BARGE "E2MS 102"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**
1 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
3 CENTER	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8

(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 3 CENTER IS 00-3/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8'

LENGTH BETWEEN DRAFT MARKS: 166'-09"

August 1, 2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588

http://www.pmacorp.net

BARGE "E2MS 102"

1 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	3,316.14	0	3,099.52	0	2,882.89	0	2,666.28	0	2,419.46	0	2,167.37	0	1,915.27	0	1,663.89
1/4		1/4		1/4	3,311.63	1/4	3,095.00	1/4	2,878.38	1/4	2,661.79	1/4	2,414.21	1/4	2,162.12	1/4	1,910.02	1/4	1,658.64
1/2		1/2		1/2	3,307.12	1/2	3,090.49	1/2	2,873.87	1/2	2,657.29	1/2	2,408.96	1/2	2,156.86	1/2	1,904.77	1/2	1,653.39
3/4		3/4	3,496.41	3/4	3,302.60	3/4	3,085.98	3/4	2,869.35	3/4	2,652.79	3/4	2,403.71	3/4	2,151.61	3/4	1,899.52	3/4	1,648.14
1		1	3,495.54	1	3,298.09	1	3,081.47	1	2,864.84	1	2,648.29	1	2,398.46	1	2,146.36	1	1,894.26	1	1,642.89
1/4		1/4	3,494.66	1/4	3,293.58	1/4	3,076.95	1/4	2,860.33	1/4	2,643.79	1/4	2,393.20	1/4	2,141.11	1/4	1,889.01	1/4	1,637.64
1/2		1/2	3,493.78	1/2	3,289.06	1/2	3,072.44	1/2	2,855.82	1/2	2,639.29	1/2	2,387.95	1/2	2,135.86	1/2	1,883.76	1/2	1,632.39
3/4		3/4	3,492.91	3/4	3,284.55	3/4	3,067.93	3/4	2,851.30	3/4	2,634.80	3/4	2,382.70	3/4	2,130.60	3/4	1,878.51	3/4	1,627.14
2		2	3,490.27	2	3,280.04	2	3,063.41	2	2,846.79	2	2,629.54	2	2,377.45	2	2,125.35	2	1,873.27	2	1,621.89
1/4		1/4	3,487.64	1/4	3,275.52	1/4	3,058.90	1/4	2,842.28	1/4	2,624.29	1/4	2,372.20	1/4	2,120.10	1/4	1,868.04	1/4	1,616.64
1/2		1/2	3,485.01	1/2	3,271.01	1/2	3,054.39	1/2	2,837.76	1/2	2,619.04	1/2	2,366.94	1/2	2,114.85	1/2	1,862.80	1/2	1,611.39
3/4		3/4	3,482.38	3/4	3,266.50	3/4	3,049.87	3/4	2,833.25	3/4	2,613.79	3/4	2,361.69	3/4	2,109.60	3/4	1,857.57	3/4	1,606.14
3		3	3,477.99	3	3,261.99	3	3,045.36	3	2,828.74	3	2,608.54	3	2,356.44	3	2,104.34	3	1,852.34	3	1,600.90
1/4		1/4	3,473.60	1/4	3,257.47	1/4	3,040.85	1/4	2,824.22	1/4	2,603.28	1/4	2,351.19	1/4	2,099.09	1/4	1,847.10	1/4	1,595.65
1/2		1/2	3,469.22	1/2	3,252.96	1/2	3,036.34	1/2	2,819.71	1/2	2,598.03	1/2	2,345.94	1/2	2,093.84	1/2	1,841.87	1/2	1,590.40
3/4		3/4	3,464.83	3/4	3,248.45	3/4	3,031.82	3/4	2,815.20	3/4	2,592.78	3/4	2,340.68	3/4	2,088.59	3/4	1,836.63	3/4	1,585.15
4		4	3,460.37	4	3,243.93	4	3,027.31	4	2,810.69	4	2,587.53	4	2,335.43	4	2,083.34	4	1,831.40	4	1,579.90
1/4		1/4	3,455.90	1/4	3,239.42	1/4	3,022.80	1/4	2,806.17	1/4	2,582.28	1/4	2,330.18	1/4	2,078.08	1/4	1,826.16	1/4	1,574.65
1/2		1/2	3,451.43	1/2	3,234.91	1/2	3,018.28	1/2	2,801.66	1/2	2,577.02	1/2	2,324.93	1/2	2,072.83	1/2	1,820.93	1/2	1,569.40
3/4		3/4	3,446.96	3/4	3,230.39	3/4	3,013.77	3/4	2,797.15	3/4	2,571.77	3/4	2,319.68	3/4	2,067.58	3/4	1,815.70	3/4	1,564.15
5		5	3,442.46	5	3,225.88	5	3,009.26	5	2,792.63	5	2,566.52	5	2,314.42	5	2,062.33	5	1,810.46	5	1,558.91
1/4		1/4	3,437.96	1/4	3,221.37	1/4	3,004.74	1/4	2,788.12	1/4	2,561.27	1/4	2,309.17	1/4	2,057.08	1/4	1,805.23	1/4	1,553.66
