



BARGE "E2MS 108"

INNAGE 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 CENTER	- 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 CENTER	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-1/2	01-1/2	- 01-3/4	01-3/4	- 02-1/8	02-1/8
3 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8

(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 CENTER IS 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 168'-00"

May 29, 2020

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

<http://www.pmacorp.net>



BARGE "E2MS 108"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-02"

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	4.29	0	255.50	0	542.72	0	825.08	0	1,108.55	0	1,395.23	0	1,681.92	0	1,967.70	0	2,254.50	0	2,541.30
1/4	5.29	1/4	261.49	1/4	548.70	1/4	830.85	1/4	1,114.52	1/4	1,401.21	1/4	1,687.89	1/4	1,973.68	1/4	2,260.48	1/4	2,547.28
1/2	6.28	1/2	267.47	1/2	554.67	1/2	836.62	1/2	1,120.49	1/2	1,407.18	1/2	1,693.86	1/2	1,979.65	1/2	2,266.45	1/2	2,553.25
3/4	7.28	3/4	273.46	3/4	560.65	3/4	842.39	3/4	1,126.47	3/4	1,413.15	3/4	1,699.84	3/4	1,985.63	3/4	2,272.43	3/4	2,559.23
1	8.28	1	279.45	1	566.63	1	848.17	1	1,132.44	1	1,419.12	1	1,705.81	1	1,991.60	1	2,278.40	1	2,565.20
1/4	11.27	1/4	285.44	1/4	572.60	1/4	853.94	1/4	1,138.41	1/4	1,425.10	1/4	1,711.78	1/4	1,997.58	1/4	2,284.38	1/4	2,571.18
1/2	14.27	1/2	291.43	1/2	578.58	1/2	859.71	1/2	1,144.38	1/2	1,431.07	1/2	1,717.75	1/2	2,003.55	1/2	2,290.35	1/2	2,577.15
3/4	17.26	3/4	297.41	3/4	584.55	3/4	865.48	3/4	1,150.36	3/4	1,437.04	3/4	1,723.73	3/4	2,009.53	3/4	2,296.33	3/4	2,583.13
2	20.26	2	303.40	2	590.53	2	871.25	2	1,156.33	2	1,443.01	2	1,729.70	2	2,015.50	2	2,302.30	2	2,589.10
1/4	25.24	1/4	309.39	1/4	596.51	1/4	877.02	1/4	1,162.30	1/4	1,448.99	1/4	1,735.65	1/4	2,021.48	1/4	2,308.28	1/4	2,595.08
1/2	30.23	1/2	315.38	1/2	602.48	1/2	882.80	1/2	1,168.27	1/2	1,454.96	1/2	1,741.60	1/2	2,027.45	1/2	2,314.25	1/2	2,601.05
3/4	35.22	3/4	321.37	3/4	608.46	3/4	888.57	3/4	1,174.25	3/4	1,460.93	3/4	1,747.55	3/4	2,033.43	3/4	2,320.23	3/4	2,607.03
3	40.21	3	327.35	3	614.44	3	894.34	3	1,180.22	3	1,466.90	3	1,753.50	3	2,039.40	3	2,326.20	3	2,613.00
1/4	46.14	1/4	333.34	1/4	620.41	1/4	900.11	1/4	1,186.19	1/4	1,472.88	1/4	1,759.45	1/4	2,045.38	1/4	2,332.18	1/4	2,618.98
1/2	52.08	1/2	339.33	1/2	626.39	1/2	905.88	1/2	1,192.17	1/2	1,478.85	1/2	1,765.40	1/2	2,051.35	1/2	2,338.15	1/2	2,624.95
3/4	58.01	3/4	345.31	3/4	632.37	3/4	911.65	3/4	1,198.14	3/4	1,484.82	3/4	1,771.35	3/4	2,057.33	3/4	2,344.13	3/4	2,630.93
4	63.95	4	351.30	4	638.34	4	917.43	4	1,204.11	4	1,490.80	4	1,777.30	4	2,063.30	4	2,350.10	4	2,636.90
1/4	69.92	1/4	357.29	1/4	644.32	1/4	923.40	1/4	1,210.08	1/4	1,496.77	1/4	1,783.25	1/4	2,069.28	1/4	2,356.08	1/4	2,642.88
1/2	75.90	1/2	363.27	1/2	650.29	1/2	929.37	1/2	1,216.06	1/2	1,502.74	1/2	1,789.20	1/2	2,075.25	1/2	2,362.05	1/2	2,648.85
3/4	81.87	3/4	369.26	3/4	656.27	3/4	935.34	3/4	1,222.03	3/4	1,508.71	3/4	1,795.15	3/4	2,081.23	3/4	2,368.03	3/4	2,654.83
5	87.84	5	375.25	5	662.25	5	941.32	5	1,228.00	5	1,514.69	5	1,801.10	5	2,087.20	5	2,374.00	5	2,660.80
1/4	93.83	1/4	381.23	1/4	668.22	1/4	947.29	1/4	1,233.97	1/4	1,520.66	1/4	1,807.05	1/4	2,093.18	1/4	2,379.98	1/4	2,666.78
1/2	99.81	1/2	387.22	1/2	674.20	1/2	953.26	1/2	1,239.95	1/2	1,526.63	1/2	1,813.00	1/2	2,099.15	1/2	2,385.95	1/2	2,672.75
3/4	105.80	3/4	393.21	3/4	680.18	3/4	959.23	3/4	1,245.92	3/4	1,532.60	3/4	1,818.95	3/4	2,105.13	3/4	2,391.93	3/4	2,678.73
6	111.79	6	399.20	6	686.15	6	965.21	6	1,251.89	6	1,538.58	6	1,824.90	6	2,111.10	6	2,397.90	6	2,684.70
1/4	117.77	1/4	405.18	1/4	691.97	1/4	971.18	1/4	1,257.86	1/4	1,544.55	1/4	1,830.85	1/4	2,117.08	1/4	2,403.88	1/4	2,690.68
1/2	123.76	1/2	411.17	1/2	697.80	1/2	977.15	1/2	1,263.84	1/2	1,550.52	1/2	1,836.80	1/2	2,123.05	1/2	2,409.85	1/2	2,696.65
3/4	129.75	3/4	417.16	3/4	703.62	3/4	983.12	3/4	1,269.81	3/4	1,556.49	3/4	1,842.75	3/4	2,129.03	3/4	2,415.83	3/4	2,702.63
7	135.74	7	423.15	7	709.44	7	989.10	7	1,275.78	7	1,562.47	7	1,848.70	7	2,135.00	7	2,421.80	7	2,708.60
1/4	141.73	1/4	429.14	1/4	715.26	1/4	995.07	1/4	1,281.75	1/4	1,568.44	1/4	1,854.65	1/4	2,140.98	1/4	2,427.78	1/4	2,714.58
1/2	147.71	1/2	435.12	1/2	721.09	1/2	1,001.04	1/2	1,287.73	1/2	1,574.41	1/2	1,860.60	1/2	2,146.95	1/2	2,433.75	1/2	2,720.55
3/4	153.70	3/4	441.11	3/4	726.91	3/4	1,007.01	3/4	1,293.70	3/4	1,580.38	3/4	1,866.55	3/4	2,152.93	3/4	2,439.73	3/4	2,726.53
8	159.69	8	447.10	8	732.73	8	1,012.99	8	1,299.67	8	1,586.36	8	1,872.50	8	2,158.90	8	2,445.70	8	2,732.50
1/4	165.68	1/4	453.08	1/4	738.50	1/4	1,018.96	1/4	1,305.64	1/4	1,592.33	1/4	1,878.45	1/4	2,164.88	1/4	2,451.68	1/4	2,738.48
1/2	171.67	1/2	459.05	1/2	744.27	1/2	1,024.93	1/2	1,311.62	1/2	1,598.30	1/2	1,884.40	1/2	2,170.85	1/2	2,457.65	1/2	2,744.45
3/4	177.65	3/4	465.03	3/4	750.05	3/4	1,030.91	3/4	1,317.59	3/4	1,604.27	3/4	1,890.35	3/4	2,176.83	3/4	2,463.63	3/4	2,750.43
9	183.64	9	471.01	9	755.82	9	1,036.88	9	1,323.56	9	1,610.25	9	1,896.30	9	2,182.80	9	2,469.60	9	2,756.40
1/4	189.63	1/4	476.98	1/4	761.59	1/4	1,042.85	1/4	1,329.54	1/4	1,616.22	1/4	1,902.25	1/4	2,188.78	1/4	2,475.58	1/4	2,762.38
1/2	195.62	1/2	482.96	1/2	767.36	1/2	1,048.82	1/2	1,335.51	1/2	1,622.19	1/2	1,908.20	1/2	2,194.75	1/2	2,481.55	1/2	2,768.35
3/4	201.61	3/4	488.93	3/4	773.13	3/4	1,054.80	3/4	1,341.48	3/4	1,628.17	3/4	1,914.15	3/4	2,200.73	3/4	2,487.53	3/4	2,774.33
10	207.59	10	494.91	10	778.90	10	1,060.77	10	1,347.45	10	1,634.14	10	1,920.10	10	2,206.70	10	2,493.50	10	2,780.30
1/4	213.58	1/4	500.89	1/4	784.68	1/4	1,066.74	1/4	1,353.43	1/4	1,640.11	1/4	1,926.05	1/4	2,212.68	1/4	2,499.48	1/4	2,786.27
1/2	219.57	1/2	506.86	1/2	790.45	1/2	1,072.71	1/2	1,359.40	1/2	1,646.08	1/2	1,932.00	1/2	2,218.65	1/2	2,505.45	1/2	2,792.24
3/4	225.56	3/4	512.84	3/4	796.22	3/4	1,078.69	3/4	1,365.37	3/4	1,652.06	3/4	1,937.95	3/4	2,224.63	3/4	2,511.43	3/4	2,798.20
11	231.55	11	518.82	11	801.99	11	1,084.66	11	1,371.34	11	1,658.03	11	1,943.90	11	2,230.60	11	2,517.40	11	2,804.17
1/4	237.53	1/4	524.79	1/4	807.76	1/4	1,090.63	1/4	1,377.32	1/4	1,664.00	1/4	1,949.85	1/4	2,236.58	1/4	2,523.38	1/4	2,810.14
1/2	243.52	1/2	530.77	1/2	813.54	1/2	1,096.60	1/2	1,383.29	1/2	1,669.97	1/2	1,955.80	1/2	2,242.55	1/2	2,529.35	1/2	2,816.10
3/4	249.51	3/4	536.74	3/4	819.31	3/4	1,102.58	3/4	1,389.26	3/4	1,675.95	3/4	1,961.75	3/4	2,248.53	3/4	2,535.33	3/4	2,822.07

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 INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-06" FORWARD OF AFT BULKHEAD

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



BARGE "E2MS 108"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 16'-02"

