



# BARGE "E2MS 303"

INNAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 6'-00"  
 DIFF. = 4'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 235'-09"

August 28, 2013

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

<http://www.pmacorp.net>



# BARGE "E2MS 303"

# 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04 1/8"

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	15.32	0	304.26	0	654.45	0	1,011.42	0	1,369.56	0	1,728.40	0	2,087.23	0	2,446.06	0	2,804.83	0	3,163.56
1/4	18.37	1/4	311.17	1/4	661.92	1/4	1,018.84	1/4	1,377.04	1/4	1,735.87	1/4	2,094.70	1/4	2,453.54	1/4	2,812.31	1/4	3,171.04
1/2	21.42	1/2	318.07	1/2	669.40	1/2	1,026.25	1/2	1,384.51	1/2	1,743.35	1/2	2,102.18	1/2	2,461.01	1/2	2,819.78	1/2	3,178.51
3/4	24.47	3/4	324.98	3/4	676.87	3/4	1,033.67	3/4	1,391.99	3/4	1,750.82	3/4	2,109.66	3/4	2,468.49	3/4	2,827.25	3/4	3,185.98
1	27.51	1	331.88	1	684.35	1	1,041.09	1	1,399.46	1	1,758.30	1	2,117.13	1	2,475.96	1	2,834.73	1	3,193.46
1/4	32.52	1/4	338.88	1/4	691.82	1/4	1,048.51	1/4	1,406.94	1/4	1,765.77	1/4	2,124.61	1/4	2,483.44	1/4	2,842.20	1/4	3,200.93
1/2	37.52	1/2	345.87	1/2	699.30	1/2	1,055.94	1/2	1,414.42	1/2	1,773.25	1/2	2,132.08	1/2	2,490.92	1/2	2,849.68	1/2	3,208.40
3/4	42.53	3/4	352.86	3/4	706.78	3/4	1,063.36	3/4	1,421.89	3/4	1,780.72	3/4	2,139.56	3/4	2,498.39	3/4	2,857.15	3/4	3,215.88
2	47.53	2	359.86	2	714.25	2	1,070.79	2	1,429.37	2	1,788.20	2	2,147.03	2	2,505.87	2	2,864.62	2	3,223.35
1/4	53.53	1/4	366.94	1/4	721.73	1/4	1,078.23	1/4	1,436.84	1/4	1,795.68	1/4	2,154.51	1/4	2,513.34	1/4	2,872.10	1/4	3,230.82
1/2	59.52	1/2	374.02	1/2	729.20	1/2	1,085.67	1/2	1,444.32	1/2	1,803.15	1/2	2,161.99	1/2	2,520.82	1/2	2,879.57	1/2	3,238.30
3/4	65.51	3/4	381.10	3/4	736.68	3/4	1,093.12	3/4	1,451.79	3/4	1,810.63	3/4	2,169.46	3/4	2,528.29	3/4	2,887.04	3/4	3,245.77
3	71.50	3	388.18	3	744.15	3	1,100.56	3	1,459.27	3	1,818.10	3	2,176.94	3	2,535.77	3	2,894.52	3	3,253.24
1/4	77.61	1/4	395.35	1/4	751.63	1/4	1,108.01	1/4	1,466.75	1/4	1,825.58	1/4	2,184.41	1/4	2,543.25	1/4	2,901.99	1/4	3,260.72
1/2	83.71	1/2	402.52	1/2	759.10	1/2	1,115.45	1/2	1,474.22	1/2	1,833.05	1/2	2,191.89	1/2	2,550.72	1/2	2,909.46	1/2	3,268.19
3/4	89.82	3/4	409.68	3/4	766.58	3/4	1,122.89	3/4	1,481.70	3/4	1,840.53	3/4	2,199.36	3/4	2,558.20	3/4	2,916.94	3/4	3,275.66
4	95.92	4	416.85	4	774.05	4	1,130.34	4	1,489.17	4	1,848.01	4	2,206.84	4	2,565.67	4	2,924.41	4	3,283.14
1/4	102.13	1/4	424.11	1/4	781.48	1/4	1,137.81	1/4	1,496.65	1/4	1,855.48	1/4	2,214.32	1/4	2,573.15	1/4	2,931.88	1/4	3,290.61
1/2	108.33	1/2	431.37	1/2	788.90	1/2	1,145.29	1/2	1,504.12	1/2	1,862.96	1/2	2,221.79	1/2	2,580.62	1/2	2,939.36	1/2	3,298.09
3/4	114.53	3/4	438.62	3/4	796.33	3/4	1,152.77	3/4	1,511.60	3/4	1,870.43	3/4	2,229.27	3/4	2,588.10	3/4	2,946.83	3/4	3,305.56
5	120.73	5	445.88	5	803.75	5	1,160.24	5	1,519.08	5	1,877.91	5	2,236.74	5	2,595.58	5	2,954.30	5	3,313.03
1/4	127.02	1/4	453.22	1/4	811.17	1/4	1,167.72	1/4	1,526.55	1/4	1,885.38	1/4	2,244.22	1/4	2,603.05	1/4	2,961.78	1/4	3,320.51
1/2	133.32	1/2	460.57	1/2	818.59	1/2	1,175.19	1/2	1,534.03	1/2	1,892.86	1/2	2,251.69	1/2	2,610.52	1/2	2,969.25	1/2	3,327.98
3/4	139.61	3/4	467.91	3/4	826.00	3/4	1,182.67	3/4	1,541.50	3/4	1,900.34	3/4	2,259.17	3/4	2,618.00	3/4	2,976.72	3/4	3,335.45
6	145.90	6	475.25	6	833.42	6	1,190.14	6	1,548.98	6	1,907.81	6	2,266.65	6	2,625.47	6	2,984.20	6	3,342.93
1/4	152.28	1/4	482.69	1/4	840.84	1/4	1,197.62	1/4	1,556.45	1/4	1,915.29	1/4	2,274.12	1/4	2,632.94	1/4	2,991.67	1/4	3,350.40
1/2	158.66	1/2	490.12	1/2	848.25	1/2	1,205.10	1/2	1,563.93	1/2	1,922.76	1/2	2,281.60	1/2	2,640.42	1/2	2,999.15	1/2	3,357.87
3/4	165.04	3/4	497.55	3/4	855.67	3/4	1,212.57	3/4	1,571.41	3/4	1,930.24	3/4	2,289.07	3/4	2,647.89	3/4	3,006.62	3/4	3,365.35
7	171.42	7	504.98	7	863.09	7	1,220.05	7	1,578.88	7	1,937.71	7	2,296.55	7	2,655.36	7	3,014.09	7	3,372.82
1/4	177.88	1/4	512.46	1/4	870.50	1/4	1,227.52	1/4	1,586.36	1/4	1,945.19	1/4	2,304.02	1/4	2,662.84	1/4	3,021.57	1/4	3,380.29
1/2	184.35	1/2	519.93	1/2	877.92	1/2	1,235.00	1/2	1,593.83	1/2	1,952.67	1/2	2,311.50	1/2	2,670.31	1/2	3,029.04	1/2	3,387.77
3/4	190.82	3/4	527.41	3/4	885.34	3/4	1,242.47	3/4	1,601.31	3/4	1,960.14	3/4	2,318.98	3/4	2,677.78	3/4	3,036.51	3/4	3,395.24
8	197.28	8	534.88	8	892.75	8	1,249.95	8	1,608.78	8	1,967.62	8	2,326.45	8	2,685.26	8	3,043.99	8	3,402.71
1/4	203.84	1/4	542.35	1/4	900.17	1/4	1,257.43	1/4	1,616.26	1/4	1,975.09	1/4	2,333.93	1/4	2,692.73	1/4	3,051.46	1/4	3,410.19
1/2	210.39	1/2	549.82	1/2	907.59	1/2	1,264.90	1/2	1,623.74	1/2	1,982.57	1/2	2,341.40	1/2	2,700.21	1/2	3,058.93	1/2	3,417.66
3/4	216.95	3/4	557.29	3/4	915.00	3/4	1,272.38	3/4	1,631.21	3/4	1,990.04	3/4	2,348.88	3/4	2,707.68	3/4	3,066.41	3/4	3,425.13
9	223.50	9	564.76	9	922.42	9	1,279.85	9	1,638.69	9	1,997.52	9	2,356.35	9	2,715.15	9	3,073.88	9	3,432.61
1/4	230.14	1/4	572.23	1/4	929.84	1/4	1,287.33	1/4	1,646.16	1/4	2,005.00	1/4	2,363.83	1/4	2,722.63	1/4	3,081.35	1/4	3,440.08
1/2	236.79	1/2	579.70	1/2	937.25	1/2	1,294.80	1/2	1,653.64	1/2	2,012.47	1/2	2,371.31	1/2	2,730.10	1/2	3,088.83	1/2	3,447.56
3/4	243.43	3/4	587.17	3/4	944.67	3/4	1,302.28	3/4	1,661.11	3/4	2,019.95	3/4	2,378.78	3/4	2,737.57	3/4	3,096.30	3/4	3,455.03
10	250.07	10	594.64	10	952.09	10	1,309.76	10	1,668.59	10	2,027.42	10	2,386.26	10	2,745.05	10	3,103.77	10	3,462.50
1/4	256.80	1/4	602.12	1/4	959.50	1/4	1,317.23	1/4	1,676.07	1/4	2,034.90	1/4	2,393.73	1/4	2,752.52	1/4	3,111.25	1/4	3,469.98
1/2	263.53	1/2	609.59	1/2	966.92	1/2	1,324.71	1/2	1,683.54	1/2	2,042.37	1/2	2,401.21	1/2	2,759.99	1/2	3,118.72	1/2	3,477.45
3/4	270.26	3/4	617.07	3/4	974.34	3/4	1,332.18	3/4	1,691.02	3/4	2,049.85	3/4	2,408.68	3/4	2,767.47	3/4	3,126.19	3/4	3,484.92
11	276.99	11	624.54	11	981.75	11	1,339.66	11	1,698.49	11	2,057.33	11	2,416.16	11	2,774.94	11	3,133.67	11	3,492.40
1/4	283.81	1/4	632.02	1/4	989.17	1/4	1,347.13	1/4	1,705.97	1/4	2,064.80	1/4	2,423.64	1/4	2,782.41	1/4	3,141.14	1/4	3,499.87
1/2	290.63	1/2	639.50	1/2	996.59	1/2	1,354.61	1/2	1,713.44	1/2	2,072.28	1/2	2,431.11	1/2	2,789.89	1/2	3,148.62	1/2	3,507.34
3/4	297.44	3/4	646.97	3/4	1,004.00	3/4	1,362.09	3/4	1,720.92	3/4	2,079.75	3/4	2,438.59	3/4	2,797.36	3/4	3,156.09	3/4	3,514.82

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "E2MS 303"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04 1/8"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,522.29	0	3,881.02	0	4,239.05	0	4,596.73	0	4,952.60	0		0		0		0		0	
1/4	3,529.76	1/4	3,888.49	1/4	4,246.50	1/4	4,604.18	1/4	4,959.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,537.24	1/2	3,895.97	1/2	4,253.95	1/2	4,611.63	1/2	4,967.22	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,544.71	3/4	3,903.44	3/4	4,261.40	3/4	4,619.09	3/4	4,974.53	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,552.18	1	3,910.91	1	4,268.86	1	4,626.54	1	4,981.83	1	1	1	1	1	1	1	1	1	1
1/4	3,559.66	1/4	3,918.39	1/4	4,276.31	1/4	4,633.99	1/4	4,988.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,567.13	1/2	3,925.86	1/2	4,283.76	1/2	4,641.44	1/2	4,994.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,574.60	3/4	3,933.33	3/4	4,291.21	3/4	4,648.89	3/4	5,001.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,582.08	2	3,940.81	2	4,298.66	2	4,656.34	2	5,007.62	2	2	2	2	2	2	2	2	2	2
1/4	3,589.55	1/4	3,948.28	1/4	4,306.11	1/4	4,663.80	1/4	5,012.82	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,597.03	1/2	3,955.75	1/2	4,313.57	1/2	4,671.25	1/2	5,018.02	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,604.50	3/4	3,963.23	3/4	4,321.02	3/4	4,678.70	3/4	5,023.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,611.97	3	3,970.70	3	4,328.47	3	4,686.15	3	5,028.41	3	3	3	3	3	3	3	3	3	3
1/4	3,619.45	1/4	3,978.17	1/4	4,335.92	1/4	4,693.60	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,626.92	1/2	3,985.65	1/2	4,343.37	1/2	4,701.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,634.39	3/4	3,993.12	3/4	4,350.82	3/4	4,708.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,641.87	4	4,000.59	4	4,358.28	4	4,715.96	4		4	4	4	4	4	4	4	4	4	4
1/4	3,649.34	1/4	4,008.05	1/4	4,365.73	1/4	4,723.41	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,656.81	1/2	4,015.50	1/2	4,373.18	1/2	4,730.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,664.29	3/4	4,022.95	3/4	4,380.63	3/4	4,738.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,671.76	5	4,030.40	5	4,388.08	5	4,745.76	5		5	5	5	5	5	5	5	5	5	5
1/4	3,679.23	1/4	4,037.85	1/4	4,395.53	1/4	4,753.22	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,686.71	1/2	4,045.30	1/2	4,402.99	1/2	4,760.67	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,694.18	3/4	4,052.76	3/4	4,410.44	3/4	4,768.12	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,701.65	6	4,060.21	6	4,417.89	6	4,775.57	6		6	6	6	6	6	6	6	6	6	6
1/4	3,709.13	1/4	4,067.66	1/4	4,425.34	1/4	4,782.95	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,716.60	1/2	4,075.11	1/2	4,432.79	1/2	4,790.33	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,724.07	3/4	4,082.56	3/4	4,440.24	3/4	4,797.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,731.55	7	4,090.01	7	4,447.70	7	4,805.08	7		7	7	7	7	7	7	7	7	7	7
1/4	3,739.02	1/4	4,097.47	1/4	4,455.15	1/4	4,812.46	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,746.50	1/2	4,104.92	1/2	4,462.60	1/2	4,819.84	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,753.97	3/4	4,112.37	3/4	4,470.05	3/4	4,827.22	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,761.44	8	4,119.82	8	4,477.50	8	4,834.60	8		8	8	8	8	8	8	8	8	8	8
1/4	3,768.92	1/4	4,127.27	1/4	4,484.95	1/4	4,841.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,776.39	1/2	4,134.72	1/2	4,492.41	1/2	4,849.35	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,783.86	3/4	4,142.18	3/4	4,499.86	3/4	4,856.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,791.34	9	4,149.63	9	4,507.31	9	4,864.11	9		9	9	9	9	9	9	9	9	9	9
1/4	3,798.81	1/4	4,157.08	1/4	4,514.76	1/4	4,871.49	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,806.28	1/2	4,164.53	1/2	4,522.21	1/2	4,878.87	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,813.76	3/4	4,171.98	3/4	4,529.66	3/4	4,886.25	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,821.23	10	4,179.44	10	4,537.12	10	4,893.63	10		10	10	10	10	10	10	10	10	10	10
1/4	3,828.70	1/4	4,186.89	1/4	4,544.57	1/4	4,901.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,836.18	1/2	4,194.34	1/2	4,552.02	1/2	4,908.38	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,843.65	3/4	4,201.79	3/4	4,559.47	3/4	4,915.76	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,851.12	11	4,209.24	11	4,566.92	11	4,923.14	11		11	11	11	11	11	11	11	11	11	11
1/4	3,858.60	1/4	4,216.69	1/4	4,574.38	1/4	4,930.50	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,866.07	1/2	4,224.15	1/2	4,581.83	1/2	4,937.87	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,873.54	3/4	4,231.60	3/4	4,589.28	3/4	4,945.23	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/27/2013 SW  
CALCULATED : 08/28/2013 CL  
PRINTED: 08/30/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "E2MS 303"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04"

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	15.31	0	304.05	0	654.07	0	1,012.28	0	1,370.79	0	1,729.40	0	2,088.01	0	2,446.62	0	2,805.18	0	3,163.68
1/4	18.35	1/4	310.95	1/4	661.54	1/4	1,019.74	1/4	1,378.26	1/4	1,736.87	1/4	2,095.48	1/4	2,454.10	1/4	2,812.64	1/4	3,171.15
1/2	21.40	1/2	317.85	1/2	669.01	1/2	1,027.19	1/2	1,385.73	1/2	1,744.34	1/2	2,102.95	1/2	2,461.57	1/2	2,820.11	1/2	3,178.62
3/4	24.45	3/4	324.75	3/4	676.48	3/4	1,034.65	3/4	1,393.20	3/4	1,751.81	3/4	2,110.42	3/4	2,469.04	3/4	2,827.58	3/4	3,186.09
1	27.50	1	331.65	1	683.95	1	1,042.11	1	1,400.67	1	1,759.28	1	2,117.90	1	2,476.51	1	2,835.05	1	3,193.56
1/4	32.50	1/4	338.64	1/4	691.42	1/4	1,049.57	1/4	1,408.14	1/4	1,766.75	1/4	2,125.37	1/4	2,483.98	1/4	2,842.52	1/4	3,201.03
1/2	37.50	1/2	345.63	1/2	698.89	1/2	1,057.04	1/2	1,415.61	1/2	1,774.23	1/2	2,132.84	1/2	2,491.45	1/2	2,849.99	1/2	3,208.50
3/4	42.50	3/4	352.62	3/4	706.36	3/4	1,064.50	3/4	1,423.08	3/4	1,781.70	3/4	2,140.31	3/4	2,498.92	3/4	2,857.46	3/4	3,215.97
2	47.50	2	359.61	2	713.83	2	1,071.97	2	1,430.55	2	1,789.17	2	2,147.78	2	2,506.39	2	2,864.93	2	3,223.43
1/4	53.49	1/4	366.69	1/4	721.31	1/4	1,079.43	1/4	1,438.03	1/4	1,796.64	1/4	2,155.25	1/4	2,513.86	1/4	2,872.40	1/4	3,230.90
1/2	59.47	1/2	373.76	1/2	728.78	1/2	1,086.90	1/2	1,445.50	1/2	1,804.11	1/2	2,162.72	1/2	2,521.34	1/2	2,879.86	1/2	3,238.37
3/4	65.46	3/4	380.84	3/4	736.25	3/4	1,094.36	3/4	1,452.97	3/4	1,811.58	3/4	2,170.19	3/4	2,528.81	3/4	2,887.33	3/4	3,245.84
3	71.45	3	387.91	3	743.72	3	1,101.83	3	1,460.44	3	1,819.05	3	2,177.66	3	2,536.28	3	2,894.80	3	3,253.31
1/4	77.55	1/4	395.08	1/4	751.19	1/4	1,109.30	1/4	1,467.91	1/4	1,826.52	1/4	2,185.14	1/4	2,543.75	1/4	2,902.27	1/4	3,260.78
1/2	83.65	1/2	402.24	1/2	758.66	1/2	1,116.77	1/2	1,475.38	1/2	1,833.99	1/2	2,192.61	1/2	2,551.22	1/2	2,909.74	1/2	3,268.25
3/4	89.75	3/4	409.41	3/4	766.13	3/4	1,124.24	3/4	1,482.85	3/4	1,841.47	3/4	2,200.08	3/4	2,558.69	3/4	2,917.21	3/4	3,275.72
4	95.85	4	416.57	4	773.60	4	1,131.71	4	1,490.32	4	1,848.94	4	2,207.55	4	2,566.16	4	2,924.68	4	3,283.19
1/4	102.05	1/4	423.82	1/4	781.07	1/4	1,139.18	1/4	1,497.79	1/4	1,856.41	1/4	2,215.02	1/4	2,573.63	1/4	2,932.15	1/4	3,290.65
1/2	108.25	1/2	431.07	1/2	788.55	1/2	1,146.65	1/2	1,505.27	1/2	1,863.88	1/2	2,222.49	1/2	2,581.10	1/2	2,939.62	1/2	3,298.12
3/4	114.45	3/4	438.33	3/4	796.02	3/4	1,154.12	3/4	1,512.74	3/4	1,871.35	3/4	2,229.96	3/4	2,588.58	3/4	2,947.08	3/4	3,305.59
5	120.65	5	445.58	5	803.49	5	1,161.60	5	1,520.21	5	1,878.82	5	2,237.43	5	2,596.05	5	2,954.55	5	3,313.06
1/4	126.93	1/4	452.92	1/4	810.94	1/4	1,169.07	1/4	1,527.68	1/4	1,886.29	1/4	2,244.90	1/4	2,603.52	1/4	2,962.02	1/4	3,320.53
1/2	133.22	1/2	460.26	1/2	818.40	1/2	1,176.54	1/2	1,535.15	1/2	1,893.76	1/2	2,252.38	1/2	2,610.98	1/2	2,969.49	1/2	3,328.00
3/4	139.51	3/4	467.60	3/4	825.86	3/4	1,184.01	3/4	1,542.62	3/4	1,901.23	3/4	2,259.85	3/4	2,618.45	3/4	2,976.96	3/4	3,335.47
6	145.79	6	474.94	6	833.32	6	1,191.48	6	1,550.09	6	1,908.71	6	2,267.32	6	2,625.92	6	2,984.43	6	3,342.94
1/4	152.17	1/4	482.36	1/4	840.77	1/4	1,198.95	1/4	1,557.56	1/4	1,916.18	1/4	2,274.79	1/4	2,633.39	1/4	2,991.90	1/4	3,350.41
1/2	158.54	1/2	489.79	1/2	848.23	1/2	1,206.42	1/2	1,565.03	1/2	1,923.65	1/2	2,282.26	1/2	2,640.86	1/2	2,999.37	1/2	3,357.87
3/4	164.92	3/4	497.22	3/4	855.69	3/4	1,213.89	3/4	1,572.51	3/4	1,931.12	3/4	2,289.73	3/4	2,648.33	3/4	3,006.84	3/4	3,365.34
7	171.29	7	504.64	7	863.14	7	1,221.36	7	1,579.98	7	1,938.59	7	2,297.20	7	2,655.80	7	3,014.30	7	3,372.81
1/4	177.76	1/4	512.12	1/4	870.60	1/4	1,228.84	1/4	1,587.45	1/4	1,946.06	1/4	2,304.67	1/4	2,663.27	1/4	3,021.77	1/4	3,380.28
1/2	184.22	1/2	519.59	1/2	878.06	1/2	1,236.31	1/2	1,594.92	1/2	1,953.53	1/2	2,312.14	1/2	2,670.74	1/2	3,029.24	1/2	3,387.75
3/4	190.68	3/4	527.06	3/4	885.51	3/4	1,243.78	3/4	1,602.39	3/4	1,961.00	3/4	2,319.62	3/4	2,678.20	3/4	3,036.71	3/4	3,395.22
8	197.14	8	534.53	8	892.97	8	1,251.25	8	1,609.86	8	1,968.47	8	2,327.09	8	2,685.67	8	3,044.18	8	3,402.69
1/4	203.69	1/4	542.00	1/4	900.43	1/4	1,258.72	1/4	1,617.33	1/4	1,975.95	1/4	2,334.56	1/4	2,693.14	1/4	3,051.65	1/4	3,410.16
1/2	210.24	1/2	549.47	1/2	907.88	1/2	1,266.19	1/2	1,624.80	1/2	1,983.42	1/2	2,342.03	1/2	2,700.61	1/2	3,059.12	1/2	3,417.63
3/4	216.79	3/4	556.94	3/4	915.34	3/4	1,273.66	3/4	1,632.27	3/4	1,990.89	3/4	2,349.50	3/4	2,708.08	3/4	3,066.59	3/4	3,425.09
9	223.34	9	564.41	9	922.80	9	1,281.13	9	1,639.75	9	1,998.36	9	2,356.97	9	2,715.55	9	3,074.06	9	3,432.56
1/4	229.98	1/4	571.88	1/4	930.25	1/4	1,288.60	1/4	1,647.22	1/4	2,005.83	1/4	2,364.44	1/4	2,723.02	1/4	3,081.52	1/4	3,440.03
1/2	236.62	1/2	579.35	1/2	937.71	1/2	1,296.07	1/2	1,654.69	1/2	2,013.30	1/2	2,371.91	1/2	2,730.49	1/2	3,088.99	1/2	3,447.50
3/4	243.26	3/4	586.83	3/4	945.17	3/4	1,303.55	3/4	1,662.16	3/4	2,020.77	3/4	2,379.38	3/4	2,737.96	3/4	3,096.46	3/4	3,454.97
10	249.90	10	594.30	10	952.62	10	1,311.02	10	1,669.63	10	2,028.24	10	2,386.86	10	2,745.42	10	3,103.93	10	3,462.44
1/4	256.62	1/4	601.77	1/4	960.08	1/4	1,318.49	1/4	1,677.10	1/4	2,035.71	1/4	2,394.33	1/4	2,752.89	1/4	3,111.40	1/4	3,469.91
1/2	263.35	1/2	609.24	1/2	967.54	1/2	1,325.96	1/2	1,684.57	1/2	2,043.18	1/2	2,401.80	1/2	2,760.36	1/2	3,118.87	1/2	3,477.38
3/4	270.07	3/4	616.71	3/4	974.99	3/4	1,333.43	3/4	1,692.04	3/4	2,050.66	3/4	2,409.27	3/4	2,767.83	3/4	3,126.34	3/4	3,484.85
11	276.80	11	624.18	11	982.45	11	1,340.90	11	1,699.51	11	2,058.13	11	2,416.74	11	2,775.30	11	3,133.81	11	3,492.31
1/4	283.61	1/4	631.65	1/4	989.91	1/4	1,348.37	1/4	1,706.99	1/4	2,065.60	1/4	2,424.21	1/4	2,782.77	1/4	3,141.28	1/4	3,499.78
1/2	290.42	1/2	639.12	1/2	997.36	1/2	1,355.84	1/2	1,714.46	1/2	2,073.07	1/2	2,431.68	1/2	2,790.24	1/2	3,148.74	1/2	3,507.25
3/4	297.24	3/4	646.59	3/4	1,004.82	3/4	1,363.31	3/4	1,721.93	3/4	2,080.54	3/4	2,439.15	3/4	2,797.71	3/4	3,156.21	3/4	3,514.72