1/2		1/2	3,433.46	1/2	3,216.86	1/2	3,000.23	1/2	2,783.61	1/2	2,556.02	1/2	2,303.92	1/2	2,051.82	1/2	1,799.99	1/2	1,548.41
3/4		3/4	3,428.96	3/4	3,212.34	3/4	2,995.72	3/4	2,779.09	3/4	2,550.76	3/4	2,298.67	3/4	2,046.57	3/4	1,794.76	3/4	1,543.16
6		6	3,424.45	6	3,207.83	6	2,991.21	6	2,774.58	6	2,545.51	6	2,293.42	6	2,041.32	6	1,789.52	6	1,537.91
1/4		1/4	3,419.94	1/4	3,203.32	1/4	2,986.69	1/4	2,770.07	1/4	2,540.26	1/4	2,288.16	1/4	2,036.07	1/4	1,784.29	1/4	1,532.66
1/2		1/2	3,415.43	1/2	3,198.80	1/2	2,982.18	1/2	2,765.56	1/2	2,535.01	1/2	2,282.91	1/2	2,030.82	1/2	1,779.06	1/2	1,527.41
3/4		3/4	3,410.91	3/4	3,194.29	3/4	2,977.67	3/4	2,761.04	3/4	2,529.76	3/4	2,277.66	3/4	2,025.56	3/4	1,773.82	3/4	1,522.16
7		7	3,406.40	7	3,189.78	7	2,973.15	7	2,756.53	7	2,524.50	7	2,272.41	7	2,020.31	7	1,768.59	7	1,516.91
1/4		1/4	3,401.89	1/4	3,185.26	1/4	2,968.64	1/4	2,752.02	1/4	2,519.25	1/4	2,267.16	1/4	2,015.06	1/4	1,763.35	1/4	1,511.67
1/2		1/2	3,397.38	1/2	3,180.75	1/2	2,964.13	1/2	2,747.50	1/2	2,514.00	1/2	2,261.90	1/2	2,009.81	1/2	1,758.12	1/2	1,506.42
3/4		3/4	3,392.86	3/4	3,176.24	3/4	2,959.61	3/4	2,742.99	3/4	2,508.75	3/4	2,256.65	3/4	2,004.56	3/4	1,752.88	3/4	1,501.17
8		8	3,388.35	8	3,171.73	8	2,955.10	8	2,738.48	8	2,503.50	8	2,251.40	8	1,999.30	8	1,747.65	8	1,495.92
1/4		1/4	3,383.84	1/4	3,167.21	1/4	2,950.59	1/4	2,733.96	1/4	2,498.24	1/4	2,246.15	1/4	1,994.05	1/4	1,742.42	1/4	1,490.67
1/2		1/2	3,379.32	1/2	3,162.70	1/2	2,946.08	1/2	2,729.45	1/2	2,492.99	1/2	2,240.90	1/2	1,988.80	1/2	1,737.18	1/2	1,485.42
3/4		3/4	3,374.81	3/4	3,158.19	3/4	2,941.56	3/4	2,724.94	3/4	2,487.74	3/4	2,235.64	3/4	1,983.55	3/4	1,731.95	3/4	1,480.17
9		9	3,370.30	9	3,153.67	9	2,937.05	9	2,720.43	9	2,482.49	9	2,230.39	9	1,978.30	9	1,726.71	9	1,474.92
1/4		1/4	3,365.78	1/4	3,149.16	1/4	2,932.54	1/4	2,715.91	1/4	2,477.24	1/4	2,225.14	1/4	1,973.04	1/4	1,721.48	1/4	1,469.67
1/2		1/2	3,361.27	1/2	3,144.65	1/2	2,928.02	1/2	2,711.40	1/2	2,471.98	1/2	2,219.89	1/2	1,967.79	1/2	1,716.24	1/2	1,464.41
3/4		3/4	3,356.76	3/4	3,140.13	3/4	2,923.51	3/4	2,706.89	3/4	2,466.73	3/4	2,214.64	3/4	1,962.54	3/4	1,711.01	3/4	1,459.16
10		10	3,352.25	10	3,135.62	10	2,919.00	10	2,702.37	10	2,461.48	10	2,209.38	10	1,957.29	10	1,705.78	10	1,453.91
1/4		1/4	3,347.73	1/4	3,131.11	1/4	2,914.48	1/4	2,697.86	1/4	2,456.23	1/4	2,204.13	1/4	1,952.04	1/4	1,700.54	1/4	1,448.66
1/2		1/2	3,343.22	1/2	3,126.60	1/2	2,909.97	1/2	2,693.35	1/2	2,450.98	1/2	2,198.88	1/2	1,946.78	1/2	1,695.31	1/2	1,443.41
3/4		3/4	3,338.71	3/4	3,122.08	3/4	2,905.46	3/4	2,688.83	3/4	2,445.72	3/4	2,193.63	3/4	1,941.53	3/4	1,690.07	3/4	1,438.16
11		11	3,334.19	11	3,117.57	11	2,900.95	11	2,684.32	11	2,440.47	11	2,188.38	11	1,936.28	11	1,684.84	11	1,432.91
1/4		1/4	3,329.68	1/4	3,113.06	1/4	2,896.43	1/4	2,679.81	1/4	2,435.22	1/4	2,183.12	1/4	1,931.03	1/4	1,679.60	1/4	1,427.66
1/2		1/2	3,325.17	1/2	3,108.54	1/2	2,891.92	1/2	2,675.30	1/2	2,429.97	1/2	2,177.87	1/2	1,925.78	1/2	1,674.37	1/2	1,422.41
3/4		3/4	3,320.65	3/4	3,104.03	3/4	2,887.41	3/4	2,670.78	3/4	2,424.72	3/4	2,172.62	3/4	1,920.52	3/4	1,669.14	3/4	1,417.16

