BARGE "E2MS 304"

INNAGE (HERMETIC OR 8" HATCH)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	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	00-1/8	- 00-1/8
3 PORT	- 00-5/8	00-5/8	- 01-3/8	01-3/8	- 02-0/8	02-0/8	- 02-3/4	02-3/4	- 03-3/8	03-3/8	- 04-1/8	04-1/8
3 STBD	- 00-5/8	00-5/8	- 01-3/8	01-3/8	- 02-0/8	02-0/8	- 02-3/4	02-3/4	- 03-3/8	03-3/8	- 04-1/8	04-1/8

(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'-06"

July 29, 2014

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

http://www.pmacorp.net

BARGE "E2MS 304"

1 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	22.26	0	312.24	0	657.30	0	1,013.79	0	1,371.50	0	1,729.71	0	2,087.92	0	2,446.13	0	2,804.34	0	3,162.43
1/4	25.79	1/4	319.15	1/4	664.76	1/4	1,021.21	1/4	1,378.97	1/4	1,737.18	1/4	2,095.39	1/4	2,453.60	1/4	2,811.81	1/4	3,169.89
1/2	29.31	1/2	326.06	1/2	672.22	1/2	1,028.63	1/2	1,386.43	1/2	1,744.64	1/2	2,102.85	1/2	2,461.06	1/2	2,819.27	1/2	3,177.35
3/4	32.84	3/4	332.98	3/4	679.68	3/4	1,036.05	3/4	1,393.89	3/4	1,752.10	3/4	2,110.31	3/4	2,468.52	3/4	2,826.73	3/4	3,184.81
1	38.08	1	339.98	1	687.15	1	1,043.47	1	1,401.36	1	1,759.56	1	2,117.77	1	2,475.98	1	2,834.19	1	3,192.27
1/4	43.33	1/4	346.98	1/4	694.61	1/4	1,050.89	1/4	1,408.82	1/4	1,767.03	1/4	2,125.24	1/4	2,483.45	1/4	2,841.66	1/4	3,199.73
1/2	48.57	1/2	353.98	1/2	702.07	1/2	1,058.32	1/2	1,416.28	1/2	1,774.49	1/2	2,132.70	1/2	2,490.91	1/2	2,849.12	1/2	3,207.19
3/4	53.82	3/4	360.98	3/4	709.53	3/4	1,065.74	3/4	1,423.74	3/4	1,781.95	3/4	2,140.16	3/4	2,498.37	3/4	2,856.58	3/4	3,214.65
2	59.85	2	368.07	2	717.00	2	1,073.17	2	1,431.21	2	1,789.42	2	2,147.63	2	2,505.83	2	2,864.04	2	3,222.10
1/4	65.68	1/4	375.16	1/4	724.46	1/4	1,080.61	1/4	1,438.67	1/4	1,796.88	1/4	2,155.09	1/4	2,513.30	1/4	2,871.51	1/4	3,229.56
1/2	71.51	1/2	382.24	1/2	731.92	1/2	1,088.04	1/2	1,446.13	1/2	1,804.34	1/2	2,162.55	1/2	2,520.76	1/2	2,878.97	1/2	3,237.02
3/4	77.35	3/4	389.33	3/4	739.38	3/4	1,095.47	3/4	1,453.59	3/4	1,811.80	3/4	2,170.01	3/4	2,528.22	3/4	2,886.43	3/4	3,244.48
3	83.26	3	396.51	3	746.83	3	1,102.91	3	1,461.06	3	1,819.27	3	2,177.48	3	2,535.69	3	2,893.90	3	3,251.94