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "E2MS 303"

1 STBD  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,522.19	0	3,880.70	0	4,238.50	0	4,595.96	0	4,951.60	0		0		0		0		0	
1/4	3,529.66	1/4	3,888.17	1/4	4,245.95	1/4	4,603.41	1/4	4,958.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,537.13	1/2	3,895.63	1/2	4,253.40	1/2	4,610.85	1/2	4,966.21	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,544.60	3/4	3,903.10	3/4	4,260.84	3/4	4,618.30	3/4	4,973.52	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,552.07	1	3,910.57	1	4,268.29	1	4,625.75	1	4,980.82	1	1	1	1	1	1	1	1	1	1
1/4	3,559.53	1/4	3,918.04	1/4	4,275.74	1/4	4,633.19	1/4	4,987.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,567.00	1/2	3,925.51	1/2	4,283.19	1/2	4,640.64	1/2	4,993.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,574.47	3/4	3,932.98	3/4	4,290.63	3/4	4,648.09	3/4	5,000.14	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,581.94	2	3,940.45	2	4,298.08	2	4,655.54	2	5,006.59	2	2	2	2	2	2	2	2	2	2
1/4	3,589.41	1/4	3,947.92	1/4	4,305.53	1/4	4,662.98	1/4	5,011.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,596.88	1/2	3,955.39	1/2	4,312.97	1/2	4,670.43	1/2	5,016.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,604.35	3/4	3,962.85	3/4	4,320.42	3/4	4,677.88	3/4	5,022.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,611.82	3	3,970.32	3	4,327.87	3	4,685.32	3	5,027.37	3	3	3	3	3	3	3	3	3	3
1/4	3,619.29	1/4	3,977.79	1/4	4,335.31	1/4	4,692.77	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,626.75	1/2	3,985.26	1/2	4,342.76	1/2	4,700.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,634.22	3/4	3,992.73	3/4	4,350.21	3/4	4,707.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,641.69	4	4,000.20	4	4,357.66	4	4,715.11	4		4	4	4	4	4	4	4	4	4	4
1/4	3,649.16	1/4	4,007.65	1/4	4,365.10	1/4	4,722.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,656.63	1/2	4,015.09	1/2	4,372.55	1/2	4,730.01	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,664.10	3/4	4,022.54	3/4	4,380.00	3/4	4,737.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,671.57	5	4,029.99	5	4,387.44	5	4,744.90	5		5	5	5	5	5	5	5	5	5	5
1/4	3,679.04	1/4	4,037.43	1/4	4,394.89	1/4	4,752.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,686.51	1/2	4,044.88	1/2	4,402.34	1/2	4,759.79	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,693.97	3/4	4,052.33	3/4	4,409.78	3/4	4,767.24	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,701.44	6	4,059.78	6	4,417.23	6	4,774.69	6		6	6	6	6	6	6	6	6	6	6
1/4	3,708.91	1/4	4,067.22	1/4	4,424.68	1/4	4,782.06	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,716.38	1/2	4,074.67	1/2	4,432.13	1/2	4,789.43	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,723.85	3/4	4,082.12	3/4	4,439.57	3/4	4,796.81	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,731.32	7	4,089.56	7	4,447.02	7	4,804.18	7		7	7	7	7	7	7	7	7	7	7
1/4	3,738.79	1/4	4,097.01	1/4	4,454.47	1/4	4,811.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,746.26	1/2	4,104.46	1/2	4,461.91	1/2	4,818.93	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,753.73	3/4	4,111.90	3/4	4,469.36	3/4	4,826.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,761.19	8	4,119.35	8	4,476.81	8	4,833.68	8		8	8	8	8	8	8	8	8	8	8
1/4	3,768.66	1/4	4,126.80	1/4	4,484.25	1/4	4,841.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,776.13	1/2	4,134.25	1/2	4,491.70	1/2	4,848.42	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,783.60	3/4	4,141.69	3/4	4,499.15	3/4	4,855.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,791.07	9	4,149.14	9	4,506.60	9	4,863.17	9		9	9	9	9	9	9	9	9	9	9
1/4	3,798.54	1/4	4,156.59	1/4	4,514.04	1/4	4,870.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,806.01	1/2	4,164.03	1/2	4,521.49	1/2	4,877.92	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,813.48	3/4	4,171.48	3/4	4,528.94	3/4	4,885.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,820.95	10	4,178.93	10	4,536.38	10	4,892.67	10		10	10	10	10	10	10	10	10	10	10
1/4	3,828.41	1/4	4,186.37	1/4	4,543.83	1/4	4,900.04	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,835.88	1/2	4,193.82	1/2	4,551.28	1/2	4,907.42	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,843.35	3/4	4,201.27	3/4	4,558.72	3/4	4,914.79	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,850.82	11	4,208.72	11	4,566.17	11	4,922.16	11		11	11	11	11	11	11	11	11	11	11
1/4	3,858.29	1/4	4,216.16	1/4	4,573.62	1/4	4,929.52	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,865.76	1/2	4,223.61	1/2	4,581.07	1/2	4,936.88	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,873.23	3/4	4,231.06	3/4	4,588.51	3/4	4,944.24	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/27/2013 SW  
CALCULATED: 08/28/2013 CL  
PRINTED: 08/30/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013

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



# BARGE "E2MS 303"

# 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	15.35	0	359.91	0	719.65	0	1,069.65	0	1,424.63	0	1,784.37	0	2,144.11	0	2,503.85	0	2,863.59	0	3,223.33	
1/4	20.04	1/4	367.40	1/4	727.14	1/4	1,076.83	1/4	1,432.13	1/4	1,791.87	1/4	2,151.61	1/4	2,511.35	1/4	2,871.09	1/4	3,230.83	
1/2	24.72	1/2	374.90	1/2	734.64	1/2	1,084.02	1/2	1,439.62	1/2	1,799.36	1/2	2,159.10	1/2	2,518.84	1/2	2,878.58	1/2	3,238.32	
3/4	29.41	3/4	382.39	3/4	742.13	3/4	1,091.21	3/4	1,447.11	3/4	1,806.86	3/4	2,166.60	3/4	2,526.34	3/4	2,886.08	3/4	3,245.82	
1	34.09	1	389.89	1	749.63	1	1,098.39	1	1,454.61	1	1,814.35	1	2,174.09	1	2,533.83	1	2,893.57	1	3,253.31	
1/4	40.65	1/4	397.38	1/4	757.12	1/4	1,105.59	1/4	1,462.10	1/4	1,821.84	1/4	2,181.59	1/4	2,541.33	1/4	2,901.07	1/4	3,260.81	
1/2	47.20	1/2	404.87	1/2	764.62	1/2	1,112.79	1/2	1,469.60	1/2	1,829.34	1/2	2,189.08	1/2	2,548.82	1/2	2,908.56	1/2	3,268.30	
3/4	53.76	3/4	412.37	3/4	772.11	3/4	1,119.98	3/4	1,477.09	3/4	1,836.83	3/4	2,196.57	3/4	2,556.32	3/4	2,916.06	3/4	3,275.80	
2	60.32	2	419.86	2	779.60	2	1,127.18	2	1,484.59	2	1,844.33	2	2,204.07	2	2,563.81	2	2,923.55	2	3,283.29	
1/4	67.77	1/4	427.36	1/4	787.10	1/4	1,134.37	1/4	1,492.08	1/4	1,851.82	1/4	2,211.56	1/4	2,571.30	1/4	2,931.05	1/4	3,290.79	
1/2	75.23	1/2	434.85	1/2	794.59	1/2	1,141.57	1/2	1,499.58	1/2	1,859.32	1/2	2,219.06	1/2	2,578.80	1/2	2,938.54	1/2	3,298.28	
3/4	82.69	3/4	442.35	3/4	802.09	3/4	1,148.76	3/4	1,507.07	3/4	1,866.81	3/4	2,226.55	3/4	2,586.29	3/4	2,946.03	3/4	3,305.78	
3	90.15	3	449.84	3	809.58	3	1,155.96	3	1,514.57	3	1,874.31	3	2,234.05	3	2,593.79	3	2,953.53	3	3,313.27	
1/4	97.63	1/4	457.34	1/4	817.08	1/4	1,163.17	1/4	1,522.06	1/4	1,881.80	1/4	2,241.54	1/4	2,601.28	1/4	2,961.02	1/4	3,320.76	
1/2	105.12	1/2	464.83	1/2	824.57	1/2	1,170.38	1/2	1,529.56	1/2	1,889.30	1/2	2,249.04	1/2	2,608.78	1/2	2,968.52	1/2	3,328.26	
3/4	112.60	3/4	472.33	3/4	832.07	3/4	1,177.59	3/4	1,537.05	3/4	1,896.79	3/4	2,256.53	3/4	2,616.27	3/4	2,976.01	3/4	3,335.75	
4	120.09	4	479.82	4	839.56	4	1,184.80	4	1,544.54	4	1,904.29	4	2,264.03	4	2,623.77	4	2,983.51	4	3,343.25	
1/4	127.58	1/4	487.32	1/4	846.77	1/4	1,192.30	1/4	1,552.04	1/4	1,911.78	1/4	2,271.52	1/4	2,631.26	1/4	2,991.00	1/4	3,350.74	
1/2	135.07	1/2	494.81	1/2	853.98	1/2	1,199.79	1/2	1,559.53	1/2	1,919.27	1/2	2,279.02	1/2	2,638.76	1/2	2,998.50	1/2	3,358.24	
3/4	142.56	3/4	502.30	3/4	861.20	3/4	1,207.29	3/4	1,567.03	3/4	1,926.77	3/4	2,286.51	3/4	2,646.25	3/4	3,005.99	3/4	3,365.73	
5	150.06	5	509.80	5	868.41	5	1,214.78	5	1,574.52	5	1,934.26	5	2,294.00	5	2,653.75	5	3,013.49	5	3,373.23	
1/4	157.55	1/4	517.29	1/4	875.59	1/4	1,222.28	1/4	1,582.02	1/4	1,941.76	1/4	2,301.50	1/4	2,661.24	1/4	3,020.98	1/4	3,380.72	
1/2	165.05	1/2	524.79	1/2	882.78	1/2	1,229.77	1/2	1,589.51	1/2	1,949.25	1/2	2,308.99	1/2	2,668.73	1/2	3,028.48	1/2	3,388.22	
3/4	172.54	3/4	532.28	3/4	889.97	3/4	1,237.27	3/4	1,597.01	3/4	1,956.75	3/4	2,316.49	3/4	2,676.23	3/4	3,035.97	3/4	3,395.71	
6	180.04	6	539.78	6	897.16	6	1,244.76	6	1,604.50	6	1,964.24	6	2,323.98	6	2,683.72	6	3,043.46	6	3,403.21	
1/4	187.53	1/4	547.27	1/4	904.34	1/4	1,252.26	1/4	1,612.00	1/4	1,971.74	1/4	2,331.48	1/4	2,691.22	1/4	3,050.96	1/4	3,410.70	
1/2	195.03	1/2	554.77	1/2	911.53	1/2	1,259.75	1/2	1,619.49	1/2	1,979.23	1/2	2,338.97	1/2	2,698.71	1/2	3,058.45	1/2	3,418.19	
3/4	202.52	3/4	562.26	3/4	918.72	3/4	1,267.24	3/4	1,626.99	3/4	1,986.73	3/4	2,346.47	3/4	2,706.21	3/4	3,065.95	3/4	3,425.69	
7	210.01	7	569.76	7	925.90	7	1,274.74	7	1,634.48	7	1,994.22	7	2,353.96	7	2,713.70	7	3,073.44	7	3,433.18	
1/4	217.51	1/4	577.25	1/4	933.09	1/4	1,282.23	1/4	1,641.97	1/4	2,001.72	1/4	2,361.46	1/4	2,721.20	1/4	3,080.94	1/4	3,440.68	
1/2	225.00	1/2	584.74	1/2	940.28	1/2	1,289.73	1/2	1,649.47	1/2	2,009.21	1/2	2,368.95	1/2	2,728.69	1/2	3,088.43	1/2	3,448.17	
3/4	232.50	3/4	592.24	3/4	947.47	3/4	1,297.22	3/4	1,656.96	3/4	2,016.70	3/4	2,376.45	3/4	2,736.19	3/4	3,095.93	3/4	3,455.67	
8	239.99	8	599.73	8	954.65	8	1,304.72	8	1,664.46	8	2,024.20	8	2,383.94	8	2,743.68	8	3,103.42	8	3,463.16	
1/4	247.49	1/4	607.23	1/4	961.84	1/4	1,312.21	1/4	1,671.95	1/4	2,031.69	1/4	2,391.43	1/4	2,751.18	1/4	3,110.92	1/4	3,470.66	
1/2	254.98	1/2	614.72	1/2	969.03	1/2	1,319.71	1/2	1,679.45	1/2	2,039.19	1/2	2,398.93	1/2	2,758.67	1/2	3,118.41	1/2	3,478.15	
3/4	262.48	3/4	622.22	3/4	976.21	3/4	1,327.20	3/4	1,686.94	3/4	2,046.68	3/4	2,406.42	3/4	2,766.16	3/4	3,125.91	3/4	3,485.65	
9	269.97	9	629.71	9	983.40	9	1,334.70	9	1,694.44	9	2,054.18	9	2,413.92	9	2,773.66	9	3,133.40	9	3,493.14	
1/4	277.47	1/4	637.21	1/4	990.59	1/4	1,342.19	1/4	1,701.93	1/4	2,061.67	1/4	2,421.41	1/4	2,781.15	1/4	3,140.89	1/4	3,500.64	
1/2	284.96	1/2	644.70	1/2	997.78	1/2	1,349.68	1/2	1,709.43	1/2	2,069.17	1/2	2,428.91	1/2	2,788.65	1/2	3,148.39	1/2	3,508.13	
3/4	292.46	3/4	652.20	3/4	1,004.96	3/4	1,357.18	3/4	1,716.92	3/4	2,076.66	3/4	2,436.40	3/4	2,796.14	3/4	3,155.88	3/4	3,515.62	
10	299.95	10	659.69	10	1,012.15	10	1,364.67	10	1,724.41	10	2,084.16	10	2,443.90	10	2,803.64	10	3,163.38	10	3,523.12	
1/4	307.44	1/4	667.19	1/4	1,019.34	1/4	1,372.17	1/4	1,731.91	1/4	2,091.65	1/4	2,451.39	1/4	2,811.13	1/4	3,170.87	1/4	3,530.61	
1/2	314.94	1/2	674.68	1/2	1,026.52	1/2	1,379.66	1/2	1,739.40	1/2	2,099.14	1/2	2,458.89	1/2	2,818.63	1/2	3,178.37	1/2	3,538.11	
3/4	322.43	3/4	682.17	3/4	1,033.71	3/4	1,387.16	3/4	1,746.90	3/4	2,106.64	3/4	2,466.38	3/4	2,826.12	3/4	3,185.86	3/4	3,545.60	
11	329.93	11	689.67	11	1,040.90	11	1,394.65	11	1,754.39	11	2,114.13	11	2,473.87	11	2,833.62	11	3,193.36	11	3,553.10	
1/4	337.42	1/4	697.16	1/4	1,048.09	1/4	1,402.15	1/4	1,761.89	1/4	2,121.63	1/4	2,481.37	1/4	2,841.11	1/4	3,200.85	1/4	3,560.59	
1/2	344.92	1/2	704.66	1/2	1,055.27	1/2	1,409.64	1/2	1,769.38	1/2	2,129.12	1/2	2,488.86	1/2	2,848.60	1/2	3,208.35	1/2	3,568.09	
3/4	352.41	3/4	712.15	3/4	1,062.46	3/4	1,417.14	3/4	1,776.88	3/4	2,136.62	3/4	2,496.36	3/4	2,856.10	3/4	3,215.84	3/4	3,575.58	

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "E2MS 303"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,583.08	0	3,942.82	0	4,301.86	0	4,660.55	0	5,017.59	0		0		0		0		0	
1/4	3,590.57	1/4	3,950.31	1/4	4,309.33	1/4	4,668.03	1/4	5,024.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,598.06	1/2	3,957.81	1/2	4,316.81	1/2	4,675.50	1/2	5,032.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,605.56	3/4	3,965.30	3/4	4,324.28	3/4	4,682.97	3/4	5,039.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,613.05	1	3,972.79	1	4,331.75	1	4,690.45	1	5,046.93	1	1	1	1	1	1	1	1	1	1
1/4	3,620.55	1/4	3,980.29	1/4	4,339.22	1/4	4,697.92	1/4	5,053.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,628.04	1/2	3,987.78	1/2	4,346.70	1/2	4,705.39	1/2	5,059.87	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,635.54	3/4	3,995.28	3/4	4,354.17	3/4	4,712.86	3/4	5,066.34	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,643.03	2	4,002.77	2	4,361.64	2	4,720.34	2	5,072.81	2	2	2	2	2	2	2	2	2	2
1/4	3,650.53	1/4	4,010.27	1/4	4,369.11	1/4	4,727.81	1/4	5,078.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,658.02	1/2	4,017.76	1/2	4,376.59	1/2	4,735.28	1/2	5,083.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,665.52	3/4	4,025.26	3/4	4,384.06	3/4	4,742.75	3/4	5,088.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,673.01	3	4,032.75	3	4,391.53	3	4,750.23	3	5,093.69	3	3	3	3	3	3	3	3	3	3
1/4	3,680.51	1/4	4,040.25	1/4	4,399.01	1/4	4,757.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,688.00	1/2	4,047.74	1/2	4,406.48	1/2	4,765.17	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,695.49	3/4	4,055.24	3/4	4,413.95	3/4	4,772.65	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,702.99	4	4,062.73	4	4,421.42	4	4,780.12	4	4	4	4	4	4	4	4	4	4	4	4
1/4	3,710.48	1/4	4,070.20	1/4	4,428.90	1/4	4,787.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,717.98	1/2	4,077.68	1/2	4,436.37	1/2	4,795.06	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,725.47	3/4	4,085.15	3/4	4,443.84	3/4	4,802.54	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,732.97	5	4,092.62	5	4,451.32	5	4,810.01	5	5	5	5	5	5	5	5	5	5	5	5
1/4	3,740.46	1/4	4,100.09	1/4	4,458.79	1/4	4,817.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,747.96	1/2	4,107.57	1/2	4,466.26	1/2	4,824.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,755.45	3/4	4,115.04	3/4	4,473.73	3/4	4,832.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,762.95	6	4,122.51	6	4,481.21	6	4,839.90	6	6	6	6	6	6	6	6	6	6	6	6
1/4	3,770.44	1/4	4,129.99	1/4	4,488.68	1/4	4,847.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,777.94	1/2	4,137.46	1/2	4,496.15	1/2	4,854.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,785.43	3/4	4,144.93	3/4	4,503.63	3/4	4,862.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,792.92	7	4,152.40	7	4,511.10	7	4,869.53	7	7	7	7	7	7	7	7	7	7	7	7
1/4	3,800.42	1/4	4,159.88	1/4	4,518.57	1/4	4,876.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,807.91	1/2	4,167.35	1/2	4,526.04	1/2	4,884.34	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,815.41	3/4	4,174.82	3/4	4,533.52	3/4	4,891.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,822.90	8	4,182.29	8	4,540.99	8	4,899.15	8	8	8	8	8	8	8	8	8	8	8	8
1/4	3,830.40	1/4	4,189.77	1/4	4,548.46	1/4	4,906.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,837.89	1/2	4,197.24	1/2	4,555.93	1/2	4,913.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,845.39	3/4	4,204.71	3/4	4,563.41	3/4	4,921.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,852.88	9	4,212.19	9	4,570.88	9	4,928.78	9	9	9	9	9	9	9	9	9	9	9	9
1/4	3,860.38	1/4	4,219.66	1/4	4,578.35	1/4	4,936.19	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,867.87	1/2	4,227.13	1/2	4,585.83	1/2	4,943.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,875.37	3/4	4,234.60	3/4	4,593.30	3/4	4,951.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,882.86	10	4,242.08	10	4,600.77	10	4,958.41	10	10	10	10	10	10	10	10	10	10	10	10
1/4	3,890.35	1/4	4,249.55	1/4	4,608.24	1/4	4,965.81	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,897.85	1/2	4,257.02	1/2	4,615.72	1/2	4,973.21	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,905.34	3/4	4,264.50	3/4	4,623.19	3/4	4,980.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,912.84	11	4,271.97	11	4,630.66	11	4,988.02	11	11	11	11	11	11	11	11	11	11	11	11
1/4	3,920.33	1/4	4,279.44	1/4	4,638.14	1/4	4,995.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,927.83	1/2	4,286.91	1/2	4,645.61	1/2	5,002.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,935.32	3/4	4,294.39	3/4	4,653.08	3/4	5,010.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/27/2013 SW  
CALCULATED: 08/28/2013 CL  
PRINTED: 08/30/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "E2MS 303"

## 2 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	15.37	0	360.17	0	720.17	0	1,079.77	0	1,439.67	0	1,799.67	0	2,159.67	0	2,519.67	0	2,879.61	0	3,239.51
1/4	20.05	1/4	367.67	1/4	727.67	1/4	1,087.26	1/4	1,447.17	1/4	1,807.17	1/4	2,167.17	1/4	2,527.17	1/4	2,887.11	1/4	3,247.01
1/2	24.74	1/2	375.17	1/2	735.17	1/2	1,094.74	1/2	1,454.67	1/2	1,814.67	1/2	2,174.67	1/2	2,534.67	1/2	2,894.61	1/2	3,254.51
3/4	29.43	3/4	382.67	3/4	742.67	3/4	1,102.23	3/4	1,462.17	3/4	1,822.17	3/4	2,182.17	3/4	2,542.17	3/4	2,902.11	3/4	3,262.01
1	34.12	1	390.17	1	750.17	1	1,109.72	1	1,469.67	1	1,829.67	1	2,189.67	1	2,549.67	1	2,909.60	1	3,269.50
1/4	40.68	1/4	397.67	1/4	757.67	1/4	1,117.21	1/4	1,477.17	1/4	1,837.17	1/4	2,197.17	1/4	2,557.17	1/4	2,917.10	1/4	3,277.00
1/2	47.24	1/2	405.17	1/2	765.17	1/2	1,124.70	1/2	1,484.67	1/2	1,844.67	1/2	2,204.67	1/2	2,564.67	1/2	2,924.60	1/2	3,284.50
3/4	53.80	3/4	412.67	3/4	772.67	3/4	1,132.20	3/4	1,492.17	3/4	1,852.17	3/4	2,212.17	3/4	2,572.17	3/4	2,932.10	3/4	3,292.00
2	60.36	2	420.17	2	780.17	2	1,139.69	2	1,499.67	2	1,859.67	2	2,219.67	2	2,579.67	2	2,939.60	2	3,299.49
1/4	67.82	1/4	427.67	1/4	787.67	1/4	1,147.19	1/4	1,507.17	1/4	1,867.17	1/4	2,227.17	1/4	2,587.17	1/4	2,947.09	1/4	3,306.99
1/2	75.29	1/2	435.17	1/2	795.17	1/2	1,154.68	1/2	1,514.67	1/2	1,874.67	1/2	2,234.67	1/2	2,594.67	1/2	2,954.59	1/2	3,314.49
3/4	82.75	3/4	442.67	3/4	802.67	3/4	1,162.18	3/4	1,522.17	3/4	1,882.17	3/4	2,242.17	3/4	2,602.17	3/4	2,962.09	3/4	3,321.99
3	90.21	3	450.17	3	810.17	3	1,169.67	3	1,529.67	3	1,889.67	3	2,249.67	3	2,609.67	3	2,969.59	3	3,329.49
1/4	97.70	1/4	457.67	1/4	817.67	1/4	1,177.17	1/4	1,537.17	1/4	1,897.17	1/4	2,257.17	1/4	2,617.17	1/4	2,977.09	1/4	3,336.98
1/2	105.19	1/2	465.17	1/2	825.17	1/2	1,184.67	1/2	1,544.67	1/2	1,904.67	1/2	2,264.67	1/2	2,624.67	1/2	2,984.58	1/2	3,344.48
3/4	112.68	3/4	472.67	3/4	832.67	3/4	1,192.17	3/4	1,552.17	3/4	1,912.17	3/4	2,272.17	3/4	2,632.17	3/4	2,992.08	3/4	3,351.98
4	120.17	4	480.17	4	840.17	4	1,199.67	4	1,559.67	4	1,919.67	4	2,279.67	4	2,639.67	4	2,999.58	4	3,359.48
1/4	127.67	1/4	487.67	1/4	847.67	1/4	1,207.17	1/4	1,567.17	1/4	1,927.17	1/4	2,287.17	1/4	2,647.17	1/4	3,007.08	1/4	3,366.98
1/2	135.17	1/2	495.17	1/2	855.17	1/2	1,214.67	1/2	1,574.67	1/2	1,934.67	1/2	2,294.67	1/2	2,654.67	1/2	3,014.57	1/2	3,374.47
3/4	142.67	3/4	502.67	3/4	862.67	3/4	1,222.17	3/4	1,582.17	3/4	1,942.17	3/4	2,302.17	3/4	2,662.17	3/4	3,022.07	3/4	3,381.97
5	150.17	5	510.17	5	870.17	5	1,229.67	5	1,589.67	5	1,949.67	5	2,309.67	5	2,669.67	5	3,029.57	5	3,389.47
1/4	157.67	1/4	517.67	1/4	877.65	1/4	1,237.17	1/4	1,597.17	1/4	1,957.17	1/4	2,317.17	1/4	2,677.17	1/4	3,037.07	1/4	3,396.97
1/2	165.17	1/2	525.17	1/2	885.14	1/2	1,244.67	1/2	1,604.67	1/2	1,964.67	1/2	2,324.67	1/2	2,684.67	1/2	3,044.57	1/2	3,404.47
3/4	172.67	3/4	532.67	3/4	892.62	3/4	1,252.17	3/4	1,612.17	3/4	1,972.17	3/4	2,332.17	3/4	2,692.16	3/4	3,052.06	3/4	3,411.96
6	180.17	6	540.17	6	900.11	6	1,259.67	6	1,619.67	6	1,979.67	6	2,339.67	6	2,699.66	6	3,059.56	6	3,419.46
1/4	187.67	1/4	547.67	1/4	907.60	1/4	1,267.17	1/4	1,627.17	1/4	1,987.17	1/4	2,347.17	1/4	2,707.16	1/4	3,067.06	1/4	3,426.96
1/2	195.17	1/2	555.17	1/2	915.08	1/2	1,274.67	1/2	1,634.67	1/2	1,994.67	1/2	2,354.67	1/2	2,714.66	1/2	3,074.56	1/2	3,434.46
3/4	202.67	3/4	562.67	3/4	922.57	3/4	1,282.17	3/4	1,642.17	3/4	2,002.17	3/4	2,362.17	3/4	2,722.16	3/4	3,082.06	3/4	3,441.95
7	210.17	7	570.17	7	930.05	7	1,289.67	7	1,649.67	7	2,009.67	7	2,369.67	7	2,729.65	7	3,089.55	7	3,449.45
1/4	217.67	1/4	577.67	1/4	937.54	1/4	1,297.17	1/4	1,657.17	1/4	2,017.17	1/4	2,377.17	1/4	2,737.15	1/4	3,097.05	1/4	3,456.95
1/2	225.17	1/2	585.17	1/2	945.03	1/2	1,304.67	1/2	1,664.67	1/2	2,024.67	1/2	2,384.67	1/2	2,744.65	1/2	3,104.55	1/2	3,464.45
3/4	232.67	3/4	592.67	3/4	952.51	3/4	1,312.17	3/4	1,672.17	3/4	2,032.17	3/4	2,392.17	3/4	2,752.15	3/4	3,112.05	3/4	3,471.95
8	240.17	8	600.17	8	960.00	8	1,319.67	8	1,679.67	8	2,039.67	8	2,399.67	8	2,759.65	8	3,119.55	8	3,479.44
1/4	247.67	1/4	607.67	1/4	967.48	1/4	1,327.17	1/4	1,687.17	1/4	2,047.17	1/4	2,407.17	1/4	2,767.14	1/4	3,127.04	1/4	3,486.94
1/2	255.17	1/2	615.17	1/2	974.97	1/2	1,334.67	1/2	1,694.67	1/2	2,054.67	1/2	2,414.67	1/2	2,774.64	1/2	3,134.54	1/2	3,494.44
3/4	262.67	3/4	622.67	3/4	982.46	3/4	1,342.17	3/4	1,702.17	3/4	2,062.17	3/4	2,422.17	3/4	2,782.14	3/4	3,142.04	3/4	3,501.94
9	270.17	9	630.17	9	989.94	9	1,349.67	9	1,709.67	9	2,069.67	9	2,429.67	9	2,789.64	9	3,149.54	9	3,509.44
1/4	277.67	1/4	637.67	1/4	997.43	1/4	1,357.17	1/4	1,717.17	1/4	2,077.17	1/4	2,437.17	1/4	2,797.14	1/4	3,157.03	1/4	3,516.93
1/2	285.17	1/2	645.17	1/2	1,004.91	1/2	1,364.67	1/2	1,724.67	1/2	2,084.67	1/2	2,444.67	1/2	2,804.63	1/2	3,164.53	1/2	3,524.43
3/4	292.67	3/4	652.67	3/4	1,012.40	3/4	1,372.17	3/4	1,732.17	3/4	2,092.17	3/4	2,452.17	3/4	2,812.13	3/4	3,172.03	3/4	3,531.93
10	300.17	10	660.17	10	1,019.89	10	1,379.67	10	1,739.67	10	2,099.67	10	2,459.67	10	2,819.63	10	3,179.53	10	3,539.43
1/4	307.67	1/4	667.67	1/4	1,027.37	1/4	1,387.17	1/4	1,747.17	1/4	2,107.17	1/4	2,467.17	1/4	2,827.13	1/4	3,187.03	1/4	3,546.93
1/2	315.17	1/2	675.17	1/2	1,034.86	1/2	1,394.67	1/2	1,754.67	1/2	2,114.67	1/2	2,474.67	1/2	2,834.63	1/2	3,194.52	1/2	3,554.42
3/4	322.67	3/4	682.67	3/4	1,042.34	3/4	1,402.17	3/4	1,762.17	3/4	2,122.17	3/4	2,482.17	3/4	2,842.12	3/4	3,202.02	3/4	3,561.92
11	330.17	11	690.17	11	1,049.83	11	1,409.67	11	1,769.67	11	2,129.67	11	2,489.67	11	2,849.62	11	3,209.52	11	3,569.42
1/4	337.67	1/4	697.67	1/4	1,057.31	1/4	1,417.17	1/4	1,777.17	1/4	2,137.17	1/4	2,497.17	1/4	2,857.12	1/4	3,217.02	1/4	3,576.92
1/2	345.17	1/2	705.17	1/2	1,064.80	1/2	1,424.67	1/2	1,784.67	1/2	2,144.67	1/2	2,504.67	1/2	2,864.62	1/2	3,224.52	1/2	3,584.41
3/4	352.67	3/4	712.67	3/4	1,072.29	3/4	1,432.17	3/4	1,792.17	3/4	2,152.17	3/4	2,512.17	3/4	2,872.11	3/4	3,232.01	3/4	3,591.91