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 TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-03" FORWARD OF AFT BULKHEAD

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

BARGE "E2MS 102"

1 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,411.91	0	1,159.89	0	907.86	0	661.00	0	409.30	0	156.54	0		0		0		0	
1/4	1,406.66	1/4	1,154.64	1/4	902.61	1/4	655.90	1/4	404.03	1/4	151.28	1/4		1/4		1/4		1/4	
1/2	1,401.41	1/2	1,149.38	1/2	897.36	1/2	650.81	1/2	398.77	1/2	146.01	1/2		1/2		1/2		1/2	
3/4	1,396.16	3/4	1,144.13	3/4	892.11	3/4	645.72	3/4	393.50	3/4	140.74	3/4		3/4		3/4		3/4	
1	1,390.91	1	1,138.88	1	886.86	1	640.59	1	388.24	1	135.48	1		1		1		1	
1/4	1,385.66	1/4	1,133.63	1/4	881.61	1/4	635.46	1/4	382.97	1/4	130.21	1/4		1/4		1/4		1/4	
1/2	1,380.41	1/2	1,128.38	1/2	876.36	1/2	630.33	1/2	377.71	1/2	124.95	1/2		1/2		1/2		1/2	
3/4	1,375.16	3/4	1,123.13	3/4	871.11	3/4	625.20	3/4	372.44	3/4	119.68	3/4		3/4		3/4		3/4	
2	1,369.91	2	1,117.88	2	865.86	2	619.93	2	367.17	2	114.42	2		2		2		2	
1/4	1,364.66	1/4	1,112.63	1/4	860.61	1/4	614.67	1/4	361.91	1/4	109.15	1/4		1/4		1/4		1/4	
1/2	1,359.40	1/2	1,107.38	1/2	855.36	1/2	609.40	1/2	356.64	1/2	103.88	1/2		1/2		1/2		1/2	
3/4	1,354.15	3/4	1,102.13	3/4	850.11	3/4	604.14	3/4	351.38	3/4	98.62	3/4		3/4		3/4		3/4	
3	1,348.90	3	1,096.88	3	844.86	3	598.87	3	346.11	3	93.35	3		3		3		3	
1/4	1,343.65	1/4	1,091.63	1/4	839.61	1/4	593.60	1/4	340.85	1/4	88.09	1/4		1/4		1/4		1/4	
1/2	1,338.40	1/2	1,086.38	1/2	834.35	1/2	588.34	1/2	335.58	1/2	82.83	1/2		1/2		1/2		1/2	
3/4	1,333.15	3/4	1,081.13	3/4	829.10	3/4	583.07	3/4	330.31	3/4	77.56	3/4		3/4		3/4		3/4	
4	1,327.90	4	1,075.88	4	823.99	4	577.81	4	325.05	4	72.31	4		4		4		4	
1/4	1,322.65	1/4	1,070.63	1/4	818.87	1/4	572.54	1/4	319.78	1/4	67.06	1/4		1/4		1/4		1/4	
1/2	1,317.40	1/2	1,065.38	1/2	813.75	1/2	567.27	1/2	314.52	1/2	61.80	1/2		1/2		1/2		1/2	
3/4	1,312.15	3/4	1,060.13	3/4	808.64	3/4	562.01	3/4	309.25	3/4	56.55	3/4		3/4		3/4		3/4	
5	1,306.90	5	1,054.88	5	803.54	5	556.74	5	303.98	5	51.33	5		5		5		5	
1/4	1,301.65	1/4	1,049.63	1/4	798.45	1/4	551.48	1/4	298.72	1/4	46.11	1/4		1/4		1/4		1/4	
1/2	1,296.40	1/2	1,044.37	1/2	793.36	1/2	546.21	1/2	293.45	1/2	40.89	1/2		1/2		1/2		1/2	
3/4	1,291.15	3/4	1,039.12	3/4	788.26	3/4	540.95	3/4	288.19	3/4	35.67	3/4		3/4		3/4		3/4	
6	1,285.90	6	1,033.87	6	783.17	6	535.68	6	282.92	6	31.28	6		6		6		6	
1/4	1,280.65	1/4	1,028.62	1/4	778.08	1/4	530.41	1/4	277.66	1/4	26.90	1/4		1/4		1/4		1/4	
1/2	1,275.40	1/2	1,023.37	1/2	772.98	1/2	525.15	1/2	272.39	1/2	22.51	1/2		1/2		1/2		1/2	
3/4	1,270.15	3/4	1,018.12	3/4	767.89	3/4	519.88	3/4	267.12	3/4	18.13	3/4		3/4		3/4		3/4	
7	1,264.90	7	1,012.87	7	762.80	7	514.62	7	261.86	7	15.50	7		7		7		7	
1/4	1,259.65	1/4	1,007.62	1/4	757.70	1/4	509.35	1/4	256.59	1/4	12.86	1/4		1/4		1/4		1/4	
1/2	1,254.39	1/2	1,002.37	1/2	752.61	1/2	504.08	1/2	251.33	1/2	10.23	1/2		1/2		1/2		1/2	
3/4	1,249.14	3/4	997.12	3/4	747.52	3/4	498.82	3/4	246.06	3/4	7.60	3/4		3/4		3/4		3/4	
8	1,243.89	8	991.87	8	742.42	8	493.55	8	240.79	8	6.72	8		8		8		8	
1/4	1,238.64	1/4	986.62	1/4	737.33	1/4	488.29	1/4	235.53	1/4	5.85	1/4		1/4		1/4		1/4	
1/2	1,233.39	1/2	981.37	1/2	732.24	1/2	483.02	1/2	230.26	1/2	4.97	1/2		1/2		1/2		1/2	
3/4	1,228.14	3/4	976.12	3/4	727.14	3/4	477.76	3/4	225.00	3/4	4.09	3/4		3/4		3/4		3/4	
9	1,222.89	9	970.87	9	722.06	9	472.49	9	219.73	9		9		9		9		9	
1/4	1,217.64	1/4	965.62	1/4	716.97	1/4	467.22	1/4	214.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,212.39	1/2	960.37	1/2	711.89	1/2	461.96	1/2	209.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,207.14	3/4	955.12	3/4	706.80	3/4	456.69	3/4	203.93	3/4		3/4		3/4		3/4		3/4	
10	1,201.89	10	949.87	10	701.72	10	451.43	10	198.67	10		10		10		10		10	
1/4	1,196.64	1/4	944.62	1/4	696.63	1/4	446.16	1/4	193.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,191.39	1/2	939.36	1/2	691.55	1/2	440.90	1/2	188.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,186.14	3/4	934.11	3/4	686.46	3/4	435.63	3/4	182.87	3/4		3/4		3/4		3/4		3/4	
11	1,180.89	11	928.86	11	681.37	11	430.36	11	177.61	11		11		11		11		11	
1/4	1,175.64	1/4	923.61	1/4	676.28	1/4	425.10	1/4	172.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,170.39	1/2	918.36	1/2	671.18	1/2	419.83	1/2	167.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,165.14	3/4	913.11	3/4	666.09	3/4	414.57	3/4	161.81	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2018 CL
CALCULATED : 08/01/2018 CL
PRINTED: 08/01/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2018

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

BARGE "E2MS 102"