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	2,828.04	0	3,095.83	0	3,341.73	0	3,587.64	0	3,833.54	0	4,079.89	0		0		0		0	
1/4	2,834.00	1/4	3,100.95	1/4	3,346.86	1/4	3,592.76	1/4	3,838.67	1/4	4,083.88	1/4		1/4		1/4		1/4	
1/2	2,839.97	1/2	3,106.08	1/2	3,351.98	1/2	3,597.88	1/2	3,843.79	1/2	4,087.87	1/2		1/2		1/2		1/2	
3/4	2,845.93	3/4	3,111.20	3/4	3,357.10	3/4	3,603.01	3/4	3,848.91	3/4	4,091.86	3/4		3/4		3/4		3/4	
1	2,851.90	1	3,116.32	1	3,362.23	1	3,608.13	1	3,854.03	1	4,095.85	1		1		1		1	
1/4	2,857.87	1/4	3,121.45	1/4	3,367.35	1/4	3,613.25	1/4	3,859.16	1/4	4,097.85	1/4		1/4		1/4		1/4	
1/2	2,863.83	1/2	3,126.57	1/2	3,372.47	1/2	3,618.38	1/2	3,864.28	1/2	4,099.84	1/2		1/2		1/2		1/2	
3/4	2,869.80	3/4	3,131.69	3/4	3,377.60	3/4	3,623.50	3/4	3,869.40	3/4	4,101.84	3/4		3/4		3/4		3/4	
2	2,875.77	2	3,136.81	2	3,382.72	2	3,628.62	2	3,874.53	2	4,103.83	2		2		2		2	
1/4	2,881.73	1/4	3,141.94	1/4	3,387.84	1/4	3,633.75	1/4	3,879.65	1/4	4,104.33	1/4		1/4		1/4		1/4	
1/2	2,887.70	1/2	3,147.06	1/2	3,392.96	1/2	3,638.87	1/2	3,884.77	1/2	4,104.83	1/2		1/2		1/2		1/2	
3/4	2,893.67	3/4	3,152.18	3/4	3,398.09	3/4	3,643.99	3/4	3,889.90	3/4		3/4		3/4		3/4		3/4	
3	2,899.63	3	3,157.31	3	3,403.21	3	3,649.11	3	3,895.02	3		3		3		3		3	
1/4	2,905.60	1/4	3,162.43	1/4	3,408.33	1/4	3,654.24	1/4	3,900.14	1/4		1/4		1/4		1/4		1/4	
1/2	2,911.57	1/2	3,167.55	1/2	3,413.46	1/2	3,659.36	1/2	3,905.26	1/2		1/2		1/2		1/2		1/2	
3/4	2,917.53	3/4	3,172.68	3/4	3,418.58	3/4	3,664.48	3/4	3,910.39	3/4		3/4		3/4		3/4		3/4	
4	2,923.50	4	3,177.80	4	3,423.70	4	3,669.61	4	3,915.51	4		4		4		4		4	
1/4	2,929.47	1/4	3,182.92	1/4	3,428.83	1/4	3,674.73	1/4	3,920.63	1/4		1/4		1/4		1/4		1/4	
1/2	2,935.43	1/2	3,188.04	1/2	3,433.95	1/2	3,679.85	1/2	3,925.76	1/2		1/2		1/2		1/2		1/2	
3/4	2,941.40	3/4	3,193.17	3/4	3,439.07	3/4	3,684.98	3/4	3,930.88	3/4		3/4		3/4		3/4		3/4	
5	2,947.37	5	3,198.29	5	3,444.19	5	3,690.10	5	3,936.00	5		5		5		5		5	
1/4	2,953.33	1/4	3,203.41	1/4	3,449.32	1/4	3,695.22	1/4	3,941.13	1/4		1/4		1/4		1/4		1/4	
1/2	2,959.30	1/2	3,208.54	1/2	3,454.44	1/2	3,700.34	1/2	3,946.25	1/2		1/2		1/2		1/2		1/2	
3/4	2,965.26	3/4	3,213.66	3/4	3,459.56	3/4	3,705.47	3/4	3,951.37	3/4		3/4		3/4		3/4		3/4	
6	2,971.23	6	3,218.78	6	3,464.69	6	3,710.59	6	3,956.49	6		6		6		6		6	
1/4	2,976.77	1/4	3,223.91	1/4	3,469.81	1/4	3,715.71	1/4	3,961.62	1/4		1/4		1/4		1/4		1/4	
1/2	2,982.30	1/2	3,229.03	1/2	3,474.93	1/2	3,720.84	1/2	3,966.74	1/2		1/2		1/2		1/2		1/2	
3/4	2,987.84	3/4	3,234.15	3/4	3,480.06	3/4	3,725.96	3/4	3,971.86	3/4		3/4		3/4		3/4		3/4	
7	2,993.37	7	3,239.27	7	3,485.18	7	3,731.08	7	3,976.99	7		7		7		7		7	
1/4	2,998.49	1/4	3,244.40	1/4	3,490.30	1/4	3,736.21	1/4	3,982.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,003.62	1/2	3,249.52	1/2	3,495.42	1/2	3,741.33	1/2	3,987.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,008.74	3/4	3,254.64	3/4	3,500.55	3/4	3,746.45	3/4	3,992.36	3/4		3/4		3/4		3/4		3/4	
8	3,013.86	8	3,259.77	8	3,505.67	8	3,751.57	8	3,997.48	8		8		8		8		8	
1/4	3,018.99	1/4	3,264.89	1/4	3,510.79	1/4	3,756.70	1/4	4,002.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,024.11	1/2	3,270.01	1/2	3,515.92	1/2	3,761.82	1/2	4,007.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,029.23	3/4	3,275.14	3/4	3,521.04	3/4	3,766.94	3/4	4,012.85	3/4		3/4		3/4		3/4		3/4	
9	3,034.35	9	3,280.26	9	3,526.16	9	3,772.07	9	4,017.97	9		9		9		9		9	
1/4	3,039.48	1/4	3,285.38	1/4	3,531.29	1/4	3,777.19	1/4	4,023.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,044.60	1/2	3,290.50	1/2	3,536.41	1/2	3,782.31	1/2	4,028.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,049.72	3/4	3,295.63	3/4	3,541.53	3/4	3,787.44	3/4	4,033.32	3/4		3/4		3/4		3/4		3/4	
10	3,054.85	10	3,300.75	10	3,546.65	10	3,792.56	10	4,038.44	10		10		10		10		10	
1/4	3,059.97	1/4	3,305.87	1/4	3,551.78	1/4	3,797.68	1/4	4,043.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,065.09	1/2	3,311.00	1/2	3,556.90	1/2	3,802.80	1/2	4,048.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,070.22	3/4	3,316.12	3/4	3,562.02	3/4	3,807.93	3/4	4,053.72	3/4		3/4		3/4		3/4		3/4	
11	3,075.34	11	3,321.24	11	3,567.15	11	3,813.05	11	4,058.81	11		11		11		11		11	
1/4	3,080.46	1/4	3,326.37	1/4	3,572.27	1/4	3,818.17	1/4	4,064.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,085.58	1/2	3,331.49	1/2	3,577.39	1/2	3,823.30	1/2	4,069.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,090.71	3/4	3,336.61	3/4	3,582.52	3/4	3,828.42	3/4	4,074.62	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/29/2020 JS
CALCULATED: 05/29/2020 CL
PRINTED: 05/29/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

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



BARGE "E2MS 108"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 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	0.73	0	213.56	0	457.08	0	696.96	0	938.10	0	1,181.63	0	1,425.15	0	1,668.67	0	1,912.20	0	2,155.72
1/4	1.58	1/4	218.64	1/4	462.15	1/4	701.89	1/4	943.18	1/4	1,186.70	1/4	1,430.22	1/4	1,673.75	1/4	1,917.27	1/4	2,160.79
1/2	2.42	1/2	223.71	1/2	467.22	1/2	706.81	1/2	948.25	1/2	1,191.77	1/2	1,435.30	1/2	1,678.82	1/2	1,922.34	1/2	2,165.87
3/4	3.27	3/4	228.78	3/4	472.30	3/4	711.73	3/4	953.32	3/4	1,196.85	3/4	1,440.37	3/4	1,683.89	3/4	1,927.42	3/4	2,170.94
1	4.11	1	233.86	1	477.37	1	716.66	1	958.40	1	1,201.92	1	1,445.44	1	1,688.97	1	1,932.49	1	2,176.01
1/4	6.65	1/4	238.93	1/4	482.44	1/4	721.58	1/4	963.47	1/4	1,206.99	1/4	1,450.52	1/4	1,694.04	1/4	1,937.56	1/4	2,181.09
1/2	9.19	1/2	244.00	1/2	487.52	1/2	726.51	1/2	968.54	1/2	1,212.07	1/2	1,455.59	1/2	1,699.11	1/2	1,942.64	1/2	2,186.16
3/4	11.72	3/4	249.08	3/4	492.59	3/4	731.43	3/4	973.62	3/4	1,217.14	3/4	1,460.66	3/4	1,704.19	3/4	1,947.71	3/4	2,191.23
2	14.26	2	254.15	2	497.66	2	736.36	2	978.69	2	1,222.21	2	1,465.74	2	1,709.26	2	1,952.78	2	2,196.31
1/4	18.49	1/4	259.22	1/4	502.74	1/4	741.28	1/4	983.76	1/4	1,227.29	1/4	1,470.81	1/4	1,714.33	1/4	1,957.86	1/4	2,201.38
1/2	22.71	1/2	264.30	1/2	507.81	1/2	746.21	1/2	988.84	1/2	1,232.36	1/2	1,475.88	1/2	1,719.41	1/2	1,962.93	1/2	2,206.45
3/4	26.94	3/4	269.37	3/4	512.88	3/4	751.13	3/4	993.91	3/4	1,237.43	3/4	1,480.96	3/4	1,724.48	3/4	1,968.00	3/4	2,211.53
3	31.16	3	274.44	3	517.96	3	756.06	3	998.98	3	1,242.51	3	1,486.03	3	1,729.55	3	1,973.08	3	2,216.60
1/4	36.19	1/4	279.52	1/4	523.03	1/4	760.98	1/4	1,004.06	1/4	1,247.58	1/4	1,491.10	1/4	1,734.63	1/4	1,978.15	1/4	2,221.67
1/2	41.22	1/2	284.59	1/2	528.10	1/2	765.90	1/2	1,009.13	1/2	1,252.65	1/2	1,496.18	1/2	1,739.70	1/2	1,983.22	1/2	2,226.75
3/4	46.25	3/4	289.66	3/4	533.18	3/4	770.83	3/4	1,014.20	3/4	1,257.73	3/4	1,501.25	3/4	1,744.77	3/4	1,988.30	3/4	2,231.82
4	51.28	4	294.74	4	538.25	4	775.75	4	1,019.28	4	1,262.80	4	1,506.32	4	1,749.85	4	1,993.37	4	2,236.89
1/4	56.34	1/4	299.81	1/4	543.32	1/4	780.83	1/4	1,024.35	1/4	1,267.87	1/4	1,511.40	1/4	1,754.92	1/4	1,998.44	1/4	2,241.97
1/2	61.40	1/2	304.88	1/2	548.40	1/2	785.90	1/2	1,029.42	1/2	1,272.95	1/2	1,516.47	1/2	1,759.99	1/2	2,003.52	1/2	2,247.04
3/4	66.46	3/4	309.96	3/4	553.47	3/4	790.97	3/4	1,034.50	3/4	1,278.02	3/4	1,521.54	3/4	1,765.07	3/4	2,008.59	3/4	2,252.11
5	71.52	5	315.03	5	558.54	5	796.05	5	1,039.57	5	1,283.09	5	1,526.62	5	1,770.14	5	2,013.66	5	2,257.19
1/4	76.59	1/4	320.10	1/4	563.61	1/4	801.12	1/4	1,044.64	1/4	1,288.17	1/4	1,531.69	1/4	1,775.21	1/4	2,018.74	1/4	2,262.26
1/2	81.66	1/2	325.17	1/2	568.69	1/2	806.20	1/2	1,049.72	1/2	1,293.24	1/2	1,536.76	1/2	1,780.29	1/2	2,023.81	1/2	2,267.33
3/4	86.74	3/4	330.25	3/4	573.76	3/4	811.27	3/4	1,054.79	3/4	1,298.31	3/4	1,541.84	3/4	1,785.36	3/4	2,028.88	3/4	2,272.41
6	91.81	6	335.32	6	578.83	6	816.34	6	1,059.87	6	1,303.39	6	1,546.91	6	1,790.43	6	2,033.96	6	2,277.48
1/4	96.88	1/4	340.39	1/4	583.75	1/4	821.42	1/4	1,064.94	1/4	1,308.46	1/4	1,551.98	1/4	1,795.51	1/4	2,039.03	1/4	2,282.55
1/2	101.95	1/2	345.47	1/2	588.67	1/2	826.49	1/2	1,070.01	1/2	1,313.54	1/2	1,557.06	1/2	1,800.58	1/2	2,044.10	1/2	2,287.63
3/4	107.03	3/4	350.54	3/4	593.59	3/4	831.56	3/4	1,075.09	3/4	1,318.61	3/4	1,562.13	3/4	1,805.65	3/4	2,049.18	3/4	2,292.70
7	112.10	7	355.61	7	598.51	7	836.64	7	1,080.16	7	1,323.68	7	1,567.21	7	1,810.73	7	2,054.25	7	2,297.77
1/4	117.17	1/4	360.69	1/4	603.42	1/4	841.71	1/4	1,085.23	1/4	1,328.76	1/4	1,572.28	1/4	1,815.80	1/4	2,059.32	1/4	2,302.85
1/2	122.25	1/2	365.76	1/2	608.34	1/2	846.78	1/2	1,090.31	1/2	1,333.83	1/2	1,577.35	1/2	1,820.88	1/2	2,064.40	1/2	2,307.92
3/4	127.32	3/4	370.83	3/4	613.26	3/4	851.86	3/4	1,095.38	3/4	1,338.90	3/4	1,582.43	3/4	1,825.95	3/4	2,069.47	3/4	2,312.99
8	132.39	8	375.91	8	618.18	8	856.93	8	1,100.45	8	1,343.98	8	1,587.50	8	1,831.02	8	2,074.55	8	2,318.07
1/4	137.47	1/4	380.98	1/4	623.10	1/4	862.00	1/4	1,105.53	1/4	1,349.05	1/4	1,592.57	1/4	1,836.10	1/4	2,079.62	1/4	2,323.14
1/2	142.54	1/2	386.05	1/2	628.03	1/2	867.08	1/2	1,110.60	1/2	1,354.12	1/2	1,597.65	1/2	1,841.17	1/2	2,084.69	1/2	2,328.22
3/4	147.61	3/4	391.13	3/4	632.95	3/4	872.15	3/4	1,115.67	3/4	1,359.20	3/4	1,602.72	3/4	1,846.24	3/4	2,089.77	3/4	2,333.29
9	152.69	9	396.20	9	637.87	9	877.22	9	1,120.75	9	1,364.27	9	1,607.79	9	1,851.32	9	2,094.84	9	2,338.36
1/4	157.76	1/4	401.27	1/4	642.80	1/4	882.30	1/4	1,125.82	1/4	1,369.34	1/4	1,612.87	1/4	1,856.39	1/4	2,099.91	1/4	2,343.44
1/2	162.83	1/2	406.35	1/2	647.72	1/2	887.37	1/2	1,130.89	1/2	1,374.42	1/2	1,617.94	1/2	1,861.46	1/2	2,104.99	1/2	2,348.51
3/4	167.91	3/4	411.42	3/4	652.65	3/4	892.44	3/4	1,135.97	3/4	1,379.49	3/4	1,623.01	3/4	1,866.54	3/4	2,110.06	3/4	2,353.58
10	172.98	10	416.49	10	657.57	10	897.52	10	1,141.04	10	1,384.56	10	1,628.09	10	1,871.61	10	2,115.13	10	2,358.66
1/4	178.05	1/4	421.57	1/4	662.49	1/4	902.59	1/4	1,146.11	1/4	1,389.64	1/4	1,633.16	1/4	1,876.68	1/4	2,120.21	1/4	2,363.73
1/2	183.13	1/2	426.64	1/2	667.42	1/2	907.66	1/2	1,151.19	1/2	1,394.71	1/2	1,638.23	1/2	1,881.76	1/2	2,125.28	1/2	2,368.80
3/4	188.20	3/4	431.71	3/4	672.34	3/4	912.74	3/4	1,156.26	3/4	1,399.78	3/4	1,643.31	3/4	1,886.83	3/4	2,130.35	3/4	2,373.88
11	193.27	11	436.78	11	677.27	11	917.81	11	1,161.33	11	1,404.86	11	1,648.38	11	1,891.90	11	2,135.43	11	2,378.95
1/4	198.34	1/4	441.86	1/4	682.19	1/4	922.88	1/4	1,166.41	1/4	1,409.93	1/4	1,653.45	1/4	1,896.98	1/4	2,140.50	1/4	2,384.02
1/2	203.42	1/2	446.93	1/2	687.11	1/2	927.96	1/2	1,171.48	1/2	1,415.00	1/2	1,658.53	1/2	1,902.05	1/2	2,145.57	1/2	2,389.10
3/4	208.49	3/4	452.00	3/4	692.04	3/4	933.03	3/4	1,176.55	3/4	1,420.08	3/4	1,663.60	3/4	1,907.12	3/4	2,150.65	3/4	2,394.17

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 INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-06" FORWARD OF AFT BULKHEAD