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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







# BARGE "E2MS 303"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,599.41	0	3,959.31	0	4,318.51	0	4,677.37	0	5,034.42	0		0		0		0		0	
1/4	3,606.91	1/4	3,966.81	1/4	4,325.99	1/4	4,684.85	1/4	5,041.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,614.41	1/2	3,974.31	1/2	4,333.47	1/2	4,692.32	1/2	5,049.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,621.90	3/4	3,981.80	3/4	4,340.94	3/4	4,699.80	3/4	5,056.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,629.40	1	3,989.30	1	4,348.42	1	4,707.28	1	5,063.75	1	1	1	1	1	1	1	1	1	1
1/4	3,636.90	1/4	3,996.80	1/4	4,355.90	1/4	4,714.75	1/4	5,070.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,644.40	1/2	4,004.30	1/2	4,363.37	1/2	4,722.23	1/2	5,076.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,651.90	3/4	4,011.80	3/4	4,370.85	3/4	4,729.71	3/4	5,083.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,659.39	2	4,019.29	2	4,378.32	2	4,737.18	2	5,089.62	2	2	2	2	2	2	2	2	2	2
1/4	3,666.89	1/4	4,026.79	1/4	4,385.80	1/4	4,744.66	1/4	5,094.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,674.39	1/2	4,034.29	1/2	4,393.28	1/2	4,752.13	1/2	5,100.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,681.89	3/4	4,041.79	3/4	4,400.75	3/4	4,759.61	3/4	5,105.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,689.39	3	4,049.28	3	4,408.23	3	4,767.09	3	5,110.49	3	3	3	3	3	3	3	3	3	3
1/4	3,696.88	1/4	4,056.78	1/4	4,415.71	1/4	4,774.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,704.38	1/2	4,064.28	1/2	4,423.18	1/2	4,782.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,711.88	3/4	4,071.78	3/4	4,430.66	3/4	4,789.52	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,719.38	4	4,079.28	4	4,438.13	4	4,796.99	4		4	4	4	4	4	4	4	4	4	4
1/4	3,726.88	1/4	4,086.75	1/4	4,445.61	1/4	4,804.47	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,734.37	1/2	4,094.23	1/2	4,453.09	1/2	4,811.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,741.87	3/4	4,101.70	3/4	4,460.56	3/4	4,819.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,749.37	5	4,109.18	5	4,468.04	5	4,826.90	5		5	5	5	5	5	5	5	5	5	5
1/4	3,756.87	1/4	4,116.66	1/4	4,475.51	1/4	4,834.37	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,764.36	1/2	4,124.13	1/2	4,482.99	1/2	4,841.85	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,771.86	3/4	4,131.61	3/4	4,490.47	3/4	4,849.32	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,779.36	6	4,139.09	6	4,497.94	6	4,856.80	6		6	6	6	6	6	6	6	6	6	6
1/4	3,786.86	1/4	4,146.56	1/4	4,505.42	1/4	4,864.20	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,794.36	1/2	4,154.04	1/2	4,512.90	1/2	4,871.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,801.85	3/4	4,161.51	3/4	4,520.37	3/4	4,879.01	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,809.35	7	4,168.99	7	4,527.85	7	4,886.41	7		7	7	7	7	7	7	7	7	7	7
1/4	3,816.85	1/4	4,176.47	1/4	4,535.32	1/4	4,893.81	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,824.35	1/2	4,183.94	1/2	4,542.80	1/2	4,901.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,831.85	3/4	4,191.42	3/4	4,550.28	3/4	4,908.62	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,839.34	8	4,198.90	8	4,557.75	8	4,916.02	8		8	8	8	8	8	8	8	8	8	8
1/4	3,846.84	1/4	4,206.37	1/4	4,565.23	1/4	4,923.42	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,854.34	1/2	4,213.85	1/2	4,572.71	1/2	4,930.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,861.84	3/4	4,221.32	3/4	4,580.18	3/4	4,938.23	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,869.34	9	4,228.80	9	4,587.66	9	4,945.63	9		9	9	9	9	9	9	9	9	9	9
1/4	3,876.83	1/4	4,236.28	1/4	4,595.13	1/4	4,953.04	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,884.33	1/2	4,243.75	1/2	4,602.61	1/2	4,960.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,891.83	3/4	4,251.23	3/4	4,610.09	3/4	4,967.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,899.33	10	4,258.71	10	4,617.56	10	4,975.25	10		10	10	10	10	10	10	10	10	10	10
1/4	3,906.82	1/4	4,266.18	1/4	4,625.04	1/4	4,982.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,914.32	1/2	4,273.66	1/2	4,632.52	1/2	4,990.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,921.82	3/4	4,281.13	3/4	4,639.99	3/4	4,997.46	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,929.32	11	4,288.61	11	4,647.47	11	5,004.86	11		11	11	11	11	11	11	11	11	11	11
1/4	3,936.82	1/4	4,296.09	1/4	4,654.94	1/4	5,012.25	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,944.31	1/2	4,303.56	1/2	4,662.42	1/2	5,019.64	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,951.81	3/4	4,311.04	3/4	4,669.90	3/4	5,027.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/27/2013 SW  
CALCULATED : 08/28/2013 CL  
PRINTED: 08/30/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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Pearland, Texas 77588  
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# BARGE "E2MS 303"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	15.29	0	358.16	0	715.69	0	1,063.55	0	1,417.08	0	1,774.30	0	2,130.79	0	2,488.00	0	2,844.93	0	3,201.83
1/4	19.95	1/4	365.61	1/4	723.14	1/4	1,070.71	1/4	1,424.52	1/4	1,781.73	1/4	2,138.23	1/4	2,495.44	1/4	2,852.36	1/4	3,209.23
1/2	24.61	1/2	373.06	1/2	730.58	1/2	1,077.86	1/2	1,431.96	1/2	1,789.15	1/2	2,145.67	1/2	2,502.88	1/2	2,859.80	1/2	3,216.64
3/4	29.27	3/4	380.51	3/4	738.03	3/4	1,085.01	3/4	1,439.41	3/4	1,796.58	3/4	2,153.11	3/4	2,510.31	3/4	2,867.23	3/4	3,224.05
1	33.94	1	387.95	1	745.48	1	1,092.16	1	1,446.85	1	1,804.01	1	2,160.55	1	2,517.75	1	2,874.67	1	3,231.45
1/4	40.46	1/4	395.40	1/4	752.93	1/4	1,099.38	1/4	1,454.29	1/4	1,811.43	1/4	2,167.99	1/4	2,525.19	1/4	2,882.10	1/4	3,238.86
1/2	46.99	1/2	402.85	1/2	760.38	1/2	1,106.61	1/2	1,461.74	1/2	1,818.86	1/2	2,175.43	1/2	2,532.62	1/2	2,889.54	1/2	3,246.27
3/4	53.51	3/4	410.30	3/4	767.83	3/4	1,113.83	3/4	1,469.18	3/4	1,826.29	3/4	2,182.87	3/4	2,540.06	3/4	2,896.97	3/4	3,253.67
2	60.04	2	417.75	2	775.28	2	1,121.05	2	1,476.62	2	1,833.72	2	2,190.32	2	2,547.50	2	2,904.41	2	3,261.08
1/4	67.46	1/4	425.20	1/4	782.72	1/4	1,128.27	1/4	1,484.07	1/4	1,841.14	1/4	2,197.76	1/4	2,554.93	1/4	2,911.84	1/4	3,268.49
1/2	74.89	1/2	432.64	1/2	790.17	1/2	1,135.49	1/2	1,491.51	1/2	1,848.57	1/2	2,205.20	1/2	2,562.37	1/2	2,919.28	1/2	3,275.90
3/4	82.31	3/4	440.09	3/4	797.62	3/4	1,142.72	3/4	1,498.95	3/4	1,856.00	3/4	2,212.64	3/4	2,569.81	3/4	2,926.72	3/4	3,283.30
3	89.74	3	447.54	3	805.07	3	1,149.94	3	1,506.40	3	1,863.42	3	2,220.08	3	2,577.24	3	2,934.15	3	3,290.71
1/4	97.19	1/4	454.99	1/4	812.45	1/4	1,157.17	1/4	1,513.84	1/4	1,870.85	1/4	2,227.52	1/4	2,584.68	1/4	2,941.59	1/4	3,298.12
1/2	104.64	1/2	462.44	1/2	819.84	1/2	1,164.41	1/2	1,521.28	1/2	1,878.28	1/2	2,234.96	1/2	2,592.12	1/2	2,949.02	1/2	3,305.52
3/4	112.09	3/4	469.89	3/4	827.22	3/4	1,171.65	3/4	1,528.73	3/4	1,885.70	3/4	2,242.40	3/4	2,599.55	3/4	2,956.46	3/4	3,312.93
4	119.53	4	477.34	4	834.61	4	1,178.88	4	1,536.17	4	1,893.13	4	2,249.84	4	2,606.99	4	2,963.89	4	3,320.34
1/4	126.99	1/4	484.78	1/4	841.78	1/4	1,186.33	1/4	1,543.62	1/4	1,900.56	1/4	2,257.28	1/4	2,614.43	1/4	2,971.33	1/4	3,327.74
1/2	134.45	1/2	492.23	1/2	848.96	1/2	1,193.77	1/2	1,551.06	1/2	1,907.99	1/2	2,264.72	1/2	2,621.86	1/2	2,978.76	1/2	3,335.15
3/4	141.91	3/4	499.68	3/4	856.13	3/4	1,201.21	3/4	1,558.50	3/4	1,915.41	3/4	2,272.16	3/4	2,629.30	3/4	2,986.20	3/4	3,342.56
5	149.37	5	507.13	5	863.31	5	1,208.66	5	1,565.95	5	1,922.84	5	2,279.60	5	2,636.74	5	2,993.63	5	3,349.96
1/4	156.83	1/4	514.58	1/4	870.46	1/4	1,216.10	1/4	1,573.39	1/4	1,930.27	1/4	2,287.04	1/4	2,644.17	1/4	3,001.07	1/4	3,357.37
1/2	164.29	1/2	522.03	1/2	877.61	1/2	1,223.54	1/2	1,580.83	1/2	1,937.69	1/2	2,294.49	1/2	2,651.61	1/2	3,008.51	1/2	3,364.77
3/4	171.75	3/4	529.48	3/4	884.76	3/4	1,230.99	3/4	1,588.28	3/4	1,945.12	3/4	2,301.93	3/4	2,659.04	3/4	3,015.94	3/4	3,372.17
6	179.21	6	536.92	6	891.91	6	1,238.43	6	1,595.72	6	1,952.55	6	2,309.38	6	2,666.48	6	3,023.38	6	3,379.58
1/4	186.67	1/4	544.37	1/4	899.07	1/4	1,245.88	1/4	1,603.16	1/4	1,959.98	1/4	2,316.82	1/4	2,673.91	1/4	3,030.81	1/4	3,386.97
1/2	194.13	1/2	551.82	1/2	906.22	1/2	1,253.32	1/2	1,610.61	1/2	1,967.40	1/2	2,324.27	1/2	2,681.35	1/2	3,038.25	1/2	3,394.36
3/4	201.59	3/4	559.27	3/4	913.37	3/4	1,260.76	3/4	1,618.05	3/4	1,974.83	3/4	2,331.72	3/4	2,688.78	3/4	3,045.68	3/4	3,401.76
7	209.05	7	566.72	7	920.52	7	1,268.21	7	1,625.49	7	1,982.26	7	2,339.16	7	2,696.22	7	3,053.12	7	3,409.15
1/4	216.51	1/4	574.17	1/4	927.67	1/4	1,275.65	1/4	1,632.94	1/4	1,989.68	1/4	2,346.61	1/4	2,703.65	1/4	3,060.55	1/4	3,416.32
1/2	223.97	1/2	581.61	1/2	934.82	1/2	1,283.09	1/2	1,640.38	1/2	1,997.11	1/2	2,354.05	1/2	2,711.09	1/2	3,067.99	1/2	3,423.48
3/4	231.43	3/4	589.06	3/4	941.98	3/4	1,290.54	3/4	1,647.82	3/4	2,004.54	3/4	2,361.50	3/4	2,718.52	3/4	3,075.42	3/4	3,430.65
8	238.89	8	596.51	8	949.13	8	1,297.98	8	1,655.27	8	2,011.97	8	2,368.94	8	2,725.96	8	3,082.86	8	3,437.81
1/4	246.35	1/4	603.96	1/4	956.28	1/4	1,305.42	1/4	1,662.71	1/4	2,019.39	1/4	2,376.39	1/4	2,733.40	1/4	3,090.29	1/4	3,444.50
1/2	253.81	1/2	611.41	1/2	963.43	1/2	1,312.87	1/2	1,670.15	1/2	2,026.82	1/2	2,383.84	1/2	2,740.83	1/2	3,097.73	1/2	3,451.19
3/4	261.27	3/4	618.86	3/4	970.58	3/4	1,320.31	3/4	1,677.60	3/4	2,034.25	3/4	2,391.28	3/4	2,748.27	3/4	3,105.17	3/4	3,457.88
9	268.73	9	626.31	9	977.73	9	1,327.75	9	1,685.04	9	2,041.67	9	2,398.73	9	2,755.70	9	3,112.60	9	3,464.56
1/4	276.19	1/4	633.75	1/4	984.89	1/4	1,335.20	1/4	1,692.49	1/4	2,049.09	1/4	2,406.17	1/4	2,763.14	1/4	3,120.04	1/4	3,470.77
1/2	283.65	1/2	641.20	1/2	992.04	1/2	1,342.64	1/2	1,699.93	1/2	2,056.51	1/2	2,413.62	1/2	2,770.57	1/2	3,127.47	1/2	3,476.98
3/4	291.11	3/4	648.65	3/4	999.19	3/4	1,350.08	3/4	1,707.37	3/4	2,063.93	3/4	2,421.06	3/4	2,778.01	3/4	3,134.91	3/4	3,483.19
10	298.57	10	656.10	10	1,006.34	10	1,357.53	10	1,714.82	10	2,071.35	10	2,428.51	10	2,785.44	10	3,142.34	10	3,489.40
1/4	306.02	1/4	663.55	1/4	1,013.49	1/4	1,364.97	1/4	1,722.26	1/4	2,078.77	1/4	2,435.95	1/4	2,792.88	1/4	3,149.78	1/4	3,495.14
1/2	313.47	1/2	671.00	1/2	1,020.64	1/2	1,372.41	1/2	1,729.70	1/2	2,086.19	1/2	2,443.38	1/2	2,800.31	1/2	3,157.21	1/2	3,500.89
3/4	320.92	3/4	678.45	3/4	1,027.80	3/4	1,379.86	3/4	1,737.15	3/4	2,093.61	3/4	2,450.82	3/4	2,807.75	3/4	3,164.65	3/4	3,506.63
11	328.37	11	685.89	11	1,034.95	11	1,387.30	11	1,744.59	11	2,101.03	11	2,458.26	11	2,815.18	11	3,172.08	11	3,512.37
1/4	335.81	1/4	693.34	1/4	1,042.10	1/4	1,394.75	1/4	1,752.02	1/4	2,108.47	1/4	2,465.69	1/4	2,822.62	1/4	3,179.52	1/4	3,517.63
1/2	343.26	1/2	700.79	1/2	1,049.25	1/2	1,402.19	1/2	1,759.44	1/2	2,115.91	1/2	2,473.13	1/2	2,830.06	1/2	3,186.95	1/2	3,522.89
3/4	350.71	3/4	708.24	3/4	1,056.40	3/4	1,409.63	3/4	1,766.87	3/4	2,123.35	3/4	2,480.57	3/4	2,837.49	3/4	3,194.39	3/4	3,528.16

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "E2MS 303"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,533.42	0	3,754.19	0	3,973.59	0	4,192.80	0	4,410.90	0		0		0		0		0	
1/4	3,538.24	1/4	3,758.77	1/4	3,978.16	1/4	4,197.36	1/4	4,415.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,543.06	1/2	3,763.35	1/2	3,982.73	1/2	4,201.93	1/2	4,419.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,547.88	3/4	3,767.93	3/4	3,987.29	3/4	4,206.50	3/4	4,424.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,552.70	1	3,772.51	1	3,991.86	1	4,211.06	1	4,428.81	1	1	1	1	1	1	1	1	1	1
1/4	3,557.27	1/4	3,777.09	1/4	3,996.43	1/4	4,215.63	1/4	4,432.76	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,561.85	1/2	3,781.67	1/2	4,000.99	1/2	4,220.20	1/2	4,436.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,566.43	3/4	3,786.24	3/4	4,005.56	3/4	4,224.76	3/4	4,440.66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,571.01	2	3,790.82	2	4,010.13	2	4,229.33	2	4,444.61	2	2	2	2	2	2	2	2	2	2
1/4	3,575.59	1/4	3,795.40	1/4	4,014.69	1/4	4,233.90	1/4	4,447.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,580.17	1/2	3,799.98	1/2	4,019.26	1/2	4,238.46	1/2	4,450.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,584.75	3/4	3,804.56	3/4	4,023.83	3/4	4,243.03	3/4	4,454.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,589.33	3	3,809.14	3	4,028.39	3	4,247.60	3	4,457.36	3	3	3	3	3	3	3	3	3	3
1/4	3,593.91	1/4	3,813.72	1/4	4,032.96	1/4	4,252.16	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,598.49	1/2	3,818.30	1/2	4,037.53	1/2	4,256.73	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,603.07	3/4	3,822.88	3/4	4,042.09	3/4	4,261.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,607.65	4	3,827.46	4	4,046.66	4	4,265.86	4	4	4	4	4	4	4	4	4	4	4	4
1/4	3,612.23	1/4	3,832.03	1/4	4,051.23	1/4	4,270.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,616.81	1/2	3,836.59	1/2	4,055.79	1/2	4,275.00	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,621.39	3/4	3,841.16	3/4	4,060.36	3/4	4,279.56	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,625.97	5	3,845.73	5	4,064.93	5	4,284.13	5	5	5	5	5	5	5	5	5	5	5	5
1/4	3,630.55	1/4	3,850.29	1/4	4,069.49	1/4	4,288.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,635.12	1/2	3,854.86	1/2	4,074.06	1/2	4,293.26	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,639.70	3/4	3,859.43	3/4	4,078.63	3/4	4,297.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,644.28	6	3,863.99	6	4,083.19	6	4,302.40	6	6	6	6	6	6	6	6	6	6	6	6
1/4	3,648.86	1/4	3,868.56	1/4	4,087.76	1/4	4,306.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,653.44	1/2	3,873.13	1/2	4,092.33	1/2	4,311.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,658.02	3/4	3,877.69	3/4	4,096.89	3/4	4,315.96	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,662.60	7	3,882.26	7	4,101.46	7	4,320.48	7	7	7	7	7	7	7	7	7	7	7	7
1/4	3,667.18	1/4	3,886.83	1/4	4,106.03	1/4	4,325.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,671.76	1/2	3,891.39	1/2	4,110.59	1/2	4,329.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,676.34	3/4	3,895.96	3/4	4,115.16	3/4	4,334.05	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,680.92	8	3,900.53	8	4,119.73	8	4,338.57	8	8	8	8	8	8	8	8	8	8	8	8
1/4	3,685.50	1/4	3,905.09	1/4	4,124.29	1/4	4,343.09	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,690.08	1/2	3,909.66	1/2	4,128.86	1/2	4,347.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,694.66	3/4	3,914.23	3/4	4,133.43	3/4	4,352.14	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,699.24	9	3,918.79	9	4,138.00	9	4,356.66	9	9	9	9	9	9	9	9	9	9	9	9
1/4	3,703.82	1/4	3,923.36	1/4	4,142.56	1/4	4,361.18	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,708.40	1/2	3,927.93	1/2	4,147.13	1/2	4,365.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,712.97	3/4	3,932.49	3/4	4,151.70	3/4	4,370.23	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,717.55	10	3,937.06	10	4,156.26	10	4,374.75	10	10	10	10	10	10	10	10	10	10	10	10
1/4	3,722.13	1/4	3,941.63	1/4	4,160.83	1/4	4,379.27	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,726.71	1/2	3,946.19	1/2	4,165.40	1/2	4,383.79	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,731.29	3/4	3,950.76	3/4	4,169.96	3/4	4,388.32	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,735.87	11	3,955.33	11	4,174.53	11	4,392.84	11	11	11	11	11	11	11	11	11	11	11	11
1/4	3,740.45	1/4	3,959.89	1/4	4,179.10	1/4	4,397.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,745.03	1/2	3,964.46	1/2	4,183.66	1/2	4,401.87	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,749.61	3/4	3,969.03	3/4	4,188.23	3/4	4,406.38	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/27/2013 SW  
CALCULATED : 08/28/2013 CL  
PRINTED: 08/30/2013 CL