2 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	3,733.84	0	3,458.89	0	3,183.95	0	2,909.01	0	2,634.06	0	2,359.12	0	2,084.17	0	1,809.23
1/4		1/4		1/4	3,728.11	1/4	3,453.17	1/4	3,178.22	1/4	2,903.28	1/4	2,628.33	1/4	2,353.39	1/4	2,078.45	1/4	1,803.50
1/2		1/2		1/2	3,722.38	1/2	3,447.44	1/2	3,172.49	1/2	2,897.55	1/2	2,622.61	1/2	2,347.66	1/2	2,072.72	1/2	1,797.77
3/4		3/4	3,956.97	3/4	3,716.65	3/4	3,441.71	3/4	3,166.77	3/4	2,891.82	3/4	2,616.88	3/4	2,341.93	3/4	2,066.99	3/4	1,792.05
1		1	3,956.01	1	3,710.93	1	3,435.98	1	3,161.04	1	2,886.09	1	2,611.15	1	2,336.21	1	2,061.26	1	1,786.32
1/4		1/4	3,955.06	1/4	3,705.20	1/4	3,430.25	1/4	3,155.31	1/4	2,880.37	1/4	2,605.42	1/4	2,330.48	1/4	2,055.53	1/4	1,780.59
1/2		1/2	3,954.11	1/2	3,699.47	1/2	3,424.53	1/2	3,149.58	1/2	2,874.64	1/2	2,599.69	1/2	2,324.75	1/2	2,049.81	1/2	1,774.86
3/4		3/4	3,953.15	3/4	3,693.74	3/4	3,418.80	3/4	3,143.85	3/4	2,868.91	3/4	2,593.97	3/4	2,319.02	3/4	2,044.08	3/4	1,769.13
2		2	3,950.29	2	3,688.01	2	3,413.07	2	3,138.13	2	2,863.18	2	2,588.24	2	2,313.29	2	2,038.35	2	1,763.41
1/4		1/4	3,947.43	1/4	3,682.29	1/4	3,407.34	1/4	3,132.40	1/4	2,857.45	1/4	2,582.51	1/4	2,307.57	1/4	2,032.62	1/4	1,757.68
1/2		1/2	3,944.56	1/2	3,676.56	1/2	3,401.61	1/2	3,126.67	1/2	2,851.73	1/2	2,576.78	1/2	2,301.84	1/2	2,026.89	1/2	1,751.95
3/4		3/4	3,941.70	3/4	3,670.83	3/4	3,395.89	3/4	3,120.94	3/4	2,846.00	3/4	2,571.05	3/4	2,296.11	3/4	2,021.17	3/4	1,746.22
3		3	3,936.93	3	3,665.10	3	3,390.16	3	3,115.21	3	2,840.27	3	2,565.33	3	2,290.38	3	2,015.44	3	1,740.49
1/4		1/4	3,932.16	1/4	3,659.37	1/4	3,384.43	1/4	3,109.49	1/4	2,834.54	1/4	2,559.60	1/4	2,284.65	1/4	2,009.71	1/4	1,734.77
1/2		1/2	3,927.39	1/2	3,653.65	1/2	3,378.70	1/2	3,103.76	1/2	2,828.81	1/2	2,553.87	1/2	2,278.93	1/2	2,003.98	1/2	1,729.04
3/4		3/4	3,922.62	3/4	3,647.92	3/4	3,372.97	3/4	3,098.03	3/4	2,823.09	3/4	2,548.14	3/4	2,273.20	3/4	1,998.25	3/4	1,723.31
4		4	3,916.94	4	3,642.19	4	3,367.25	4	3,092.30	4	2,817.36	4	2,542.41	4	2,267.47	4	1,992.53	4	1,717.58
1/4		1/4	3,911.26	1/4	3,636.46	1/4	3,361.52	1/4	3,086.57	1/4	2,811.63	1/4	2,536.69	1/4	2,261.74	1/4	1,986.80	1/4	1,711.85
1/2		1/2	3,905.58	1/2	3,630.73	1/2	3,355.79	1/2	3,080.85	1/2	2,805.90	1/2	2,530.96	1/2	2,256.01	1/2	1,981.07	1/2	1,706.13
3/4		3/4	3,899.90	3/4	3,625.01	3/4	3,350.06	3/4	3,075.12	3/4	2,800.17	3/4	2,525.23	3/4	2,250.29	3/4	1,975.34	3/4	1,700.40
5		5	3,894.19	5	3,619.28	5	3,344.33	5	3,069.39	5	2,794.45	5	2,519.50	5	2,244.56	5	1,969.61	5	1,694.67
1/4		1/4	3,888.48	1/4	3,613.55	1/4	3,338.61	1/4	3,063.66	1/4	2,788.72	1/4	2,513.77	1/4	2,238.83	1/4	1,963.89	1/4	1,688.94
1/2		1/2	3,882.76	1/2	3,607.82	1/2	3,332.88	1/2	3,057.93	1/2	2,782.99	1/2	2,508.05	1/2	2,233.10	1/2	1,958.16	1/2	1,683.21
3/4		3/4	3,877.05	3/4	3,602.09	3/4	3,327.15	3/4	3,052.21	3/4	2,777.26	3/4	2,502.32	3/4	2,227.37	3/4	1,952.43	3/4	1,677.49
6		6	3,871.32	6	3,596.37	6	3,321.42	6	3,046.48	6	2,771.53	6	2,496.59	6	2,221.65	6	1,946.70	6	1,671.76
1/4		1/4	3,865.59	1/4	3,590.64	1/4	3,315.69	1/4	3,040.75	1/4	2,765.81	1/4	2,490.86	1/4	2,215.92	1/4	1,940.97	1/4	1,666.03
1/2		1/2	3,859.86	1/2	3,584.91	1/2	3,309.97	1/2	3,035.02	1/2	2,760.08	1/2	2,485.13	1/2	2,210.19	1/2	1,935.25	1/2	1,660.30
3/4		3/4	3,854.13	3/4	3,579.18	3/4	3,304.24	3/4	3,029.29	3/4	2,754.35	3/4	2,479.41	3/4	2,204.46	3/4	1,929.52	3/4	1,654.57
7		7	3,848.40	7	3,573.45	7	3,298.51	7	3,023.57	7	2,748.62	7	2,473.68	7	2,198.73	7	1,923.79	7	1,648.85
1/4		1/4	3,842.67	1/4	3,567.73	1/4	3,292.78	1/4	3,017.84	1/4	2,742.89	1/4	2,467.95	1/4	2,193.01	1/4	1,918.06	1/4	1,643.12
1/2		1/2	3,836.94	1/2	3,562.00	1/2	3,287.05	1/2	3,012.11	1/2	2,737.17	1/2	2,462.22	1/2	2,187.28	1/2	1,912.33	1/2	1,637.39
3/4		3/4	3,831.21	3/4	3,556.27	3/4	3,281.33	3/4	3,006.38	3/4	2,731.44	3/4	2,456.49	3/4	2,181.55	3/4	1,906.61	3/4	1,631.66
8		8	3,825.49	8	3,550.54	8	3,275.60	8	3,000.65	8	2,725.71	8	2,450.77	8	2,175.82	8	1,900.88	8	1,625.93
1/4		1/4	3,819.76	1/4	3,544.81	1/4	3,269.87	1/4	2,994.93	1/4	2,719.98	1/4	2,445.04	1/4	2,170.09	1/4	1,895.15	1/4	1,620.21
1/2		1/2	3,814.03	1/2	3,539.09	1/2	3,264.14	1/2	2,989.20	1/2	2,714.25	1/2	2,439.31	1/2	2,164.37	1/2	1,889.42	1/2	1,614.48
3/4		3/4	3,808.30	3/4	3,533.36	3/4	3,258.41	3/4	2,983.47	3/4	2,708.53	3/4	2,433.58	3/4	2,158.64	3/4	1,883.69	3/4	1,608.75
9		9	3,802.57	9	3,527.63	9	3,252.69	9	2,977.74	9	2,702.80	9	2,427.85	9	2,152.91	9	1,877.97	9	1,603.02
1/4		1/4	3,796.85	1/4	3,521.90	1/4	3,246.96	1/4	2,972.01	1/4	2,697.07	1/4	2,422.13	1/4	2,147.18	1/4	1,872.24	1/4	1,597.29
1/2		1/2	3,791.12	1/2	3,516.17	1/2	3,241.23	1/2	2,966.29	1/2	2,691.34	1/2	2,416.40	1/2	2,141.45	1/2	1,866.51	1/2	1,591.57
3/4		3/4	3,785.39	3/4	3,510.45	3/4	3,235.50	3/4	2,960.56	3/4	2,685.61	3/4	2,410.67	3/4	2,135.73	3/4	1,860.78	3/4	1,585.84
10		10	3,779.66	10	3,504.72	10	3,229.77	10	2,954.83	10	2,679.89	10	2,404.94	10	2,130.00	10	1,855.05	10	1,580.11
1/4		1/4	3,773.93	1/4	3,498.99	1/4	3,224.05	1/4	2,949.10	1/4	2,674.16	1/4	2,399.21	1/4	2,124.27	1/4	1,849.33	1/4	1,574.38
1/2		1/2	3,768.21	1/2	3,493.26	1/2	3,218.32	1/2	2,943.37	1/2	2,668.43	1/2	2,393.49	1/2	2,118.54	1/2	1,843.60	1/2	1,568.65
3/4		3/4	3,762.48	3/4	3,487.53	3/4	3,212.59	3/4	2,937.65	3/4	2,662.70	3/4	2,387.76	3/4	2,112.81	3/4	1,837.87	3/4	1,562.93
11		11	3,756.75	11	3,481.81	11	3,206.86	11	2,931.92	11	2,656.97	11	2,382.03	11	2,107.09	11	1,832.14	11	1,557.20
1/4		1/4	3,751.02	1/4	3,476.08	1/4	3,201.13	1/4	2,926.19	1/4	2,651.25	1/4	2,376.30	1/4	2,101.36	1/4	1,826.41	1/4	1,551.47
1/2		1/2	3,745.29	1/2	3,470.35	1/2	3,195.41	1/2	2,920.46	1/2	2,645.52	1/2	2,370.57	1/2	2,095.63	1/2	1,820.69	1/2	1,545.74
3/4		3/4	3,739.57	3/4	3,464.62	3/4	3,189.68	3/4	2,914.73	3/4	2,639.79	3/4	2,364.85	3/4	2,089.90	3/4	1,814.96	3/4	1,540.01