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



BARGE "E2MS 108"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,399.24	0	2,642.77	0	2,886.29	0	3,129.81	0	3,373.34	0	3,615.76	0		0		0		0	
1/4	2,404.32	1/4	2,647.84	1/4	2,891.36	1/4	3,134.89	1/4	3,378.41	1/4	3,619.14	1/4		1/4		1/4		1/4	
1/2	2,409.39	1/2	2,652.91	1/2	2,896.44	1/2	3,139.96	1/2	3,383.48	1/2	3,622.52	1/2		1/2		1/2		1/2	
3/4	2,414.46	3/4	2,657.99	3/4	2,901.51	3/4	3,145.03	3/4	3,388.56	3/4	3,625.91	3/4		3/4		3/4		3/4	
1	2,419.54	1	2,663.06	1	2,906.58	1	3,150.11	1	3,393.63	1	3,629.29	1		1		1		1	
1/4	2,424.61	1/4	2,668.13	1/4	2,911.66	1/4	3,155.18	1/4	3,398.70	1/4	3,630.98	1/4		1/4		1/4		1/4	
1/2	2,429.68	1/2	2,673.21	1/2	2,916.73	1/2	3,160.25	1/2	3,403.78	1/2	3,632.67	1/2		1/2		1/2		1/2	
3/4	2,434.76	3/4	2,678.28	3/4	2,921.80	3/4	3,165.33	3/4	3,408.85	3/4	3,634.36	3/4		3/4		3/4		3/4	
2	2,439.83	2	2,683.35	2	2,926.88	2	3,170.40	2	3,413.92	2	3,636.05	2		2		2		2	
1/4	2,444.90	1/4	2,688.43	1/4	2,931.95	1/4	3,175.47	1/4	3,419.00	1/4	3,636.48	1/4		1/4		1/4		1/4	
1/2	2,449.98	1/2	2,693.50	1/2	2,937.02	1/2	3,180.55	1/2	3,424.07	1/2	3,636.90	1/2		1/2		1/2		1/2	
3/4	2,455.05	3/4	2,698.57	3/4	2,942.10	3/4	3,185.62	3/4	3,429.14	3/4		3/4		3/4		3/4		3/4	
3	2,460.12	3	2,703.65	3	2,947.17	3	3,190.69	3	3,434.22	3		3		3		3		3	
1/4	2,465.20	1/4	2,708.72	1/4	2,952.24	1/4	3,195.77	1/4	3,439.29	1/4		1/4		1/4		1/4		1/4	
1/2	2,470.27	1/2	2,713.79	1/2	2,957.32	1/2	3,200.84	1/2	3,444.36	1/2		1/2		1/2		1/2		1/2	
3/4	2,475.34	3/4	2,718.87	3/4	2,962.39	3/4	3,205.91	3/4	3,449.44	3/4		3/4		3/4		3/4		3/4	
4	2,480.42	4	2,723.94	4	2,967.46	4	3,210.99	4	3,454.51	4		4		4		4		4	
1/4	2,485.49	1/4	2,729.01	1/4	2,972.54	1/4	3,216.06	1/4	3,459.58	1/4		1/4		1/4		1/4		1/4	
1/2	2,490.56	1/2	2,734.09	1/2	2,977.61	1/2	3,221.13	1/2	3,464.66	1/2		1/2		1/2		1/2		1/2	
3/4	2,495.64	3/4	2,739.16	3/4	2,982.68	3/4	3,226.21	3/4	3,469.73	3/4		3/4		3/4		3/4		3/4	
5	2,500.71	5	2,744.23	5	2,987.76	5	3,231.28	5	3,474.80	5		5		5		5		5	
1/4	2,505.78	1/4	2,749.31	1/4	2,992.83	1/4	3,236.35	1/4	3,479.88	1/4		1/4		1/4		1/4		1/4	
1/2	2,510.86	1/2	2,754.38	1/2	2,997.90	1/2	3,241.43	1/2	3,484.95	1/2		1/2		1/2		1/2		1/2	
3/4	2,515.93	3/4	2,759.45	3/4	3,002.98	3/4	3,246.50	3/4	3,490.02	3/4		3/4		3/4		3/4		3/4	
6	2,521.00	6	2,764.53	6	3,008.05	6	3,251.57	6	3,495.10	6		6		6		6		6	
1/4	2,526.08	1/4	2,769.60	1/4	3,013.12	1/4	3,256.65	1/4	3,500.17	1/4		1/4		1/4		1/4		1/4	
1/2	2,531.15	1/2	2,774.67	1/2	3,018.20	1/2	3,261.72	1/2	3,505.24	1/2		1/2		1/2		1/2		1/2	
3/4	2,536.22	3/4	2,779.75	3/4	3,023.27	3/4	3,266.79	3/4	3,510.32	3/4		3/4		3/4		3/4		3/4	
7	2,541.30	7	2,784.82	7	3,028.34	7	3,271.87	7	3,515.39	7		7		7		7		7	
1/4	2,546.37	1/4	2,789.89	1/4	3,033.42	1/4	3,276.94	1/4	3,520.46	1/4		1/4		1/4		1/4		1/4	
1/2	2,551.44	1/2	2,794.97	1/2	3,038.49	1/2	3,282.01	1/2	3,525.54	1/2		1/2		1/2		1/2		1/2	
3/4	2,556.52	3/4	2,800.04	3/4	3,043.56	3/4	3,287.09	3/4	3,530.61	3/4		3/4		3/4		3/4		3/4	
8	2,561.59	8	2,805.11	8	3,048.64	8	3,292.16	8	3,535.68	8		8		8		8		8	
1/4	2,566.66	1/4	2,810.19	1/4	3,053.71	1/4	3,297.23	1/4	3,540.76	1/4		1/4		1/4		1/4		1/4	
1/2	2,571.74	1/2	2,815.26	1/2	3,058.78	1/2	3,302.31	1/2	3,545.83	1/2		1/2		1/2		1/2		1/2	
3/4	2,576.81	3/4	2,820.33	3/4	3,063.86	3/4	3,307.38	3/4	3,550.90	3/4		3/4		3/4		3/4		3/4	
9	2,581.89	9	2,825.41	9	3,068.93	9	3,312.45	9	3,555.98	9		9		9		9		9	
1/4	2,586.96	1/4	2,830.48	1/4	3,074.00	1/4	3,317.53	1/4	3,561.04	1/4		1/4		1/4		1/4		1/4	
1/2	2,592.03	1/2	2,835.56	1/2	3,079.08	1/2	3,322.60	1/2	3,566.11	1/2		1/2		1/2		1/2		1/2	
3/4	2,597.11	3/4	2,840.63	3/4	3,084.15	3/4	3,327.67	3/4	3,571.17	3/4		3/4		3/4		3/4		3/4	
10	2,602.18	10	2,845.70	10	3,089.23	10	3,332.75	10	3,576.24	10		10		10		10		10	
1/4	2,607.25	1/4	2,850.78	1/4	3,094.30	1/4	3,337.82	1/4	3,581.29	1/4		1/4		1/4		1/4		1/4	
1/2	2,612.33	1/2	2,855.85	1/2	3,099.37	1/2	3,342.90	1/2	3,586.33	1/2		1/2		1/2		1/2		1/2	
3/4	2,617.40	3/4	2,860.92	3/4	3,104.45	3/4	3,347.97	3/4	3,591.38	3/4		3/4		3/4		3/4		3/4	
11	2,622.47	11	2,866.00	11	3,109.52	11	3,353.04	11	3,596.43	11		11		11		11		11	
1/4	2,627.55	1/4	2,871.07	1/4	3,114.59	1/4	3,358.12	1/4	3,601.26	1/4		1/4		1/4		1/4		1/4	
1/2	2,632.62	1/2	2,876.14	1/2	3,119.67	1/2	3,363.19	1/2	3,606.10	1/2		1/2		1/2		1/2		1/2	
3/4	2,637.69	3/4	2,881.22	3/4	3,124.74	3/4	3,368.26	3/4	3,610.93	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/29/2020 JS
CALCULATED: 05/29/2020 CL
PRINTED: 05/29/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

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



BARGE "E2MS 108"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03"

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	0.73	0	212.56	0	454.93	0	696.74	0	938.80	0	1,181.18	0	1,423.55	0	1,665.93	0	1,908.30	0	2,150.68
1/4	1.57	1/4	217.61	1/4	459.98	1/4	701.77	1/4	943.85	1/4	1,186.22	1/4	1,428.60	1/4	1,670.98	1/4	1,913.35	1/4	2,155.73
1/2	2.42	1/2	222.66	1/2	465.03	1/2	706.80	1/2	948.90	1/2	1,191.27	1/2	1,433.65	1/2	1,676.03	1/2	1,918.40	1/2	2,160.78
3/4	3.26	3/4	227.71	3/4	470.08	3/4	711.82	3/4	953.95	3/4	1,196.32	3/4	1,438.70	3/4	1,681.08	3/4	1,923.45	3/4	2,165.83
1	4.10	1	232.76	1	475.13	1	716.85	1	959.00	1	1,201.37	1	1,443.75	1	1,686.13	1	1,928.50	1	2,170.88
1/4	6.62	1/4	237.81	1/4	480.17	1/4	721.87	1/4	964.05	1/4	1,206.42	1/4	1,448.80	1/4	1,691.17	1/4	1,933.55	1/4	2,175.93
1/2	9.15	1/2	242.86	1/2	485.22	1/2	726.90	1/2	969.10	1/2	1,211.47	1/2	1,453.85	1/2	1,696.22	1/2	1,938.60	1/2	2,180.98
3/4	11.67	3/4	247.91	3/4	490.27	3/4	731.93	3/4	974.15	3/4	1,216.52	3/4	1,458.90	3/4	1,701.27	3/4	1,943.65	3/4	2,186.03
2	14.20	2	252.96	2	495.32	2	736.95	2	979.20	2	1,221.57	2	1,463.95	2	1,706.32	2	1,948.70	2	2,191.08
1/4	18.40	1/4	258.01	1/4	500.37	1/4	741.99	1/4	984.24	1/4	1,226.62	1/4	1,469.00	1/4	1,711.37	1/4	1,953.75	1/4	2,196.12
1/2	22.61	1/2	263.05	1/2	505.42	1/2	747.02	1/2	989.29	1/2	1,231.67	1/2	1,474.05	1/2	1,716.42	1/2	1,958.80	1/2	2,201.17
3/4	26.81	3/4	268.10	3/4	510.47	3/4	752.05	3/4	994.34	3/4	1,236.72	3/4	1,479.10	3/4	1,721.47	3/4	1,963.85	3/4	2,206.22
3	31.02	3	273.15	3	515.52	3	757.08	3	999.39	3	1,241.77	3	1,484.15	3	1,726.52	3	1,968.90	3	2,211.27
1/4	36.02	1/4	278.20	1/4	520.57	1/4	762.12	1/4	1,004.44	1/4	1,246.82	1/4	1,489.19	1/4	1,731.57	1/4	1,973.95	1/4	2,216.32
1/2	41.03	1/2	283.25	1/2	525.62	1/2	767.15	1/2	1,009.49	1/2	1,251.87	1/2	1,494.24	1/2	1,736.62	1/2	1,979.00	1/2	2,221.37
3/4	46.04	3/4	288.30	3/4	530.67	3/4	772.18	3/4	1,014.54	3/4	1,256.92	3/4	1,499.29	3/4	1,741.67	3/4	1,984.05	3/4	2,226.42
4	51.04	4	293.35	4	535.72	4	777.22	4	1,019.59	4	1,261.97	4	1,504.34	4	1,746.72	4	1,989.10	4	2,231.47
1/4	56.08	1/4	298.40	1/4	540.77	1/4	782.26	1/4	1,024.64	1/4	1,267.02	1/4	1,509.39	1/4	1,751.77	1/4	1,994.14	1/4	2,236.52
1/2	61.11	1/2	303.45	1/2	545.82	1/2	787.31	1/2	1,029.69	1/2	1,272.07	1/2	1,514.44	1/2	1,756.82	1/2	1,999.19	1/2	2,241.57
3/4	66.15	3/4	308.50	3/4	550.86	3/4	792.36	3/4	1,034.74	3/4	1,277.12	3/4	1,519.49	3/4	1,761.87	3/4	2,004.24	3/4	2,246.62
5	71.19	5	313.55	5	555.91	5	797.41	5	1,039.79	5	1,282.17	5	1,524.54	5	1,766.92	5	2,009.29	5	2,251.67
1/4	76.24	1/4	318.60	1/4	560.96	1/4	802.46	1/4	1,044.84	1/4	1,287.21	1/4	1,529.59	1/4	1,771.97	1/4	2,014.34	1/4	2,256.72
1/2	81.28	1/2	323.65	1/2	566.01	1/2	807.51	1/2	1,049.89	1/2	1,292.26	1/2	1,534.64	1/2	1,777.02	1/2	2,019.39	1/2	2,261.77
3/4	86.33	3/4	328.70	3/4	571.06	3/4	812.56	3/4	1,054.94	3/4	1,297.31	3/4	1,539.69	3/4	1,782.07	3/4	2,024.44	3/4	2,266.82
6	91.38	6	333.75	6	576.11	6	817.61	6	1,059.99	6	1,302.36	6	1,544.74	6	1,787.12	6	2,029.49	6	2,271.87
1/4	96.43	1/4	338.79	1/4	581.14	1/4	822.66	1/4	1,065.04	1/4	1,307.41	1/4	1,549.79	1/4	1,792.16	1/4	2,034.54	1/4	2,276.92
1/2	101.48	1/2	343.84	1/2	586.16	1/2	827.71	1/2	1,070.09	1/2	1,312.46	1/2	1,554.84	1/2	1,797.21	1/2	2,039.59	1/2	2,281.97
3/4	106.53	3/4	348.89	3/4	591.19	3/4	832.76	3/4	1,075.14	3/4	1,317.51	3/4	1,559.89	3/4	1,802.26	3/4	2,044.64	3/4	2,287.02
7	111.58	7	353.94	7	596.22	7	837.81	7	1,080.19	7	1,322.56	7	1,564.94	7	1,807.31	7	2,049.69	7	2,292.07
1/4	116.63	1/4	358.99	1/4	601.24	1/4	842.86	1/4	1,085.23	1/4	1,327.61	1/4	1,569.99	1/4	1,812.36	1/4	2,054.74	1/4	2,297.11
1/2	121.67	1/2	364.04	1/2	606.27	1/2	847.91	1/2	1,090.28	1/2	1,332.66	1/2	1,575.04	1/2	1,817.41	1/2	2,059.79	1/2	2,302.16
3/4	126.72	3/4	369.09	3/4	611.30	3/4	852.96	3/4	1,095.33	3/4	1,337.71	3/4	1,580.09	3/4	1,822.46	3/4	2,064.84	3/4	2,307.21
8	131.77	8	374.14	8	616.32	8	858.01	8	1,100.38	8	1,342.76	8	1,585.14	8	1,827.51	8	2,069.89	8	2,312.26
1/4	136.82	1/4	379.19	1/4	621.35	1/4	863.06	1/4	1,105.43	1/4	1,347.81	1/4	1,590.18	1/4	1,832.56	1/4	2,074.94	1/4	2,317.31
1/2	141.87	1/2	384.24	1/2	626.37	1/2	868.11	1/2	1,110.48	1/2	1,352.86	1/2	1,595.23	1/2	1,837.61	1/2	2,079.99	1/2	2,322.36
3/4	146.92	3/4	389.29	3/4	631.40	3/4	873.16	3/4	1,115.53	3/4	1,357.91	3/4	1,600.28	3/4	1,842.66	3/4	2,085.04	3/4	2,327.41
9	151.97	9	394.34	9	636.43	9	878.21	9	1,120.58	9	1,362.96	9	1,605.33	9	1,847.71	9	2,090.09	9	2,332.46
1/4	157.02	1/4	399.39	1/4	641.45	1/4	883.25	1/4	1,125.63	1/4	1,368.01	1/4	1,610.38	1/4	1,852.76	1/4	2,095.13	1/4	2,337.51
1/2	162.07	1/2	404.44	1/2	646.48	1/2	888.30	1/2	1,130.68	1/2	1,373.06	1/2	1,615.43	1/2	1,857.81	1/2	2,100.18	1/2	2,342.56
3/4	167.12	3/4	409.48	3/4	651.51	3/4	893.35	3/4	1,135.73	3/4	1,378.11	3/4	1,620.48	3/4	1,862.86	3/4	2,105.23	3/4	2,347.61
10	172.17	10	414.53	10	656.53	10	898.40	10	1,140.78	10	1,383.16	10	1,625.53	10	1,867.91	10	2,110.28	10	2,352.66
1/4	177.22	1/4	419.58	1/4	661.56	1/4	903.45	1/4	1,145.83	1/4	1,388.20	1/4	1,630.58	1/4	1,872.96	1/4	2,115.33	1/4	2,357.71
1/2	182.27	1/2	424.63	1/2	666.58	1/2	908.50	1/2	1,150.88	1/2	1,393.25	1/2	1,635.63	1/2	1,878.01	1/2	2,120.38	1/2	2,362.76
3/4	187.32	3/4	429.68	3/4	671.61	3/4	913.55	3/4	1,155.93	3/4	1,398.30	3/4	1,640.68	3/4	1,883.06	3/4	2,125.43	3/4	2,367.81
11	192.36	11	434.73	11	676.64	11	918.60	11	1,160.98	11	1,403.35	11	1,645.73	11	1,888.11	11	2,130.48	11	2,372.86
1/4	197.41	1/4	439.78	1/4	681.66	1/4	923.65	1/4	1,166.03	1/4	1,408.40	1/4	1,650.78	1/4	1,893.15	1/4	2,135.53	1/4	2,377.91
1/2	202.46	1/2	444.83	1/2	686.69	1/2	928.70	1/2	1,171.08	1/2	1,413.45	1/2	1,655.83	1/2	1,898.20	1/2	2,140.58	1/2	2,382.96
3/4	207.51	3/4	449.88	3/4	691.72	3/4	933.75	3/4	1,176.13	3/4	1,418.50	3/4	1,660.88	3/4	1,903.25	3/4	2,145.63	3/4	2,388.01

