1	584.97	1	224.05	1	1	1	1	1		1	
1/4	2,012.87	1/4	1,651.33	1/4	1,292.89	1/4	931.89	1/4	577.47	1/4	216.71	1/4	1/4	1/4	1/4	1/4		1/4	
1/2	2,005.34	1/2	1,643.80	1/2	1,285.36	1/2	924.38	1/2	569.98	1/2	209.37	1/2	1/2	1/2	1/2	1/2		1/2	
3/4	1,997.81	3/4	1,636.26	3/4	1,277.83	3/4	916.87	3/4	562.46	3/4	202.05	3/4	3/4	3/4	3/4	3/4		3/4	
2	1,990.28	2	1,628.73	2	1,270.29	2	909.36	2	554.93	2	194.74	2	2	2	2	2		2	
1/4	1,982.74	1/4	1,621.20	1/4	1,262.76	1/4	901.85	1/4	547.41	1/4	187.42	1/4	1/4	1/4	1/4	1/4		1/4	
1/2	1,975.21	1/2	1,613.67	1/2	1,255.23	1/2	894.34	1/2	539.89	1/2	180.11	1/2	1/2	1/2	1/2	1/2		1/2	
3/4	1,967.68	3/4	1,606.22	3/4	1,247.70	3/4	886.83	3/4	532.37	3/4	172.79	3/4	3/4	3/4	3/4	3/4		3/4	
3	1,960.15	3	1,598.77	3	1,240.16	3	879.32	3	524.85	3	165.48	3	3	3	3	3		3	
1/4	1,952.62	1/4	1,591.32	1/4	1,232.63	1/4	871.81	1/4	517.33	1/4	158.17	1/4	1/4	1/4	1/4	1/4		1/4	
1/2	1,945.08	1/2	1,583.87	1/2	1,225.10	1/2	864.30	1/2	509.81	1/2	150.85	1/2	1/2	1/2	1/2	1/2		1/2	
3/4	1,937.55	3/4	1,576.43	3/4	1,217.57	3/4	856.78	3/4	502.27	3/4	143.55	3/4	3/4	3/4	3/4	3/4		3/4	
4	1,930.02	4	1,568.99	4	1,210.04	4	849.27	4	494.74	4	136.24	4	4	4	4	4		4	
1/4	1,922.49	1/4	1,561.55	1/4	1,202.50	1/4	841.76	1/4	487.21	1/4	128.94	1/4	1/4	1/4	1/4	1/4		1/4	
1/2	1,914.96	1/2	1,554.12	1/2	1,194.97	1/2	834.25	1/2	479.68	1/2	121.63	1/2	1/2	1/2	1/2	1/2		1/2	
3/4	1,907.42	3/4	1,546.72	3/4	1,187.44	3/4	826.90	3/4	472.15	3/4	114.35	3/4	3/4	3/4	3/4	3/4		3/4	
5	1,899.89	5	1,539.33	5	1,179.91	5	819.55	5	464.62	5	107.07	5	5	5	5	5		5	
1/4	1,892.36	1/4	1,531.94	1/4	1,172.37	1/4	812.20	1/4	457.08	1/4	99.78	1/4	1/4	1/4	1/4	1/4		1/4	
1/2	1,884.83	1/2	1,524.55	1/2	1,164.84	1/2	804.85	1/2	449.55	1/2	92.50	1/2	1/2	1/2	1/2	1/2		1/2	
3/4	1,877.29	3/4	1,517.16	3/4	1,157.31	3/4	797.53	3/4	442.02	3/4	85.74	3/4	3/4	3/4	3/4	3/4		3/4	
6	1,869.76	6	1,509.78	6	1,149.78	6	790.20	6	434.49	6	78.98	6	6	6	6	6		6	
1/4	1,862.23	1/4	1,502.39	1/4	1,142.25	1/4	782.88	1/4	426.96	1/4	72.22	1/4	1/4	1/4	1/4	1/4		1/4	
1/2	1,854.70	1/2	1,495.01	1/2	1,134.71	1/2	775.55	1/2	419.42	1/2	65.47	1/2	1/2	1/2	1/2	1/2		1/2	