1/4	89.18	1/4	403.69	1/4	754.28	1/4	1,110.35	1/4	1,468.52	1/4	1,826.73	1/4	2,184.94	1/4	2,543.15	1/4	2,901.36	1/4	3,259.40
1/2	95.10	1/2	410.86	1/2	761.73	1/2	1,117.79	1/2	1,475.98	1/2	1,834.19	1/2	2,192.40	1/2	2,550.61	1/2	2,908.83	1/2	3,266.86
3/4	101.02	3/4	418.04	3/4	769.18	3/4	1,125.24	3/4	1,483.44	3/4	1,841.65	3/4	2,199.86	3/4	2,558.07	3/4	2,916.30	3/4	3,274.31
4	107.03	4	425.30	4	776.60	4	1,132.70	4	1,490.91	4	1,849.12	4	2,207.33	4	2,565.54	4	2,923.76	4	3,281.77
1/4	113.04	1/4	432.57	1/4	784.01	1/4	1,140.16	1/4	1,498.37	1/4	1,856.58	1/4	2,214.79	1/4	2,573.00	1/4	2,931.21	1/4	3,289.23
1/2	119.04	1/2	439.83	1/2	791.42	1/2	1,147.62	1/2	1,505.83	1/2	1,864.04	1/2	2,222.25	1/2	2,580.46	1/2	2,938.67	1/2	3,296.69
3/4	125.05	3/4	446.90	3/4	798.83	3/4	1,155.09	3/4	1,513.30	3/4	1,871.51	3/4	2,229.71	3/4	2,587.92	3/4	2,946.13	3/4	3,304.15
5	131.15	5	454.05	5	806.24	5	1,162.55	5	1,520.76	5	1,878.97	5	2,237.18	5	2,595.39	5	2,953.59	5	3,311.61
1/4	137.24	1/4	461.20	1/4	813.66	1/4	1,170.01	1/4	1,528.22	1/4	1,886.43	1/4	2,244.64	1/4	2,602.85	1/4	2,961.05	1/4	3,319.07
1/2	143.34	1/2	468.35	1/2	821.07	1/2	1,177.47	1/2	1,535.68	1/2	1,893.89	1/2	2,252.10	1/2	2,610.31	1/2	2,968.51	1/2	3,326.53
3/4	149.43	3/4	475.50	3/4	828.48	3/4	1,184.94	3/4	1,543.15	3/4	1,901.36	3/4	2,259.57	3/4	2,617.78	3/4	2,975.97	3/4	3,333.98
6	155.62	6	482.73	6	835.89	6	1,192.40	6	1,550.61	6	1,908.82	6	2,267.03	6	2,625.24	6	2,983.43	6	3,341.44
1/4	161.80	1/4	489.96	1/4	843.30	1/4	1,199.86	1/4	1,558.07	1/4	1,916.28	1/4	2,274.49	1/4	2,632.70	1/4	2,990.88	1/4	3,348.90
1/2	167.98	1/2	497.18	1/2	850.71	1/2	1,207.32	1/2	1,565.53	1/2	1,923.74	1/2	2,281.95	1/2	2,640.16	1/2	2,998.34	1/2	3,356.36
3/4	174.16	3/4	504.41	3/4	858.13	3/4	1,214.79	3/4	1,573.00	3/4	1,931.21	3/4	2,289.42	3/4	2,647.63	3/4	3,005.80	3/4	3,363.82
7	180.44	7	511.67	7	865.54	7	1,222.25	7	1,580.46	7	1,938.67	7	2,296.88	7	2,655.09	7	3,013.26	7	3,371.28
1/4	186.71	1/4	518.93	1/4	872.95	1/4	1,229.71	1/4	1,587.92	1/4	1,946.13	1/4	2,304.34	1/4	2,662.55	1/4	3,020.72	1/4	3,378.74
1/2	192.98	1/2	526.20	1/2	880.36	1/2	1,237.18	1/2	1,595.39	1/2	1,953.59	1/2	2,311.80	1/2	2,670.01	1/2	3,028.18	1/2	3,386.20