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 INNAGE GAUGES TAKEN TO TOP OF 2" 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 108"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03"

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	2,393.06	0	2,635.43	0	2,877.81	0	3,120.18	0	3,362.56	0	3,603.85	0		0		0		0	
1/4	2,398.10	1/4	2,640.48	1/4	2,882.86	1/4	3,125.23	1/4	3,367.61	1/4	3,607.21	1/4		1/4		1/4		1/4	
1/2	2,403.15	1/2	2,645.53	1/2	2,887.91	1/2	3,130.28	1/2	3,372.66	1/2	3,610.58	1/2		1/2		1/2		1/2	
3/4	2,408.20	3/4	2,650.58	3/4	2,892.96	3/4	3,135.33	3/4	3,377.71	3/4	3,613.95	3/4		3/4		3/4		3/4	
1	2,413.25	1	2,655.63	1	2,898.01	1	3,140.38	1	3,382.76	1	3,617.31	1		1		1		1	
1/4	2,418.30	1/4	2,660.68	1/4	2,903.05	1/4	3,145.43	1/4	3,387.81	1/4	3,619.00	1/4		1/4		1/4		1/4	
1/2	2,423.35	1/2	2,665.73	1/2	2,908.10	1/2	3,150.48	1/2	3,392.86	1/2	3,620.68	1/2		1/2		1/2		1/2	
3/4	2,428.40	3/4	2,670.78	3/4	2,913.15	3/4	3,155.53	3/4	3,397.91	3/4	3,622.36	3/4		3/4		3/4		3/4	
2	2,433.45	2	2,675.83	2	2,918.20	2	3,160.58	2	3,402.96	2	3,624.05	2		2		2		2	
1/4	2,438.50	1/4	2,680.88	1/4	2,923.25	1/4	3,165.63	1/4	3,408.00	1/4	3,624.47	1/4		1/4		1/4		1/4	
1/2	2,443.55	1/2	2,685.93	1/2	2,928.30	1/2	3,170.68	1/2	3,413.05	1/2	3,624.89	1/2		1/2		1/2		1/2	
3/4	2,448.60	3/4	2,690.98	3/4	2,933.35	3/4	3,175.73	3/4	3,418.10	3/4		3/4		3/4		3/4		3/4	
3	2,453.65	3	2,696.03	3	2,938.40	3	3,180.78	3	3,423.15	3		3		3		3		3	
1/4	2,458.70	1/4	2,701.07	1/4	2,943.45	1/4	3,185.83	1/4	3,428.20	1/4		1/4		1/4		1/4		1/4	
1/2	2,463.75	1/2	2,706.12	1/2	2,948.50	1/2	3,190.88	1/2	3,433.25	1/2		1/2		1/2		1/2		1/2	
3/4	2,468.80	3/4	2,711.17	3/4	2,953.55	3/4	3,195.93	3/4	3,438.30	3/4		3/4		3/4		3/4		3/4	
4	2,473.85	4	2,716.22	4	2,958.60	4	3,200.98	4	3,443.35	4		4		4		4		4	
1/4	2,478.90	1/4	2,721.27	1/4	2,963.65	1/4	3,206.02	1/4	3,448.40	1/4		1/4		1/4		1/4		1/4	
1/2	2,483.95	1/2	2,726.32	1/2	2,968.70	1/2	3,211.07	1/2	3,453.45	1/2		1/2		1/2		1/2		1/2	
3/4	2,489.00	3/4	2,731.37	3/4	2,973.75	3/4	3,216.12	3/4	3,458.50	3/4		3/4		3/4		3/4		3/4	
5	2,494.05	5	2,736.42	5	2,978.80	5	3,221.17	5	3,463.55	5		5		5		5		5	
1/4	2,499.09	1/4	2,741.47	1/4	2,983.85	1/4	3,226.22	1/4	3,468.60	1/4		1/4		1/4		1/4		1/4	
1/2	2,504.14	1/2	2,746.52	1/2	2,988.90	1/2	3,231.27	1/2	3,473.65	1/2		1/2		1/2		1/2		1/2	
3/4	2,509.19	3/4	2,751.57	3/4	2,993.95	3/4	3,236.32	3/4	3,478.70	3/4		3/4		3/4		3/4		3/4	
6	2,514.24	6	2,756.62	6	2,999.00	6	3,241.37	6	3,483.75	6		6		6		6		6	
1/4	2,519.29	1/4	2,761.67	1/4	3,004.04	1/4	3,246.42	1/4	3,488.80	1/4		1/4		1/4		1/4		1/4	
1/2	2,524.34	1/2	2,766.72	1/2	3,009.09	1/2	3,251.47	1/2	3,493.85	1/2		1/2		1/2		1/2		1/2	
3/4	2,529.39	3/4	2,771.77	3/4	3,014.14	3/4	3,256.52	3/4	3,498.90	3/4		3/4		3/4		3/4		3/4	
7	2,534.44	7	2,776.82	7	3,019.19	7	3,261.57	7	3,503.95	7		7		7		7		7	
1/4	2,539.49	1/4	2,781.87	1/4	3,024.24	1/4	3,266.62	1/4	3,508.99	1/4		1/4		1/4		1/4		1/4	
1/2	2,544.54	1/2	2,786.92	1/2	3,029.29	1/2	3,271.67	1/2	3,514.04	1/2		1/2		1/2		1/2		1/2	
3/4	2,549.59	3/4	2,791.97	3/4	3,034.34	3/4	3,276.72	3/4	3,519.09	3/4		3/4		3/4		3/4		3/4	
8	2,554.64	8	2,797.02	8	3,039.39	8	3,281.77	8	3,524.14	8		8		8		8		8	
1/4	2,559.69	1/4	2,802.06	1/4	3,044.44	1/4	3,286.82	1/4	3,529.19	1/4		1/4		1/4		1/4		1/4	
1/2	2,564.74	1/2	2,807.11	1/2	3,049.49	1/2	3,291.87	1/2	3,534.24	1/2		1/2		1/2		1/2		1/2	
3/4	2,569.79	3/4	2,812.16	3/4	3,054.54	3/4	3,296.92	3/4	3,539.29	3/4		3/4		3/4		3/4		3/4	
9	2,574.84	9	2,817.21	9	3,059.59	9	3,301.97	9	3,544.34	9		9		9		9		9	
1/4	2,579.89	1/4	2,822.26	1/4	3,064.64	1/4	3,307.01	1/4	3,549.38	1/4		1/4		1/4		1/4		1/4	
1/2	2,584.94	1/2	2,827.31	1/2	3,069.69	1/2	3,312.06	1/2	3,554.43	1/2		1/2		1/2		1/2		1/2	
3/4	2,589.99	3/4	2,832.36	3/4	3,074.74	3/4	3,317.11	3/4	3,559.47	3/4		3/4		3/4		3/4		3/4	
10	2,595.04	10	2,837.41	10	3,079.79	10	3,322.16	10	3,564.51	10		10		10		10		10	
1/4	2,600.08	1/4	2,842.46	1/4	3,084.84	1/4	3,327.21	1/4	3,569.54	1/4		1/4		1/4		1/4		1/4	
1/2	2,605.13	1/2	2,847.51	1/2	3,089.89	1/2	3,332.26	1/2	3,574.56	1/2		1/2		1/2		1/2		1/2	
3/4	2,610.18	3/4	2,852.56	3/4	3,094.94	3/4	3,337.31	3/4	3,579.59	3/4		3/4		3/4		3/4		3/4	
11	2,615.23	11	2,857.61	11	3,099.99	11	3,342.36	11	3,584.61	11		11		11		11		11	
1/4	2,620.28	1/4	2,862.66	1/4	3,105.03	1/4	3,347.41	1/4	3,589.42	1/4		1/4		1/4		1/4		1/4	
1/2	2,625.33	1/2	2,867.71	1/2	3,110.08	1/2	3,352.46	1/2	3,594.23	1/2		1/2		1/2		1/2		1/2	
3/4	2,630.38	3/4	2,872.76	3/4	3,115.13	3/4	3,357.51	3/4	3,599.04	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/29/2020 JS
CALCULATED: 05/29/2020 CL
PRINTED: 05/29/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

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



BARGE "E2MS 108"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 3'-11 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	85	0	213	0	328	0		0		0		0		0		0	
1/4	1	1/4	87	1/4	215	1/4	330	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	90	1/2	218	1/2	332	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	92	3/4	221	3/4	334	3/4		3/4		3/4		3/4		3/4		3/4	
1	2	1	95	1	223	1	336	1		1		1		1		1		1	
1/4	3	1/4	97	1/4	226	1/4	337	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4	1/2	100	1/2	229	1/2	339	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	5	3/4	102	3/4	231	3/4	341	3/4		3/4		3/4		3/4		3/4		3/4	
2	6	2	105	2	234	2	342	2		2		2		2		2		2	
1/4	8	1/4	108	1/4	237	1/4	344	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	9	1/2	110	1/2	239	1/2	345	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	10	3/4	113	3/4	242	3/4	347	3/4		3/4		3/4		3/4		3/4		3/4	
3	11	3	115	3	244	3	348	3		3		3		3		3		3	
1/4	13	1/4	118	1/4	247	1/4	350	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	14	1/2	121	1/2	250	1/2	351	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	16	3/4	123	3/4	252	3/4	352	3/4		3/4		3/4		3/4		3/4		3/4	
4	17	4	126	4	255	4	354	4		4		4		4		4		4	
1/4	19	1/4	129	1/4	257	1/4	355	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	131	1/2	260	1/2	356	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	22	3/4	134	3/4	262	3/4	357	3/4		3/4		3/4		3/4		3/4		3/4	
5	24	5	137	5	265	5	358	5		5		5		5		5		5	
1/4	26	1/4	139	1/4	268	1/4	358	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	28	1/2	142	1/2	270	1/2	359	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	30	3/4	145	3/4	273	3/4	359	3/4		3/4		3/4		3/4		3/4		3/4	
6	32	6	147	6	275	6	360	6		6		6		6		6		6	
1/4	34	1/4	150	1/4	277	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	35	1/2	153	1/2	280	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	37	3/4	155	3/4	282	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	39	7	158	7	285	7		7		7		7		7		7		7	
1/4	42	1/4	161	1/4	287	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	44	1/2	164	1/2	289	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	46	3/4	166	3/4	292	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	48	8	169	8	294	8		8		8		8		8		8		8	
1/4	50	1/4	172	1/4	296	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	52	1/2	174	1/2	299	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	177	3/4	301	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	57	9	180	9	303	9		9		9		9		9		9		9	
1/4	59	1/4	183	1/4	306	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	185	1/2	308	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	63	3/4	188	3/4	310	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	66	10	191	10	312	10		10		10		10		10		10		10	
1/4	68	1/4	194	1/4	314	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	70	1/2	196	1/2	316	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	73	3/4	199	3/4	318	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	75	11	202	11	320	11		11		11		11		11		11		11	
1/4	78	1/4	204	1/4	322	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	80	1/2	207	1/2	324	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	82	3/4	210	3/4	326	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 AT GAUGE POINT
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE

STRAPPED: 05/29/2020 JS
CALCULATED: 05/29/2020 CL
PRINTED: 05/29/2020 CL

CANCELS AND SUPERCEDES
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BARGE "E2MS 108"

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 CENTER	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 CENTER	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-3/4	- 01-3/4	02-1/8	- 02-1/8
3 CENTER	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/8	01-1/8

(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 CENTER IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 168'-00"

May 29, 2020

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

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BARGE "E2MS 108"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-02"

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	4,103.83	0	3,874.53	0	3,628.62	0	3,382.72	0	3,136.81	0	2,875.77	0	2,589.10	0	2,302.30	0	2,015.50		
1/4	1/4	4,101.84	1/4	3,869.40	1/4	3,623.50	1/4	3,377.60	1/4	3,131.69	1/4	2,869.80	1/4	2,583.13	1/4	2,278.33	1/4	2,009.53		
1/2	1/2	4,099.84	1/2	3,864.28	1/2	3,618.38	1/2	3,372.47	1/2	3,126.57	1/2	2,863.83	1/2	2,577.15	1/2	2,290.35	1/2	2,003.55		
3/4	3/4	4,097.85	3/4	3,859.16	3/4	3,613.25	3/4	3,367.35	3/4	3,121.45	3/4	2,857.87	3/4	2,571.18	3/4	2,284.38	3/4	1,997.58		
1	1	4,095.85	1	3,854.03	1	3,608.13	1	3,362.23	1	3,116.32	1	2,851.90	1	2,565.20	1	2,278.40	1	1,991.60		
1/4	1/4	4,091.86	1/4	3,848.91	1/4	3,603.01	1/4	3,357.10	1/4	3,111.20	1/4	2,845.93	1/4	2,559.23	1/4	2,272.43	1/4	1,985.63		
1/2	1/2	4,087.87	1/2	3,843.79	1/2	3,597.88	1/2	3,351.98	1/2	3,106.08	1/2	2,839.97	1/2	2,553.25	1/2	2,266.45	1/2	1,979.65		
3/4	3/4	4,083.88	3/4	3,838.67	3/4	3,592.76	3/4	3,346.86	3/4	3,100.95	3/4	2,834.00	3/4	2,547.28	3/4	2,260.48	3/4	1,973.68		
2	2	4,079.89	2	3,833.54	2	3,587.64	2	3,341.73	2	3,095.83	2	2,828.04	2	2,541.30	2	2,254.50	2	1,967.70		
1/4	1/4	4,074.62	1/4	3,828.42	1/4	3,582.52	1/4	3,336.61	1/4	3,090.71	1/4	2,822.07	1/4	2,535.33	1/4	2,248.53	1/4	1,961.75		
1/2	1/2	4,069.35	1/2	3,823.30	1/2	3,577.39	1/2	3,331.49	1/2	3,085.58	1/2	2,816.10	1/2	2,529.35	1/2	2,242.55	1/2	1,955.80		
3/4	3/4	4,064.08	3/4	3,818.17	3/4	3,572.27	3/4	3,326.37	3/4	3,080.46	3/4	2,810.14	3/4	2,523.38	3/4	2,236.58	3/4	1,949.85		
3	3	4,058.81	3	3,813.05	3	3,567.15	3	3,321.24	3	3,075.34	3	2,804.17	3	2,517.40	3	2,230.60	3	1,943.90		
1/4	1/4	4,053.72	1/4	3,807.93	1/4	3,562.02	1/4	3,316.12	1/4	3,070.22	1/4	2,798.20	1/4	2,511.43	1/4	2,224.63	1/4	1,937.95		
1/2	1/2	4,048.62	1/2	3,802.80	1/2	3,556.90	1/2	3,311.00	1/2	3,065.09	1/2	2,792.24	1/2	2,505.45	1/2	2,218.65	1/2	1,932.00		
3/4	3/4	4,043.53	3/4	3,797.68	3/4	3,551.78	3/4	3,305.87	3/4	3,059.97	3/4	2,786.27	3/4	2,499.48	3/4	2,212.68	3/4	1,926.05		
4	4	4,038.44	4	3,792.56	4	3,546.65	4	3,300.75	4	3,054.85	4	2,780.30	4	2,493.50	4	2,206.70	4	1,920.10		
1/4	1/4	4,033.32	1/4	3,787.44	1/4	3,541.53	1/4	3,295.63	1/4	3,049.72	1/4	2,774.33	1/4	2,487.53	1/4	2,200.73	1/4	1,914.15		
1/2	1/2	4,028.20	1/2	3,782.31	1/2	3,536.41	1/2	3,290.50	1/2	3,044.60	1/2	2,768.35	1/2	2,481.55	1/2	2,194.75	1/2	1,908.20		
3/4	3/4	4,023.09	3/4	3,777.19	3/4	3,531.29	3/4	3,285.38	3/4	3,039.48	3/4	2,762.38	3/4	2,475.58	3/4	2,188.78	3/4	1,902.25		
5	5	4,017.97	5	3,772.07	5	3,526.16	5	3,280.26	5	3,034.35	5	2,756.40	5	2,469.60	5	2,182.80	5	1,896.30		
1/4	1/4	4,012.85	1/4	3,766.94	1/4	3,521.04	1/4	3,275.14	1/4	3,029.23	1/4	2,750.43	1/4	2,463.63	1/4	2,176.83	1/4	1,890.35		
1/2	1/2	4,007.72	1/2	3,761.82	1/2	3,515.92	1/2	3,270.01	1/2	3,024.11	1/2	2,744.45	1/2	2,457.65	1/2	2,170.85	1/2	1,884.40		
3/4	3/4	4,002.60	3/4	3,756.70	3/4	3,510.79	3/4	3,264.89	3/4	3,018.99	3/4	2,738.48	3/4	2,451.68	3/4	2,164.88	3/4	1,878.45		
6	6	3,997.48	6	3,751.57	6	3,505.67	6	3,259.77	6	3,013.86	6	2,732.50	6	2,445.70	6	2,158.90	6	1,872.50		
1/4	1/4	3,992.36	1/4	3,746.45	1/4	3,500.55	1/4	3,254.64	1/4	3,008.74	1/4	2,726.53	1/4	2,439.73	1/4	2,152.93	1/4	1,866.55		
1/2	1/2	3,987.23	1/2	3,741.33	1/2	3,495.42	1/2	3,249.52	1/2	3,003.62	1/2	2,720.55	1/2	2,433.75	1/2	2,146.95	1/2	1,860.60		
3/4	3/4	3,982.11	3/4	3,736.21	3/4	3,490.30	3/4	3,244.40	3/4	2,998.49	3/4	2,714.58	3/4	2,427.78	3/4	2,140.98	3/4	1,854.65		
7	7	3,976.99	7	3,731.08	7	3,485.18	7	3,239.27	7	2,993.37	7	2,708.60	7	2,421.80	7	2,135.00	7	1,848.70		
1/4	1/4	3,971.86	1/4	3,725.96	1/4	3,480.06	1/4	3,234.15	1/4	2,987.84	1/4	2,702.63	1/4	2,415.83	1/4	2,129.03	1/4	1,842.75		
1/2	1/2	3,966.74	1/2	3,720.84	1/2	3,474.93	1/2	3,229.03	1/2	2,982.30	1/2	2,696.65	1/2	2,409.85	1/2	2,123.05	1/2	1,836.80		
3/4	3/4	3,961.62	3/4	3,715.71	3/4	3,469.81	3/4	3,223.91	3/4	2,976.77	3/4	2,690.68	3/4	2,403.88	3/4	2,117.08	3/4	1,830.85		
8	8	3,956.49	8	3,710.59	8	3,464.69	8	3,218.78	8	2,971.23	8	2,684.70	8	2,397.90	8	2,111.10	8	1,824.90		
1/4	1/4	3,951.37	1/4	3,705.47	1/4	3,459.56	1/4	3,213.66	1/4	2,965.26	1/4	2,678.73	1/4	2,391.93	1/4	2,105.13	1/4	1,818.95		
1/2	1/2	3,946.25	1/2	3,700.34	1/2	3,454.44	1/2	3,208.54	1/2	2,959.30	1/2	2,672.75	1/2	2,385.95	1/2	2,099.15	1/2	1,813.00		
3/4	3/4	3,941.13	3/4	3,695.22	3/4	3,449.32	3/4	3,203.41	3/4	2,953.33	3/4	2,666.78	3/4	2,379.98	3/4	2,093.18	3/4	1,807.05		
9	9	3,936.00	9	3,690.10	9	3,444.19	9	3,198.29	9	2,947.37	9	2,660.80	9	2,374.00	9	2,087.20	9	1,801.10		
1/4	1/4	3,930.88	1/4	3,684.98	1/4	3,439.07	1/4	3,193.17	1/4	2,941.40	1/4	2,654.83	1/4	2,368.03	1/4	2,081.23	1/4	1,795.15		
1/2	1/2	3,925.76	1/2	3,679.85	1/2	3,433.95	1/2	3,188.04	1/2	2,935.43	1/2	2,648.85	1/2	2,362.05	1/2	2,075.25	1/2	1,789.20		
3/4	3/4	3,920.63	3/4	3,674.73	3/4	3,428.83	3/4	3,182.92	3/4	2,929.47	3/4	2,642.88	3/4	2,356.08	3/4	2,069.28	3/4	1,783.25		
10	10	3,915.51	10	3,669.61	10	3,423.70	10	3,177.80	10	2,923.50	10	2,636.90	10	2,350.10	10	2,063.30	10	1,777.30		
1/4	1/4	3,910.39	1/4	3,664.48	1/4	3,418.58	1/4	3,172.68	1/4	2,917.53	1/4	2,630.93	1/4	2,344.13	1/4	2,057.33	1/4	1,771.35		
1/2	1/2	3,905.26	1/2	3,659.36	1/2	3,413.46	1/2	3,167.55	1/2	2,911.57	1/2	2,624.95	1/2	2,338.15	1/2	2,051.35	1/2	1,765.40		
3/4	3/4	3,900.14	3/4	3,654.24	3/4	3,408.33	3/4	3,162.43	3/4	2,905.60	3/4	2,618.98	3/4	2,332.18	3/4	2,045.38	3/4	1,759.45		
11	11	3,895.02	11	3,649.11	11	3,403.21	11	3,157.31	11	2,899.63	11	2,613.00	11	2,326.20	11	2,039.40	11	1,753.50		
1/4	1/4	3,889.90	1/4	3,643.99	1/4	3,398.09	1/4	3,152.18	1/4	2,893.67	1/4	2,607.03	1/4	2,320.23	1/4	2,033.43	1/4	1,747.55		
1/2	1/2	4,104.83	1/2	3,884.77	1/2	3,638.87	1/2	3,392.96	1/2	3,147.06	1/2	2,887.70	1/2	2,601.05	1/2	2,314.25	1/2	2,027.45	1/2	1,741.60
3/4	3/4	4,104.33	3/4	3,879.65	3/4	3,633.75	3/4	3,387.84	3/4	3,141.94	3/4	2,881.73	3/4	2,595.08	3/4	2,308.28	3/4	2,021.48	3/4	1,735.65

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" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "E2MS 108"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-02"