3/4	1,847.17	3/4	1,487.62	3/4	1,127.20	3/4	768.23	3/4	411.89	3/4	59.87	3/4	3/4	3/4	3/4	3/4		3/4	
7	1,839.63	7	1,480.24	7	1,119.68	7	760.90	7	404.36	7	54.27	7	7	7	7	7		7	
1/4	1,832.10	1/4	1,472.85	1/4	1,112.17	1/4	753.58	1/4	396.83	1/4	48.67	1/4	1/4	1/4	1/4	1/4		1/4	
1/2	1,824.57	1/2	1,465.47	1/2	1,104.65	1/2	746.25	1/2	389.29	1/2	43.08	1/2	1/2	1/2	1/2	1/2		1/2	
3/4	1,817.04	3/4	1,458.08	3/4	1,097.14	3/4	738.94	3/4	381.76	3/4	38.73	3/4	3/4	3/4	3/4	3/4		3/4	
8	1,809.50	8	1,450.70	8	1,089.63	8	731.62	8	374.23	8	34.39	8	8	8	8	8		8	
1/4	1,801.97	1/4	1,443.31	1/4	1,082.11	1/4	724.30	1/4	366.70	1/4	30.05	1/4	1/4	1/4	1/4	1/4		1/4	
1/2	1,794.44	1/2	1,435.93	1/2	1,074.60	1/2	716.99	1/2	359.16	1/2	25.71	1/2	1/2	1/2	1/2	1/2		1/2	
3/4	1,786.91	3/4	1,428.41	3/4	1,067.09	3/4	709.67	3/4	351.63	3/4		3/4	3/4	3/4	3/4	3/4		3/4	
9	1,779.38	9	1,420.90	9	1,059.57	9	702.36	9	344.10	9		9	9	9	9	9		9	
1/4	1,771.84	1/4	1,413.39	1/4	1,052.06	1/4	695.05	1/4	336.57	1/4		1/4	1/4	1/4	1/4	1/4		1/4	
1/2	1,764.31	1/2	1,405.87	1/2	1,044.55	1/2	687.73	1/2	329.04	1/2		1/2	1/2	1/2	1/2	1/2		1/2	
3/4	1,756.78	3/4	1,398.34	3/4	1,037.04	3/4	680.42	3/4	321.50	3/4		3/4	3/4	3/4	3/4	3/4		3/4	
10	1,749.25	10	1,390.81	10	1,029.53	10	673.10	10	313.97	10		10	10	10	10	10		10	
1/4	1,741.71	1/4	1,383.28	1/4	1,022.02	1/4	665.79	1/4	306.44	1/4		1/4	1/4	1/4	1/4	1/4		1/4	
1/2	1,734.18	1/2	1,375.74	1/2	1,014.51	1/2	658.47	1/2	298.91	1/2		1/2	1/2	1/2	1/2	1/2		1/2	
3/4	1,726.65	3/4	1,368.21	3/4	1,006.99	3/4	651.16	3/4	291.38	3/4		3/4	3/4	3/4	3/4	3/4		3/4	
11	1,719.12	11	1,360.68	11	999.48	11	643.85	11	283.86	11		11	11	11	11	11		11	
1/4	1,711.59	1/4	1,353.15	1/4	991.97	1/4	636.53	1/4	276.34	1/4		1/4	1/4	1/4	1/4	1/4		1/4	
1/2	1,704.05	1/2	1,345.62	1/2	984.46	1/2	629.22	1/2	268.81	1/2		1/2	1/2	1/2	1/2	1/2		1/2	
3/4	1,696.52	3/4	1,338.08	3/4	976.95	3/4	621.90	3/4	261.29	3/4		3/4	3/4	3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/27/2018 CL
CALCULATED: 10/03/2018 CL
PRINTED: 10/04/2018 CL