3/4	199.25	3/4	533.46	3/4	887.77	3/4	1,244.64	3/4	1,602.85	3/4	1,961.06	3/4	2,319.27	3/4	2,677.48	3/4	3,035.64	3/4	3,393.65
8	205.61	8	540.72	8	895.19	8	1,252.10	8	1,610.31	8	1,968.52	8	2,326.73	8	2,684.94	8	3,043.10	8	3,401.11
1/4	211.97	1/4	547.98	1/4	902.60	1/4	1,259.56	1/4	1,617.77	1/4	1,975.98	1/4	2,334.19	1/4	2,692.40	1/4	3,050.55	1/4	3,408.57
1/2	218.33	1/2	555.24	1/2	910.01	1/2	1,267.03	1/2	1,625.24	1/2	1,983.45	1/2	2,341.66	1/2	2,699.86	1/2	3,058.01	1/2	3,416.03
3/4	224.69	3/4	562.50	3/4	917.42	3/4	1,274.49	3/4	1,632.70	3/4	1,990.91	3/4	2,349.12	3/4	2,707.33	3/4	3,065.47	3/4	3,423.49
9	231.13	9	569.76	9	924.83	9	1,281.95	9	1,640.16	9	1,998.37	9	2,356.58	9	2,714.79	9	3,072.93	9	3,430.95
1/4	237.78	1/4	577.02	1/4	932.25	1/4	1,289.41	1/4	1,647.62	1/4	2,005.83	1/4	2,364.04	1/4	2,722.25	1/4	3,080.39	1/4	3,438.41
1/2	244.43	1/2	584.28	1/2	939.66	1/2	1,296.88	1/2	1,655.09	1/2	2,013.30	1/2	2,371.51	1/2	2,729.72	1/2	3,087.85	1/2	3,445.86
3/4	251.08	3/4	591.54	3/4	947.07	3/4	1,304.34	3/4	1,662.55	3/4	2,020.76	3/4	2,378.97	3/4	2,737.18	3/4	3,095.31	3/4	3,453.32
10	257.82	10	598.81	10	954.48	10	1,311.80	10	1,670.01	10	2,028.22	10	2,386.43	10	2,744.64	10	3,102.76	10	3,460.78
1/4	264.55	1/4	606.07	1/4	961.89	1/4	1,319.27	1/4	1,677.47	1/4	2,035.68	1/4	2,393.89	1/4	2,752.10	1/4	3,110.22	1/4	3,468.24
1/2	271.29	1/2	613.33	1/2	969.31	1/2	1,326.73	1/2	1,684.94	1/2	2,043.15	1/2	2,401.36	1/2	2,759.57	1/2	3,117.68	1/2	3,475.70
3/4	278.03	3/4	620.59	3/4	976.72	3/4	1,334.19	3/4	1,692.40	3/4	2,050.61	3/4	2,408.82	3/4	2,767.03	3/4	3,125.14	3/4	3,483.16
11	284.85	11	627.85	11	984.13	11	1,341.65	11	1,699.86	11	2,058.07	11	2,416.28	11	2,774.49	11	3,132.60	11	3,490.62
1/4	291.68	1/4	635.11	1/4	991.54	1/4	1,349.12	1/4	1,707.33	1/4	2,065.54	1/4	2,423.74	1/4	2,781.95	1/4	3,140.06	1/4	3,498.08
1/2	298.50	1/2	642.37	1/2	998.96	1/2	1,356.58	1/2	1,714.79	1/2	2,073.00	1/2	2,431.21	1/2	2,789.42	1/2	3,147.52	1/2	3,505.53
3/4	305.32	3/4	649.83	3/4	1,006.37	3/4	1,364.04	3/4	1,722.25	3/4	2,080.46	3/4	2,438.67	3/4	2,796.88	3/4	3,154.98	3/4	3,512.99