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	1,729.70	0	1,443.01	0	1,156.33	0	871.25	0	590.53	0	303.40	0	20.26	0		0		0	
1/4	1,723.73	1/4	1,437.04	1/4	1,150.36	1/4	865.48	1/4	584.55	1/4	297.41	1/4	17.26	1/4		1/4		1/4	
1/2	1,717.75	1/2	1,431.07	1/2	1,144.38	1/2	859.71	1/2	578.58	1/2	291.43	1/2	14.27	1/2		1/2		1/2	
3/4	1,711.78	3/4	1,425.10	3/4	1,138.41	3/4	853.94	3/4	572.60	3/4	285.44	3/4	11.27	3/4		3/4		3/4	
1	1,705.81	1	1,419.12	1	1,132.44	1	848.17	1	566.63	1	279.45	1	8.28	1		1		1	
1/4	1,699.84	1/4	1,413.15	1/4	1,126.47	1/4	842.39	1/4	560.65	1/4	273.46	1/4	7.28	1/4		1/4		1/4	
1/2	1,693.86	1/2	1,407.18	1/2	1,120.49	1/2	836.62	1/2	554.67	1/2	267.47	1/2	6.28	1/2		1/2		1/2	
3/4	1,687.89	3/4	1,401.21	3/4	1,114.52	3/4	830.85	3/4	548.70	3/4	261.49	3/4	5.29	3/4		3/4		3/4	
2	1,681.92	2	1,395.23	2	1,108.55	2	825.08	2	542.72	2	255.50	2	4.29	2		2		2	
1/4	1,675.95	1/4	1,389.26	1/4	1,102.58	1/4	819.31	1/4	536.74	1/4	249.51	1/4		1/4		1/4		1/4	
1/2	1,669.97	1/2	1,383.29	1/2	1,096.60	1/2	813.53	1/2	530.77	1/2	243.52	1/2		1/2		1/2		1/2	
3/4	1,664.00	3/4	1,377.32	3/4	1,090.63	3/4	807.76	3/4	524.79	3/4	237.53	3/4		3/4		3/4		3/4	
3	1,658.03	3	1,371.34	3	1,084.66	3	801.99	3	518.82	3	231.55	3		3		3		3	
1/4	1,652.06	1/4	1,365.37	1/4	1,078.69	1/4	796.22	1/4	512.84	1/4	225.56	1/4		1/4		1/4		1/4	
1/2	1,646.08	1/2	1,359.40	1/2	1,072.71	1/2	790.45	1/2	506.86	1/2	219.57	1/2		1/2		1/2		1/2	
3/4	1,640.11	3/4	1,353.43	3/4	1,066.74	3/4	784.68	3/4	500.89	3/4	213.58	3/4		3/4		3/4		3/4	
4	1,634.14	4	1,347.45	4	1,060.77	4	778.90	4	494.91	4	207.59	4		4		4		4	
1/4	1,628.17	1/4	1,341.48	1/4	1,054.80	1/4	773.13	1/4	488.93	1/4	201.61	1/4		1/4		1/4		1/4	
1/2	1,622.19	1/2	1,335.51	1/2	1,048.82	1/2	767.36	1/2	482.96	1/2	195.62	1/2		1/2		1/2		1/2	
3/4	1,616.22	3/4	1,329.54	3/4	1,042.85	3/4	761.59	3/4	476.98	3/4	189.63	3/4		3/4		3/4		3/4	
5	1,610.25	5	1,323.56	5	1,036.88	5	755.82	5	471.01	5	183.64	5		5		5		5	
1/4	1,604.27	1/4	1,317.59	1/4	1,030.91	1/4	750.05	1/4	465.03	1/4	177.65	1/4		1/4		1/4		1/4	
1/2	1,598.30	1/2	1,311.62	1/2	1,024.93	1/2	744.27	1/2	459.05	1/2	171.67	1/2		1/2		1/2		1/2	
3/4	1,592.33	3/4	1,305.64	3/4	1,018.96	3/4	738.50	3/4	453.08	3/4	165.68	3/4		3/4		3/4		3/4	
6	1,586.36	6	1,299.67	6	1,012.99	6	732.73	6	447.10	6	159.69	6		6		6		6	
1/4	1,580.38	1/4	1,293.70	1/4	1,007.01	1/4	726.91	1/4	441.11	1/4	153.70	1/4		1/4		1/4		1/4	
1/2	1,574.41	1/2	1,287.73	1/2	1,001.04	1/2	721.09	1/2	435.12	1/2	147.71	1/2		1/2		1/2		1/2	
3/4	1,568.44	3/4	1,281.75	3/4	995.07	3/4	715.26	3/4	429.14	3/4	141.73	3/4		3/4		3/4		3/4	
7	1,562.47	7	1,275.78	7	989.10	7	709.44	7	423.15	7	135.74	7		7		7		7	
1/4	1,556.49	1/4	1,269.81	1/4	983.12	1/4	703.62	1/4	417.16	1/4	129.75	1/4		1/4		1/4		1/4	
1/2	1,550.52	1/2	1,263.84	1/2	977.15	1/2	697.80	1/2	411.17	1/2	123.76	1/2		1/2		1/2		1/2	
3/4	1,544.55	3/4	1,257.86	3/4	971.18	3/4	691.97	3/4	405.18	3/4	117.77	3/4		3/4		3/4		3/4	
8	1,538.58	8	1,251.89	8	965.21	8	686.15	8	399.20	8	111.79	8		8		8		8	
1/4	1,532.60	1/4	1,245.92	1/4	959.23	1/4	680.18	1/4	393.21	1/4	105.80	1/4		1/4		1/4		1/4	
1/2	1,526.63	1/2	1,239.95	1/2	953.26	1/2	674.20	1/2	387.22	1/2	99.81	1/2		1/2		1/2		1/2	
3/4	1,520.66	3/4	1,233.97	3/4	947.29	3/4	668.22	3/4	381.23	3/4	93.83	3/4		3/4		3/4		3/4	
9	1,514.69	9	1,228.00	9	941.32	9	662.25	9	375.25	9	87.84	9		9		9		9	
1/4	1,508.71	1/4	1,222.03	1/4	935.34	1/4	656.27	1/4	369.26	1/4	81.87	1/4		1/4		1/4		1/4	
1/2	1,502.74	1/2	1,216.06	1/2	929.37	1/2	650.29	1/2	363.27	1/2	75.90	1/2		1/2		1/2		1/2	
3/4	1,496.77	3/4	1,210.08	3/4	923.40	3/4	644.32	3/4	357.29	3/4	69.92	3/4		3/4		3/4		3/4	
10	1,490.80	10	1,204.11	10	917.43	10	638.34	10	351.30	10	63.95	10		10		10		10	
1/4	1,484.82	1/4	1,198.14	1/4	911.65	1/4	632.37	1/4	345.31	1/4	58.01	1/4		1/4		1/4		1/4	
1/2	1,478.85	1/2	1,192.17	1/2	905.88	1/2	626.39	1/2	339.33	1/2	52.08	1/2		1/2		1/2		1/2	
3/4	1,472.88	3/4	1,186.19	3/4	900.11	3/4	620.41	3/4	333.34	3/4	46.14	3/4		3/4		3/4		3/4	
11	1,466.90	11	1,180.22	11	894.34	11	614.44	11	327.35	11	40.21	11		11		11		11	
1/4	1,460.93	1/4	1,174.25	1/4	888.57	1/4	608.46	1/4	321.37	1/4	35.22	1/4		1/4		1/4		1/4	
1/2	1,454.96	1/2	1,168.27	1/2	882.80	1/2	602.48	1/2	315.38	1/2	30.23	1/2		1/2		1/2		1/2	
3/4	1,448.99	3/4	1,162.30	3/4	877.02	3/4	596.51	3/4	309.39	3/4	25.24	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/29/2020 JS
CALCULATED: 05/29/2020 CL
PRINTED: 05/29/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

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



BARGE "E2MS 108"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 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	3,444.36	0	3,200.84	0	2,957.32	0	2,713.79	0	2,470.27	0	2,226.75	0	1,983.22	0	1,739.70		
1/4		1/4	3,439.29	1/4	3,195.77	1/4	2,952.24	1/4	2,708.72	1/4	2,465.20	1/4	2,221.67	1/4	1,978.15	1/4	1,734.63		
1/2		1/2	3,434.22	1/2	3,190.69	1/2	2,947.17	1/2	2,703.65	1/2	2,460.12	1/2	2,216.60	1/2	1,973.08	1/2	1,729.55		
3/4		3/4	3,429.14	3/4	3,185.62	3/4	2,942.10	3/4	2,698.57	3/4	2,455.05	3/4	2,211.53	3/4	1,968.00	3/4	1,724.48		
1	1	1	3,636.90	1	3,424.07	1	3,180.55	1	2,937.02	1	2,693.50	1	2,449.98	1	2,206.45	1	1,962.93	1	1,719.41
1/4		1/4	3,636.48	1/4	3,419.00	1/4	3,175.47	1/4	2,931.95	1/4	2,688.43	1/4	2,444.90	1/4	2,201.38	1/4	1,957.86	1/4	1,714.33
1/2		1/2	3,636.05	1/2	3,413.92	1/2	3,170.40	1/2	2,926.88	1/2	2,683.35	1/2	2,439.83	1/2	2,196.31	1/2	1,952.78	1/2	1,709.26
3/4		3/4	3,634.36	3/4	3,408.85	3/4	3,165.33	3/4	2,921.80	3/4	2,678.28	3/4	2,434.76	3/4	2,191.23	3/4	1,947.71	3/4	1,704.19
2	2	2	3,632.67	2	3,403.78	2	3,160.25	2	2,916.73	2	2,673.21	2	2,429.68	2	2,186.16	2	1,942.64	2	1,699.11
1/4		1/4	3,630.98	1/4	3,398.70	1/4	3,155.18	1/4	2,911.66	1/4	2,668.13	1/4	2,424.61	1/4	2,181.09	1/4	1,937.56	1/4	1,694.04
1/2		1/2	3,629.29	1/2	3,393.63	1/2	3,150.11	1/2	2,906.58	1/2	2,663.06	1/2	2,419.54	1/2	2,176.01	1/2	1,932.49	1/2	1,688.97
3/4		3/4	3,625.91	3/4	3,388.56	3/4	3,145.03	3/4	2,901.51	3/4	2,657.99	3/4	2,414.46	3/4	2,170.94	3/4	1,927.42	3/4	1,683.89
3	3	3	3,622.52	3	3,383.48	3	3,139.96	3	2,896.44	3	2,652.91	3	2,409.39	3	2,165.87	3	1,922.34	3	1,678.82
1/4		1/4	3,619.14	1/4	3,378.41	1/4	3,134.89	1/4	2,891.36	1/4	2,647.84	1/4	2,404.32	1/4	2,160.79	1/4	1,917.27	1/4	1,673.75
1/2		1/2	3,615.76	1/2	3,373.34	1/2	3,129.81	1/2	2,886.29	1/2	2,642.77	1/2	2,399.24	1/2	2,155.72	1/2	1,912.20	1/2	1,668.67
3/4		3/4	3,610.93	3/4	3,368.26	3/4	3,124.74	3/4	2,881.22	3/4	2,637.69	3/4	2,394.17	3/4	2,150.65	3/4	1,907.12	3/4	1,663.60
4	4	4	3,606.10	4	3,363.19	4	3,119.67	4	2,876.14	4	2,632.62	4	2,389.10	4	2,145.57	4	1,902.05	4	1,658.53
1/4		1/4	3,601.26	1/4	3,358.12	1/4	3,114.59	1/4	2,871.07	1/4	2,627.55	1/4	2,384.02	1/4	2,140.50	1/4	1,896.98	1/4	1,653.45
1/2		1/2	3,596.43	1/2	3,353.04	1/2	3,109.52	1/2	2,866.00	1/2	2,622.47	1/2	2,378.95	1/2	2,135.43	1/2	1,891.90	1/2	1,648.38
3/4		3/4	3,591.38	3/4	3,347.97	3/4	3,104.45	3/4	2,860.92	3/4	2,617.40	3/4	2,373.88	3/4	2,130.35	3/4	1,886.83	3/4	1,643.31
5	5	5	3,586.33	5	3,342.89	5	3,099.37	5	2,855.85	5	2,612.33	5	2,368.80	5	2,125.28	5	1,881.76	5	1,638.23
1/4		1/4	3,581.29	1/4	3,337.82	1/4	3,094.30	1/4	2,850.78	1/4	2,607.25	1/4	2,363.73	1/4	2,120.21	1/4	1,876.68	1/4	1,633.16
1/2		1/2	3,576.24	1/2	3,332.75	1/2	3,089.22	1/2	2,845.70	1/2	2,602.18	1/2	2,358.66	1/2	2,115.13	1/2	1,871.61	1/2	1,628.09
3/4		3/4	3,571.17	3/4	3,327.67	3/4	3,084.15	3/4	2,840.63	3/4	2,597.11	3/4	2,353.58	3/4	2,110.06	3/4	1,866.54	3/4	1,623.01
6	6	6	3,566.11	6	3,322.60	6	3,079.08	6	2,835.55	6	2,592.03	6	2,348.51	6	2,104.99	6	1,861.46	6	1,617.94
1/4		1/4	3,561.04	1/4	3,317.53	1/4	3,074.00	1/4	2,830.48	1/4	2,586.96	1/4	2,343.44	1/4	2,099.91	1/4	1,856.39	1/4	1,612.87
1/2		1/2	3,555.98	1/2	3,312.45	1/2	3,068.93	1/2	2,825.41	1/2	2,581.88	1/2	2,338.36	1/2	2,094.84	1/2	1,851.32	1/2	1,607.79
3/4		3/4	3,550.90	3/4	3,307.38	3/4	3,063.86	3/4	2,820.33	3/4	2,576.81	3/4	2,333.29	3/4	2,089.77	3/4	1,846.24	3/4	1,602.72
7	7	7	3,545.83	7	3,302.31	7	3,058.78	7	2,815.26	7	2,571.74	7	2,328.21	7	2,084.69	7	1,841.17	7	1,597.65
1/4		1/4	3,540.76	1/4	3,297.23	1/4	3,053.71	1/4	2,810.19	1/4	2,566.66	1/4	2,323.14	1/4	2,079.62	1/4	1,836.10	1/4	1,592.57
1/2		1/2	3,535.68	1/2	3,292.16	1/2	3,048.64	1/2	2,805.11	1/2	2,561.59	1/2	2,318.07	1/2	2,074.54	1/2	1,831.02	1/2	1,587.50
3/4		3/4	3,530.61	3/4	3,287.09	3/4	3,043.56	3/4	2,800.04	3/4	2,556.52	3/4	2,312.99	3/4	2,069.47	3/4	1,825.95	3/4	1,582.43
8	8	8	3,525.54	8	3,282.01	8	3,038.49	8	2,794.97	8	2,551.44	8	2,307.92	8	2,064.40	8	1,820.87	8	1,577.35
1/4		1/4	3,520.46	1/4	3,276.94	1/4	3,033.42	1/4	2,789.89	1/4	2,546.37	1/4	2,302.85	1/4	2,059.32	1/4	1,815.80	1/4	1,572.28
1/2		1/2	3,515.39	1/2	3,271.87	1/2	3,028.34	1/2	2,784.82	1/2	2,541.30	1/2	2,297.77	1/2	2,054.25	1/2	1,810.73	1/2	1,567.20
3/4		3/4	3,510.32	3/4	3,266.79	3/4	3,023.27	3/4	2,779.75	3/4	2,536.22	3/4	2,292.70	3/4	2,049.18	3/4	1,805.65	3/4	1,562.13
9	9	9	3,505.24	9	3,261.72	9	3,018.20	9	2,774.67	9	2,531.15	9	2,287.63	9	2,044.10	9	1,800.58	9	1,557.06
1/4		1/4	3,500.17	1/4	3,256.65	1/4	3,013.12	1/4	2,769.60	1/4	2,526.08	1/4	2,282.55	1/4	2,039.03	1/4	1,795.51	1/4	1,551.98
1/2		1/2	3,495.10	1/2	3,251.57	1/2	3,008.05	1/2	2,764.53	1/2	2,521.00	1/2	2,277.48	1/2	2,033.96	1/2	1,790.43	1/2	1,546.91
3/4		3/4	3,490.02	3/4	3,246.50	3/4	3,002.98	3/4	2,759.45	3/4	2,515.93	3/4	2,272.41	3/4	2,028.88	3/4	1,785.36	3/4	1,541.84
10	10	10	3,484.95	10	3,241.43	10	2,997.90	10	2,754.38	10	2,510.86	10	2,267.33	10	2,023.81	10	1,780.29	10	1,536.76
1/4		1/4	3,479.88	1/4	3,236.35	1/4	2,992.83	1/4	2,749.31	1/4	2,505.78	1/4	2,262.26	1/4	2,018.74	1/4	1,775.21	1/4	1,531.69
1/2		1/2	3,474.80	1/2	3,231.28	1/2	2,987.76	1/2	2,744.23	1/2	2,500.71	1/2	2,257.19	1/2	2,013.66	1/2	1,770.14	1/2	1,526.62
3/4		3/4	3,469.73	3/4	3,226.21	3/4	2,982.68	3/4	2,739.16	3/4	2,495.64	3/4	2,252.11	3/4	2,008.59	3/4	1,765.07	3/4	1,521.54
11	11	11	3,464.66	11	3,221.13	11	2,977.61	11	2,734.09	11	2,490.56	11	2,247.04	11	2,003.52	11	1,759.99	11	1,516.47
1/4		1/4	3,459.58	1/4	3,216.06	1/4	2,972.54	1/4	2,729.01	1/4	2,485.49	1/4	2,241.97	1/4	1,998.44	1/4	1,754.92	1/4	1,511.40
1/2		1/2	3,454.51	1/2	3,210.99	1/2	2,967.46	1/2	2,723.94	1/2	2,480.42	1/2	2,236.89	1/2	1,993.37	1/2	1,749.85	1/2	1,506.32
3/4		3/4	3,449.44	3/4	3,205.91	3/4	2,962.39	3/4	2,718.87	3/4	2,475.34	3/4	2,231.82	3/4	1,988.30	3/4	1,744.77	3/4	1,501.25