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 TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD

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

BARGE "E2MS 102"

2 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,534.29	0	1,259.34	0	984.40	0	714.79	0	441.38	0	166.45	0		0		0		0	
1/4	1,528.56	1/4	1,253.61	1/4	978.67	1/4	709.23	1/4	435.66	1/4	160.72	1/4		1/4		1/4		1/4	
1/2	1,522.83	1/2	1,247.89	1/2	972.94	1/2	703.68	1/2	429.93	1/2	154.99	1/2		1/2		1/2		1/2	
3/4	1,517.10	3/4	1,242.16	3/4	967.21	3/4	698.12	3/4	424.20	3/4	149.27	3/4		3/4		3/4		3/4	
1	1,511.37	1	1,236.43	1	961.49	1	692.56	1	418.47	1	143.54	1		1		1		1	
1/4	1,505.65	1/4	1,230.70	1/4	955.76	1/4	687.01	1/4	412.75	1/4	137.81	1/4		1/4		1/4		1/4	
1/2	1,499.92	1/2	1,224.97	1/2	950.03	1/2	681.45	1/2	407.02	1/2	132.08	1/2		1/2		1/2		1/2	
3/4	1,494.19	3/4	1,219.25	3/4	944.30	3/4	675.89	3/4	401.29	3/4	126.36	3/4		3/4		3/4		3/4	
2	1,488.46	2	1,213.52	2	938.57	2	670.25	2	395.56	2	120.63	2		2		2		2	
1/4	1,482.73	1/4	1,207.79	1/4	932.85	1/4	664.60	1/4	389.83	1/4	114.90	1/4		1/4		1/4		1/4	
1/2	1,477.01	1/2	1,202.06	1/2	927.12	1/2	658.96	1/2	384.11	1/2	109.17	1/2		1/2		1/2		1/2	
3/4	1,471.28	3/4	1,196.33	3/4	921.39	3/4	653.31	3/4	378.38	3/4	103.44	3/4		3/4		3/4		3/4	
3	1,465.55	3	1,190.61	3	915.66	3	647.59	3	372.65	3	97.72	3		3		3		3	
1/4	1,459.82	1/4	1,184.88	1/4	909.93	1/4	641.86	1/4	366.92	1/4	91.99	1/4		1/4		1/4		1/4	
1/2	1,454.09	1/2	1,179.15	1/2	904.21	1/2	636.13	1/2	361.20	1/2	86.27	1/2		1/2		1/2		1/2	
3/4	1,448.37	3/4	1,173.42	3/4	898.48	3/4	630.40	3/4	355.47	3/4	80.54	3/4		3/4		3/4		3/4	
4	1,442.64	4	1,167.69	4	892.83	4	624.67	4	349.74	4	74.83	4		4		4		4	
1/4	1,436.91	1/4	1,161.97	1/4	887.19	1/4	618.95	1/4	344.01	1/4	69.11	1/4		1/4		1/4		1/4	
1/2	1,431.18	1/2	1,156.24	1/2	881.54	1/2	613.22	1/2	338.28	1/2	63.40	1/2		1/2		1/2		1/2	
3/4	1,425.45	3/4	1,150.51	3/4	875.90	3/4	607.49	3/4	332.56	3/4	57.69	3/4		3/4		3/4		3/4	
5	1,419.73	5	1,144.78	5	870.34	5	601.76	5	326.83	5	52.01	5		5		5		5	
1/4	1,414.00	1/4	1,139.05	1/4	864.78	1/4	596.04	1/4	321.10	1/4	46.33	1/4		1/4		1/4		1/4	
1/2	1,408.27	1/2	1,133.33	1/2	859.23	1/2	590.31	1/2	315.37	1/2	40.65	1/2		1/2		1/2		1/2	
3/4	1,402.54	3/4	1,127.60	3/4	853.67	3/4	584.58	3/4	309.65	3/4	34.97	3/4		3/4		3/4		3/4	
6	1,396.81	6	1,121.87	6	848.11	6	578.85	6	303.92	6	30.20	6		6		6		6	
1/4	1,391.09	1/4	1,116.14	1/4	842.56	1/4	573.12	1/4	298.19	1/4	25.43	1/4		1/4		1/4		1/4	
1/2	1,385.36	1/2	1,110.41	1/2	837.00	1/2	567.40	1/2	292.46	1/2	20.66	1/2		1/2		1/2		1/2	
3/4	1,379.63	3/4	1,104.69	3/4	831.45	3/4	561.67	3/4	286.73	3/4	15.89	3/4		3/4		3/4		3/4	
7	1,373.90	7	1,098.96	7	825.89	7	555.94	7	281.01	7	13.03	7		7		7		7	
1/4	1,368.17	1/4	1,093.23	1/4	820.34	1/4	550.21	1/4	275.28	1/4	10.17	1/4		1/4		1/4		1/4	
1/2	1,362.45	1/2	1,087.50	1/2	814.78	1/2	544.49	1/2	269.55	1/2	7.30	1/2		1/2		1/2		1/2	
3/4	1,356.72	3/4	1,081.77	3/4	809.23	3/4	538.76	3/4	263.82	3/4	4.44	3/4		3/4		3/4		3/4	
8	1,350.99	8	1,076.05	8	803.67	8	533.03	8	258.10	8	3.49	8		8		8		8	
1/4	1,345.26	1/4	1,070.32	1/4	798.11	1/4	527.30	1/4	252.37	1/4	2.53	1/4		1/4		1/4		1/4	
1/2	1,339.53	1/2	1,064.59	1/2	792.56	1/2	521.57	1/2	246.64	1/2	1.58	1/2		1/2		1/2		1/2	
3/4	1,333.81	3/4	1,058.86	3/4	787.00	3/4	515.85	3/4	240.91	3/4	0.63	3/4		3/4		3/4		3/4	
9	1,328.08	9	1,053.13	9	781.45	9	510.12	9	235.18	9		9		9		9		9	
1/4	1,322.35	1/4	1,047.41	1/4	775.89	1/4	504.39	1/4	229.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,316.62	1/2	1,041.68	1/2	770.34	1/2	498.66	1/2	223.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,310.89	3/4	1,035.95	3/4	764.78	3/4	492.94	3/4	218.00	3/4		3/4		3/4		3/4		3/4	
10	1,305.17	10	1,030.22	10	759.23	10	487.21	10	212.27	10		10		10		10		10	
1/4	1,299.44	1/4	1,024.49	1/4	753.67	1/4	481.48	1/4	206.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,293.71	1/2	1,018.77	1/2	748.12	1/2	475.75	1/2	200.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,287.98	3/4	1,013.04	3/4	742.56	3/4	470.02	3/4	195.09	3/4		3/4		3/4		3/4		3/4	
11	1,282.25	11	1,007.31	11	737.01	11	464.30	11	189.36	11		11		11		11		11	
1/4	1,276.53	1/4	1,001.58	1/4	731.45	1/4	458.57	1/4	183.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,270.80	1/2	995.85	1/2	725.90	1/2	452.84	1/2	177.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,265.07	3/4	990.13	3/4	720.34	3/4	447.11	3/4	172.18	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2018 CL
CALCULATED : 08/01/2018 CL
PRINTED: 08/01/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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http://www.pmacorp.net