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 8 INCH HATCH OR TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (8 INCH HATCH OR HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "E2MS 304"

1 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,520.45	0	3,878.47	0	4,236.49	0	4,593.69	0	4,947.74	0		0		0		0		0	
1/4	3,527.91	1/4	3,885.93	1/4	4,243.95	1/4	4,601.13	1/4	4,954.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,535.37	1/2	3,893.39	1/2	4,251.40	1/2	4,608.57	1/2	4,960.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,542.83	3/4	3,900.85	3/4	4,258.86	3/4	4,616.01	3/4	4,967.54	3/4		3/4		3/4		3/4		3/4	
1	3,550.29	1	3,908.30	1	4,266.32	1	4,623.43	1	4,973.08	1		1		1		1		1	
1/4	3,557.75	1/4	3,915.76	1/4	4,273.78	1/4	4,630.86	1/4	4,978.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,565.20	1/2	3,923.22	1/2	4,281.24	1/2	4,638.29	1/2	4,984.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,572.66	3/4	3,930.68	3/4	4,288.70	3/4	4,645.71	3/4	4,989.69	3/4		3/4		3/4		3/4		3/4	
2	3,580.12	2	3,938.14	2	4,296.15	2	4,653.11	2	4,994.16	2		2		2		2		2	
1/4	3,587.58	1/4	3,945.60	1/4	4,303.61	1/4	4,660.51	1/4	4,998.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,595.04	1/2	3,953.06	1/2	4,311.07	1/2	4,667.90	1/2	5,003.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,602.50	3/4	3,960.52	3/4	4,318.52	3/4	4,675.30	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,609.96	3	3,967.97	3	4,325.96	3	4,682.70	3		3		3		3		3		3	
1/4	3,617.41	1/4	3,975.43	1/4	4,333.40	1/4	4,690.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,624.87	1/2	3,982.89	1/2	4,340.83	1/2	4,697.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,632.33	3/4	3,990.35	3/4	4,348.27	3/4	4,704.89	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,639.79	4	3,997.81	4	4,355.71	4	4,712.29	4		4		4		4		4		4	
1/4	3,647.25	1/4	4,005.27	1/4	4,363.14	1/4	4,719.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,654.71	1/2	4,012.73	1/2	4,370.58	1/2	4,727.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,662.17	3/4	4,020.18	3/4	4,378.02	3/4	4,734.48	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,669.63	5	4,027.64	5	4,385.46	5	4,741.88	5		5		5		5		5		5	
1/4	3,677.08	1/4	4,035.10	1/4	4,392.89	1/4	4,749.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,684.54	1/2	4,042.56	1/2	4,400.33	1/2	4,756.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,692.00	3/4	4,050.02	3/4	4,407.77	3/4	4,764.07	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,699.46	6	4,057.48	6	4,415.20	6	4,771.47	6		6		6		6		6		6	
1/4	3,706.92	1/4	4,064.94	1/4	4,422.64	1/4	4,778.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,714.38	1/2	4,072.40	1/2	4,430.08	1/2	4,786.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,721.84	3/4	4,079.85	3/4	4,437.51	3/4	4,793.66	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,729.30	7	4,087.31	7	4,444.95	7	4,801.06	7		7		7		7		7		7	
1/4	3,736.75	1/4	4,094.77	1/4	4,452.39	1/4	4,808.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,744.21	1/2	4,102.23	1/2	4,459.83	1/2	4,815.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,751.67	3/4	4,109.69	3/4	4,467.26	3/4	4,823.25	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,759.13	8	4,117.15	8	4,474.70	8	4,830.65	8		8		8		8		8		8	
1/4	3,766.59	1/4	4,124.61	1/4	4,482.14	1/4	4,838.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,774.05	1/2	4,132.07	1/2	4,489.57	1/2	4,845.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,781.51	3/4	4,139.52	3/4	4,497.01	3/4	4,852.86	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,788.97	9	4,146.98	9	4,504.45	9	4,860.26	9		9		9		9		9		9	
1/4	3,796.42	1/4	4,154.44	1/4	4,511.89	1/4	4,867.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,803.88	1/2	4,161.90	1/2	4,519.32	1/2	4,875.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,811.34	3/4	4,169.36	3/4	4,526.76	3/4	4,882.46	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,818.80	10	4,176.82	10	4,534.20	10	4,889.87	10		10		10		10		10		10	
1/4	3,826.26	1/4	4,184.28	1/4	4,541.63	1/4	4,897.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,833.72	1/2	4,191.73	1/2	4,549.07	1/2	4,904.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,841.18	3/4	4,199.19	3/4	4,556.51	3/4	4,912.07	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,848.63	11	4,206.65	11	4,563.95	11	4,919.34	11		11		11		11		11		11	
1/4	3,856.09	1/4	4,214.11	1/4	4,571.38	1/4	4,926.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,863.55	1/2	4,221.57	1/2	4,578.82	1/2	4,933.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,871.01	3/4	4,229.03	3/4	4,586.26	3/4	4,941.14	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2014 SW
CALCULATED: 07/29/2014 CL
PRINTED: 07/30/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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