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" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
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BARGE "E2MS 108"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,496.18	0	1,252.65	0	1,009.13	0	765.90	0	528.10	0	284.59	0	41.22	0		0		0	
1/4	1,491.10	1/4	1,247.58	1/4	1,004.06	1/4	760.98	1/4	523.03	1/4	279.52	1/4	36.19	1/4		1/4		1/4	
1/2	1,486.03	1/2	1,242.51	1/2	998.98	1/2	756.05	1/2	517.96	1/2	274.44	1/2	31.16	1/2		1/2		1/2	
3/4	1,480.96	3/4	1,237.43	3/4	993.91	3/4	751.13	3/4	512.88	3/4	269.37	3/4	26.94	3/4		3/4		3/4	
1	1,475.88	1	1,232.36	1	988.84	1	746.21	1	507.81	1	264.30	1	22.71	1		1		1	
1/4	1,470.81	1/4	1,227.29	1/4	983.76	1/4	741.28	1/4	502.74	1/4	259.22	1/4	18.49	1/4		1/4		1/4	
1/2	1,465.74	1/2	1,222.21	1/2	978.69	1/2	736.36	1/2	497.66	1/2	254.15	1/2	14.26	1/2		1/2		1/2	
3/4	1,460.66	3/4	1,217.14	3/4	973.62	3/4	731.43	3/4	492.59	3/4	249.08	3/4	11.72	3/4		3/4		3/4	
2	1,455.59	2	1,212.07	2	968.54	2	726.51	2	487.52	2	244.00	2	9.19	2		2		2	
1/4	1,450.52	1/4	1,206.99	1/4	963.47	1/4	721.58	1/4	482.44	1/4	238.93	1/4	6.65	1/4		1/4		1/4	
1/2	1,445.44	1/2	1,201.92	1/2	958.40	1/2	716.66	1/2	477.37	1/2	233.86	1/2	4.11	1/2		1/2		1/2	
3/4	1,440.37	3/4	1,196.85	3/4	953.32	3/4	711.73	3/4	472.30	3/4	228.78	3/4	3.27	3/4		3/4		3/4	
3	1,435.30	3	1,191.77	3	948.25	3	706.81	3	467.22	3	223.71	3	2.42	3		3		3	
1/4	1,430.22	1/4	1,186.70	1/4	943.18	1/4	701.89	1/4	462.15	1/4	218.64	1/4	1.58	1/4		1/4		1/4	
1/2	1,425.15	1/2	1,181.63	1/2	938.10	1/2	696.96	1/2	457.08	1/2	213.56	1/2	0.73	1/2		1/2		1/2	
3/4	1,420.08	3/4	1,176.55	3/4	933.03	3/4	692.04	3/4	452.00	3/4	208.49	3/4		3/4		3/4		3/4	
4	1,415.00	4	1,171.48	4	927.96	4	687.11	4	446.93	4	203.42	4		4		4		4	
1/4	1,409.93	1/4	1,166.41	1/4	922.88	1/4	682.19	1/4	441.86	1/4	198.34	1/4		1/4		1/4		1/4	
1/2	1,404.86	1/2	1,161.33	1/2	917.81	1/2	677.27	1/2	436.78	1/2	193.27	1/2		1/2		1/2		1/2	
3/4	1,399.78	3/4	1,156.26	3/4	912.74	3/4	672.34	3/4	431.71	3/4	188.20	3/4		3/4		3/4		3/4	
5	1,394.71	5	1,151.19	5	907.66	5	667.42	5	426.64	5	183.12	5		5		5		5	
1/4	1,389.64	1/4	1,146.11	1/4	902.59	1/4	662.49	1/4	421.57	1/4	178.05	1/4		1/4		1/4		1/4	
1/2	1,384.56	1/2	1,141.04	1/2	897.52	1/2	657.57	1/2	416.49	1/2	172.98	1/2		1/2		1/2		1/2	
3/4	1,379.49	3/4	1,135.97	3/4	892.44	3/4	652.65	3/4	411.42	3/4	167.91	3/4		3/4		3/4		3/4	
6	1,374.42	6	1,130.89	6	887.37	6	647.72	6	406.35	6	162.83	6		6		6		6	
1/4	1,369.34	1/4	1,125.82	1/4	882.30	1/4	642.80	1/4	401.27	1/4	157.76	1/4		1/4		1/4		1/4	
1/2	1,364.27	1/2	1,120.75	1/2	877.22	1/2	637.87	1/2	396.20	1/2	152.69	1/2		1/2		1/2		1/2	
3/4	1,359.20	3/4	1,115.67	3/4	872.15	3/4	632.95	3/4	391.13	3/4	147.61	3/4		3/4		3/4		3/4	
7	1,354.12	7	1,110.60	7	867.08	7	628.03	7	386.05	7	142.54	7		7		7		7	
1/4	1,349.05	1/4	1,105.53	1/4	862.00	1/4	623.10	1/4	380.98	1/4	137.47	1/4		1/4		1/4		1/4	
1/2	1,343.98	1/2	1,100.45	1/2	856.93	1/2	618.18	1/2	375.91	1/2	132.39	1/2		1/2		1/2		1/2	
3/4	1,338.90	3/4	1,095.38	3/4	851.86	3/4	613.26	3/4	370.83	3/4	127.32	3/4		3/4		3/4		3/4	
8	1,333.83	8	1,090.31	8	846.78	8	608.34	8	365.76	8	122.25	8		8		8		8	
1/4	1,328.76	1/4	1,085.23	1/4	841.71	1/4	603.42	1/4	360.69	1/4	117.17	1/4		1/4		1/4		1/4	
1/2	1,323.68	1/2	1,080.16	1/2	836.64	1/2	598.51	1/2	355.61	1/2	112.10	1/2		1/2		1/2		1/2	
3/4	1,318.61	3/4	1,075.09	3/4	831.56	3/4	593.59	3/4	350.54	3/4	107.03	3/4		3/4		3/4		3/4	
9	1,313.53	9	1,070.01	9	826.49	9	588.67	9	345.47	9	101.95	9		9		9		9	
1/4	1,308.46	1/4	1,064.94	1/4	821.42	1/4	583.75	1/4	340.39	1/4	96.88	1/4		1/4		1/4		1/4	
1/2	1,303.39	1/2	1,059.86	1/2	816.34	1/2	578.83	1/2	335.32	1/2	91.81	1/2		1/2		1/2		1/2	
3/4	1,298.31	3/4	1,054.79	3/4	811.27	3/4	573.76	3/4	330.25	3/4	86.74	3/4		3/4		3/4		3/4	
10	1,293.24	10	1,049.72	10	806.19	10	568.69	10	325.17	10	81.66	10		10		10		10	
1/4	1,288.17	1/4	1,044.64	1/4	801.12	1/4	563.61	1/4	320.10	1/4	76.59	1/4		1/4		1/4		1/4	
1/2	1,283.09	1/2	1,039.57	1/2	796.05	1/2	558.54	1/2	315.03	1/2	71.52	1/2		1/2		1/2		1/2	
3/4	1,278.02	3/4	1,034.50	3/4	790.97	3/4	553.47	3/4	309.95	3/4	66.46	3/4		3/4		3/4		3/4	
11	1,272.95	11	1,029.42	11	785.90	11	548.40	11	304.88	11	61.40	11		11		11		11	
1/4	1,267.87	1/4	1,024.35	1/4	780.83	1/4	543.32	1/4	299.81	1/4	56.34	1/4		1/4		1/4		1/4	
1/2	1,262.80	1/2	1,019.28	1/2	775.75	1/2	538.25	1/2	294.74	1/2	51.28	1/2		1/2		1/2		1/2	
3/4	1,257.73	3/4	1,014.20	3/4	770.68	3/4	533.18	3/4	289.66	3/4	46.25	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/29/2020 JS
CALCULATED: 05/29/2020 CL
PRINTED: 05/29/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

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



BARGE "E2MS 108"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03"