BARGE "E2MS 102"

3 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 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	3,301.17	0	3,059.24	0	2,817.30	0	2,575.37	0	2,333.43	0	2,091.50	0	1,849.56	0	1,607.63
1/4		1/4		1/4	3,296.13	1/4	3,054.20	1/4	2,812.26	1/4	2,570.33	1/4	2,328.39	1/4	2,086.46	1/4	1,844.52	1/4	1,602.59
1/2		1/2		1/2	3,291.09	1/2	3,049.16	1/2	2,807.22	1/2	2,565.29	1/2	2,323.35	1/2	2,081.42	1/2	1,839.48	1/2	1,597.55
3/4		3/4		3/4	3,286.05	3/4	3,044.12	3/4	2,802.18	3/4	2,560.25	3/4	2,318.31	3/4	2,076.38	3/4	1,834.44	3/4	1,592.51
1		1		1	3,281.01	1	3,039.08	1	2,797.14	1	2,555.21	1	2,313.27	1	2,071.34	1	1,829.40	1	1,587.47
1/4		1/4	3,487.40	1/4	3,275.97	1/4	3,034.04	1/4	2,792.10	1/4	2,550.17	1/4	2,308.23	1/4	2,066.30	1/4	1,824.36	1/4	1,582.43
1/2		1/2	3,486.57	1/2	3,270.93	1/2	3,028.99	1/2	2,787.06	1/2	2,545.13	1/2	2,303.19	1/2	2,061.26	1/2	1,819.32	1/2	1,577.39
3/4		3/4	3,485.73	3/4	3,265.89	3/4	3,023.95	3/4	2,782.02	3/4	2,540.09	3/4	2,298.15	3/4	2,056.22	3/4	1,814.28	3/4	1,572.35
2		2	3,484.89	2	3,260.85	2	3,018.91	2	2,776.98	2	2,535.05	2	2,293.11	2	2,051.18	2	1,809.24	2	1,567.31
1/4		1/4	3,484.05	1/4	3,255.81	1/4	3,013.87	1/4	2,771.94	1/4	2,530.01	1/4	2,288.07	1/4	2,046.14	1/4	1,804.20	1/4	1,562.27
1/2		1/2	3,481.53	1/2	3,250.77	1/2	3,008.83	1/2	2,766.90	1/2	2,524.96	1/2	2,283.03	1/2	2,041.10	1/2	1,799.16	1/2	1,557.23
3/4		3/4	3,479.01	3/4	3,245.73	3/4	3,003.79	3/4	2,761.86	3/4	2,519.92	3/4	2,277.99	3/4	2,036.06	3/4	1,794.12	3/4	1,552.19
3		3	3,476.49	3	3,240.69	3	2,998.75	3	2,756.82	3	2,514.88	3	2,272.95	3	2,031.02	3	1,789.08	3	1,547.15
1/4		1/4	3,473.97	1/4	3,235.65	1/4	2,993.71	1/4	2,751.78	1/4	2,509.84	1/4	2,267.91	1/4	2,025.98	1/4	1,784.04	1/4	1,542.11
1/2		1/2	3,469.77	1/2	3,230.61	1/2	2,988.67	1/2	2,746.74	1/2	2,504.80	1/2	2,262.87	1/2	2,020.93	1/2	1,779.00	1/2	1,537.07
3/4		3/4	3,465.57	3/4	3,225.57	3/4	2,983.63	3/4	2,741.70	3/4	2,499.76	3/4	2,257.83	3/4	2,015.89	3/4	1,773.96	3/4	1,532.03
4		4	3,461.38	4	3,220.53	4	2,978.59	4	2,736.66	4	2,494.72	4	2,252.79	4	2,010.85	4	1,768.92	4	1,526.99
1/4		1/4	3,457.18	1/4	3,215.49	1/4	2,973.55	1/4	2,731.62	1/4	2,489.68	1/4	2,247.75	1/4	2,005.81	1/4	1,763.88	1/4	1,521.95
1/2		1/2	3,452.18	1/2	3,210.45	1/2	2,968.51	1/2	2,726.58	1/2	2,484.64	1/2	2,242.71	1/2	2,000.77	1/2	1,758.84	1/2	1,516.90
3/4		3/4	3,447.19	3/4	3,205.41	3/4	2,963.47	3/4	2,721.54	3/4	2,479.60	3/4	2,237.67	3/4	1,995.73	3/4	1,753.80	3/4	1,511.86
5		5	3,442.19	5	3,200.37	5	2,958.43	5	2,716.50	5	2,474.56	5	2,232.63	5	1,990.69	5	1,748.76	5	1,506.82
1/4		1/4	3,437.19	1/4	3,195.32	1/4	2,953.39	1/4	2,711.46	1/4	2,469.52	1/4	2,227.59	1/4	1,985.65	1/4	1,743.72	1/4	1,501.78
1/2		1/2	3,432.16	1/2	3,190.28	1/2	2,948.35	1/2	2,706.42	1/2	2,464.48	1/2	2,222.55	1/2	1,980.61	1/2	1,738.68	1/2	1,496.74
3/4		3/4	3,427.14	3/4	3,185.24	3/4	2,943.31	3/4	2,701.38	3/4	2,459.44	3/4	2,217.51	3/4	1,975.57	3/4	1,733.64	3/4	1,491.70
6		6	3,422.11	6	3,180.20	6	2,938.27	6	2,696.34	6	2,454.40	6	2,212.47	6	1,970.53	6	1,728.60	6	1,486.66