PRECISION MEASUREMENT  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013



# BARGE "E2MS 303"

# 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	15.28	0	358.13	0	716.09	0	1,073.65	0	1,431.52	0	1,789.50	0	2,147.47	0	2,505.37	0	2,862.86	0	3,220.34
1/4	19.94	1/4	365.59	1/4	723.55	1/4	1,081.10	1/4	1,438.98	1/4	1,796.96	1/4	2,154.93	1/4	2,512.82	1/4	2,870.31	1/4	3,227.76
1/2	24.60	1/2	373.05	1/2	731.01	1/2	1,088.54	1/2	1,446.44	1/2	1,804.41	1/2	2,162.39	1/2	2,520.27	1/2	2,877.76	1/2	3,235.18
3/4	29.26	3/4	380.50	3/4	738.47	3/4	1,095.98	3/4	1,453.90	3/4	1,811.87	3/4	2,169.85	3/4	2,527.71	3/4	2,885.21	3/4	3,242.60
1	33.92	1	387.96	1	745.93	1	1,103.43	1	1,461.35	1	1,819.33	1	2,177.30	1	2,535.16	1	2,892.65	1	3,250.02
1/4	40.45	1/4	395.42	1/4	753.38	1/4	1,110.88	1/4	1,468.81	1/4	1,826.79	1/4	2,184.76	1/4	2,542.61	1/4	2,900.10	1/4	3,257.44
1/2	46.97	1/2	402.88	1/2	760.84	1/2	1,118.33	1/2	1,476.27	1/2	1,834.24	1/2	2,192.22	1/2	2,550.06	1/2	2,907.55	1/2	3,264.86
3/4	53.50	3/4	410.33	3/4	768.30	3/4	1,125.78	3/4	1,483.73	3/4	1,841.70	3/4	2,199.68	3/4	2,557.51	3/4	2,915.00	3/4	3,272.28
2	60.02	2	417.79	2	775.76	2	1,133.23	2	1,491.19	2	1,849.16	2	2,207.13	2	2,564.96	2	2,922.44	2	3,279.70
1/4	67.44	1/4	425.25	1/4	783.21	1/4	1,140.69	1/4	1,498.64	1/4	1,856.62	1/4	2,214.59	1/4	2,572.40	1/4	2,929.89	1/4	3,287.11
1/2	74.86	1/2	432.71	1/2	790.67	1/2	1,148.14	1/2	1,506.10	1/2	1,864.08	1/2	2,222.05	1/2	2,579.85	1/2	2,937.34	1/2	3,294.53
3/4	82.28	3/4	440.16	3/4	798.13	3/4	1,155.59	3/4	1,513.56	3/4	1,871.53	3/4	2,229.51	3/4	2,587.30	3/4	2,944.79	3/4	3,301.95
3	89.70	3	447.62	3	805.59	3	1,163.04	3	1,521.02	3	1,879.99	3	2,236.97	3	2,594.75	3	2,952.23	3	3,309.37
1/4	97.15	1/4	455.08	1/4	813.04	1/4	1,170.50	1/4	1,528.47	1/4	1,886.45	1/4	2,244.42	1/4	2,602.20	1/4	2,959.68	1/4	3,316.79
1/2	104.60	1/2	462.54	1/2	820.50	1/2	1,177.96	1/2	1,535.93	1/2	1,893.91	1/2	2,251.88	1/2	2,609.64	1/2	2,967.13	1/2	3,324.21
3/4	112.05	3/4	469.99	3/4	827.96	3/4	1,185.42	3/4	1,543.39	3/4	1,901.36	3/4	2,259.34	3/4	2,617.09	3/4	2,974.58	3/4	3,331.63
4	119.49	4	477.45	4	835.42	4	1,192.87	4	1,550.85	4	1,908.82	4	2,266.80	4	2,624.54	4	2,982.02	4	3,339.05
1/4	126.95	1/4	484.91	1/4	842.87	1/4	1,200.33	1/4	1,558.31	1/4	1,916.28	1/4	2,274.25	1/4	2,631.99	1/4	2,989.47	1/4	3,346.47
1/2	134.40	1/2	492.37	1/2	850.33	1/2	1,207.79	1/2	1,565.76	1/2	1,923.74	1/2	2,281.71	1/2	2,639.44	1/2	2,996.92	1/2	3,353.88
3/4	141.86	3/4	499.82	3/4	857.79	3/4	1,215.25	3/4	1,573.22	3/4	1,931.20	3/4	2,289.17	3/4	2,646.89	3/4	3,004.37	3/4	3,361.30
5	149.32	5	507.28	5	865.25	5	1,222.71	5	1,580.68	5	1,938.65	5	2,296.63	5	2,654.33	5	3,011.81	5	3,368.72
1/4	156.77	1/4	514.74	1/4	872.69	1/4	1,230.16	1/4	1,588.14	1/4	1,946.11	1/4	2,304.09	1/4	2,661.78	1/4	3,019.26	1/4	3,376.14
1/2	164.23	1/2	522.20	1/2	880.13	1/2	1,237.62	1/2	1,595.60	1/2	1,953.57	1/2	2,311.54	1/2	2,669.23	1/2	3,026.71	1/2	3,383.55
3/4	171.69	3/4	529.65	3/4	887.58	3/4	1,245.08	3/4	1,603.05	3/4	1,961.03	3/4	2,319.00	3/4	2,676.68	3/4	3,034.16	3/4	3,390.97
6	179.15	6	537.11	6	895.02	6	1,252.54	6	1,610.51	6	1,968.49	6	2,326.46	6	2,684.12	6	3,041.60	6	3,398.38
1/4	186.61	1/4	544.57	1/4	902.46	1/4	1,259.99	1/4	1,617.97	1/4	1,975.94	1/4	2,333.92	1/4	2,691.57	1/4	3,049.05	1/4	3,405.79
1/2	194.06	1/2	552.03	1/2	909.91	1/2	1,267.45	1/2	1,625.43	1/2	1,983.40	1/2	2,341.38	1/2	2,699.02	1/2	3,056.50	1/2	3,413.19
3/4	201.52	3/4	559.49	3/4	917.35	3/4	1,274.91	3/4	1,632.88	3/4	1,990.86	3/4	2,348.83	3/4	2,706.47	3/4	3,063.95	3/4	3,420.60
7	208.98	7	566.94	7	924.79	7	1,282.37	7	1,640.34	7	1,998.32	7	2,356.29	7	2,713.91	7	3,071.39	7	3,428.00
1/4	216.44	1/4	574.40	1/4	932.23	1/4	1,289.83	1/4	1,647.80	1/4	2,005.77	1/4	2,363.75	1/4	2,721.36	1/4	3,078.84	1/4	3,435.18
1/2	223.89	1/2	581.86	1/2	939.68	1/2	1,297.28	1/2	1,655.26	1/2	2,013.23	1/2	2,371.21	1/2	2,728.81	1/2	3,086.29	1/2	3,442.36
3/4	231.35	3/4	589.32	3/4	947.12	3/4	1,304.74	3/4	1,662.72	3/4	2,020.69	3/4	2,378.66	3/4	2,736.26	3/4	3,093.74	3/4	3,449.54
8	238.81	8	596.77	8	954.56	8	1,312.20	8	1,670.17	8	2,028.15	8	2,386.12	8	2,743.70	8	3,101.18	8	3,456.72
1/4	246.27	1/4	604.23	1/4	962.01	1/4	1,319.66	1/4	1,677.63	1/4	2,035.61	1/4	2,393.58	1/4	2,751.15	1/4	3,108.63	1/4	3,463.42
1/2	253.72	1/2	611.69	1/2	969.45	1/2	1,327.11	1/2	1,685.09	1/2	2,043.06	1/2	2,401.04	1/2	2,758.60	1/2	3,116.08	1/2	3,470.12
3/4	261.18	3/4	619.15	3/4	976.89	3/4	1,334.57	3/4	1,692.55	3/4	2,050.52	3/4	2,408.50	3/4	2,766.05	3/4	3,123.53	3/4	3,476.82
9	268.64	9	626.60	9	984.34	9	1,342.03	9	1,700.00	9	2,057.98	9	2,415.95	9	2,773.49	9	3,130.97	9	3,483.52
1/4	276.10	1/4	634.06	1/4	991.78	1/4	1,349.49	1/4	1,707.46	1/4	2,065.44	1/4	2,423.41	1/4	2,780.94	1/4	3,138.42	1/4	3,489.74
1/2	283.55	1/2	641.52	1/2	999.22	1/2	1,356.95	1/2	1,714.92	1/2	2,072.89	1/2	2,430.87	1/2	2,788.39	1/2	3,145.87	1/2	3,495.96
3/4	291.01	3/4	648.98	3/4	1,006.67	3/4	1,364.40	3/4	1,722.38	3/4	2,080.35	3/4	2,438.33	3/4	2,795.84	3/4	3,153.32	3/4	3,502.18
10	298.47	10	656.43	10	1,014.11	10	1,371.86	10	1,729.84	10	2,087.81	10	2,445.78	10	2,803.28	10	3,160.76	10	3,508.40
1/4	305.93	1/4	663.89	1/4	1,021.55	1/4	1,379.32	1/4	1,737.29	1/4	2,095.27	1/4	2,453.23	1/4	2,810.73	1/4	3,168.21	1/4	3,514.14
1/2	313.38	1/2	671.35	1/2	1,028.99	1/2	1,386.78	1/2	1,744.75	1/2	2,102.73	1/2	2,460.68	1/2	2,818.18	1/2	3,175.66	1/2	3,519.88
3/4	320.84	3/4	678.81	3/4	1,036.44	3/4	1,394.23	3/4	1,752.21	3/4	2,110.18	3/4	2,468.13	3/4	2,825.63	3/4	3,183.11	3/4	3,525.62
11	328.30	11	686.26	11	1,043.88	11	1,401.69	11	1,759.67	11	2,117.64	11	2,475.58	11	2,833.07	11	3,190.55	11	3,531.36
1/4	335.76	1/4	693.72	1/4	1,051.32	1/4	1,409.15	1/4	1,767.12	1/4	2,125.10	1/4	2,483.03	1/4	2,840.52	1/4	3,198.00	1/4	3,536.62
1/2	343.21	1/2	701.18	1/2	1,058.77	1/2	1,416.61	1/2	1,774.58	1/2	2,132.56	1/2	2,490.47	1/2	2,847.97	1/2	3,205.45	1/2	3,541.88
3/4	350.67	3/4	708.64	3/4	1,066.21	3/4	1,424.07	3/4	1,782.04	3/4	2,140.01	3/4	2,497.92	3/4	2,855.42	3/4	3,212.90	3/4	3,547.14

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
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# BARGE "E2MS 303"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,552.40	0	3,773.13	0	3,992.49	0	4,211.65	0	4,429.70	0		0		0		0		0	
1/4	3,557.22	1/4	3,777.70	1/4	3,997.06	1/4	4,216.22	1/4	4,434.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,562.04	1/2	3,782.28	1/2	4,001.62	1/2	4,220.79	1/2	4,438.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,566.85	3/4	3,786.86	3/4	4,006.19	3/4	4,225.35	3/4	4,443.13	3/4		3/4		3/4		3/4		3/4	
1	3,571.67	1	3,791.44	1	4,010.75	1	4,229.92	1	4,447.61	1		1		1		1		1	
1/4	3,576.25	1/4	3,796.02	1/4	4,015.32	1/4	4,234.48	1/4	4,451.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,580.83	1/2	3,800.60	1/2	4,019.89	1/2	4,239.05	1/2	4,455.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,585.41	3/4	3,805.18	3/4	4,024.45	3/4	4,243.62	3/4	4,459.46	3/4		3/4		3/4		3/4		3/4	
2	3,589.99	2	3,809.75	2	4,029.02	2	4,248.18	2	4,463.41	2		2		2		2		2	
1/4	3,594.56	1/4	3,814.33	1/4	4,033.58	1/4	4,252.75	1/4	4,466.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,599.14	1/2	3,818.91	1/2	4,038.15	1/2	4,257.31	1/2	4,469.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,603.72	3/4	3,823.49	3/4	4,042.72	3/4	4,261.88	3/4	4,472.97	3/4		3/4		3/4		3/4		3/4	
3	3,608.30	3	3,828.07	3	4,047.28	3	4,266.44	3	4,476.15	3		3		3		3		3	
1/4	3,612.88	1/4	3,832.65	1/4	4,051.85	1/4	4,271.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,617.46	1/2	3,837.22	1/2	4,056.41	1/2	4,275.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,622.04	3/4	3,841.80	3/4	4,060.98	3/4	4,280.14	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,626.61	4	3,846.38	4	4,065.55	4	4,284.71	4		4		4		4		4		4	
1/4	3,631.19	1/4	3,850.95	1/4	4,070.11	1/4	4,289.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,635.77	1/2	3,855.51	1/2	4,074.68	1/2	4,293.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,640.35	3/4	3,860.08	3/4	4,079.24	3/4	4,298.41	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,644.93	5	3,864.65	5	4,083.81	5	4,302.97	5		5		5		5		5		5	
1/4	3,649.51	1/4	3,869.21	1/4	4,088.37	1/4	4,307.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,654.08	1/2	3,873.78	1/2	4,092.94	1/2	4,312.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,658.66	3/4	3,878.34	3/4	4,097.51	3/4	4,316.67	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,663.24	6	3,882.91	6	4,102.07	6	4,321.24	6		6		6		6		6		6	
1/4	3,667.82	1/4	3,887.48	1/4	4,106.64	1/4	4,325.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,672.40	1/2	3,892.04	1/2	4,111.20	1/2	4,330.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,676.98	3/4	3,896.61	3/4	4,115.77	3/4	4,334.80	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,681.56	7	3,901.17	7	4,120.34	7	4,339.32	7		7		7		7		7		7	
1/4	3,686.13	1/4	3,905.74	1/4	4,124.90	1/4	4,343.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,690.71	1/2	3,910.30	1/2	4,129.47	1/2	4,348.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.29	3/4	3,914.87	3/4	4,134.03	3/4	4,352.88	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,699.87	8	3,919.44	8	4,138.60	8	4,357.40	8		8		8		8		8		8	
1/4	3,704.45	1/4	3,924.00	1/4	4,143.17	1/4	4,361.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,709.03	1/2	3,928.57	1/2	4,147.73	1/2	4,366.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,713.61	3/4	3,933.13	3/4	4,152.30	3/4	4,370.96	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,718.18	9	3,937.70	9	4,156.86	9	4,375.48	9		9		9		9		9		9	
1/4	3,722.76	1/4	3,942.27	1/4	4,161.43	1/4	4,380.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,727.34	1/2	3,946.83	1/2	4,165.99	1/2	4,384.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,731.92	3/4	3,951.40	3/4	4,170.56	3/4	4,389.04	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,736.50	10	3,955.96	10	4,175.13	10	4,393.57	10		10		10		10		10		10	
1/4	3,741.08	1/4	3,960.53	1/4	4,179.69	1/4	4,398.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,745.65	1/2	3,965.10	1/2	4,184.26	1/2	4,402.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,750.23	3/4	3,969.66	3/4	4,188.82	3/4	4,407.13	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,754.81	11	3,974.23	11	4,193.39	11	4,411.65	11		11		11		11		11		11	
1/4	3,759.39	1/4	3,978.79	1/4	4,197.96	1/4	4,416.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,763.97	1/2	3,983.36	1/2	4,202.52	1/2	4,420.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,768.55	3/4	3,987.92	3/4	4,207.09	3/4	4,425.18	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/27/2013 SW  
CALCULATED : 08/28/2013 CL  
PRINTED: 08/30/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013

PRECISION MEASUREMENT  
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# BARGE "E2MS 303"

## SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-09"

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	433	0	1,021	0	1,641	0	2,206	0		0		0		0		0	
1/4	5	1/4	444	1/4	1,034	1/4	1,653	1/4	2,216	1/4		1/4		1/4		1/4		1/4	
1/2	11	1/2	456	1/2	1,047	1/2	1,666	1/2	2,227	1/2		1/2		1/2		1/2		1/2	
3/4	16	3/4	467	3/4	1,060	3/4	1,678	3/4	2,237	3/4		3/4		3/4		3/4		3/4	
1	21	1	479	1	1,073	1	1,691	1	2,247	1		1		1		1		1	
1/4	28	1/4	490	1/4	1,086	1/4	1,703	1/4	2,257	1/4		1/4		1/4		1/4		1/4	
1/2	35	1/2	502	1/2	1,099	1/2	1,716	1/2	2,267	1/2		1/2		1/2		1/2		1/2	
3/4	41	3/4	513	3/4	1,111	3/4	1,729	3/4	2,277	3/4		3/4		3/4		3/4		3/4	
2	48	2	525	2	1,124	2	1,741	2	2,287	2		2		2		2		2	
1/4	56	1/4	537	1/4	1,137	1/4	1,753	1/4	2,297	1/4		1/4		1/4		1/4		1/4	
1/2	63	1/2	549	1/2	1,150	1/2	1,766	1/2	2,306	1/2		1/2		1/2		1/2		1/2	
3/4	71	3/4	560	3/4	1,163	3/4	1,778	3/4	2,316	3/4		3/4		3/4		3/4		3/4	
3	78	3	572	3	1,176	3	1,791	3	2,326	3		3		3		3		3	
1/4	86	1/4	584	1/4	1,189	1/4	1,803	1/4	2,335	1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	596	1/2	1,202	1/2	1,815	1/2	2,344	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	608	3/4	1,215	3/4	1,827	3/4	2,353	3/4		3/4		3/4		3/4		3/4	
4	111	4	620	4	1,228	4	1,840	4	2,362	4		4		4		4		4	
1/4	120	1/4	632	1/4	1,241	1/4	1,852	1/4	2,371	1/4		1/4		1/4		1/4		1/4	
1/2	128	1/2	644	1/2	1,254	1/2	1,864	1/2	2,380	1/2		1/2		1/2		1/2		1/2	
3/4	137	3/4	656	3/4	1,267	3/4	1,876	3/4	2,389	3/4		3/4		3/4		3/4		3/4	
5	146	5	669	5	1,280	5	1,888	5	2,397	5		5		5		5		5	
1/4	155	1/4	681	1/4	1,293	1/4	1,900	1/4	2,406	1/4		1/4		1/4		1/4		1/4	
1/2	164	1/2	693	1/2	1,306	1/2	1,912	1/2	2,414	1/2		1/2		1/2		1/2		1/2	
3/4	173	3/4	705	3/4	1,319	3/4	1,924	3/4	2,422	3/4		3/4		3/4		3/4		3/4	
6	183	6	718	6	1,332	6	1,936	6	2,430	6		6		6		6		6	
1/4	192	1/4	730	1/4	1,345	1/4	1,948	1/4	2,438	1/4		1/4		1/4		1/4		1/4	
1/2	202	1/2	742	1/2	1,358	1/2	1,960	1/2	2,445	1/2		1/2		1/2		1/2		1/2	
3/4	211	3/4	755	3/4	1,371	3/4	1,971	3/4	2,453	3/4		3/4		3/4		3/4		3/4	
7	221	7	767	7	1,384	7	1,983	7	2,460	7		7		7		7		7	
1/4	231	1/4	780	1/4	1,397	1/4	1,995	1/4	2,467	1/4		1/4		1/4		1/4		1/4	
1/2	241	1/2	792	1/2	1,410	1/2	2,006	1/2	2,473	1/2		1/2		1/2		1/2		1/2	
3/4	251	3/4	805	3/4	1,423	3/4	2,018	3/4	2,480	3/4		3/4		3/4		3/4		3/4	
8	261	8	817	8	1,436	8	2,030	8	2,487	8		8		8		8		8	
1/4	271	1/4	830	1/4	1,449	1/4	2,041	1/4	2,492	1/4		1/4		1/4		1/4		1/4	
1/2	282	1/2	843	1/2	1,461	1/2	2,052	1/2	2,498	1/2		1/2		1/2		1/2		1/2	
3/4	292	3/4	855	3/4	1,474	3/4	2,064	3/4	2,503	3/4		3/4		3/4		3/4		3/4	
9	302	9	868	9	1,487	9	2,075	9	2,508	9		9		9		9		9	
1/4	313	1/4	880	1/4	1,500	1/4	2,086	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	324	1/2	893	1/2	1,513	1/2	2,098	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	334	3/4	906	3/4	1,526	3/4	2,109	3/4		3/4		3/4		3/4		3/4		3/4	
10	345	10	919	10	1,539	10	2,120	10		10		10		10		10		10	
1/4	356	1/4	931	1/4	1,551	1/4	2,131	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	367	1/2	944	1/2	1,564	1/2	2,142	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	378	3/4	957	3/4	1,577	3/4	2,153	3/4		3/4		3/4		3/4		3/4		3/4	
11	388	11	970	11	1,590	11	2,163	11		11		11		11		11		11	
1/4	400	1/4	983	1/4	1,602	1/4	2,174	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	411	1/2	995	1/2	1,615	1/2	2,185	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	422	3/4	1,008	3/4	1,628	3/4	2,195	3/4		3/4		3/4		3/4		3/4		3/4	

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 1/2" DIAMETER STANDPIPE.

STRAPPED: 08/27/2013 SW  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/213

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "E2MS 303"

# FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-06 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	100	0	257	0	412	0		0		0		0		0		0	
1/4	1	1/4	103	1/4	260	1/4	415	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	106	1/2	263	1/2	417	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	109	3/4	267	3/4	420	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	112	1	270	1	423	1		1		1		1		1		1	
1/4	4	1/4	115	1/4	273	1/4	426	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	119	1/2	277	1/2	429	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	122	3/4	280	3/4	431	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	125	2	284	2	434	2		2		2		2		2		2	
1/4	9	1/4	128	1/4	287	1/4	437	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	131	1/2	290	1/2	440	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	134	3/4	294	3/4	442	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	137	3	297	3	445	3		3		3		3		3		3	
1/4	15	1/4	140	1/4	300	1/4	447	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	144	1/2	304	1/2	450	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	147	3/4	307	3/4	452	3/4		3/4		3/4		3/4		3/4		3/4	
4	20	4	150	4	311	4	455	4		4		4		4		4		4	
1/4	22	1/4	153	1/4	314	1/4	457	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	156	1/2	317	1/2	460	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	160	3/4	320	3/4	462	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	163	5	324	5	465	5		5		5		5		5		5	
1/4	31	1/4	166	1/4	327	1/4	467	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	169	1/2	330	1/2	469	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	173	3/4	334	3/4	471	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	176	6	337	6	474	6		6		6		6		6		6	
1/4	39	1/4	179	1/4	340	1/4	476	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	183	1/2	343	1/2	478	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	186	3/4	347	3/4	480	3/4		3/4		3/4		3/4		3/4		3/4	
7	46	7	189	7	350	7	482	7		7		7		7		7		7	
1/4	49	1/4	192	1/4	353	1/4	484	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	196	1/2	356	1/2	486	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	199	3/4	360	3/4	488	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	202	8	363	8	489	8		8		8		8		8		8	
1/4	59	1/4	206	1/4	366	1/4	491	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	209	1/2	369	1/2	493	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	213	3/4	372	3/4	494	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	216	9	375	9	496	9		9		9		9		9		9	
1/4	69	1/4	219	1/4	379	1/4	497	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	223	1/2	382	1/2	499	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	226	3/4	385	3/4	500	3/4		3/4		3/4		3/4		3/4		3/4	
10	78	10	229	10	388	10	502	10		10		10		10		10		10	
1/4	80	1/4	233	1/4	391	1/4	502	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	83	1/2	236	1/2	394	1/2	502	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	86	3/4	240	3/4	397	3/4	502	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	243	11	400	11	502	11		11		11		11		11		11	
1/4	92	1/4	246	1/4	403	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	250	1/2	406	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	253	3/4	409	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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.