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2018



BARGE "EMS 3048"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	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 EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD

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



BARGE "EMS 3048"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

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	
0	2,046.24	0	1,686.56	0	1,331.19	0	971.90	0	618.70	0	259.93	0		0		0		0	
1/4	2,038.75	1/4	1,679.07	1/4	1,323.70	1/4	964.43	1/4	611.42	1/4	252.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,031.26	1/2	1,671.57	1/2	1,316.20	1/2	956.96	1/2	604.15	1/2	244.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,023.76	3/4	1,664.08	3/4	1,308.71	3/4	949.49	3/4	596.87	3/4	237.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,016.27	1	1,656.59	1	1,301.22	1	942.02	1	589.41	1	230.18	1	1	1	1	1	1	1	1
1/4	2,008.78	1/4	1,649.09	1/4	1,293.72	1/4	934.54	1/4	581.96	1/4	222.88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,001.28	1/2	1,641.60	1/2	1,286.23	1/2	927.07	1/2	574.50	1/2	215.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,993.79	3/4	1,634.11	3/4	1,278.73	3/4	919.60	3/4	567.04	3/4	208.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,986.30	2	1,626.61	2	1,271.24	2	912.13	2	559.56	2	201.00	2	2	2	2	2	2	2	2
1/4	1,978.80	1/4	1,619.12	1/4	1,263.75	1/4	904.66	1/4	552.08	1/4	193.72	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,971.31	1/2	1,611.63	1/2	1,256.25	1/2	897.18	1/2	544.59	1/2	186.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,963.82	3/4	1,604.13	3/4	1,248.76	3/4	889.71	3/4	537.11	3/4	179.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,956.32	3	1,596.80	3	1,241.27	3	882.24	3	529.63	3	171.89	3	3	3	3	3	3	3	3
1/4	1,948.83	1/4	1,589.46	1/4	1,233.77	1/4	874.77	1/4	522.14	1/4	164.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,941.34	1/2	1,582.12	1/2	1,226.28	1/2	867.30	1/2	514.66	1/2	157.34	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,933.84	3/4	1,574.79	3/4	1,218.78	3/4	859.82	3/4	507.18	3/4	150.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,926.35	4	1,567.47	4	1,211.29	4	852.35	4	499.68	4	142.80	4	4	4	4	4	4	4	4
1/4	1,918.86	1/4	1,560.16	1/4	1,203.80	1/4	844.88	1/4	492.19	1/4	135.53	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,911.36	1/2	1,552.85	1/2	1,196.30	1/2	837.40	1/2	484.70	1/2	128.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,903.87	3/4	1,545.53	3/4	1,188.81	3/4	829.93	3/4	477.21	3/4	121.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,896.38	5	1,538.22	5	1,181.32	5	822.62	5	469.71	5	113.75	5	5	5	5	5	5	5	5