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	3,423.15	0	3,180.78	0	2,938.40	0	2,696.03	0	2,453.65	0	2,211.27	0	1,968.90	0	1,726.52		
1/4	1/4	1/4	3,418.10	1/4	3,175.73	1/4	2,933.35	1/4	2,690.98	1/4	2,448.60	1/4	2,206.22	1/4	1,963.85	1/4	1,721.47		
1/2	1/2	1/2	3,624.89	1/2	3,413.05	1/2	3,170.68	1/2	2,928.30	1/2	2,685.93	1/2	2,443.55	1/2	2,201.17	1/2	1,958.80	1/2	1,716.42
3/4	3/4	3/4	3,624.47	3/4	3,408.00	3/4	3,165.63	3/4	2,923.25	3/4	2,680.88	3/4	2,438.50	3/4	2,196.12	3/4	1,953.75	3/4	1,711.37
1	1	1	3,624.05	1	3,402.96	1	3,160.58	1	2,918.20	1	2,675.83	1	2,433.45	1	2,191.08	1	1,948.70	1	1,706.32
1/4	1/4	1/4	3,622.36	1/4	3,397.91	1/4	3,155.53	1/4	2,913.15	1/4	2,670.78	1/4	2,428.40	1/4	2,186.03	1/4	1,943.65	1/4	1,701.27
1/2	1/2	1/2	3,620.68	1/2	3,392.86	1/2	3,150.48	1/2	2,908.10	1/2	2,665.73	1/2	2,423.35	1/2	2,180.98	1/2	1,938.60	1/2	1,696.22
3/4	3/4	3/4	3,619.00	3/4	3,387.81	3/4	3,145.43	3/4	2,903.05	3/4	2,660.68	3/4	2,418.30	3/4	2,175.93	3/4	1,933.55	3/4	1,691.17
2	2	2	3,617.31	2	3,382.76	2	3,140.38	2	2,898.01	2	2,655.63	2	2,413.25	2	2,170.88	2	1,928.50	2	1,686.13
1/4	1/4	1/4	3,613.95	1/4	3,377.71	1/4	3,135.33	1/4	2,892.96	1/4	2,650.58	1/4	2,408.20	1/4	2,165.83	1/4	1,923.45	1/4	1,681.08
1/2	1/2	1/2	3,610.58	1/2	3,372.66	1/2	3,130.28	1/2	2,887.91	1/2	2,645.53	1/2	2,403.15	1/2	2,160.78	1/2	1,918.40	1/2	1,676.03
3/4	3/4	3/4	3,607.21	3/4	3,367.61	3/4	3,125.23	3/4	2,882.86	3/4	2,640.48	3/4	2,398.10	3/4	2,155.73	3/4	1,913.35	3/4	1,670.98
3	3	3	3,603.85	3	3,362.56	3	3,120.18	3	2,877.81	3	2,635.43	3	2,393.06	3	2,150.68	3	1,908.30	3	1,665.93
1/4	1/4	1/4	3,599.04	1/4	3,357.51	1/4	3,115.13	1/4	2,872.76	1/4	2,630.38	1/4	2,388.01	1/4	2,145.63	1/4	1,903.25	1/4	1,660.88
1/2	1/2	1/2	3,594.23	1/2	3,352.46	1/2	3,110.08	1/2	2,867.71	1/2	2,625.33	1/2	2,382.96	1/2	2,140.58	1/2	1,898.20	1/2	1,655.83
3/4	3/4	3/4	3,589.42	3/4	3,347.41	3/4	3,105.03	3/4	2,862.66	3/4	2,620.28	3/4	2,377.91	3/4	2,135.53	3/4	1,893.15	3/4	1,650.78
4	4	4	3,584.61	4	3,342.36	4	3,099.99	4	2,857.61	4	2,615.23	4	2,372.86	4	2,130.48	4	1,888.11	4	1,645.73
1/4	1/4	1/4	3,579.59	1/4	3,337.31	1/4	3,094.94	1/4	2,852.56	1/4	2,610.18	1/4	2,367.81	1/4	2,125.43	1/4	1,883.06	1/4	1,640.68
1/2	1/2	1/2	3,574.56	1/2	3,332.26	1/2	3,089.89	1/2	2,847.51	1/2	2,605.13	1/2	2,362.76	1/2	2,120.38	1/2	1,878.01	1/2	1,635.63
3/4	3/4	3/4	3,569.54	3/4	3,327.21	3/4	3,084.84	3/4	2,842.46	3/4	2,600.08	3/4	2,357.71	3/4	2,115.33	3/4	1,872.96	3/4	1,630.58
5	5	5	3,564.51	5	3,322.16	5	3,079.79	5	2,837.41	5	2,595.04	5	2,352.66	5	2,110.28	5	1,867.91	5	1,625.53
1/4	1/4	1/4	3,559.47	1/4	3,317.11	1/4	3,074.74	1/4	2,832.36	1/4	2,589.99	1/4	2,347.61	1/4	2,105.23	1/4	1,862.86	1/4	1,620.48
1/2	1/2	1/2	3,554.43	1/2	3,312.06	1/2	3,069.69	1/2	2,827.31	1/2	2,584.94	1/2	2,342.56	1/2	2,100.18	1/2	1,857.81	1/2	1,615.43
3/4	3/4	3/4	3,549.38	3/4	3,307.01	3/4	3,064.64	3/4	2,822.26	3/4	2,579.89	3/4	2,337.51	3/4	2,095.13	3/4	1,852.76	3/4	1,610.38
6	6	6	3,544.34	6	3,301.97	6	3,059.59	6	2,817.21	6	2,574.84	6	2,332.46	6	2,090.09	6	1,847.71	6	1,605.33
1/4	1/4	1/4	3,539.29	1/4	3,296.92	1/4	3,054.54	1/4	2,812.16	1/4	2,569.79	1/4	2,327.41	1/4	2,085.04	1/4	1,842.66	1/4	1,600.28
1/2	1/2	1/2	3,534.24	1/2	3,291.87	1/2	3,049.49	1/2	2,807.11	1/2	2,564.74	1/2	2,322.36	1/2	2,079.99	1/2	1,837.61	1/2	1,595.23
3/4	3/4	3/4	3,529.19	3/4	3,286.82	3/4	3,044.44	3/4	2,802.06	3/4	2,559.69	3/4	2,317.31	3/4	2,074.94	3/4	1,832.56	3/4	1,590.18
7	7	7	3,524.14	7	3,281.77	7	3,039.39	7	2,797.02	7	2,554.64	7	2,312.26	7	2,069.89	7	1,827.51	7	1,585.14
1/4	1/4	1/4	3,519.09	1/4	3,276.72	1/4	3,034.34	1/4	2,791.97	1/4	2,549.59	1/4	2,307.21	1/4	2,064.84	1/4	1,822.46	1/4	1,580.09
1/2	1/2	1/2	3,514.04	1/2	3,271.67	1/2	3,029.29	1/2	2,786.92	1/2	2,544.54	1/2	2,302.16	1/2	2,059.79	1/2	1,817.41	1/2	1,575.04
3/4	3/4	3/4	3,508.99	3/4	3,266.62	3/4	3,024.24	3/4	2,781.87	3/4	2,539.49	3/4	2,297.11	3/4	2,054.74	3/4	1,812.36	3/4	1,569.99
8	8	8	3,503.95	8	3,261.57	8	3,019.19	8	2,776.82	8	2,534.44	8	2,292.07	8	2,049.69	8	1,807.31	8	1,564.94
1/4	1/4	1/4	3,498.90	1/4	3,256.52	1/4	3,014.14	1/4	2,771.77	1/4	2,529.39	1/4	2,287.02	1/4	2,044.64	1/4	1,802.26	1/4	1,559.89
1/2	1/2	1/2	3,493.85	1/2	3,251.47	1/2	3,009.09	1/2	2,766.72	1/2	2,524.34	1/2	2,281.97	1/2	2,039.59	1/2	1,797.21	1/2	1,554.84
3/4	3/4	3/4	3,488.80	3/4	3,246.42	3/4	3,004.04	3/4	2,761.67	3/4	2,519.29	3/4	2,276.92	3/4	2,034.54	3/4	1,792.16	3/4	1,549.79
9	9	9	3,483.75	9	3,241.37	9	2,999.00	9	2,756.62	9	2,514.24	9	2,271.87	9	2,029.49	9	1,787.12	9	1,544.74
1/4	1/4	1/4	3,478.70	1/4	3,236.32	1/4	2,993.95	1/4	2,751.57	1/4	2,509.19	1/4	2,266.82	1/4	2,024.44	1/4	1,782.07	1/4	1,539.69
1/2	1/2	1/2	3,473.65	1/2	3,231.27	1/2	2,988.90	1/2	2,746.52	1/2	2,504.14	1/2	2,261.77	1/2	2,019.39	1/2	1,777.02	1/2	1,534.64
3/4	3/4	3/4	3,468.60	3/4	3,226.22	3/4	2,983.85	3/4	2,741.47	3/4	2,499.09	3/4	2,256.72	3/4	2,014.34	3/4	1,771.97	3/4	1,529.59
10	10	10	3,463.55	10	3,221.17	10	2,978.80	10	2,736.42	10	2,494.05	10	2,251.67	10	2,009.29	10	1,766.92	10	1,524.54
1/4	1/4	1/4	3,458.50	1/4	3,216.12	1/4	2,973.75	1/4	2,731.37	1/4	2,489.00	1/4	2,246.62	1/4	2,004.24	1/4	1,761.87	1/4	1,519.49
1/2	1/2	1/2	3,453.45	1/2	3,211.07	1/2	2,968.70	1/2	2,726.32	1/2	2,483.95	1/2	2,241.57	1/2	1,999.19	1/2	1,756.82	1/2	1,514.44
3/4	3/4	3/4	3,448.40	3/4	3,206.02	3/4	2,963.65	3/4	2,721.27	3/4	2,478.90	3/4	2,236.52	3/4	1,994.14	3/4	1,751.77	3/4	1,509.39
11	11	11	3,443.35	11	3,200.98	11	2,958.60	11	2,716.22	11	2,473.85	11	2,231.47	11	1,989.10	11	1,746.72	11	1,504.34
1/4	1/4	1/4	3,438.30	1/4	3,195.93	1/4	2,953.55	1/4	2,711.17	1/4	2,468.80	1/4	2,226.42	1/4	1,984.05	1/4	1,741.67	1/4	1,499.29
1/2	1/2	1/2	3,433.25	1/2	3,190.88	1/2	2,948.50	1/2	2,706.12	1/2	2,463.75	1/2	2,221.37	1/2	1,979.00	1/2	1,736.62	1/2	1,494.24
3/4	3/4	3/4	3,428.20	3/4	3,185.83	3/4	2,943.45	3/4	2,701.07	3/4	2,458.70	3/4	2,216.32	3/4	1,973.95	3/4	1,731.57	3/4	1,489.19

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 EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" 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 108"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

Gauge Height 16'-03"

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	1,484.15	0	1,241.77	0	999.39	0	757.08	0	515.52	0	273.15	0	31.02	0		0		0	
1/4	1,479.10	1/4	1,236.72	1/4	994.34	1/4	752.05	1/4	510.47	1/4	268.10	1/4	26.81	1/4		1/4		1/4	
1/2	1,474.05	1/2	1,231.67	1/2	989.29	1/2	747.02	1/2	505.42	1/2	263.05	1/2	22.61	1/2		1/2		1/2	
3/4	1,469.00	3/4	1,226.62	3/4	984.24	3/4	741.99	3/4	500.37	3/4	258.01	3/4	18.40	3/4		3/4		3/4	
1	1,463.95	1	1,221.57	1	979.20	1	736.95	1	495.32	1	252.96	1	14.20	1		1		1	
1/4	1,458.90	1/4	1,216.52	1/4	974.15	1/4	731.93	1/4	490.27	1/4	247.91	1/4	11.67	1/4		1/4		1/4	
1/2	1,453.85	1/2	1,211.47	1/2	969.10	1/2	726.90	1/2	485.22	1/2	242.86	1/2	9.15	1/2		1/2		1/2	
3/4	1,448.80	3/4	1,206.42	3/4	964.05	3/4	721.87	3/4	480.17	3/4	237.81	3/4	6.62	3/4		3/4		3/4	
2	1,443.75	2	1,201.37	2	959.00	2	716.85	2	475.13	2	232.76	2	4.10	2		2		2	
1/4	1,438.70	1/4	1,196.32	1/4	953.95	1/4	711.82	1/4	470.08	1/4	227.71	1/4	3.26	1/4		1/4		1/4	
1/2	1,433.65	1/2	1,191.27	1/2	948.90	1/2	706.80	1/2	465.03	1/2	222.66	1/2	2.42	1/2		1/2		1/2	
3/4	1,428.60	3/4	1,186.22	3/4	943.85	3/4	701.77	3/4	459.98	3/4	217.61	3/4	1.57	3/4		3/4		3/4	
3	1,423.55	3	1,181.18	3	938.80	3	696.74	3	454.93	3	212.56	3	0.73	3		3		3	
1/4	1,418.50	1/4	1,176.13	1/4	933.75	1/4	691.72	1/4	449.88	1/4	207.51	1/4		1/4		1/4		1/4	
1/2	1,413.45	1/2	1,171.08	1/2	928.70	1/2	686.69	1/2	444.83	1/2	202.46	1/2		1/2		1/2		1/2	
3/4	1,408.40	3/4	1,166.03	3/4	923.65	3/4	681.66	3/4	439.78	3/4	197.41	3/4		3/4		3/4		3/4	
4	1,403.35	4	1,160.98	4	918.60	4	676.64	4	434.73	4	192.36	4		4		4		4	
1/4	1,398.30	1/4	1,155.93	1/4	913.55	1/4	671.61	1/4	429.68	1/4	187.32	1/4		1/4		1/4		1/4	
1/2	1,393.25	1/2	1,150.88	1/2	908.50	1/2	666.58	1/2	424.63	1/2	182.27	1/2		1/2		1/2		1/2	
3/4	1,388.20	3/4	1,145.83	3/4	903.45	3/4	661.56	3/4	419.58	3/4	177.22	3/4		3/4		3/4		3/4	
5	1,383.16	5	1,140.78	5	898.40	5	656.53	5	414.53	5	172.17	5		5		5		5	
1/4	1,378.11	1/4	1,135.73	1/4	893.35	1/4	651.51	1/4	409.48	1/4	167.12	1/4		1/4		1/4		1/4	
1/2	1,373.06	1/2	1,130.68	1/2	888.30	1/2	646.48	1/2	404.44	1/2	162.07	1/2		1/2		1/2		1/2	
3/4	1,368.01	3/4	1,125.63	3/4	883.25	3/4	641.45	3/4	399.39	3/4	157.02	3/4		3/4		3/4		3/4	
6	1,362.96	6	1,120.58	6	878.21	6	636.43	6	394.34	6	151.97	6		6		6		6	
1/4	1,357.91	1/4	1,115.53	1/4	873.16	1/4	631.40	1/4	389.29	1/4	146.92	1/4		1/4		1/4		1/4	
1/2	1,352.86	1/2	1,110.48	1/2	868.11	1/2	626.37	1/2	384.24	1/2	141.87	1/2		1/2		1/2		1/2	
3/4	1,347.81	3/4	1,105.43	3/4	863.06	3/4	621.35	3/4	379.19	3/4	136.82	3/4		3/4		3/4		3/4	
7	1,342.76	7	1,100.38	7	858.01	7	616.32	7	374.14	7	131.77	7		7		7		7	
1/4	1,337.71	1/4	1,095.33	1/4	852.96	1/4	611.30	1/4	369.09	1/4	126.72	1/4		1/4		1/4		1/4	
1/2	1,332.66	1/2	1,090.28	1/2	847.91	1/2	606.27	1/2	364.04	1/2	121.67	1/2		1/2		1/2		1/2	
3/4	1,327.61	3/4	1,085.23	3/4	842.86	3/4	601.24	3/4	358.99	3/4	116.63	3/4		3/4		3/4		3/4	
8	1,322.56	8	1,080.19	8	837.81	8	596.22	8	353.94	8	111.58	8		8		8		8	
1/4	1,317.51	1/4	1,075.14	1/4	832.76	1/4	591.19	1/4	348.89	1/4	106.53	1/4		1/4		1/4		1/4	
1/2	1,312.46	1/2	1,070.09	1/2	827.71	1/2	586.16	1/2	343.84	1/2	101.48	1/2		1/2		1/2		1/2	
3/4	1,307.41	3/4	1,065.04	3/4	822.66	3/4	581.14	3/4	338.79	3/4	96.43	3/4		3/4		3/4		3/4	
9	1,302.36	9	1,059.99	9	817.61	9	576.11	9	333.74	9	91.38	9		9		9		9	
1/4	1,297.31	1/4	1,054.94	1/4	812.56	1/4	571.06	1/4	328.70	1/4	86.33	1/4		1/4		1/4		1/4	
1/2	1,292.26	1/2	1,049.89	1/2	807.51	1/2	566.01	1/2	323.65	1/2	81.28	1/2		1/2		1/2		1/2	
3/4	1,287.21	3/4	1,044.84	3/4	802.46	3/4	560.96	3/4	318.60	3/4	76.24	3/4		3/4		3/4		3/4	
10	1,282.17	10	1,039.79	10	797.41	10	555.91	10	313.55	10	71.19	10		10		10		10	
1/4	1,277.12	1/4	1,034.74	1/4	792.36	1/4	550.86	1/4	308.50	1/4	66.15	1/4		1/4		1/4		1/4	
1/2	1,272.07	1/2	1,029.69	1/2	787.31	1/2	545.82	1/2	303.45	1/2	61.11	1/2		1/2		1/2		1/2	
3/4	1,267.02	3/4	1,024.64	3/4	782.26	3/4	540.77	3/4	298.40	3/4	56.08	3/4		3/4		3/4		3/4	
11	1,261.97	11	1,019.59	11	777.22	11	535.72	11	293.35	11	51.04	11		11		11		11	
1/4	1,256.92	1/4	1,014.54	1/4	772.18	1/4	530.67	1/4	288.30	1/4	46.04	1/4		1/4		1/4		1/4	
1/2	1,251.87	1/2	1,009.49	1/2	767.15	1/2	525.62	1/2	283.25	1/2	41.03	1/2		1/2		1/2		1/2	
3/4	1,246.82	3/4	1,004.44	3/4	762.12	3/4	520.57	3/4	278.20	3/4	36.02	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/29/2020 JS
CALCULATED: 05/29/2020 CL
PRINTED: 05/29/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

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