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# BARGE "E2MS 303"

## ULLAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 6'-00"  
 DIFF. = 4'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 235'-09"

August 28, 2013

**PRECISION MEASUREMENT  
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# BARGE "E2MS 303"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04 1/8"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,715.95	0	4,358.27	0	4,000.59	0	3,641.86	0	3,283.13	0	2,924.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,708.50	1/4	4,350.82	1/4	3,993.12	1/4	3,634.39	1/4	3,275.66	1/4	2,916.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,701.05	1/2	4,343.37	1/2	3,985.64	1/2	3,626.91	1/2	3,268.19	1/2	2,909.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,693.60	3/4	4,335.92	3/4	3,978.17	3/4	3,619.44	3/4	3,260.71	3/4	2,901.99		
1	1	1	1	1/8	5,028.41	1	4,686.15	1	4,328.46	1	3,970.70	1	3,611.97	1	3,253.24	1	2,894.51				
1/4	1/4	1/4	1/4	1/4	5,023.21	1/4	4,678.69	1/4	4,321.01	1/4	3,963.22	1/4	3,604.49	1/4	3,245.77	1/4	2,887.04				
1/2	1/2	1/2	1/2	1/2	5,018.01	1/2	4,671.24	1/2	4,313.56	1/2	3,955.75	1/2	3,597.02	1/2	3,238.29	1/2	2,879.56				
3/4	3/4	3/4	3/4	3/4	5,012.81	3/4	4,663.79	3/4	4,306.11	3/4	3,948.28	3/4	3,589.55	3/4	3,230.82	3/4	2,872.09				
2	2	2	2	2	5,007.61	2	4,656.34	2	4,298.66	2	3,940.80	2	3,582.07	2	3,223.35	2	2,864.62				
1/4	1/4	1/4	1/4	1/4	5,001.17	1/4	4,648.89	1/4	4,291.21	1/4	3,933.33	1/4	3,574.60	1/4	3,215.87	1/4	2,857.14				
1/2	1/2	1/2	1/2	1/2	4,994.72	1/2	4,641.44	1/2	4,283.75	1/2	3,925.85	1/2	3,567.13	1/2	3,208.40	1/2	2,849.67				
3/4	3/4	3/4	3/4	3/4	4,988.28	3/4	4,633.98	3/4	4,276.30	3/4	3,918.38	3/4	3,559.65	3/4	3,200.93	3/4	2,842.20				
3	3	3	3	3	4,981.83	3	4,626.53	3	4,268.85	3	3,910.91	3	3,552.18	3	3,193.45	3	2,834.72				
1/4	1/4	1/4	1/4	1/4	4,974.52	1/4	4,619.08	1/4	4,261.40	1/4	3,903.43	1/4	3,544.71	1/4	3,185.98	1/4	2,827.25				
1/2	1/2	1/2	1/2	1/2	4,967.21	1/2	4,611.63	1/2	4,253.95	1/2	3,895.96	1/2	3,537.23	1/2	3,178.50	1/2	2,819.78				
3/4	3/4	3/4	3/4	3/4	4,959.90	3/4	4,604.18	3/4	4,246.50	3/4	3,888.49	3/4	3,529.76	3/4	3,171.03	3/4	2,812.30				
4	4	4	4	4	4,952.59	4	4,596.73	4	4,239.04	4	3,881.01	4	3,522.29	4	3,163.56	4	2,804.83				
1/4	1/4	1/4	1/4	1/4	4,945.23	1/4	4,589.27	1/4	4,231.59	1/4	3,873.54	1/4	3,514.81	1/4	3,156.08	1/4	2,797.36				
1/2	1/2	1/2	1/2	1/2	4,937.86	1/2	4,581.82	1/2	4,224.14	1/2	3,866.07	1/2	3,507.34	1/2	3,148.61	1/2	2,789.88				
3/4	3/4	3/4	3/4	3/4	4,930.50	3/4	4,574.37	3/4	4,216.69	3/4	3,858.59	3/4	3,499.87	3/4	3,141.14	3/4	2,782.41				
5	5	5	5	5	4,923.13	5	4,566.92	5	4,209.24	5	3,851.12	5	3,492.39	5	3,133.66	5	2,774.94				
1/4	1/4	1/4	1/4	1/4	4,915.76	1/4	4,559.47	1/4	4,201.79	1/4	3,843.65	1/4	3,484.92	1/4	3,126.19	1/4	2,767.46				
1/2	1/2	1/2	1/2	1/2	4,908.38	1/2	4,552.02	1/2	4,194.33	1/2	3,836.17	1/2	3,477.44	1/2	3,118.72	1/2	2,759.99				
3/4	3/4	3/4	3/4	3/4	4,901.00	3/4	4,544.56	3/4	4,186.88	3/4	3,828.70	3/4	3,469.97	3/4	3,111.24	3/4	2,752.52				
6	6	6	6	6	4,893.63	6	4,537.11	6	4,179.43	6	3,821.23	6	3,462.50	6	3,103.77	6	2,745.04				
1/4	1/4	1/4	1/4	1/4	4,886.25	1/4	4,529.66	1/4	4,171.98	1/4	3,813.75	1/4	3,455.02	1/4	3,096.30	1/4	2,737.57				
1/2	1/2	1/2	1/2	1/2	4,878.87	1/2	4,522.21	1/2	4,164.53	1/2	3,806.28	1/2	3,447.55	1/2	3,088.82	1/2	2,730.09				
3/4	3/4	3/4	3/4	3/4	4,871.49	3/4	4,514.76	3/4	4,157.08	3/4	3,798.81	3/4	3,440.08	3/4	3,081.35	3/4	2,722.62				
7	7	7	7	7	4,864.11	7	4,507.31	7	4,149.62	7	3,791.33	7	3,432.60	7	3,073.88	7	2,715.15				
1/4	1/4	1/4	1/4	1/4	4,856.73	1/4	4,499.85	1/4	4,142.17	1/4	3,783.86	1/4	3,425.13	1/4	3,066.40	1/4	2,707.67				
1/2	1/2	1/2	1/2	1/2	4,849.35	1/2	4,492.40	1/2	4,134.72	1/2	3,776.38	1/2	3,417.66	1/2	3,058.93	1/2	2,700.20				
3/4	3/4	3/4	3/4	3/4	4,841.97	3/4	4,484.95	3/4	4,127.27	3/4	3,768.91	3/4	3,410.18	3/4	3,051.46	3/4	2,692.73				
8	8	8	8	8	4,834.59	8	4,477.50	8	4,119.82	8	3,761.44	8	3,402.71	8	3,043.98	8	2,685.25				
1/4	1/4	1/4	1/4	1/4	4,827.22	1/4	4,470.05	1/4	4,112.37	1/4	3,753.96	1/4	3,395.24	1/4	3,036.51	1/4	2,677.78				
1/2	1/2	1/2	1/2	1/2	4,819.84	1/2	4,462.60	1/2	4,104.91	1/2	3,746.49	1/2	3,387.76	1/2	3,029.03	1/2	2,670.31				
3/4	3/4	3/4	3/4	3/4	4,812.46	3/4	4,455.14	3/4	4,097.46	3/4	3,739.02	3/4	3,380.29	3/4	3,021.56	3/4	2,662.83				
9	9	9	9	9	4,805.08	9	4,447.69	9	4,090.01	9	3,731.54	9	3,372.82	9	3,014.09	9	2,655.36				
1/4	1/4	1/4	1/4	1/4	4,797.70	1/4	4,440.24	1/4	4,082.56	1/4	3,724.07	1/4	3,365.34	1/4	3,006.61	1/4	2,647.89				
1/2	1/2	1/2	1/2	1/2	4,790.32	1/2	4,432.79	1/2	4,075.11	1/2	3,716.60	1/2	3,357.87	1/2	2,999.14	1/2	2,640.41				
3/4	3/4	3/4	3/4	3/4	4,782.94	3/4	4,425.34	3/4	4,067.65	3/4	3,709.12	3/4	3,350.40	3/4	2,991.67	3/4	2,632.94				
10	10	10	10	10	4,775.57	10	4,417.88	10	4,060.20	10	3,701.65	10	3,342.92	10	2,984.19	10	2,625.47				
1/4	1/4	1/4	1/4	1/4	4,768.11	1/4	4,410.43	1/4	4,052.75	1/4	3,694.18	1/4	3,335.45	1/4	2,976.72	1/4	2,617.99				
1/2	1/2	1/2	1/2	1/2	4,760.66	1/2	4,402.98	1/2	4,045.30	1/2	3,686.70	1/2	3,327.97	1/2	2,969.25	1/2	2,610.52				
3/4	3/4	3/4	3/4	3/4	4,753.21	3/4	4,395.53	3/4	4,037.85	3/4	3,679.23	3/4	3,320.50	3/4	2,961.77	3/4	2,603.05				
11	11	11	11	11	4,745.76	11	4,388.08	11	4,030.40	11	3,671.76	11	3,313.03	11	2,954.30	11	2,595.57				
1/4	1/4	1/4	1/4	1/4	4,738.31	1/4	4,380.63	1/4	4,022.94	1/4	3,664.28	1/4	3,305.55	1/4	2,946.83	1/4	2,588.10				
1/2	1/2	1/2	1/2	1/2	4,730.86	1/2	4,373.17	1/2	4,015.49	1/2	3,656.81	1/2	3,298.08	1/2	2,939.35	1/2	2,580.62				
3/4	3/4	3/4	3/4	3/4	4,723.40	3/4	4,365.72	3/4	4,008.04	3/4	3,649.34	3/4	3,290.61	3/4	2,931.88	3/4	2,573.14				

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
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 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "E2MS 303"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04 1/8"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,565.67	0	2,206.84	0	1,848.00	0	1,489.17	0	1,130.33	0	774.05	0	416.85	0	95.92	0		0	
1/4	2,558.19	1/4	2,199.36	1/4	1,840.53	1/4	1,481.69	1/4	1,122.89	1/4	766.57	1/4	409.68	1/4	89.81	1/4		1/4	
1/2	2,550.72	1/2	2,191.88	1/2	1,833.05	1/2	1,474.22	1/2	1,115.45	1/2	759.10	1/2	402.51	1/2	83.71	1/2		1/2	
3/4	2,543.24	3/4	2,184.41	3/4	1,825.57	3/4	1,466.74	3/4	1,108.00	3/4	751.62	3/4	395.34	3/4	77.60	3/4		3/4	
1	2,535.77	1	2,176.93	1	1,818.10	1	1,459.27	1	1,100.56	1	744.15	1	388.17	1	71.50	1		1	
1/4	2,528.29	1/4	2,169.46	1/4	1,810.62	1/4	1,451.79	1/4	1,093.11	1/4	736.67	1/4	381.09	1/4	65.51	1/4		1/4	
1/2	2,520.81	1/2	2,161.98	1/2	1,803.15	1/2	1,444.31	1/2	1,085.67	1/2	729.20	1/2	374.01	1/2	59.51	1/2		1/2	
3/4	2,513.34	3/4	2,154.51	3/4	1,795.67	3/4	1,436.84	3/4	1,078.23	3/4	721.72	3/4	366.93	3/4	53.52	3/4		3/4	
2	2,505.86	2	2,147.03	2	1,788.20	2	1,429.36	2	1,070.78	2	714.25	2	359.85	2	47.53	2		2	
1/4	2,498.39	1/4	2,139.55	1/4	1,780.72	1/4	1,421.89	1/4	1,063.36	1/4	706.77	1/4	352.86	1/4	42.52	1/4		1/4	
1/2	2,490.91	1/2	2,132.08	1/2	1,773.24	1/2	1,414.41	1/2	1,055.93	1/2	699.30	1/2	345.86	1/2	37.52	1/2		1/2	
3/4	2,483.44	3/4	2,124.60	3/4	1,765.77	3/4	1,406.94	3/4	1,048.51	3/4	691.82	3/4	338.87	3/4	32.51	3/4		3/4	
3	2,475.96	3	2,117.13	3	1,758.29	3	1,399.46	3	1,041.08	3	684.34	3	331.88	3	27.51	3		3	
1/4	2,468.48	1/4	2,109.65	1/4	1,750.82	1/4	1,391.98	1/4	1,033.66	1/4	676.87	1/4	324.97	1/4	24.46	1/4		1/4	
1/2	2,461.01	1/2	2,102.18	1/2	1,743.34	1/2	1,384.51	1/2	1,026.25	1/2	669.39	1/2	318.07	1/2	21.41	1/2		1/2	
3/4	2,453.53	3/4	2,094.70	3/4	1,735.87	3/4	1,377.03	3/4	1,018.83	3/4	661.92	3/4	311.16	3/4	18.36	3/4		3/4	
4	2,446.06	4	2,087.22	4	1,728.39	4	1,369.56	4	1,011.41	4	654.44	4	304.26	4	16.83	4		4	
1/4	2,438.58	1/4	2,079.75	1/4	1,720.91	1/4	1,362.08	1/4	1,004.00	1/4	646.97	1/4	297.44	1/4	15.32	1/4		1/4	
1/2	2,431.11	1/2	2,072.27	1/2	1,713.44	1/2	1,354.61	1/2	996.58	1/2	639.49	1/2	290.62	1/2		1/2		1/2	
3/4	2,423.63	3/4	2,064.80	3/4	1,705.96	3/4	1,347.13	3/4	989.16	3/4	632.02	3/4	283.80	3/4		3/4		3/4	
5	2,416.15	5	2,057.32	5	1,698.49	5	1,339.65	5	981.75	5	624.54	5	276.99	5		5		5	
1/4	2,408.68	1/4	2,049.85	1/4	1,691.01	1/4	1,332.18	1/4	974.33	1/4	617.06	1/4	270.26	1/4		1/4		1/4	
1/2	2,401.20	1/2	2,042.37	1/2	1,683.54	1/2	1,324.70	1/2	966.91	1/2	609.59	1/2	263.53	1/2		1/2		1/2	
3/4	2,393.73	3/4	2,034.89	3/4	1,676.06	3/4	1,317.23	3/4	959.50	3/4	602.11	3/4	256.80	3/4		3/4		3/4	
6	2,386.25	6	2,027.42	6	1,668.58	6	1,309.75	6	952.08	6	594.64	6	250.07	6		6		6	
1/4	2,378.78	1/4	2,019.94	1/4	1,661.11	1/4	1,302.28	1/4	944.66	1/4	587.17	1/4	243.42	1/4		1/4		1/4	
1/2	2,371.30	1/2	2,012.47	1/2	1,653.63	1/2	1,294.80	1/2	937.25	1/2	579.70	1/2	236.78	1/2		1/2		1/2	
3/4	2,363.82	3/4	2,004.99	3/4	1,646.16	3/4	1,287.32	3/4	929.83	3/4	572.23	3/4	230.14	3/4		3/4		3/4	
7	2,356.35	7	1,997.52	7	1,638.68	7	1,279.85	7	922.41	7	564.76	7	223.50	7		7		7	
1/4	2,348.87	1/4	1,990.04	1/4	1,631.21	1/4	1,272.37	1/4	915.00	1/4	557.29	1/4	216.94	1/4		1/4		1/4	
1/2	2,341.40	1/2	1,982.56	1/2	1,623.73	1/2	1,264.90	1/2	907.58	1/2	549.82	1/2	210.39	1/2		1/2		1/2	
3/4	2,333.92	3/4	1,975.09	3/4	1,616.25	3/4	1,257.42	3/4	900.17	3/4	542.35	3/4	203.83	3/4		3/4		3/4	
8	2,326.45	8	1,967.61	8	1,608.78	8	1,249.95	8	892.75	8	534.88	8	197.28	8		8		8	
1/4	2,318.97	1/4	1,960.14	1/4	1,601.30	1/4	1,242.47	1/4	885.33	1/4	527.40	1/4	190.81	1/4		1/4		1/4	
1/2	2,311.50	1/2	1,952.66	1/2	1,593.83	1/2	1,234.99	1/2	877.92	1/2	519.93	1/2	184.34	1/2		1/2		1/2	
3/4	2,304.02	3/4	1,945.19	3/4	1,586.35	3/4	1,227.52	3/4	870.50	3/4	512.45	3/4	177.88	3/4		3/4		3/4	
9	2,296.54	9	1,937.71	9	1,578.88	9	1,220.04	9	863.08	9	504.98	9	171.41	9		9		9	
1/4	2,289.07	1/4	1,930.23	1/4	1,571.40	1/4	1,212.57	1/4	855.67	1/4	497.54	1/4	165.03	1/4		1/4		1/4	
1/2	2,281.59	1/2	1,922.76	1/2	1,563.93	1/2	1,205.09	1/2	848.25	1/2	490.11	1/2	158.65	1/2		1/2		1/2	
3/4	2,274.12	3/4	1,915.28	3/4	1,556.45	3/4	1,197.62	3/4	840.83	3/4	482.68	3/4	152.27	3/4		3/4		3/4	
10	2,266.64	10	1,907.81	10	1,548.97	10	1,190.14	10	833.42	10	475.25	10	145.89	10		10		10	
1/4	2,259.17	1/4	1,900.33	1/4	1,541.50	1/4	1,182.66	1/4	826.00	1/4	467.91	1/4	139.60	1/4		1/4		1/4	
1/2	2,251.69	1/2	1,892.86	1/2	1,534.02	1/2	1,175.19	1/2	818.58	1/2	460.56	1/2	133.31	1/2		1/2		1/2	
3/4	2,244.21	3/4	1,885.38	3/4	1,526.55	3/4	1,167.71	3/4	811.17	3/4	453.22	3/4	127.02	3/4		3/4		3/4	
11	2,236.74	11	1,877.90	11	1,519.07	11	1,160.24	11	803.75	11	445.87	11	120.73	11		11		11	
1/4	2,229.26	1/4	1,870.43	1/4	1,511.60	1/4	1,152.76	1/4	796.32	1/4	438.62	1/4	114.53	1/4		1/4		1/4	
1/2	2,221.79	1/2	1,862.95	1/2	1,504.12	1/2	1,145.29	1/2	788.90	1/2	431.36	1/2	108.32	1/2		1/2		1/2	
3/4	2,214.31	3/4	1,855.48	3/4	1,496.64	3/4	1,137.81	3/4	781.47	3/4	424.10	3/4	102.12	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/27/2013 SW  
CALCULATED : 08/28/2013 CL  
PRINTED: 08/30/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "E2MS 303"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.										
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	
									4,715.11		4,357.65		4,000.20		3,641.69		3,283.18		2,924.68									
1/4		1/4		1/4		1/4		1/4	4,707.66	1/4	4,350.21	1/4	3,992.73	1/4	3,634.22	1/4	3,275.72	1/4	2,917.21									
1/2		1/2		1/2		1/2		1/2	4,700.22	1/2	4,342.76	1/2	3,985.26	1/2	3,626.75	1/2	3,268.25	1/2	2,909.74									
3/4		3/4		3/4		3/4		3/4	4,692.77	3/4	4,335.31	3/4	3,977.79	3/4	3,619.28	3/4	3,260.78	3/4	2,902.27									
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>5,027.37</b>	<b>1</b>	<b>4,685.32</b>	<b>1</b>	<b>4,327.87</b>	<b>1</b>	<b>3,970.32</b>	<b>1</b>	<b>3,611.82</b>	<b>1</b>	<b>3,253.31</b>	<b>1</b>	<b>2,894.80</b>							
1/4		1/4		1/4		1/4		1/4	5,022.17	1/4	4,677.88	1/4	4,320.42	1/4	3,962.85	1/4	3,604.35	1/4	3,245.84	1/4	2,887.33							
1/2		1/2		1/2		1/2		1/2	5,016.98	1/2	4,670.43	1/2	4,312.97	1/2	3,955.39	1/2	3,596.88	1/2	3,238.37	1/2	2,879.86							
3/4		3/4		3/4		3/4		3/4	5,011.78	3/4	4,662.98	3/4	4,305.53	3/4	3,947.92	3/4	3,589.41	3/4	3,230.90	3/4	2,872.39							
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>5,006.59</b>	<b>2</b>	<b>4,655.53</b>	<b>2</b>	<b>4,298.08</b>	<b>2</b>	<b>3,940.45</b>	<b>2</b>	<b>3,581.94</b>	<b>2</b>	<b>3,223.43</b>	<b>2</b>	<b>2,864.93</b>							
1/4		1/4		1/4		1/4		1/4	5,000.14	1/4	4,648.09	1/4	4,290.63	1/4	3,932.98	1/4	3,574.47	1/4	3,215.96	1/4	2,857.46							
1/2		1/2		1/2		1/2		1/2	4,993.70	1/2	4,640.64	1/2	4,283.18	1/2	3,925.51	1/2	3,567.00	1/2	3,208.50	1/2	2,849.99							
3/4		3/4		3/4		3/4		3/4	4,987.26	3/4	4,633.19	3/4	4,275.74	3/4	3,918.04	3/4	3,559.53	3/4	3,201.03	3/4	2,842.52							
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4,980.82</b>	<b>3</b>	<b>4,625.75</b>	<b>3</b>	<b>4,268.29</b>	<b>3</b>	<b>3,910.57</b>	<b>3</b>	<b>3,552.06</b>	<b>3</b>	<b>3,193.56</b>	<b>3</b>	<b>2,835.05</b>							
1/4		1/4		1/4		1/4		1/4	4,973.51	1/4	4,618.30	1/4	4,260.84	1/4	3,903.10	1/4	3,544.60	1/4	3,186.09	1/4	2,827.58							
1/2		1/2		1/2		1/2		1/2	4,966.21	1/2	4,610.85	1/2	4,253.40	1/2	3,895.63	1/2	3,537.13	1/2	3,178.62	1/2	2,820.11							
3/4		3/4		3/4		3/4		3/4	4,958.91	3/4	4,603.41	3/4	4,245.95	3/4	3,888.17	3/4	3,529.66	3/4	3,171.15	3/4	2,812.64							
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4,951.60</b>	<b>4</b>	<b>4,595.96</b>	<b>4</b>	<b>4,238.50</b>	<b>4</b>	<b>3,880.70</b>	<b>4</b>	<b>3,522.19</b>	<b>4</b>	<b>3,163.68</b>	<b>4</b>	<b>2,805.17</b>							
1/4		1/4		1/4		1/4		1/4	4,944.24	1/4	4,588.51	1/4	4,231.06	1/4	3,873.23	1/4	3,514.72	1/4	3,156.21	1/4	2,797.71							
1/2		1/2		1/2		1/2		1/2	4,936.88	1/2	4,581.06	1/2	4,223.61	1/2	3,865.76	1/2	3,507.25	1/2	3,148.74	1/2	2,790.24							
3/4		3/4		3/4		3/4		3/4	4,929.52	3/4	4,573.62	3/4	4,216.16	3/4	3,858.29	3/4	3,499.78	3/4	3,141.28	3/4	2,782.77							
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4,922.16</b>	<b>5</b>	<b>4,566.17</b>	<b>5</b>	<b>4,208.71</b>	<b>5</b>	<b>3,850.82</b>	<b>5</b>	<b>3,492.31</b>	<b>5</b>	<b>3,133.81</b>	<b>5</b>	<b>2,775.30</b>							
1/4		1/4		1/4		1/4		1/4	4,914.79	1/4	4,558.72	1/4	4,201.27	1/4	3,843.35	1/4	3,484.84	1/4	3,126.34	1/4	2,767.83							
1/2		1/2		1/2		1/2		1/2	4,907.42	1/2	4,551.28	1/2	4,193.82	1/2	3,835.88	1/2	3,477.38	1/2	3,118.87	1/2	2,760.36							
3/4		3/4		3/4		3/4		3/4	4,900.04	3/4	4,543.83	3/4	4,186.37	3/4	3,828.41	3/4	3,469.91	3/4	3,111.40	3/4	2,752.89							
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>4,892.67</b>	<b>6</b>	<b>4,536.38</b>	<b>6</b>	<b>4,178.93</b>	<b>6</b>	<b>3,820.95</b>	<b>6</b>	<b>3,462.44</b>	<b>6</b>	<b>3,103.93</b>	<b>6</b>	<b>2,745.42</b>							
1/4		1/4		1/4		1/4		1/4	4,885.30	1/4	4,528.94	1/4	4,171.48	1/4	3,813.48	1/4	3,454.97	1/4	3,096.46	1/4	2,737.95							
1/2		1/2		1/2		1/2		1/2	4,877.92	1/2	4,521.49	1/2	4,164.03	1/2	3,806.01	1/2	3,447.50	1/2	3,088.99	1/2	2,730.49							
3/4		3/4		3/4		3/4		3/4	4,870.55	3/4	4,514.04	3/4	4,156.59	3/4	3,798.54	3/4	3,440.03	3/4	3,081.52	3/4	2,723.02							
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>4,863.17</b>	<b>7</b>	<b>4,506.59</b>	<b>7</b>	<b>4,149.14</b>	<b>7</b>	<b>3,791.07</b>	<b>7</b>	<b>3,432.56</b>	<b>7</b>	<b>3,074.06</b>	<b>7</b>	<b>2,715.55</b>							
1/4		1/4		1/4		1/4		1/4	4,855.80	1/4	4,499.15	1/4	4,141.69	1/4	3,783.60	1/4	3,425.09	1/4	3,066.59	1/4	2,708.08							
1/2		1/2		1/2		1/2		1/2	4,848.42	1/2	4,491.70	1/2	4,134.24	1/2	3,776.13	1/2	3,417.62	1/2	3,059.12	1/2	2,700.61							
3/4		3/4		3/4		3/4		3/4	4,841.05	3/4	4,484.25	3/4	4,126.80	3/4	3,768.66	3/4	3,410.16	3/4	3,051.65	3/4	2,693.14							
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>4,833.68</b>	<b>8</b>	<b>4,476.81</b>	<b>8</b>	<b>4,119.35</b>	<b>8</b>	<b>3,761.19</b>	<b>8</b>	<b>3,402.69</b>	<b>8</b>	<b>3,044.18</b>	<b>8</b>	<b>2,685.67</b>							
1/4		1/4		1/4		1/4		1/4	4,826.30	1/4	4,469.36	1/4	4,111.90	1/4	3,753.73	1/4	3,395.22	1/4	3,036.71	1/4	2,678.20							
1/2		1/2		1/2		1/2		1/2	4,818.93	1/2	4,461.91	1/2	4,104.46	1/2	3,746.26	1/2	3,387.75	1/2	3,029.24	1/2	2,670.73							
3/4		3/4		3/4		3/4		3/4	4,811.56	3/4	4,454.47	3/4	4,097.01	3/4	3,738.79	3/4	3,380.28	3/4	3,021.77	3/4	2,663.27							
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>4,804.18</b>	<b>9</b>	<b>4,447.02</b>	<b>9</b>	<b>4,089.56</b>	<b>9</b>	<b>3,731.32</b>	<b>9</b>	<b>3,372.81</b>	<b>9</b>	<b>3,014.30</b>	<b>9</b>	<b>2,655.80</b>							
1/4		1/4		1/4		1/4		1/4	4,796.81	1/4	4,439.57	1/4	4,082.12	1/4	3,723.85	1/4	3,365.34	1/4	3,006.84	1/4	2,648.33							
1/2		1/2		1/2		1/2		1/2	4,789.43	1/2	4,432.12	1/2	4,074.67	1/2	3,716.38	1/2	3,357.87	1/2	2,999.37	1/2	2,640.86							
3/4		3/4		3/4		3/4		3/4	4,782.06	3/4	4,424.68	3/4	4,067.22	3/4	3,708.91	3/4	3,350.40	3/4	2,991.90	3/4	2,633.39							
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>4,774.69</b>	<b>10</b>	<b>4,417.23</b>	<b>10</b>	<b>4,059.77</b>	<b>10</b>	<b>3,701.44</b>	<b>10</b>	<b>3,342.94</b>	<b>10</b>	<b>2,984.43</b>	<b>10</b>	<b>2,625.92</b>							
1/4		1/4		1/4		1/4		1/4	4,767.24	1/4	4,409.78	1/4	4,052.33	1/4	3,693.97	1/4	3,335.47	1/4	2,976.96	1/4	2,618.45							
1/2		1/2		1/2		1/2		1/2	4,759.79	1/2	4,402.34	1/2	4,044.88	1/2	3,686.50	1/2	3,328.00	1/2	2,969.49	1/2	2,610.98							
3/4		3/4		3/4		3/4		3/4	4,752.35	3/4	4,394.89	3/4	4,037.43	3/4	3,679.04	3/4	3,320.53	3/4	2,962.02	3/4	2,603.51							
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>4,744.90</b>	<b>11</b>	<b>4,387.44</b>	<b>11</b>	<b>4,029.99</b>	<b>11</b>	<b>3,671.57</b>	<b>11</b>	<b>3,313.06</b>	<b>11</b>	<b>2,954.55</b>	<b>11</b>	<b>2,596.05</b>							
1/4		1/4		1/4		1/4		1/4	4,737.45	1/4	4,380.00	1/4	4,022.54	1/4	3,664.10	1/4	3,305.59	1/4	2,947.08	1/4	2,588.57							
1/2		1/2		1/2		1/2		1/2	4,730.00	1/2	4,372.55	1/2	4,015.09	1/2	3,656.63	1/2	3,298.12	1/2	2,939.62	1/2	2,581.10							
3/4		3/4		3/4		3/4		3/4	4,722.56	3/4	4,365.10	3/4	4,007.65	3/4	3,649.16	3/4	3,290.65	3/4	2,932.15	3/4	2,573.63							