1/4	1,888.88	1/4	1,530.91	1/4	1,173.82	1/4	815.31	1/4	462.22	1/4	106.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,881.39	1/2	1,523.59	1/2	1,166.33	1/2	808.00	1/2	454.72	1/2	99.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,873.89	3/4	1,516.28	3/4	1,158.83	3/4	800.69	3/4	447.23	3/4	92.02	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,866.40	6	1,508.97	6	1,151.34	6	793.40	6	439.74	6	85.30	6	6	6	6	6	6	6	6
1/4	1,858.91	1/4	1,501.65	1/4	1,143.85	1/4	786.11	1/4	432.24	1/4	78.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,851.41	1/2	1,494.34	1/2	1,136.35	1/2	778.83	1/2	424.75	1/2	71.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,843.92	3/4	1,487.03	3/4	1,128.86	3/4	771.54	3/4	417.25	3/4	65.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,836.43	7	1,479.71	7	1,121.38	7	764.25	7	409.76	7	59.56	7	7	7	7	7	7	7	7
1/4	1,828.93	1/4	1,472.40	1/4	1,113.91	1/4	756.97	1/4	402.27	1/4	53.99	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,821.44	1/2	1,465.09	1/2	1,106.43	1/2	749.68	1/2	394.77	1/2	48.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,813.95	3/4	1,457.77	3/4	1,098.95	3/4	742.39	3/4	387.28	3/4	42.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,806.45	8	1,450.46	8	1,091.48	8	735.12	8	379.79	8	38.54	8	8	8	8	8	8	8	8
1/4	1,798.96	1/4	1,443.15	1/4	1,084.00	1/4	727.84	1/4	372.29	1/4	34.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,791.47	1/2	1,435.83	1/2	1,076.53	1/2	720.56	1/2	364.80	1/2	29.90	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,783.97	3/4	1,428.52	3/4	1,069.05	3/4	713.28	3/4	357.30	3/4	25.58	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,776.48	9	1,421.05	9	1,061.58	9	706.01	9	349.81	9		9	9	9	9	9	9	9	9
1/4	1,768.99	1/4	1,413.58	1/4	1,054.10	1/4	698.73	1/4	342.32	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,761.49	1/2	1,406.11	1/2	1,046.63	1/2	691.46	1/2	334.82	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,754.00	3/4	1,398.64	3/4	1,039.15	3/4	684.18	3/4	327.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,746.51	10	1,391.14	10	1,031.68	10	676.90	10	319.83	10		10	10	10	10	10	10	10	10
1/4	1,739.01	1/4	1,383.65	1/4	1,024.21	1/4	669.63	1/4	312.34	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,731.52	1/2	1,376.15	1/2	1,016.74	1/2	662.35	1/2	304.85	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,724.03	3/4	1,368.66	3/4	1,009.26	3/4	655.08	3/4	297.35	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,716.53	11	1,361.17	11	1,001.79	11	647.80	11	289.87	11		11	11	11	11	11	11	11	11
1/4	1,709.04	1/4	1,353.67	1/4	994.32	1/4	640.53	1/4	282.38	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,701.55	1/2	1,346.18	1/2	986.85	1/2	633.25	1/2	274.90	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,694.05	3/4	1,338.69	3/4	979.38	3/4	625.97	3/4	267.41	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: 09/27/2018 CL
CALCULATED: 10/03/2018 CL
PRINTED: 10/04/2018 CL