1/4		1/4	3,417.08	1/4	3,175.16	1/4	2,933.23	1/4	2,691.29	1/4	2,449.36	1/4	2,207.43	1/4	1,965.49	1/4	1,723.56	1/4	1,481.62
1/2		1/2	3,412.05	1/2	3,170.12	1/2	2,928.19	1/2	2,686.25	1/2	2,444.32	1/2	2,202.39	1/2	1,960.45	1/2	1,718.52	1/2	1,476.58
3/4		3/4	3,407.01	3/4	3,165.08	3/4	2,923.15	3/4	2,681.21	3/4	2,439.28	3/4	2,197.35	3/4	1,955.41	3/4	1,713.48	3/4	1,471.54
7		7	3,401.97	7	3,160.04	7	2,918.11	7	2,676.17	7	2,434.24	7	2,192.31	7	1,950.37	7	1,708.44	7	1,466.50
1/4		1/4	3,396.94	1/4	3,155.00	1/4	2,913.07	1/4	2,671.13	1/4	2,429.20	1/4	2,187.26	1/4	1,945.33	1/4	1,703.40	1/4	1,461.46
1/2		1/2	3,391.90	1/2	3,149.96	1/2	2,908.03	1/2	2,666.09	1/2	2,424.16	1/2	2,182.22	1/2	1,940.29	1/2	1,698.36	1/2	1,456.42
3/4		3/4	3,386.86	3/4	3,144.92	3/4	2,902.99	3/4	2,661.05	3/4	2,419.12	3/4	2,177.18	3/4	1,935.25	3/4	1,693.32	3/4	1,451.38
8		8	3,381.82	8	3,139.88	8	2,897.95	8	2,656.01	8	2,414.08	8	2,172.14	8	1,930.21	8	1,688.28	8	1,446.34
1/4		1/4	3,376.78	1/4	3,134.84	1/4	2,892.91	1/4	2,650.97	1/4	2,409.04	1/4	2,167.10	1/4	1,925.17	1/4	1,683.23	1/4	1,441.30
1/2		1/2	3,371.74	1/2	3,129.80	1/2	2,887.87	1/2	2,645.93	1/2	2,404.00	1/2	2,162.06	1/2	1,920.13	1/2	1,678.19	1/2	1,436.26
3/4		3/4	3,366.70	3/4	3,124.76	3/4	2,882.83	3/4	2,640.89	3/4	2,398.96	3/4	2,157.02	3/4	1,915.09	3/4	1,673.15	3/4	1,431.22
9		9	3,361.65	9	3,119.72	9	2,877.79	9	2,635.85	9	2,393.92	9	2,151.98	9	1,910.05	9	1,668.11	9	1,426.18
1/4		1/4	3,356.61	1/4	3,114.68	1/4	2,872.75	1/4	2,630.81	1/4	2,388.88	1/4	2,146.94	1/4	1,905.01	1/4	1,663.07	1/4	1,421.14
1/2		1/2	3,351.57	1/2	3,109.64	1/2	2,867.71	1/2	2,625.77	1/2	2,383.84	1/2	2,141.90	1/2	1,899.97	1/2	1,658.03	1/2	1,416.10
3/4		3/4	3,346.53	3/4	3,104.60	3/4	2,862.67	3/4	2,620.73	3/4	2,378.80	3/4	2,136.86	3/4	1,894.93	3/4	1,652.99	3/4	1,411.06
10		10	3,341.49	10	3,099.56	10	2,857.62	10	2,615.69	10	2,373.76	10	2,131.82	10	1,889.89	10	1,647.95	10	1,406.02
1/4		1/4	3,336.45	1/4	3,094.52	1/4	2,852.58	1/4	2,610.65	1/4	2,368.72	1/4	2,126.78	1/4	1,884.85	1/4	1,642.91	1/4	1,400.98
1/2		1/2	3,331.41	1/2	3,089.48	1/2	2,847.54	1/2	2,605.61	1/2	2,363.68	1/2	2,121.74	1/2	1,879.81	1/2	1,637.87	1/2	1,395.94
3/4		3/4	3,326.37	3/4	3,084.44	3/4	2,842.50	3/4	2,600.57	3/4	2,358.64	3/4	2,116.70	3/4	1,874.77	3/4	1,632.83	3/4	1,390.90
11		11	3,321.33	11	3,079.40	11	2,837.46	11	2,595.53	11	2,353.59	11	2,111.66	11	1,869.73	11	1,627.79	11	1,385.86
1/4		1/4	3,316.29	1/4	3,074.36	1/4	2,832.42	1/4	2,590.49	1/4	2,348.55	1/4	2,106.62	1/4	1,864.69	1/4	1,622.75	1/4	1,380.82
1/2		1/2	3,311.25	1/2	3,069.32	1/2	2,827.38	1/2	2,585.45	1/2	2,343.51	1/2	2,101.58	1/2	1,859.65	1/2	1,617.71	1/2	1,375.78
3/4		3/4	3,306.21	3/4	3,064.28	3/4	2,822.34	3/4	2,580.41	3/4	2,338.47	3/4	2,096.54	3/4	1,854.61	3/4	1,612.67	3/4	1,370.74

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 TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD

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

BARGE "E2MS 102"