# BARGE "E2MS 303"

1 STBD  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04"

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	2,566.16	0	2,207.55	0	1,848.94	0	1,490.32	0	1,131.71	0	773.60	0	416.57	0	95.85	0		0	
1/4	2,558.69	1/4	2,200.08	1/4	1,841.46	1/4	1,482.85	1/4	1,124.24	1/4	766.13	1/4	409.41	1/4	89.75	1/4		1/4	
1/2	2,551.22	1/2	2,192.61	1/2	1,833.99	1/2	1,475.38	1/2	1,116.77	1/2	758.66	1/2	402.24	1/2	83.65	1/2		1/2	
3/4	2,543.75	3/4	2,185.14	3/4	1,826.52	3/4	1,467.91	3/4	1,109.30	3/4	751.19	3/4	395.08	3/4	77.55	3/4		3/4	
1	2,536.28	1	2,177.66	1	1,819.05	1	1,460.44	1	1,101.83	1	743.72	1	387.91	1	71.45	1		1	
1/4	2,528.81	1/4	2,170.19	1/4	1,811.58	1/4	1,452.97	1/4	1,094.36	1/4	736.25	1/4	380.84	1/4	65.46	1/4		1/4	
1/2	2,521.33	1/2	2,162.72	1/2	1,804.11	1/2	1,445.50	1/2	1,086.90	1/2	728.78	1/2	373.78	1/2	59.47	1/2		1/2	
3/4	2,513.86	3/4	2,155.25	3/4	1,796.64	3/4	1,438.03	3/4	1,079.43	3/4	721.31	3/4	366.68	3/4	53.49	3/4		3/4	
2	2,506.39	2	2,147.78	2	1,789.17	2	1,430.55	2	1,071.97	2	713.83	2	359.61	2	47.50	2		2	
1/4	2,498.92	1/4	2,140.31	1/4	1,781.70	1/4	1,423.08	1/4	1,064.50	1/4	706.36	1/4	352.62	1/4	42.50	1/4		1/4	
1/2	2,491.45	1/2	2,132.84	1/2	1,774.22	1/2	1,415.61	1/2	1,057.04	1/2	698.89	1/2	345.63	1/2	37.50	1/2		1/2	
3/4	2,483.98	3/4	2,125.37	3/4	1,766.75	3/4	1,408.14	3/4	1,049.57	3/4	691.42	3/4	338.64	3/4	32.50	3/4		3/4	
3	2,476.51	3	2,117.90	3	1,759.28	3	1,400.67	3	1,042.10	3	683.95	3	331.65	3	27.49	3		3	
1/4	2,469.04	1/4	2,110.42	1/4	1,751.81	1/4	1,393.20	1/4	1,034.65	1/4	676.48	1/4	324.75	1/4	24.45	1/4		1/4	
1/2	2,461.57	1/2	2,102.95	1/2	1,744.34	1/2	1,385.73	1/2	1,027.19	1/2	669.01	1/2	317.85	1/2	21.40	1/2		1/2	
3/4	2,454.09	3/4	2,095.48	3/4	1,736.87	3/4	1,378.26	3/4	1,019.73	3/4	661.54	3/4	310.95	3/4	18.35	3/4		3/4	
4	2,446.62	4	2,088.01	4	1,729.40	4	1,370.79	4	1,012.28	4	654.07	4	304.05	4	15.31	4		4	
1/4	2,439.15	1/4	2,080.54	1/4	1,721.93	1/4	1,363.31	1/4	1,004.82	1/4	646.59	1/4	297.24	1/4		1/4		1/4	
1/2	2,431.68	1/2	2,073.07	1/2	1,714.46	1/2	1,355.84	1/2	997.36	1/2	639.12	1/2	290.42	1/2		1/2		1/2	
3/4	2,424.21	3/4	2,065.60	3/4	1,706.98	3/4	1,348.37	3/4	989.91	3/4	631.65	3/4	283.61	3/4		3/4		3/4	
5	2,416.74	5	2,058.13	5	1,699.51	5	1,340.90	5	982.45	5	624.18	5	276.80	5		5		5	
1/4	2,409.27	1/4	2,050.66	1/4	1,692.04	1/4	1,333.43	1/4	974.99	1/4	616.71	1/4	270.07	1/4		1/4		1/4	
1/2	2,401.80	1/2	2,043.18	1/2	1,684.57	1/2	1,325.96	1/2	967.54	1/2	609.24	1/2	263.35	1/2		1/2		1/2	
3/4	2,394.33	3/4	2,035.71	3/4	1,677.10	3/4	1,318.49	3/4	960.08	3/4	601.77	3/4	256.62	3/4		3/4		3/4	
6	2,386.85	6	2,028.24	6	1,669.63	6	1,311.02	6	952.62	6	594.30	6	249.89	6		6		6	
1/4	2,379.38	1/4	2,020.77	1/4	1,662.16	1/4	1,303.55	1/4	945.17	1/4	586.83	1/4	243.26	1/4		1/4		1/4	
1/2	2,371.91	1/2	2,013.30	1/2	1,654.69	1/2	1,296.07	1/2	937.71	1/2	579.35	1/2	236.62	1/2		1/2		1/2	
3/4	2,364.44	3/4	2,005.83	3/4	1,647.22	3/4	1,288.60	3/4	930.25	3/4	571.88	3/4	229.98	3/4		3/4		3/4	
7	2,356.97	7	1,998.36	7	1,639.74	7	1,281.13	7	922.80	7	564.41	7	223.34	7		7		7	
1/4	2,349.50	1/4	1,990.89	1/4	1,632.27	1/4	1,273.66	1/4	915.34	1/4	556.94	1/4	216.79	1/4		1/4		1/4	
1/2	2,342.03	1/2	1,983.42	1/2	1,624.80	1/2	1,266.19	1/2	907.88	1/2	549.47	1/2	210.24	1/2		1/2		1/2	
3/4	2,334.56	3/4	1,975.94	3/4	1,617.33	3/4	1,258.72	3/4	900.43	3/4	542.00	3/4	203.69	3/4		3/4		3/4	
8	2,327.09	8	1,968.47	8	1,609.86	8	1,251.25	8	892.97	8	534.53	8	197.14	8		8		8	
1/4	2,319.61	1/4	1,961.00	1/4	1,602.39	1/4	1,243.78	1/4	885.51	1/4	527.06	1/4	190.68	1/4		1/4		1/4	
1/2	2,312.14	1/2	1,953.53	1/2	1,594.92	1/2	1,236.31	1/2	878.06	1/2	519.59	1/2	184.22	1/2		1/2		1/2	
3/4	2,304.67	3/4	1,946.06	3/4	1,587.45	3/4	1,228.83	3/4	870.60	3/4	512.11	3/4	177.75	3/4		3/4		3/4	
9	2,297.20	9	1,938.59	9	1,579.98	9	1,221.36	9	863.14	9	504.64	9	171.29	9		9		9	
1/4	2,289.73	1/4	1,931.12	1/4	1,572.50	1/4	1,213.89	1/4	855.68	1/4	497.22	1/4	164.92	1/4		1/4		1/4	
1/2	2,282.26	1/2	1,923.65	1/2	1,565.03	1/2	1,206.42	1/2	848.23	1/2	489.79	1/2	158.54	1/2		1/2		1/2	
3/4	2,274.79	3/4	1,916.18	3/4	1,557.56	3/4	1,198.95	3/4	840.77	3/4	482.36	3/4	152.17	3/4		3/4		3/4	
10	2,267.32	10	1,908.70	10	1,550.09	10	1,191.48	10	833.31	10	474.93	10	145.79	10		10		10	
1/4	2,259.85	1/4	1,901.23	1/4	1,542.62	1/4	1,184.01	1/4	825.86	1/4	467.60	1/4	139.51	1/4		1/4		1/4	
1/2	2,252.38	1/2	1,893.76	1/2	1,535.15	1/2	1,176.54	1/2	818.40	1/2	460.26	1/2	133.22	1/2		1/2		1/2	
3/4	2,244.90	3/4	1,886.29	3/4	1,527.68	3/4	1,169.07	3/4	810.94	3/4	452.92	3/4	126.93	3/4		3/4		3/4	
11	2,237.43	11	1,878.82	11	1,520.21	11	1,161.59	11	803.49	11	445.58	11	120.64	11		11		11	
1/4	2,229.96	1/4	1,871.35	1/4	1,512.74	1/4	1,154.12	1/4	796.02	1/4	438.33	1/4	114.45	1/4		1/4		1/4	
1/2	2,222.49	1/2	1,863.88	1/2	1,505.27	1/2	1,146.65	1/2	788.55	1/2	431.07	1/2	108.25	1/2		1/2		1/2	
3/4	2,215.02	3/4	1,856.41	3/4	1,497.79	3/4	1,139.18	3/4	781.07	3/4	423.82	3/4	102.05	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/27/2013 SW  
CALCULATED: 08/28/2013 CL  
PRINTED: 08/30/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013

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



# BARGE "E2MS 303"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0		0	4,772.65	0	4,413.95	0	4,055.24	0	3,695.50	0	3,335.75	0	2,976.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,765.17	1/4	4,406.48	1/4	4,047.74	1/4	3,688.00	1/4	3,328.26	1/4	2,968.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,757.70	1/2	4,399.01	1/2	4,040.25	1/2	3,680.51	1/2	3,320.77	1/2	2,961.02		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,093.69	3/4	4,750.23	3/4	4,391.53	3/4	4,032.75	3/4	3,673.01	3/4	3,313.27	3/4	2,953.53
1	1	1	1	1	1	1	1	1	5,088.47	1	4,742.76	1	4,384.06	1	4,025.26	1	3,665.52	1	3,305.78	1	2,946.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,083.25	1/4	4,735.28	1/4	4,376.59	1/4	4,017.76	1/4	3,658.02	1/4	3,298.28	1/4	2,938.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,078.03	1/2	4,727.81	1/2	4,369.12	1/2	4,010.27	1/2	3,650.53	1/2	3,290.79	1/2	2,931.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,072.81	3/4	4,720.34	3/4	4,361.64	3/4	4,002.77	3/4	3,643.03	3/4	3,283.29	3/4	2,923.55
2	2	2	2	2	2	2	2	2	5,066.34	2	4,712.86	2	4,354.17	2	3,995.28	2	3,635.54	2	3,275.80	2	2,916.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,059.87	1/4	4,705.39	1/4	4,346.70	1/4	3,987.78	1/4	3,628.04	1/4	3,268.30	1/4	2,908.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,053.40	1/2	4,697.92	1/2	4,339.22	1/2	3,980.29	1/2	3,620.55	1/2	3,260.81	1/2	2,901.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,046.93	3/4	4,690.45	3/4	4,331.75	3/4	3,972.80	3/4	3,613.05	3/4	3,253.31	3/4	2,893.57
3	3	3	3	3	3	3	3	3	5,039.59	3	4,682.97	3	4,324.28	3	3,965.30	3	3,605.56	3	3,245.82	3	2,886.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,032.26	1/4	4,675.50	1/4	4,316.81	1/4	3,957.81	1/4	3,598.07	1/4	3,238.32	1/4	2,878.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,024.92	1/2	4,668.03	1/2	4,309.33	1/2	3,950.31	1/2	3,590.57	1/2	3,230.83	1/2	2,871.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,017.59	3/4	4,660.55	3/4	4,301.86	3/4	3,942.82	3/4	3,583.08	3/4	3,223.34	3/4	2,863.59
4	4	4	4	4	4	4	4	4	5,010.20	4	4,653.08	4	4,294.39	4	3,935.32	4	3,575.58	4	3,215.84	4	2,856.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,002.80	1/4	4,645.61	1/4	4,286.91	1/4	3,927.83	1/4	3,568.09	1/4	3,208.35	1/4	2,848.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,995.41	1/2	4,638.14	1/2	4,279.44	1/2	3,920.33	1/2	3,560.59	1/2	3,200.85	1/2	2,841.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,988.02	3/4	4,630.66	3/4	4,271.97	3/4	3,912.84	3/4	3,553.10	3/4	3,193.36	3/4	2,833.62
5	5	5	5	5	5	5	5	5	4,980.62	5	4,623.19	5	4,264.50	5	3,905.34	5	3,545.60	5	3,185.86	5	2,826.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,973.21	1/4	4,615.72	1/4	4,257.02	1/4	3,897.85	1/4	3,538.11	1/4	3,178.37	1/4	2,818.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,965.81	1/2	4,608.25	1/2	4,249.55	1/2	3,890.36	1/2	3,530.61	1/2	3,170.87	1/2	2,811.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,958.41	3/4	4,600.77	3/4	4,242.08	3/4	3,882.86	3/4	3,523.12	3/4	3,163.38	3/4	2,803.64
6	6	6	6	6	6	6	6	6	4,951.00	6	4,593.30	6	4,234.61	6	3,875.37	6	3,515.63	6	3,155.88	6	2,796.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,943.60	1/4	4,585.83	1/4	4,227.13	1/4	3,867.87	1/4	3,508.13	1/4	3,148.39	1/4	2,788.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,936.19	1/2	4,578.35	1/2	4,219.66	1/2	3,860.38	1/2	3,500.64	1/2	3,140.90	1/2	2,781.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,928.78	3/4	4,570.88	3/4	4,212.19	3/4	3,852.88	3/4	3,493.14	3/4	3,133.40	3/4	2,773.66
7	7	7	7	7	7	7	7	7	4,921.38	7	4,563.41	7	4,204.71	7	3,845.39	7	3,485.65	7	3,125.91	7	2,766.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,913.97	1/4	4,555.94	1/4	4,197.24	1/4	3,837.89	1/4	3,478.15	1/4	3,118.41	1/4	2,758.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,906.56	1/2	4,548.46	1/2	4,189.77	1/2	3,830.40	1/2	3,470.66	1/2	3,110.92	1/2	2,751.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,899.16	3/4	4,540.99	3/4	4,182.30	3/4	3,822.90	3/4	3,463.16	3/4	3,103.42	3/4	2,743.68
8	8	8	8	8	8	8	8	8	4,891.75	8	4,533.52	8	4,174.82	8	3,815.41	8	3,455.67	8	3,095.93	8	2,736.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,884.34	1/4	4,526.04	1/4	4,167.35	1/4	3,807.91	1/4	3,448.17	1/4	3,088.43	1/4	2,728.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,876.94	1/2	4,518.57	1/2	4,159.88	1/2	3,800.42	1/2	3,440.68	1/2	3,080.94	1/2	2,721.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,869.53	3/4	4,511.10	3/4	4,152.40	3/4	3,792.93	3/4	3,433.18	3/4	3,073.44	3/4	2,713.70
9	9	9	9	9	9	9	9	9	4,862.12	9	4,503.63	9	4,144.93	9	3,785.43	9	3,425.69	9	3,065.95	9	2,706.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,854.72	1/4	4,496.15	1/4	4,137.46	1/4	3,777.94	1/4	3,418.20	1/4	3,058.45	1/4	2,698.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,847.31	1/2	4,488.68	1/2	4,129.99	1/2	3,770.44	1/2	3,410.70	1/2	3,050.96	1/2	2,691.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,839.90	3/4	4,481.21	3/4	4,122.51	3/4	3,762.95	3/4	3,403.21	3/4	3,043.47	3/4	2,683.72
10	10	10	10	10	10	10	10	10	4,832.43	10	4,473.73	10	4,115.04	10	3,755.45	10	3,395.71	10	3,035.97	10	2,676.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,824.96	1/4	4,466.26	1/4	4,107.57	1/4	3,747.96	1/4	3,388.22	1/4	3,028.48	1/4	2,668.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,817.48	1/2	4,458.79	1/2	4,100.09	1/2	3,740.46	1/2	3,380.72	1/2	3,020.98	1/2	2,661.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,810.01	3/4	4,451.32	3/4	4,092.62	3/4	3,732.97	3/4	3,373.23	3/4	3,013.49	3/4	2,653.75
11	11	11	11	11	11	11	11	11	4,802.54	11	4,443.84	11	4,085.15	11	3,725.47	11	3,365.73	11	3,005.99	11	2,646.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,795.07	1/4	4,436.37	1/4	4,077.68	1/4	3,717.98	1/4	3,358.24	1/4	2,998.50	1/4	2,638.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,787.59	1/2	4,428.90	1/2	4,070.20	1/2	3,710.48	1/2	3,350.74	1/2	2,991.00	1/2	2,631.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,780.12	3/4	4,421.43	3/4	4,062.73	3/4	3,702.99	3/4	3,343.25	3/4	2,983.51	3/4	2,623.77

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "E2MS 303"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,616.27	0	2,256.53	0	1,896.79	0	1,537.05	0	1,177.59	0	832.07	0	472.33	0	112.60	0		0	
1/4	2,608.78	1/4	2,249.04	1/4	1,889.30	1/4	1,529.56	1/4	1,170.38	1/4	824.57	1/4	464.83	1/4	105.12	1/4		1/4	
1/2	2,601.28	1/2	2,241.54	1/2	1,881.80	1/2	1,522.06	1/2	1,163.17	1/2	817.08	1/2	457.34	1/2	97.63	1/2		1/2	
3/4	2,593.79	3/4	2,234.05	3/4	1,874.31	3/4	1,514.57	3/4	1,155.96	3/4	809.58	3/4	449.84	3/4	90.15	3/4		3/4	
1	2,586.29	1	2,226.55	1	1,866.81	1	1,507.07	1	1,148.76	1	802.09	1	442.35	1	82.69	1		1	
1/4	2,578.80	1/4	2,219.06	1/4	1,859.32	1/4	1,499.58	1/4	1,141.57	1/4	794.59	1/4	434.85	1/4	75.23	1/4		1/4	
1/2	2,571.31	1/2	2,211.56	1/2	1,851.82	1/2	1,492.08	1/2	1,134.37	1/2	787.10	1/2	427.36	1/2	67.78	1/2		1/2	
3/4	2,563.81	3/4	2,204.07	3/4	1,844.33	3/4	1,484.59	3/4	1,127.18	3/4	779.61	3/4	419.86	3/4	60.32	3/4		3/4	
2	2,556.32	2	2,196.58	2	1,836.83	2	1,477.09	2	1,119.98	2	772.11	2	412.37	2	53.76	2		2	
1/4	2,548.82	1/4	2,189.08	1/4	1,829.34	1/4	1,469.60	1/4	1,112.79	1/4	764.62	1/4	404.88	1/4	47.20	1/4		1/4	
1/2	2,541.33	1/2	2,181.59	1/2	1,821.85	1/2	1,462.10	1/2	1,105.59	1/2	757.12	1/2	397.38	1/2	40.65	1/2		1/2	
3/4	2,533.83	3/4	2,174.09	3/4	1,814.35	3/4	1,454.61	3/4	1,098.40	3/4	749.63	3/4	389.89	3/4	34.09	3/4		3/4	
3	2,526.34	3	2,166.60	3	1,806.86	3	1,447.12	3	1,091.21	3	742.13	3	382.39	3	29.41	3		3	
1/4	2,518.84	1/4	2,159.10	1/4	1,799.36	1/4	1,439.62	1/4	1,084.02	1/4	734.64	1/4	374.90	1/4	24.72	1/4		1/4	
1/2	2,511.35	1/2	2,151.61	1/2	1,791.87	1/2	1,432.13	1/2	1,076.83	1/2	727.14	1/2	367.40	1/2	20.04	1/2		1/2	
3/4	2,503.85	3/4	2,144.11	3/4	1,784.37	3/4	1,424.63	3/4	1,069.65	3/4	719.65	3/4	359.91	3/4	15.36	3/4		3/4	
4	2,496.36	4	2,136.62	4	1,776.88	4	1,417.14	4	1,062.46	4	712.15	4	352.41	4		4		4	
1/4	2,488.86	1/4	2,129.12	1/4	1,769.38	1/4	1,409.64	1/4	1,055.27	1/4	704.66	1/4	344.92	1/4		1/4		1/4	
1/2	2,481.37	1/2	2,121.63	1/2	1,761.89	1/2	1,402.15	1/2	1,048.09	1/2	697.16	1/2	337.42	1/2		1/2		1/2	
3/4	2,473.88	3/4	2,114.13	3/4	1,754.39	3/4	1,394.65	3/4	1,040.90	3/4	689.67	3/4	329.93	3/4		3/4		3/4	
5	2,466.38	5	2,106.64	5	1,746.90	5	1,387.16	5	1,033.71	5	682.18	5	322.43	5		5		5	
1/4	2,458.89	1/4	2,099.15	1/4	1,739.40	1/4	1,379.66	1/4	1,026.52	1/4	674.68	1/4	314.94	1/4		1/4		1/4	
1/2	2,451.39	1/2	2,091.65	1/2	1,731.91	1/2	1,372.17	1/2	1,019.34	1/2	667.19	1/2	307.45	1/2		1/2		1/2	
3/4	2,443.90	3/4	2,084.16	3/4	1,724.42	3/4	1,364.67	3/4	1,012.15	3/4	659.69	3/4	299.95	3/4		3/4		3/4	
6	2,436.40	6	2,076.66	6	1,716.92	6	1,357.18	6	1,004.96	6	652.20	6	292.46	6		6		6	
1/4	2,428.91	1/4	2,069.17	1/4	1,709.43	1/4	1,349.69	1/4	997.78	1/4	644.70	1/4	284.96	1/4		1/4		1/4	
1/2	2,421.41	1/2	2,061.67	1/2	1,701.93	1/2	1,342.19	1/2	990.59	1/2	637.21	1/2	277.47	1/2		1/2		1/2	
3/4	2,413.92	3/4	2,054.18	3/4	1,694.44	3/4	1,334.70	3/4	983.40	3/4	629.71	3/4	269.97	3/4		3/4		3/4	
7	2,406.42	7	2,046.68	7	1,686.94	7	1,327.20	7	976.21	7	622.22	7	262.48	7		7		7	
1/4	2,398.93	1/4	2,039.19	1/4	1,679.45	1/4	1,319.71	1/4	969.03	1/4	614.72	1/4	254.98	1/4		1/4		1/4	
1/2	2,391.44	1/2	2,031.69	1/2	1,671.95	1/2	1,312.21	1/2	961.84	1/2	607.23	1/2	247.49	1/2		1/2		1/2	
3/4	2,383.94	3/4	2,024.20	3/4	1,664.46	3/4	1,304.72	3/4	954.65	3/4	599.73	3/4	239.99	3/4		3/4		3/4	
8	2,376.45	8	2,016.71	8	1,656.96	8	1,297.22	8	947.47	8	592.24	8	232.50	8		8		8	
1/4	2,368.95	1/4	2,009.21	1/4	1,649.47	1/4	1,289.73	1/4	940.28	1/4	584.75	1/4	225.00	1/4		1/4		1/4	
1/2	2,361.46	1/2	2,001.72	1/2	1,641.98	1/2	1,282.23	1/2	933.09	1/2	577.25	1/2	217.51	1/2		1/2		1/2	
3/4	2,353.96	3/4	1,994.22	3/4	1,634.48	3/4	1,274.74	3/4	925.91	3/4	569.76	3/4	210.02	3/4		3/4		3/4	
9	2,346.47	9	1,986.73	9	1,626.99	9	1,267.25	9	918.72	9	562.26	9	202.52	9		9		9	
1/4	2,338.97	1/4	1,979.23	1/4	1,619.49	1/4	1,259.75	1/4	911.53	1/4	554.77	1/4	195.03	1/4		1/4		1/4	
1/2	2,331.48	1/2	1,971.74	1/2	1,612.00	1/2	1,252.26	1/2	904.34	1/2	547.27	1/2	187.53	1/2		1/2		1/2	
3/4	2,323.98	3/4	1,964.24	3/4	1,604.50	3/4	1,244.76	3/4	897.16	3/4	539.78	3/4	180.04	3/4		3/4		3/4	
10	2,316.49	10	1,956.75	10	1,597.01	10	1,237.27	10	889.97	10	532.28	10	172.54	10		10		10	
1/4	2,308.99	1/4	1,949.25	1/4	1,589.51	1/4	1,229.77	1/4	882.78	1/4	524.79	1/4	165.05	1/4		1/4		1/4	
1/2	2,301.50	1/2	1,941.76	1/2	1,582.02	1/2	1,222.28	1/2	875.60	1/2	517.29	1/2	157.55	1/2		1/2		1/2	
3/4	2,294.01	3/4	1,934.26	3/4	1,574.52	3/4	1,214.78	3/4	868.41	3/4	509.80	3/4	150.06	3/4		3/4		3/4	
11	2,286.51	11	1,926.77	11	1,567.03	11	1,207.29	11	861.20	11	502.31	11	142.57	11		11		11	
1/4	2,279.02	1/4	1,919.28	1/4	1,559.53	1/4	1,199.79	1/4	853.99	1/4	494.81	1/4	135.07	1/4		1/4		1/4	
1/2	2,271.52	1/2	1,911.78	1/2	1,552.04	1/2	1,192.30	1/2	846.77	1/2	487.32	1/2	127.58	1/2		1/2		1/2	
3/4	2,264.03	3/4	1,904.29	3/4	1,544.55	3/4	1,184.80	3/4	839.56	3/4	479.82	3/4	120.09	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/27/2013 SW  
CALCULATED : 08/28/2013 CL  
PRINTED: 08/30/2013 SW