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2018



BARGE "EMS 3048"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,741.29	0	3,549.01	0	3,355.89	0	3,161.60	0	2,936.42	0	2,710.84	0	2,371.35
1/4		1/4		1/4		1/4	3,737.30	1/4	3,544.99	1/4	3,351.87	1/4	3,157.00	1/4	2,931.72	1/4	2,706.13	1/4	2,363.92
1/2		1/2		1/2		1/2	3,733.31	1/2	3,540.96	1/2	3,347.84	1/2	3,152.39	1/2	2,927.03	1/2	2,701.43	1/2	2,356.48
3/4		3/4		3/4		3/4	3,729.31	3/4	3,536.94	3/4	3,343.82	3/4	3,147.70	3/4	2,922.33	3/4	2,696.73	3/4	2,349.04
1		1		1		1	3,725.31	1	3,532.92	1	3,339.80	1	3,143.01	1	2,917.63	1	2,692.03	1	2,341.61
1/4		1/4		1/4		1/4	3,721.31	1/4	3,528.89	1/4	3,335.77	1/4	3,138.32	1/4	2,912.93	1/4	2,687.33	1/4	2,334.17
1/2		1/2		1/2		1/2	3,717.31	1/2	3,524.87	1/2	3,331.75	1/2	3,133.62	1/2	2,908.23	1/2	2,682.63	1/2	2,326.74
3/4		3/4		3/4		3/4	3,713.31	3/4	3,520.85	3/4	3,327.73	3/4	3,128.93	3/4	2,903.54	3/4	2,677.52	3/4	2,319.30
2		2		2		2	3,709.31	2	3,516.82	2	3,323.70	2	3,124.24	2	2,898.84	2	2,668.41	2	2,311.87
1/4		1/4		1/4		1/4	3,705.30	1/4	3,512.80	1/4	3,319.68	1/4	3,119.55	1/4	2,894.14	1/4	2,664.14	1/4	2,304.43
1/2		1/2		1/2		1/2	3,701.30	1/2	3,508.78	1/2	3,315.66	1/2	3,114.86	1/2	2,889.44	1/2	2,659.44	1/2	2,297.00
3/4		3/4		3/4		3/4	3,697.30	3/4	3,504.75	3/4	3,311.64	3/4	3,110.17	3/4	2,884.75	3/4	2,654.75	3/4	2,289.56
3		3		3		3	3,693.30	3	3,500.73	3	3,307.61	3	3,105.48	3	2,880.05	3	2,649.79	3	2,282.13
1/4		1/4		1/4		1/4	3,689.29	1/4	3,496.71	1/4	3,303.59	1/4	3,100.78	1/4	2,875.35	1/4	2,645.04	1/4	2,274.69
1/2		1/2		1/2		1/2	3,685.29	1/2	3,492.68	1/2	3,299.57	1/2	3,096.09	1/2	2,870.65	1/2	2,640.34	1/2	2,267.26
3/4		3/4		3/4		3/4	3,681.29	3/4	3,488.66	3/4	3,295.54	3/4	3,091.40	3/4	2,865.95	3/4	2,635.64	3/4	2,259.82
4		4		4		4	3,677.28	4	3,484.64	4	3,291.52	4	3,086.71	4	2,861.26	4	2,630.88	4	2,252.39
1/4		1/4		1/4		1/4	3,673.28	1/4	3,480.61	1/4	3,287.50	1/4	3,082.02	1/4	2,856.56	1/4	2,626.13	1/4	2,244.95
1/2		1/2		1/2		1/2	3,669.28	1/2	3,476.59	1/2	3,283.47	1/2	3,077.33	1/2	2,851.86	1/2	2,621.43	1/2	2,237.52
3/4		3/4		3/4		3/4	3,665.28	3/4	3,472.57	3/4	3,279.45	3/4	3,072.64	3/4	2,847.16	3/4	2,616.73	3/4	2,230.08
5		5		5		5	3,661.27	5	3,468.54	5	3,275.43	5	3,067.95	5	2,842.46	5	2,612.03	5	2,222.65
1/4		1/4		1/4		1/4	3,657.27	1/4	3,464.52	1/4	3,271.40	1/4	3,063.25	1/4	2,837.77	1/4	2,607.28	1/4	2,215.21
1/2		1/2		1/2		1/2	3,653.27	1/2	3,460.50	1/2	3,267.38	1/2	3,058.56	1/2	2,833.07	1/2	2,602.58	1/2	2,207.77
3/4		3/4		3/4		3/4	3,649.27	3/4	3,456.47	3/4	3,263.36	3/4	3,053.87	3/4	2,828.37	3/4	2,597.88	3/4	2,200.32
6		6		6		6	3,645.26	6	3,452.45	6	3,259.33	6	3,049.17	6	2,823.67	6	2,593.13	6	2,192.87
1/4		1/4		1/4		1/4	3,641.26	1/4	3,448.43	1/4	3,255.31	1/4	3,044.47	1/4	2,818.97	1/4	2,588.43	1/4	2,185.42