3 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,365.70	0	1,123.76	0	881.83	0	640.32	0	398.54	0	156.62	0		0		0		0	
1/4	1,360.66	1/4	1,118.72	1/4	876.79	1/4	635.29	1/4	393.50	1/4	151.58	1/4		1/4		1/4		1/4	
1/2	1,355.62	1/2	1,113.68	1/2	871.75	1/2	630.27	1/2	388.46	1/2	146.54	1/2		1/2		1/2		1/2	
3/4	1,350.58	3/4	1,108.64	3/4	866.71	3/4	625.24	3/4	383.42	3/4	141.50	3/4		3/4		3/4		3/4	
1	1,345.53	1	1,103.60	1	861.67	1	620.22	1	378.38	1	136.46	1		1		1		1	
1/4	1,340.49	1/4	1,098.56	1/4	856.63	1/4	615.20	1/4	373.34	1/4	131.42	1/4		1/4		1/4		1/4	
1/2	1,335.45	1/2	1,093.52	1/2	851.59	1/2	610.17	1/2	368.30	1/2	126.38	1/2		1/2		1/2		1/2	
3/4	1,330.41	3/4	1,088.48	3/4	846.55	3/4	605.14	3/4	363.26	3/4	121.34	3/4		3/4		3/4		3/4	
2	1,325.37	2	1,083.44	2	841.50	2	600.11	2	358.22	2	116.30	2		2		2		2	
1/4	1,320.33	1/4	1,078.40	1/4	836.46	1/4	595.09	1/4	353.18	1/4	111.26	1/4		1/4		1/4		1/4	
1/2	1,315.29	1/2	1,073.36	1/2	831.42	1/2	590.05	1/2	348.14	1/2	106.22	1/2		1/2		1/2		1/2	
3/4	1,310.25	3/4	1,068.32	3/4	826.38	3/4	585.02	3/4	343.10	3/4	101.18	3/4		3/4		3/4		3/4	
3	1,305.21	3	1,063.28	3	821.34	3	579.98	3	338.06	3	96.14	3		3		3		3	
1/4	1,300.17	1/4	1,058.24	1/4	816.30	1/4	574.95	1/4	333.02	1/4	91.10	1/4		1/4		1/4		1/4	
1/2	1,295.13	1/2	1,053.20	1/2	811.26	1/2	569.91	1/2	327.98	1/2	86.06	1/2		1/2		1/2		1/2	
3/4	1,290.09	3/4	1,048.16	3/4	806.22	3/4	564.87	3/4	322.94	3/4	81.02	3/4		3/4		3/4		3/4	
4	1,285.05	4	1,043.12	4	801.18	4	559.83	4	317.90	4	75.98	4		4		4		4	
1/4	1,280.01	1/4	1,038.08	1/4	796.14	1/4	554.79	1/4	312.86	1/4	70.94	1/4		1/4		1/4		1/4	
1/2	1,274.97	1/2	1,033.04	1/2	791.11	1/2	549.75	1/2	307.82	1/2	65.92	1/2		1/2		1/2		1/2	
3/4	1,269.93	3/4	1,028.00	3/4	786.07	3/4	544.71	3/4	302.78	3/4	60.89	3/4		3/4		3/4		3/4	
5	1,264.89	5	1,022.96	5	781.04	5	539.67	5	297.74	5	55.86	5		5		5		5	
1/4	1,259.85	1/4	1,017.92	1/4	776.00	1/4	534.63	1/4	292.70	1/4	50.83	1/4		1/4		1/4		1/4	
1/2	1,254.81	1/2	1,012.87	1/2	770.97	1/2	529.59	1/2	287.66	1/2	45.84	1/2		1/2		1/2		1/2	
3/4	1,249.77	3/4	1,007.83	3/4	765.95	3/4	524.55	3/4	282.62	3/4	40.84	3/4		3/4		3/4		3/4	
6	1,244.73	6	1,002.79	6	760.92	6	519.51	6	277.58	6	35.85	6		6		6		6	
1/4	1,239.69	1/4	997.75	1/4	755.89	1/4	514.47	1/4	272.54	1/4	30.85	1/4		1/4		1/4		1/4	
1/2	1,234.65	1/2	992.71	1/2	750.86	1/2	509.43	1/2	267.50	1/2	26.65	1/2		1/2		1/2		1/2	
3/4	1,229.61	3/4	987.67	3/4	745.84	3/4	504.39	3/4	262.46	3/4	22.45	3/4		3/4		3/4		3/4	
7	1,224.57	7	982.63	7	740.82	7	499.35	7	257.42	7	18.26	7		7		7		7	
1/4	1,219.53	1/4	977.59	1/4	735.79	1/4	494.31	1/4	252.38	1/4	14.06	1/4		1/4		1/4		1/4	
1/2	1,214.49	1/2	972.55	1/2	730.77	1/2	489.27	1/2	247.34	1/2	11.54	1/2		1/2		1/2		1/2	
3/4	1,209.45	3/4	967.51	3/4	725.74	3/4	484.23	3/4	242.30	3/4	9.02	3/4		3/4		3/4		3/4	
8	1,204.41	8	962.47	8	720.72	8	479.19	8	237.26	8	6.50	8		8		8		8	
1/4	1,199.37	1/4	957.43	1/4	715.69	1/4	474.15	1/4	232.22	1/4	3.98	1/4		1/4		1/4		1/4	
1/2	1,194.33	1/2	952.39	1/2	710.67	1/2	469.11	1/2	227.18	1/2	3.14	1/2		1/2		1/2		1/2	
3/4	1,189.29	3/4	947.35	3/4	705.64	3/4	464.07	3/4	222.14	3/4	2.30	3/4		3/4		3/4		3/4	
9	1,184.25	9	942.31	9	700.62	9	459.03	9	217.10	9	1.46	9		9		9		9	
1/4	1,179.20	1/4	937.27	1/4	695.59	1/4	453.99	1/4	212.06	1/4	0.63	1/4		1/4		1/4		1/4	
1/2	1,174.16	1/2	932.23	1/2	690.57	1/2	448.95	1/2	207.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,169.12	3/4	927.19	3/4	685.54	3/4	443.91	3/4	201.98	3/4		3/4		3/4		3/4		3/4	
10	1,164.08	10	922.15	10	680.52	10	438.86	10	196.94	10		10		10		10		10	
1/4	1,159.04	1/4	917.11	1/4	675.49	1/4	433.82	1/4	191.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,154.00	1/2	912.07	1/2	670.47	1/2	428.78	1/2	186.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,148.96	3/4	907.03	3/4	665.44	3/4	423.74	3/4	181.82	3/4		3/4		3/4		3/4		3/4	
11	1,143.92	11	901.99	11	660.42	11	418.70	11	176.78	11		11		11		11		11	
1/4	1,138.88	1/4	896.95	1/4	655.39	1/4	413.66	1/4	171.74	1/4		1/4		1/4		1/4		1/4	
1/2	1,133.84	1/2	891.91	1/2	650.37	1/2	408.62	1/2	166.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,128.80	3/4	886.87	3/4	645.34	3/4	403.58	3/4	161.66	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2018 CL
CALCULATED : 08/01/2018 CL
PRINTED: 08/01/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2018

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