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013





# BARGE "E2MS 303"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,789.52	0	4,430.66	0	4,071.78	0	3,711.88	0	3,351.98	0	2,992.08
1/4		1/4		1/4		1/4		1/4	4,782.04	1/4	4,423.18	1/4	4,064.28	1/4	3,704.38	1/4	3,344.49	1/4	2,984.59
1/2		1/2		1/2		1/2		1/2	4,774.57	1/2	4,415.71	1/2	4,056.79	1/2	3,696.89	1/2	3,336.99	1/2	2,977.09
3/4		3/4		3/4		3/4		3/4	5,110.49	3/4	4,767.09	3/4	4,408.23	3/4	4,049.29	3/4	3,689.39	3/4	3,329.49
1		1		1		1		1	5,105.27	1	4,759.61	1	4,400.76	1	4,041.79	1	3,681.89	1	3,321.99
1/4		1/4		1/4		1/4		1/4	5,100.06	1/4	4,752.14	1/4	4,393.28	1/4	4,034.29	1/4	3,674.39	1/4	3,314.49
1/2		1/2		1/2		1/2		1/2	5,094.84	1/2	4,744.66	1/2	4,385.80	1/2	4,026.79	1/2	3,666.90	1/2	3,307.00
3/4		3/4		3/4		3/4		3/4	5,089.62	3/4	4,737.19	3/4	4,378.33	3/4	4,019.30	3/4	3,659.40	3/4	3,299.50
2		2		2		2		2	5,083.16	2	4,729.71	2	4,370.85	2	4,011.80	2	3,651.90	2	3,292.00
1/4		1/4		1/4		1/4		1/4	5,076.69	1/4	4,722.23	1/4	4,363.38	1/4	4,004.30	1/4	3,644.40	1/4	3,284.50
1/2		1/2		1/2		1/2		1/2	5,070.22	1/2	4,714.76	1/2	4,355.90	1/2	3,996.80	1/2	3,636.90	1/2	3,277.00
3/4		3/4		3/4		3/4		3/4	5,063.76	3/4	4,707.28	3/4	4,348.42	3/4	3,989.30	3/4	3,629.41	3/4	3,269.51
3		3		3		3		3	5,056.42	3	4,699.80	3	4,340.95	3	3,981.81	3	3,621.91	3	3,262.01
1/4		1/4		1/4		1/4		1/4	5,049.09	1/4	4,692.33	1/4	4,333.47	1/4	3,974.31	1/4	3,614.41	1/4	3,254.51
1/2		1/2		1/2		1/2		1/2	5,041.76	1/2	4,684.85	1/2	4,325.99	1/2	3,966.81	1/2	3,606.91	1/2	3,247.01
3/4		3/4		3/4		3/4		3/4	5,034.42	3/4	4,677.38	3/4	4,318.52	3/4	3,959.31	3/4	3,599.41	3/4	3,239.51
4		4		4		4		4	5,027.03	4	4,669.90	4	4,311.04	4	3,951.82	4	3,591.92	4	3,232.02
1/4		1/4		1/4		1/4		1/4	5,019.64	1/4	4,662.42	1/4	4,303.57	1/4	3,944.32	1/4	3,584.42	1/4	3,224.52
1/2		1/2		1/2		1/2		1/2	5,012.25	1/2	4,654.95	1/2	4,296.09	1/2	3,936.82	1/2	3,576.92	1/2	3,217.02
3/4		3/4		3/4		3/4		3/4	5,004.86	3/4	4,647.47	3/4	4,288.61	3/4	3,929.32	3/4	3,569.42	3/4	3,209.52
5		5		5		5		5	4,997.46	5	4,639.99	5	4,281.14	5	3,921.82	5	3,561.92	5	3,202.03
1/4		1/4		1/4		1/4		1/4	4,990.06	1/4	4,632.52	1/4	4,273.66	1/4	3,914.33	1/4	3,554.43	1/4	3,194.53
1/2		1/2		1/2		1/2		1/2	4,982.66	1/2	4,625.04	1/2	4,266.18	1/2	3,906.83	1/2	3,546.93	1/2	3,187.03
3/4		3/4		3/4		3/4		3/4	4,975.25	3/4	4,617.57	3/4	4,258.71	3/4	3,899.33	3/4	3,539.43	3/4	3,179.53
6		6		6		6		6	4,967.85	6	4,610.09	6	4,251.23	6	3,891.83	6	3,531.93	6	3,172.03
1/4		1/4		1/4		1/4		1/4	4,960.44	1/4	4,602.61	1/4	4,243.76	1/4	3,884.33	1/4	3,524.44	1/4	3,164.54
1/2		1/2		1/2		1/2		1/2	4,953.04	1/2	4,595.14	1/2	4,236.28	1/2	3,876.84	1/2	3,516.94	1/2	3,157.04
3/4		3/4		3/4		3/4		3/4	4,945.64	3/4	4,587.66	3/4	4,228.80	3/4	3,869.34	3/4	3,509.44	3/4	3,149.54
7		7		7		7		7	4,938.23	7	4,580.18	7	4,221.33	7	3,861.84	7	3,501.94	7	3,142.04
1/4		1/4		1/4		1/4		1/4	4,930.83	1/4	4,572.71	1/4	4,213.85	1/4	3,854.34	1/4	3,494.44	1/4	3,134.54
1/2		1/2		1/2		1/2		1/2	4,923.43	1/2	4,565.23	1/2	4,206.37	1/2	3,846.84	1/2	3,486.95	1/2	3,127.05
3/4		3/4		3/4		3/4		3/4	4,916.03	3/4	4,557.76	3/4	4,198.90	3/4	3,839.35	3/4	3,479.45	3/4	3,119.55
8		8		8		8		8	4,908.62	8	4,550.28	8	4,191.42	8	3,831.85	8	3,471.95	8	3,112.05
1/4		1/4		1/4		1/4		1/4	4,901.22	1/4	4,542.80	1/4	4,183.95	1/4	3,824.35	1/4	3,464.45	1/4	3,104.55
1/2		1/2		1/2		1/2		1/2	4,893.82	1/2	4,535.33	1/2	4,176.47	1/2	3,816.85	1/2	3,456.95	1/2	3,097.05
3/4		3/4		3/4		3/4		3/4	4,886.41	3/4	4,527.85	3/4	4,168.99	3/4	3,809.36	3/4	3,449.46	3/4	3,089.56
9		9		9		9		9	4,879.01	9	4,520.38	9	4,161.52	9	3,801.86	9	3,441.96	9	3,082.06
1/4		1/4		1/4		1/4		1/4	4,871.61	1/4	4,512.90	1/4	4,154.04	1/4	3,794.36	1/4	3,434.46	1/4	3,074.56
1/2		1/2		1/2		1/2		1/2	4,864.21	1/2	4,505.42	1/2	4,146.57	1/2	3,786.86	1/2	3,426.96	1/2	3,067.06
3/4		3/4		3/4		3/4		3/4	4,856.80	3/4	4,497.95	3/4	4,139.09	3/4	3,779.36	3/4	3,419.46	3/4	3,059.57
10		10		10		10		10	4,849.33	10	4,490.47	10	4,131.61	10	3,771.87	10	3,411.97	10	3,052.07
1/4		1/4		1/4		1/4		1/4	4,841.85	1/4	4,482.99	1/4	4,124.14	1/4	3,764.37	1/4	3,404.47	1/4	3,044.57
1/2		1/2		1/2		1/2		1/2	4,834.38	1/2	4,475.52	1/2	4,116.66	1/2	3,756.87	1/2	3,396.97	1/2	3,037.07
3/4		3/4		3/4		3/4		3/4	4,826.90	3/4	4,468.04	3/4	4,109.18	3/4	3,749.37	3/4	3,389.47	3/4	3,029.57
11		11		11		11		11	4,819.42	11	4,460.57	11	4,101.71	11	3,741.87	11	3,381.97	11	3,022.08
1/4		1/4		1/4		1/4		1/4	4,811.95	1/4	4,453.09	1/4	4,094.23	1/4	3,734.38	1/4	3,374.48	1/4	3,014.58
1/2		1/2		1/2		1/2		1/2	4,804.47	1/2	4,445.61	1/2	4,086.76	1/2	3,726.88	1/2	3,366.98	1/2	3,007.08
3/4		3/4		3/4		3/4		3/4	4,796.99	3/4	4,438.14	3/4	4,079.28	3/4	3,719.38	3/4	3,359.48	3/4	2,999.58

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "E2MS 303"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,632.17	0	2,272.17	0	1,912.17	0	1,552.17	0	1,192.17	0	832.67	0	472.67	0	112.69	0		0	
1/4	2,624.67	1/4	2,264.67	1/4	1,904.67	1/4	1,544.67	1/4	1,184.67	1/4	825.17	1/4	465.17	1/4	105.20	1/4		1/4	
1/2	2,617.17	1/2	2,257.17	1/2	1,897.17	1/2	1,537.17	1/2	1,177.17	1/2	817.67	1/2	457.67	1/2	97.71	1/2		1/2	
3/4	2,609.67	3/4	2,249.67	3/4	1,889.67	3/4	1,529.67	3/4	1,169.67	3/4	810.17	3/4	450.17	3/4	90.22	3/4		3/4	
1	2,602.17	1	2,242.17	1	1,882.17	1	1,522.17	1	1,162.18	1	802.67	1	442.67	1	82.75	1		1	
1/4	2,594.67	1/4	2,234.67	1/4	1,874.67	1/4	1,514.67	1/4	1,154.69	1/4	795.17	1/4	435.17	1/4	75.29	1/4		1/4	
1/2	2,587.17	1/2	2,227.17	1/2	1,867.17	1/2	1,507.17	1/2	1,147.19	1/2	787.67	1/2	427.67	1/2	67.83	1/2		1/2	
3/4	2,579.67	3/4	2,219.67	3/4	1,859.67	3/4	1,499.67	3/4	1,139.70	3/4	780.17	3/4	420.17	3/4	60.36	3/4		3/4	
2	2,572.17	2	2,212.17	2	1,852.17	2	1,492.17	2	1,132.20	2	772.67	2	412.67	2	53.80	2		2	
1/4	2,564.67	1/4	2,204.67	1/4	1,844.67	1/4	1,484.67	1/4	1,124.71	1/4	765.17	1/4	405.17	1/4	47.24	1/4		1/4	
1/2	2,557.17	1/2	2,197.17	1/2	1,837.17	1/2	1,477.17	1/2	1,117.21	1/2	757.67	1/2	397.67	1/2	40.68	1/2		1/2	
3/4	2,549.67	3/4	2,189.67	3/4	1,829.67	3/4	1,469.67	3/4	1,109.72	3/4	750.17	3/4	390.17	3/4	34.12	3/4		3/4	
3	2,542.17	3	2,182.17	3	1,822.17	3	1,462.17	3	1,102.23	3	742.67	3	382.67	3	29.43	3		3	
1/4	2,534.67	1/4	2,174.67	1/4	1,814.67	1/4	1,454.67	1/4	1,094.75	1/4	735.17	1/4	375.17	1/4	24.74	1/4		1/4	
1/2	2,527.17	1/2	2,167.17	1/2	1,807.17	1/2	1,447.17	1/2	1,087.26	1/2	727.67	1/2	367.67	1/2	20.06	1/2		1/2	
3/4	2,519.67	3/4	2,159.67	3/4	1,799.67	3/4	1,439.67	3/4	1,079.78	3/4	720.17	3/4	360.17	3/4	15.37	3/4		3/4	
4	2,512.17	4	2,152.17	4	1,792.17	4	1,432.17	4	1,072.29	4	712.67	4	352.67	4		4		4	
1/4	2,504.67	1/4	2,144.67	1/4	1,784.67	1/4	1,424.67	1/4	1,064.80	1/4	705.17	1/4	345.17	1/4		1/4		1/4	
1/2	2,497.17	1/2	2,137.17	1/2	1,777.17	1/2	1,417.17	1/2	1,057.32	1/2	697.67	1/2	337.67	1/2		1/2		1/2	
3/4	2,489.67	3/4	2,129.67	3/4	1,769.67	3/4	1,409.67	3/4	1,049.83	3/4	690.17	3/4	330.17	3/4		3/4		3/4	
5	2,482.17	5	2,122.17	5	1,762.17	5	1,402.17	5	1,042.35	5	682.67	5	322.67	5		5		5	
1/4	2,474.67	1/4	2,114.67	1/4	1,754.67	1/4	1,394.67	1/4	1,034.86	1/4	675.17	1/4	315.17	1/4		1/4		1/4	
1/2	2,467.17	1/2	2,107.17	1/2	1,747.17	1/2	1,387.17	1/2	1,027.37	1/2	667.67	1/2	307.67	1/2		1/2		1/2	
3/4	2,459.67	3/4	2,099.67	3/4	1,739.67	3/4	1,379.67	3/4	1,019.89	3/4	660.17	3/4	300.17	3/4		3/4		3/4	
6	2,452.17	6	2,092.17	6	1,732.17	6	1,372.17	6	1,012.40	6	652.67	6	292.67	6		6		6	
1/4	2,444.67	1/4	2,084.67	1/4	1,724.67	1/4	1,364.67	1/4	1,004.92	1/4	645.17	1/4	285.17	1/4		1/4		1/4	
1/2	2,437.17	1/2	2,077.17	1/2	1,717.17	1/2	1,357.17	1/2	997.43	1/2	637.67	1/2	277.67	1/2		1/2		1/2	
3/4	2,429.67	3/4	2,069.67	3/4	1,709.67	3/4	1,349.67	3/4	989.94	3/4	630.17	3/4	270.17	3/4		3/4		3/4	
7	2,422.17	7	2,062.17	7	1,702.17	7	1,342.17	7	982.46	7	622.67	7	262.67	7		7		7	
1/4	2,414.67	1/4	2,054.67	1/4	1,694.67	1/4	1,334.67	1/4	974.97	1/4	615.17	1/4	255.17	1/4		1/4		1/4	
1/2	2,407.17	1/2	2,047.17	1/2	1,687.17	1/2	1,327.17	1/2	967.49	1/2	607.67	1/2	247.67	1/2		1/2		1/2	
3/4	2,399.67	3/4	2,039.67	3/4	1,679.67	3/4	1,319.67	3/4	960.00	3/4	600.17	3/4	240.17	3/4		3/4		3/4	
8	2,392.17	8	2,032.17	8	1,672.17	8	1,312.17	8	952.52	8	592.67	8	232.67	8		8		8	
1/4	2,384.67	1/4	2,024.67	1/4	1,664.67	1/4	1,304.67	1/4	945.03	1/4	585.17	1/4	225.17	1/4		1/4		1/4	
1/2	2,377.17	1/2	2,017.17	1/2	1,657.17	1/2	1,297.17	1/2	937.54	1/2	577.67	1/2	217.67	1/2		1/2		1/2	
3/4	2,369.67	3/4	2,009.67	3/4	1,649.67	3/4	1,289.67	3/4	930.06	3/4	570.17	3/4	210.17	3/4		3/4		3/4	
9	2,362.17	9	2,002.17	9	1,642.17	9	1,282.17	9	922.57	9	562.67	9	202.67	9		9		9	
1/4	2,354.67	1/4	1,994.67	1/4	1,634.67	1/4	1,274.67	1/4	915.09	1/4	555.17	1/4	195.17	1/4		1/4		1/4	
1/2	2,347.17	1/2	1,987.17	1/2	1,627.17	1/2	1,267.17	1/2	907.60	1/2	547.67	1/2	187.67	1/2		1/2		1/2	
3/4	2,339.67	3/4	1,979.67	3/4	1,619.67	3/4	1,259.67	3/4	900.11	3/4	540.17	3/4	180.17	3/4		3/4		3/4	
10	2,332.17	10	1,972.17	10	1,612.17	10	1,252.17	10	892.63	10	532.67	10	172.67	10		10		10	
1/4	2,324.67	1/4	1,964.67	1/4	1,604.67	1/4	1,244.67	1/4	885.14	1/4	525.17	1/4	165.17	1/4		1/4		1/4	
1/2	2,317.17	1/2	1,957.17	1/2	1,597.17	1/2	1,237.17	1/2	877.66	1/2	517.67	1/2	157.67	1/2		1/2		1/2	
3/4	2,309.67	3/4	1,949.67	3/4	1,589.67	3/4	1,229.67	3/4	870.17	3/4	510.17	3/4	150.17	3/4		3/4		3/4	
11	2,302.17	11	1,942.17	11	1,582.17	11	1,222.17	11	862.67	11	502.67	11	142.67	11		11		11	
1/4	2,294.67	1/4	1,934.67	1/4	1,574.67	1/4	1,214.67	1/4	855.17	1/4	495.17	1/4	135.17	1/4		1/4		1/4	
1/2	2,287.17	1/2	1,927.17	1/2	1,567.17	1/2	1,207.17	1/2	847.67	1/2	487.67	1/2	127.67	1/2		1/2		1/2	
3/4	2,279.67	3/4	1,919.67	3/4	1,559.67	3/4	1,199.67	3/4	840.17	3/4	480.17	3/4	120.18	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/27/2013 SW  
CALCULATED : 08/28/2013 CL  
PRINTED: 08/30/2013 SW

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013



# BARGE "E2MS 303"

# 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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		0		0	4,261.29	0	4,042.09	0	3,822.88	0	3,603.07	0	3,312.93	0	2,956.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,256.73	1/4	4,037.53	1/4	3,818.30	1/4	3,598.49	1/4	3,305.52	1/4	2,949.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,252.16	1/2	4,032.96	1/2	3,813.72	1/2	3,593.91	1/2	3,298.11	1/2	2,941.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,457.36	3/4	4,247.59	3/4	4,028.39	3/4	3,809.14	3/4	3,589.33	3/4	3,290.71
1		1		1		1		1	4,454.17	1	4,243.03	1	4,023.83	1	3,804.56	1	3,584.75	1	3,283.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,450.99	1/4	4,238.46	1/4	4,019.26	1/4	3,799.98	1/4	3,580.17	1/4	3,275.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,447.80	1/2	4,233.89	1/2	4,014.69	1/2	3,795.40	1/2	3,575.59	1/2	3,268.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,444.61	3/4	4,229.33	3/4	4,010.13	3/4	3,790.82	3/4	3,571.01	3/4	3,261.08
2		2		2		2		2	4,440.66	2	4,224.76	2	4,005.56	2	3,786.24	2	3,566.43	2	3,253.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,436.71	1/4	4,220.19	1/4	4,000.99	1/4	3,781.66	1/4	3,561.85	1/4	3,246.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,432.76	1/2	4,215.63	1/2	3,996.43	1/2	3,777.08	1/2	3,557.27	1/2	3,238.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,428.81	3/4	4,211.06	3/4	3,991.86	3/4	3,772.51	3/4	3,552.69	3/4	3,231.45
3		3		3		3		3	4,424.33	3	4,206.49	3	3,987.29	3	3,767.93	3	3,547.87	3	3,224.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,419.85	1/4	4,201.93	1/4	3,982.73	1/4	3,763.35	1/4	3,543.06	1/4	3,216.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,415.37	1/2	4,197.36	1/2	3,978.16	1/2	3,758.77	1/2	3,538.24	1/2	3,209.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,410.89	3/4	4,192.79	3/4	3,973.59	3/4	3,754.19	3/4	3,533.42	3/4	3,201.82
4		4		4		4		4	4,406.38	4	4,188.23	4	3,969.03	4	3,749.61	4	3,528.15	4	3,194.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,401.87	1/4	4,183.66	1/4	3,964.46	1/4	3,745.03	1/4	3,522.89	1/4	3,186.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,397.35	1/2	4,179.09	1/2	3,959.89	1/2	3,740.45	1/2	3,517.63	1/2	3,179.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,392.84	3/4	4,174.53	3/4	3,955.33	3/4	3,735.87	3/4	3,512.37	3/4	3,172.08
5		5		5		5		5	4,388.32	5	4,169.96	5	3,950.76	5	3,731.29	5	3,506.63	5	3,164.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,383.79	1/4	4,165.39	1/4	3,946.19	1/4	3,726.71	1/4	3,500.89	1/4	3,157.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,379.27	1/2	4,160.83	1/2	3,941.63	1/2	3,722.13	1/2	3,495.14	1/2	3,149.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,374.75	3/4	4,156.26	3/4	3,937.06	3/4	3,717.55	3/4	3,489.40	3/4	3,142.34
6		6		6		6		6	4,370.22	6	4,151.69	6	3,932.49	6	3,712.97	6	3,483.19	6	3,134.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,365.70	1/4	4,147.13	1/4	3,927.93	1/4	3,708.39	1/4	3,476.98	1/4	3,127.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,361.18	1/2	4,142.56	1/2	3,923.36	1/2	3,703.81	1/2	3,470.77	1/2	3,120.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,356.66	3/4	4,137.99	3/4	3,918.79	3/4	3,699.23	3/4	3,464.56	3/4	3,112.60
7		7		7		7		7	4,352.13	7	4,133.43	7	3,914.23	7	3,694.66	7	3,457.87	7	3,105.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,347.61	1/4	4,128.86	1/4	3,909.66	1/4	3,690.08	1/4	3,451.19	1/4	3,097.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,343.09	1/2	4,124.29	1/2	3,905.09	1/2	3,685.50	1/2	3,444.50	1/2	3,090.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,338.57	3/4	4,119.73	3/4	3,900.53	3/4	3,680.92	3/4	3,437.81	3/4	3,082.86
8		8		8		8		8	4,334.05	8	4,115.16	8	3,895.96	8	3,676.34	8	3,430.65	8	3,075.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,329.53	1/4	4,110.59	1/4	3,891.39	1/4	3,671.76	1/4	3,423.48	1/4	3,067.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,325.00	1/2	4,106.03	1/2	3,886.83	1/2	3,667.18	1/2	3,416.31	1/2	3,060.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,320.48	3/4	4,101.46	3/4	3,882.26	3/4	3,662.60	3/4	3,409.15	3/4	3,053.12
9		9		9		9		9	4,315.96	9	4,096.89	9	3,877.69	9	3,658.02	9	3,401.75	9	3,045.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,311.44	1/4	4,092.33	1/4	3,873.12	1/4	3,653.44	1/4	3,394.36	1/4	3,038.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,306.92	1/2	4,087.76	1/2	3,868.56	1/2	3,648.86	1/2	3,386.97	1/2	3,030.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,302.39	3/4	4,083.19	3/4	3,863.99	3/4	3,644.28	3/4	3,379.57	3/4	3,023.37
10		10		10		10		10	4,297.83	10	4,078.63	10	3,859.42	10	3,639.70	10	3,372.17	10	3,015.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,293.26	1/4	4,074.06	1/4	3,854.86	1/4	3,635.12	1/4	3,364.77	1/4	3,008.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,288.69	1/2	4,069.49	1/2	3,850.29	1/2	3,630.54	1/2	3,357.37	1/2	3,001.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,284.13	3/4	4,064.93	3/4	3,845.72	3/4	3,625.96	3/4	3,349.96	3/4	2,993.63
11		11		11		11		11	4,279.56	11	4,060.36	11	3,841.16	11	3,621.38	11	3,342.56	11	2,986.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,274.99	1/4	4,055.79	1/4	3,836.59	1/4	3,616.81	1/4	3,335.15	1/4	2,978.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,270.43	1/2	4,051.23	1/2	3,832.02	1/2	3,612.23	1/2	3,327.74	1/2	2,971.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,265.86	3/4	4,046.66	3/4	3,827.46	3/4	3,607.65	3/4	3,320.34	3/4	2,963.89

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "E2MS 303"