1/2		1/2		1/2		1/2	3,637.26	1/2	3,444.40	1/2	3,251.29	1/2	3,039.78	1/2	2,814.26	1/2	2,583.68	1/2	2,177.97
3/4		3/4		3/4		3/4	3,633.26	3/4	3,440.38	3/4	3,247.26	3/4	3,035.08	3/4	2,809.56	3/4	2,578.93	3/4	2,170.52
7		7		7		7	3,791.84	7	3,436.36	7	3,243.24	7	3,030.38	7	2,804.86	7	2,574.19	7	2,163.07
1/4		1/4		1/4		1/4	3,791.76	1/4	3,432.33	1/4	3,239.22	1/4	3,025.68	1/4	2,800.16	1/4	2,569.45	1/4	2,155.61
1/2		1/2		1/2		1/2	3,791.68	1/2	3,428.31	1/2	3,235.19	1/2	3,020.98	1/2	2,795.46	1/2	2,564.70	1/2	2,148.16
3/4		3/4		3/4		3/4	3,790.53	3/4	3,424.29	3/4	3,231.17	3/4	3,016.29	3/4	2,790.76	3/4	2,559.95	3/4	2,140.69
8		8		8		8	3,789.38	8	3,420.26	8	3,227.15	8	3,011.59	8	2,786.06	8	2,555.20	8	2,133.22
1/4		1/4		1/4		1/4	3,788.23	1/4	3,416.24	1/4	3,223.12	1/4	3,006.89	1/4	2,781.35	1/4	2,550.45	1/4	2,125.76
1/2		1/2		1/2		1/2	3,787.08	1/2	3,412.22	1/2	3,219.10	1/2	3,002.19	1/2	2,776.65	1/2	2,545.70	1/2	2,118.29
3/4		3/4		3/4		3/4	3,784.86	3/4	3,408.19	3/4	3,215.08	3/4	2,997.49	3/4	2,771.95	3/4	2,540.95	3/4	2,110.86
9		9		9		9	3,782.64	9	3,404.17	9	3,211.05	9	2,992.80	9	2,767.25	9	2,536.20	9	2,103.42
1/4		1/4		1/4		1/4	3,780.41	1/4	3,593.23	1/4	3,400.15	1/4	3,207.03	1/4	2,988.10	1/4	2,762.55	1/4	2,453.29
1/2		1/2		1/2		1/2	3,778.19	1/2	3,589.23	1/2	3,396.12	1/2	3,203.01	1/2	2,983.40	1/2	2,757.85	1/2	2,445.84
3/4		3/4		3/4		3/4	3,774.86	3/4	3,585.21	3/4	3,392.10	3/4	3,198.98	3/4	2,978.70	3/4	2,753.15	3/4	2,438.39
10		10		10		10	3,771.54	10	3,581.19	10	3,388.08	10	3,194.96	10	2,974.01	10	2,748.45	10	2,433.68
1/4		1/4		1/4		1/4	3,768.21	1/4	3,577.17	1/4	3,384.05	1/4	3,190.94	1/4	2,969.31	1/4	2,743.74	1/4	2,428.93
1/2		1/2		1/2		1/2	3,764.89	1/2	3,573.15	1/2	3,380.03	1/2	3,186.91	1/2	2,964.61	1/2	2,739.04	1/2	2,424.22
3/4		3/4		3/4		3/4	3,760.98	3/4	3,569.13	3/4	3,376.01	3/4	3,182.89	3/4	2,959.91	3/4	2,734.34	3/4	2,419.51
11		11		11		11	3,757.08	11	3,565.10	11	3,371.98	11	3,178.87	11	2,955.21	11	2,729.64	11	2,414.80
1/4		1/4		1/4		1/4	3,753.17	1/4	3,561.08	1/4	3,367.96	1/4	3,174.84	1/4	2,950.52	1/4	2,724.94	1/4	2,410.09
1/2		1/2		1/2		1/2	3,749.27	1/2	3,557.06	1/2	3,363.94	1/2	3,170.82	1/2	2,945.82	1/2	2,720.24	1/2	2,405.38
3/4		3/4		3/4		3/4	3,745.28	3/4	3,553.03	3/4	3,359.91	3/4	3,166.21	3/4	2,941.12	3/4	2,715.54	3/4	2,400.67

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD

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BARGE "EMS 3048"

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

Table with columns for gauge height (IN) and capacity (0-19 FT) in barrels. Includes rows for 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 feet.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/27/2018 CL
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CANCELS AND SUPERCEDES ALL PRIOR TO 10/2018