# 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,599.55	0	2,242.39	0	1,885.70	0	1,528.73	0	1,171.65	0	827.22	0	469.89	0	112.08	0		0	
1/4	2,592.11	1/4	2,234.95	1/4	1,878.28	1/4	1,521.28	1/4	1,164.41	1/4	819.84	1/4	462.44	1/4	104.63	1/4		1/4	
1/2	2,584.68	1/2	2,227.51	1/2	1,870.85	1/2	1,513.84	1/2	1,157.17	1/2	812.45	1/2	454.99	1/2	97.18	1/2		1/2	
3/4	2,577.24	3/4	2,220.07	3/4	1,863.42	3/4	1,506.40	3/4	1,149.94	3/4	805.07	3/4	447.54	3/4	89.73	3/4		3/4	
1	2,569.80	1	2,212.63	1	1,855.99	1	1,498.95	1	1,142.71	1	797.62	1	440.09	1	82.31	1		1	
1/4	2,562.37	1/4	2,205.19	1/4	1,848.57	1/4	1,491.51	1/4	1,135.49	1/4	790.17	1/4	432.64	1/4	74.89	1/4		1/4	
1/2	2,554.93	1/2	2,197.75	1/2	1,841.14	1/2	1,484.07	1/2	1,128.27	1/2	782.72	1/2	425.19	1/2	67.46	1/2		1/2	
3/4	2,547.49	3/4	2,190.31	3/4	1,833.71	3/4	1,476.62	3/4	1,121.05	3/4	775.27	3/4	417.75	3/4	60.04	3/4		3/4	
2	2,540.06	2	2,182.87	2	1,826.29	2	1,469.18	2	1,113.83	2	767.83	2	410.30	2	53.51	2		2	
1/4	2,532.62	1/4	2,175.43	1/4	1,818.86	1/4	1,461.74	1/4	1,106.60	1/4	760.38	1/4	402.85	1/4	46.99	1/4		1/4	
1/2	2,525.18	1/2	2,167.99	1/2	1,811.43	1/2	1,454.29	1/2	1,099.38	1/2	752.93	1/2	395.40	1/2	40.46	1/2		1/2	
3/4	2,517.75	3/4	2,160.55	3/4	1,804.01	3/4	1,446.85	3/4	1,092.16	3/4	745.48	3/4	387.95	3/4	33.93	3/4		3/4	
3	2,510.31	3	2,153.11	3	1,796.58	3	1,439.40	3	1,085.01	3	738.03	3	380.50	3	29.27	3		3	
1/4	2,502.87	1/4	2,145.67	1/4	1,789.15	1/4	1,431.96	1/4	1,077.86	1/4	730.58	1/4	373.06	1/4	24.61	1/4		1/4	
1/2	2,495.44	1/2	2,138.23	1/2	1,781.72	1/2	1,424.52	1/2	1,070.70	1/2	723.13	1/2	365.61	1/2	19.95	1/2		1/2	
3/4	2,488.00	3/4	2,130.79	3/4	1,774.30	3/4	1,417.07	3/4	1,063.55	3/4	715.69	3/4	358.16	3/4	15.29	3/4		3/4	
4	2,480.57	4	2,123.35	4	1,766.87	4	1,409.63	4	1,056.40	4	708.24	4	350.71	4		4		4	
1/4	2,473.13	1/4	2,115.91	1/4	1,759.44	1/4	1,402.19	1/4	1,049.25	1/4	700.79	1/4	343.26	1/4		1/4		1/4	
1/2	2,465.69	1/2	2,108.47	1/2	1,752.02	1/2	1,394.74	1/2	1,042.10	1/2	693.34	1/2	335.81	1/2		1/2		1/2	
3/4	2,458.26	3/4	2,101.03	3/4	1,744.59	3/4	1,387.30	3/4	1,034.95	3/4	685.89	3/4	328.36	3/4		3/4		3/4	
5	2,450.82	5	2,093.61	5	1,737.14	5	1,379.86	5	1,027.79	5	678.44	5	320.92	5		5		5	
1/4	2,443.38	1/4	2,086.19	1/4	1,729.70	1/4	1,372.41	1/4	1,020.64	1/4	671.00	1/4	313.47	1/4		1/4		1/4	
1/2	2,435.95	1/2	2,078.77	1/2	1,722.26	1/2	1,364.97	1/2	1,013.49	1/2	663.55	1/2	306.02	1/2		1/2		1/2	
3/4	2,428.51	3/4	2,071.35	3/4	1,714.81	3/4	1,357.53	3/4	1,006.34	3/4	656.10	3/4	298.57	3/4		3/4		3/4	
6	2,421.06	6	2,063.93	6	1,707.37	6	1,350.08	6	999.19	6	648.65	6	291.11	6		6		6	
1/4	2,413.62	1/4	2,056.51	1/4	1,699.93	1/4	1,342.64	1/4	992.04	1/4	641.20	1/4	283.65	1/4		1/4		1/4	
1/2	2,406.17	1/2	2,049.09	1/2	1,692.48	1/2	1,335.20	1/2	984.88	1/2	633.75	1/2	276.19	1/2		1/2		1/2	
3/4	2,398.73	3/4	2,041.67	3/4	1,685.04	3/4	1,327.75	3/4	977.73	3/4	626.30	3/4	268.73	3/4		3/4		3/4	
7	2,391.28	7	2,034.25	7	1,677.60	7	1,320.31	7	970.58	7	618.86	7	261.27	7		7		7	
1/4	2,383.83	1/4	2,026.82	1/4	1,670.15	1/4	1,312.87	1/4	963.43	1/4	611.41	1/4	253.81	1/4		1/4		1/4	
1/2	2,376.39	1/2	2,019.39	1/2	1,662.71	1/2	1,305.42	1/2	956.28	1/2	603.96	1/2	246.35	1/2		1/2		1/2	
3/4	2,368.94	3/4	2,011.96	3/4	1,655.27	3/4	1,297.98	3/4	949.13	3/4	596.51	3/4	238.89	3/4		3/4		3/4	
8	2,361.50	8	2,004.54	8	1,647.82	8	1,290.53	8	941.97	8	589.06	8	231.43	8		8		8	
1/4	2,354.05	1/4	1,997.11	1/4	1,640.38	1/4	1,283.09	1/4	934.82	1/4	581.61	1/4	223.97	1/4		1/4		1/4	
1/2	2,346.61	1/2	1,989.68	1/2	1,632.94	1/2	1,275.65	1/2	927.67	1/2	574.16	1/2	216.51	1/2		1/2		1/2	
3/4	2,339.16	3/4	1,982.26	3/4	1,625.49	3/4	1,268.20	3/4	920.52	3/4	566.72	3/4	209.05	3/4		3/4		3/4	
9	2,331.71	9	1,974.83	9	1,618.05	9	1,260.76	9	913.37	9	559.27	9	201.59	9		9		9	
1/4	2,324.27	1/4	1,967.40	1/4	1,610.61	1/4	1,253.32	1/4	906.22	1/4	551.82	1/4	194.13	1/4		1/4		1/4	
1/2	2,316.82	1/2	1,959.97	1/2	1,603.16	1/2	1,245.87	1/2	899.06	1/2	544.37	1/2	186.67	1/2		1/2		1/2	
3/4	2,309.38	3/4	1,952.55	3/4	1,595.72	3/4	1,238.43	3/4	891.91	3/4	536.92	3/4	179.21	3/4		3/4		3/4	
10	2,301.93	10	1,945.12	10	1,588.27	10	1,230.99	10	884.76	10	529.47	10	171.75	10		10		10	
1/4	2,294.49	1/4	1,937.69	1/4	1,580.83	1/4	1,223.54	1/4	877.61	1/4	522.03	1/4	164.29	1/4		1/4		1/4	
1/2	2,287.04	1/2	1,930.27	1/2	1,573.39	1/2	1,216.10	1/2	870.46	1/2	514.58	1/2	156.83	1/2		1/2		1/2	
3/4	2,279.59	3/4	1,922.84	3/4	1,565.94	3/4	1,208.66	3/4	863.31	3/4	507.13	3/4	149.37	3/4		3/4		3/4	
11	2,272.15	11	1,915.41	11	1,558.50	11	1,201.21	11	856.13	11	499.68	11	141.91	11		11		11	
1/4	2,264.71	1/4	1,907.98	1/4	1,551.06	1/4	1,193.77	1/4	848.96	1/4	492.23	1/4	134.45	1/4		1/4		1/4	
1/2	2,257.27	1/2	1,900.56	1/2	1,543.61	1/2	1,186.33	1/2	841.78	1/2	484.78	1/2	126.99	1/2		1/2		1/2	
3/4	2,249.83	3/4	1,893.13	3/4	1,536.17	3/4	1,178.88	3/4	834.61	3/4	477.33	3/4	119.53	3/4		3/4		3/4	

STRAPPED: 08/27/2013 SW  
CALCULATED : 08/28/2013 CL  
PRINTED: 08/30/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "E2MS 303"

# 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,280.14	0	4,060.98	0	3,841.80	0	3,622.03	0	3,331.62	0	2,974.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,275.57	1/4	4,056.41	1/4	3,837.22	1/4	3,617.45	1/4	3,324.20	1/4	2,967.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,271.01	1/2	4,051.84	1/2	3,832.64	1/2	3,612.87	1/2	3,316.79	1/2	2,959.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,476.15	3/4	4,266.44	3/4	4,047.28	3/4	3,828.06	3/4	3,608.30	3/4	3,309.37
1	1	1	1	1	1	1	1	1	4,472.96	1	4,261.87	1	4,042.71	1	3,823.49	1	3,603.72	1	3,301.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,469.78	1/4	4,257.31	1/4	4,038.15	1/4	3,818.91	1/4	3,599.14	1/4	3,294.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,466.59	1/2	4,252.74	1/2	4,033.58	1/2	3,814.33	1/2	3,594.56	1/2	3,287.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,463.41	3/4	4,248.18	3/4	4,029.01	3/4	3,809.75	3/4	3,589.98	3/4	3,279.69
2	2	2	2	2	2	2	2	2	4,459.46	2	4,243.61	2	4,024.45	2	3,805.17	2	3,585.40	2	3,272.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,455.51	1/4	4,239.05	1/4	4,019.88	1/4	3,800.59	1/4	3,580.83	1/4	3,264.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,451.56	1/2	4,234.48	1/2	4,015.32	1/2	3,796.01	1/2	3,576.25	1/2	3,257.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,447.61	3/4	4,229.91	3/4	4,010.75	3/4	3,791.44	3/4	3,571.67	3/4	3,250.02
3	3	3	3	3	3	3	3	3	4,443.13	3	4,225.35	3	4,006.18	3	3,786.86	3	3,566.85	3	3,242.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,438.65	1/4	4,220.78	1/4	4,001.62	1/4	3,782.28	1/4	3,562.03	1/4	3,235.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,434.17	1/2	4,216.22	1/2	3,997.05	1/2	3,777.70	1/2	3,557.21	1/2	3,227.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,429.69	3/4	4,211.65	3/4	3,992.49	3/4	3,773.12	3/4	3,552.39	3/4	3,220.34
4	4	4	4	4	4	4	4	4	4,425.18	4	4,207.08	4	3,987.92	4	3,768.54	4	3,547.13	4	3,212.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,420.67	1/4	4,202.52	1/4	3,983.36	1/4	3,763.97	1/4	3,541.87	1/4	3,205.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,416.16	1/2	4,197.95	1/2	3,978.79	1/2	3,759.39	1/2	3,536.61	1/2	3,198.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,411.64	3/4	4,193.39	3/4	3,974.22	3/4	3,754.81	3/4	3,531.35	3/4	3,190.55
5	5	5	5	5	5	5	5	5	4,407.12	5	4,188.82	5	3,969.66	5	3,750.23	5	3,525.61	5	3,183.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,402.60	1/4	4,184.25	1/4	3,965.09	1/4	3,745.65	1/4	3,519.87	1/4	3,175.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,398.08	1/2	4,179.69	1/2	3,960.53	1/2	3,741.07	1/2	3,514.13	1/2	3,168.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,393.56	3/4	4,175.12	3/4	3,955.96	3/4	3,736.49	3/4	3,508.39	3/4	3,160.76
6	6	6	6	6	6	6	6	6	4,389.04	6	4,170.56	6	3,951.39	6	3,731.92	6	3,502.17	6	3,153.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,384.52	1/4	4,165.99	1/4	3,946.83	1/4	3,727.34	1/4	3,495.95	1/4	3,145.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,380.00	1/2	4,161.43	1/2	3,942.26	1/2	3,722.76	1/2	3,489.73	1/2	3,138.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,375.47	3/4	4,156.86	3/4	3,937.70	3/4	3,718.18	3/4	3,483.51	3/4	3,130.97
7	7	7	7	7	7	7	7	7	4,370.95	7	4,152.29	7	3,933.13	7	3,713.60	7	3,476.81	7	3,123.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,366.43	1/4	4,147.73	1/4	3,928.56	1/4	3,709.02	1/4	3,470.11	1/4	3,116.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,361.91	1/2	4,143.16	1/2	3,924.00	1/2	3,704.44	1/2	3,463.41	1/2	3,108.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,357.39	3/4	4,138.60	3/4	3,919.43	3/4	3,699.87	3/4	3,456.71	3/4	3,101.18
8	8	8	8	8	8	8	8	8	4,352.87	8	4,134.03	8	3,914.87	8	3,695.29	8	3,449.54	8	3,093.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,348.35	1/4	4,129.46	1/4	3,910.30	1/4	3,690.71	1/4	3,442.36	1/4	3,086.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,343.83	1/2	4,124.90	1/2	3,905.73	1/2	3,686.13	1/2	3,435.18	1/2	3,078.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,339.31	3/4	4,120.33	3/4	3,901.17	3/4	3,681.55	3/4	3,428.00	3/4	3,071.39
9	9	9	9	9	9	9	9	9	4,334.79	9	4,115.77	9	3,896.60	9	3,676.97	9	3,420.59	9	3,063.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,330.27	1/4	4,111.20	1/4	3,892.04	1/4	3,672.40	1/4	3,413.19	1/4	3,056.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,325.75	1/2	4,106.63	1/2	3,887.47	1/2	3,667.82	1/2	3,405.78	1/2	3,049.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,321.23	3/4	4,102.07	3/4	3,882.91	3/4	3,663.24	3/4	3,398.38	3/4	3,041.60
10	10	10	10	10	10	10	10	10	4,316.67	10	4,097.50	10	3,878.34	10	3,658.66	10	3,390.96	10	3,034.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,312.10	1/4	4,092.94	1/4	3,873.77	1/4	3,654.08	1/4	3,383.55	1/4	3,026.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,307.53	1/2	4,088.37	1/2	3,869.21	1/2	3,649.50	1/2	3,376.13	1/2	3,019.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,302.97	3/4	4,083.80	3/4	3,864.64	3/4	3,644.92	3/4	3,368.72	3/4	3,011.81
11	11	11	11	11	11	11	11	11	4,298.40	11	4,079.24	11	3,860.08	11	3,640.35	11	3,361.30	11	3,004.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,293.84	1/4	4,074.67	1/4	3,855.51	1/4	3,635.77	1/4	3,353.88	1/4	2,996.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,289.27	1/2	4,070.11	1/2	3,850.94	1/2	3,631.19	1/2	3,346.46	1/2	2,989.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,284.70	3/4	4,065.54	3/4	3,846.38	3/4	3,626.61	3/4	3,339.04	3/4	2,982.02

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "E2MS 303"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,617.09	0	2,259.34	0	1,901.36	0	1,543.39	0	1,185.41	0	827.95	0	469.99	0	112.04	0		0	
1/4	2,609.64	1/4	2,251.88	1/4	1,893.90	1/4	1,535.93	1/4	1,177.95	1/4	820.50	1/4	462.53	1/4	104.59	1/4		1/4	
1/2	2,602.19	1/2	2,244.42	1/2	1,886.45	1/2	1,528.47	1/2	1,170.50	1/2	813.04	1/2	455.07	1/2	97.15	1/2		1/2	
3/4	2,594.74	3/4	2,236.96	3/4	1,878.99	3/4	1,521.01	3/4	1,163.04	3/4	805.58	3/4	447.62	3/4	89.70	3/4		3/4	
1	2,587.30	1	2,229.50	1	1,871.53	1	1,513.56	1	1,155.59	1	798.12	1	440.16	1	82.28	1		1	
1/4	2,579.85	1/4	2,222.05	1/4	1,864.07	1/4	1,506.10	1/4	1,148.13	1/4	790.67	1/4	432.70	1/4	74.86	1/4		1/4	
1/2	2,572.40	1/2	2,214.59	1/2	1,856.61	1/2	1,498.64	1/2	1,140.68	1/2	783.21	1/2	425.24	1/2	67.44	1/2		1/2	
3/4	2,564.95	3/4	2,207.13	3/4	1,849.16	3/4	1,491.18	3/4	1,133.23	3/4	775.75	3/4	417.79	3/4	60.02	3/4		3/4	
2	2,557.50	2	2,199.67	2	1,841.70	2	1,483.72	2	1,125.78	2	768.29	2	410.33	2	53.49	2		2	
1/4	2,550.06	1/4	2,192.22	1/4	1,834.24	1/4	1,476.27	1/4	1,118.33	1/4	760.84	1/4	402.87	1/4	46.97	1/4		1/4	
1/2	2,542.61	1/2	2,184.76	1/2	1,826.78	1/2	1,468.81	1/2	1,110.87	1/2	753.38	1/2	395.41	1/2	40.44	1/2		1/2	
3/4	2,535.16	3/4	2,177.30	3/4	1,819.33	3/4	1,461.35	3/4	1,103.42	3/4	745.92	3/4	387.96	3/4	33.92	3/4		3/4	
3	2,527.71	3	2,169.84	3	1,811.87	3	1,453.89	3	1,095.98	3	738.46	3	380.50	3	29.26	3		3	
1/4	2,520.26	1/4	2,162.38	1/4	1,804.41	1/4	1,446.44	1/4	1,088.54	1/4	731.01	1/4	373.04	1/4	24.60	1/4		1/4	
1/2	2,512.81	1/2	2,154.93	1/2	1,796.95	1/2	1,438.98	1/2	1,081.09	1/2	723.55	1/2	365.58	1/2	19.94	1/2		1/2	
3/4	2,505.37	3/4	2,147.47	3/4	1,789.49	3/4	1,431.52	3/4	1,073.65	3/4	716.09	3/4	358.13	3/4	15.28	3/4		3/4	
4	2,497.92	4	2,140.01	4	1,782.04	4	1,424.06	4	1,066.21	4	708.63	4	350.67	4		4		4	
1/4	2,490.47	1/4	2,132.55	1/4	1,774.58	1/4	1,416.60	1/4	1,058.76	1/4	701.18	1/4	343.21	1/4		1/4		1/4	
1/2	2,483.02	1/2	2,125.09	1/2	1,767.12	1/2	1,409.15	1/2	1,051.32	1/2	693.72	1/2	335.75	1/2		1/2		1/2	
3/4	2,475.57	3/4	2,117.64	3/4	1,759.66	3/4	1,401.69	3/4	1,043.88	3/4	686.26	3/4	328.30	3/4		3/4		3/4	
5	2,468.13	5	2,110.18	5	1,752.20	5	1,394.23	5	1,036.43	5	678.80	5	320.84	5		5		5	
1/4	2,460.68	1/4	2,102.72	1/4	1,744.75	1/4	1,386.77	1/4	1,028.99	1/4	671.35	1/4	313.38	1/4		1/4		1/4	
1/2	2,453.23	1/2	2,095.26	1/2	1,737.29	1/2	1,379.32	1/2	1,021.55	1/2	663.89	1/2	305.92	1/2		1/2		1/2	
3/4	2,445.78	3/4	2,087.81	3/4	1,729.83	3/4	1,371.86	3/4	1,014.10	3/4	656.43	3/4	298.47	3/4		3/4		3/4	
6	2,438.32	6	2,080.35	6	1,722.37	6	1,364.40	6	1,006.66	6	648.97	6	291.01	6		6		6	
1/4	2,430.86	1/4	2,072.89	1/4	1,714.92	1/4	1,356.94	1/4	999.22	1/4	641.51	1/4	283.55	1/4		1/4		1/4	
1/2	2,423.41	1/2	2,065.43	1/2	1,707.46	1/2	1,349.48	1/2	991.78	1/2	634.06	1/2	276.09	1/2		1/2		1/2	
3/4	2,415.95	3/4	2,057.97	3/4	1,700.00	3/4	1,342.03	3/4	984.33	3/4	626.60	3/4	268.63	3/4		3/4		3/4	
7	2,408.49	7	2,050.52	7	1,692.54	7	1,334.57	7	976.89	7	619.14	7	261.18	7		7		7	
1/4	2,401.03	1/4	2,043.06	1/4	1,685.08	1/4	1,327.11	1/4	969.45	1/4	611.68	1/4	253.72	1/4		1/4		1/4	
1/2	2,393.58	1/2	2,035.60	1/2	1,677.63	1/2	1,319.65	1/2	962.00	1/2	604.23	1/2	246.26	1/2		1/2		1/2	
3/4	2,386.12	3/4	2,028.14	3/4	1,670.17	3/4	1,312.19	3/4	954.56	3/4	596.77	3/4	238.80	3/4		3/4		3/4	
8	2,378.66	8	2,020.69	8	1,662.71	8	1,304.74	8	947.12	8	589.31	8	231.35	8		8		8	
1/4	2,371.20	1/4	2,013.23	1/4	1,655.25	1/4	1,297.28	1/4	939.67	1/4	581.85	1/4	223.89	1/4		1/4		1/4	
1/2	2,363.74	1/2	2,005.77	1/2	1,647.80	1/2	1,289.82	1/2	932.23	1/2	574.40	1/2	216.43	1/2		1/2		1/2	
3/4	2,356.29	3/4	1,998.31	3/4	1,640.34	3/4	1,282.36	3/4	924.79	3/4	566.94	3/4	208.97	3/4		3/4		3/4	
9	2,348.83	9	1,990.85	9	1,632.88	9	1,274.91	9	917.34	9	559.48	9	201.52	9		9		9	
1/4	2,341.37	1/4	1,983.40	1/4	1,625.42	1/4	1,267.45	1/4	909.90	1/4	552.02	1/4	194.06	1/4		1/4		1/4	
1/2	2,333.91	1/2	1,975.94	1/2	1,617.96	1/2	1,259.99	1/2	902.46	1/2	544.57	1/2	186.60	1/2		1/2		1/2	
3/4	2,326.46	3/4	1,968.48	3/4	1,610.51	3/4	1,252.53	3/4	895.02	3/4	537.11	3/4	179.14	3/4		3/4		3/4	
10	2,319.00	10	1,961.02	10	1,603.05	10	1,245.07	10	887.57	10	529.65	10	171.69	10		10		10	
1/4	2,311.54	1/4	1,953.57	1/4	1,595.59	1/4	1,237.62	1/4	880.13	1/4	522.19	1/4	164.23	1/4		1/4		1/4	
1/2	2,304.08	1/2	1,946.11	1/2	1,588.13	1/2	1,230.16	1/2	872.69	1/2	514.74	1/2	156.77	1/2		1/2		1/2	
3/4	2,296.62	3/4	1,938.65	3/4	1,580.68	3/4	1,222.70	3/4	865.24	3/4	507.28	3/4	149.31	3/4		3/4		3/4	
11	2,289.17	11	1,931.19	11	1,573.22	11	1,215.24	11	857.79	11	499.82	11	141.86	11		11		11	
1/4	2,281.71	1/4	1,923.73	1/4	1,565.76	1/4	1,207.79	1/4	850.33	1/4	492.36	1/4	134.40	1/4		1/4		1/4	
1/2	2,274.25	1/2	1,916.28	1/2	1,558.30	1/2	1,200.33	1/2	842.87	1/2	484.91	1/2	126.94	1/2		1/2		1/2	
3/4	2,266.79	3/4	1,908.82	3/4	1,550.84	3/4	1,192.87	3/4	835.41	3/4	477.45	3/4	119.49	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/27/2013 SW  
CALCULATED : 08/28/2013 CL  
PRINTED: 08/30/2013 SW

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013



# BARGE "E2MS 303"

# SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	2,508	0	2,075	0	1,487	0	867	0	302	0		0		0		0	
1/4	1/4	1/4	2,503	1/4	2,064	1/4	1,474	1/4	855	1/4	292	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	2,497	1/2	2,052	1/2	1,461	1/2	842	1/2	281	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	2,492	3/4	2,041	3/4	1,448	3/4	830	3/4	271	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1		1	2,487	1	2,029	1	1,435	1	817	1	261	1	1	1	1	1	1	1	1
1/4	1/4	1/4	2,480	1/4	2,018	1/4	1,422	1/4	805	1/4	251	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	2,473	1/2	2,006	1/2	1,409	1/2	792	1/2	241	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	2,467	3/4	1,995	3/4	1,397	3/4	779	3/4	231	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2		2	2,460	2	1,983	2	1,384	2	767	2	221	2	2	2	2	2	2	2	2
1/4	1/4	1/4	2,452	1/4	1,971	1/4	1,371	1/4	755	1/4	211	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	2,445	1/2	1,959	1/2	1,358	1/2	742	1/2	202	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	2,437	3/4	1,948	3/4	1,345	3/4	730	3/4	192	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3		3	2,430	3	1,936	3	1,332	3	717	3	182	3	3	3	3	3	3	3	3
1/4	1/4	1/4	2,422	1/4	1,924	1/4	1,319	1/4	705	1/4	173	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	2,413	1/2	1,912	1/2	1,306	1/2	693	1/2	164	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	2,405	3/4	1,900	3/4	1,293	3/4	681	3/4	155	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4		4	2,397	4	1,888	4	1,280	4	668	4	146	4	4	4	4	4	4	4	4
1/4	1/4	1/4	2,388	1/4	1,876	1/4	1,267	1/4	656	1/4	137	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	2,380	1/2	1,864	1/2	1,254	1/2	644	1/2	128	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	2,371	3/4	1,852	3/4	1,241	3/4	632	3/4	119	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5		5	2,362	5	1,839	5	1,228	5	620	5	111	5	5	5	5	5	5	5	5
1/4	1/4	1/4	2,353	1/4	1,827	1/4	1,215	1/4	608	1/4	102	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	2,344	1/2	1,815	1/2	1,202	1/2	596	1/2	94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	2,335	3/4	1,803	3/4	1,189	3/4	584	3/4	86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6		6	2,325	6	1,790	6	1,176	6	572	6	78	6	6	6	6	6	6	6	6
1/4	1/4	1/4	2,316	1/4	1,778	1/4	1,163	1/4	560	1/4	70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	2,306	1/2	1,766	1/2	1,150	1/2	548	1/2	63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	2,297	3/4	1,753	3/4	1,137	3/4	537	3/4	55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7		7	2,287	7	1,741	7	1,124	7	525	7	48	7	7	7	7	7	7	7	7
1/4	1/4	1/4	2,277	1/4	1,728	1/4	1,111	1/4	513	1/4	41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	2,267	1/2	1,716	1/2	1,098	1/2	502	1/2	35	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	2,257	3/4	1,703	3/4	1,085	3/4	490	3/4	28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8		8	2,247	8	1,691	8	1,072	8	478	8	21	8	8	8	8	8	8	8	8
1/4	1/4	1/4	2,237	1/4	1,678	1/4	1,059	1/4	467	1/4	16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	2,226	1/2	1,665	1/2	1,047	1/2	456	1/2	10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	2,216	3/4	1,653	3/4	1,034	3/4	444	3/4	5	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9		9	2,206	9	1,640	9	1,021	9	433	9	0	9	9	9	9	9	9	9	9
1/4	1/4	1/4	2,195	1/4	1,628	1/4	1,008	1/4	422	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	2,184	1/2	1,615	1/2	995	1/2	410	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	2,174	3/4	1,602	3/4	982	3/4	399	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10		10	2,163	10	1,589	10	969	10	388	10		10	10	10	10	10	10	10	10
1/4	1/4	1/4	2,152	1/4	1,577	1/4	957	1/4	377	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	2,141	1/2	1,564	1/2	944	1/2	366	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	2,130	3/4	1,551	3/4	931	3/4	355	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11		11	2,120	11	1,538	11	918	11	345	11		11	11	11	11	11	11	11	11
1/4	1/4	1/4	2,108	1/4	1,525	1/4	906	1/4	334	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	2,097	1/2	1,513	1/2	893	1/2	323	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	2,086	3/4	1,500	3/4	880	3/4	313	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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 ULLAGE GAUGES TAKEN AT 2 1/2" DIAMETER STANDPIPE.

STRAPPED: 08/27/2013 SW  
 CALCULATED: 08/28/2013 CL  
 PRINTED: 08/30/2013 SW

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 08/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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