BARGE "E2MS 304"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	22.26	0	312.24	0	657.23	0	1,014.98	0	1,373.15	0	1,731.35	0	2,089.56	0	2,447.76	0	2,805.97	0	3,164.05
1/4	25.79	1/4	319.15	1/4	664.70	1/4	1,022.44	1/4	1,380.61	1/4	1,738.82	1/4	2,097.02	1/4	2,455.23	1/4	2,813.43	1/4	3,171.51
1/2	29.31	1/2	326.06	1/2	672.16	1/2	1,029.89	1/2	1,388.07	1/2	1,746.28	1/2	2,104.48	1/2	2,462.69	1/2	2,820.89	1/2	3,178.97
3/4	32.84	3/4	332.98	3/4	679.62	3/4	1,037.35	3/4	1,395.54	3/4	1,753.74	3/4	2,111.95	3/4	2,470.15	3/4	2,828.36	3/4	3,186.42
1	38.08	1	339.98	1	687.08	1	1,044.81	1	1,403.00	1	1,761.20	1	2,119.41	1	2,477.61	1	2,835.82	1	3,193.88
1/4	43.33	1/4	346.98	1/4	694.55	1/4	1,052.27	1/4	1,410.46	1/4	1,768.67	1/4	2,126.87	1/4	2,485.08	1/4	2,843.28	1/4	3,201.34
1/2	48.57	1/2	353.98	1/2	702.01	1/2	1,059.72	1/2	1,417.92	1/2	1,776.13	1/2	2,134.33	1/2	2,492.54	1/2	2,850.74	1/2	3,208.80
3/4	53.82	3/4	360.98	3/4	709.47	3/4	1,067.18	3/4	1,425.39	3/4	1,783.59	3/4	2,141.80	3/4	2,500.00	3/4	2,858.21	3/4	3,216.26
2	59.85	2	368.07	2	716.93	2	1,074.64	2	1,432.85	2	1,791.05	2	2,149.26	2	2,507.46	2	2,865.67	2	3,223.72
1/4	65.68	1/4	375.16	1/4	724.40	1/4	1,082.11	1/4	1,440.31	1/4	1,798.52	1/4	2,156.72	1/4	2,514.93	1/4	2,873.13	1/4	3,231.18
1/2	71.51	1/2	382.24	1/2	731.86	1/2	1,089.57	1/2	1,447.77	1/2	1,805.98	1/2	2,164.18	1/2	2,522.39	1/2	2,880.59	1/2	3,238.63
3/4	77.35	3/4	389.33	3/4	739.32	3/4	1,097.03	3/4	1,455.24	3/4	1,813.44	3/4	2,171.65	3/4	2,529.85	3/4	2,888.06	3/4	3,246.09
3	83.26	3	396.51	3	746.78	3	1,104.49	3	1,462.70	3	1,820.90	3	2,179.11	3	2,537.31	3	2,895.52	3	3,253.55
1/4	89.18	1/4	403.69	1/4	754.24	1/4	1,111.96	1/4	1,470.16	1/4	1,828.37	1/4	2,186.57	1/4	2,544.78	1/4	2,902.99	1/4	3,261.01
1/2	95.10	1/2	410.86	1/2	761.70	1/2	1,119.42	1/2	1,477.62	1/2	1,835.83	1/2	2,194.03	1/2	2,552.24	1/2	2,910.45	1/2	3,268.47
3/4	101.02	3/4	418.04	3/4	769.16	3/4	1,126.88	3/4	1,485.09	3/4	1,843.29	3/4	2,201.50	3/4	2,559.70	3/4	2,917.91	3/4	3,275.93
4	107.03	4	425.30	4	776.61	4	1,134.35	4	1,492.55	4	1,850.75	4	2,208.96	4	2,567.16	4	2,925.37	4	3,283.39
1/4	113.04	1/4	432.57	1/4	784.06	1/4	1,141.81	1/4	1,500.01	1/4	1,858.22	1/4	2,216.42	1/4	2,574.63	1/4	2,932.83	1/4	3,290.84
1/2	119.04	1/2	439.83	1/2	791.50	1/2	1,149.27	1/2	1,507.48	1/2	1,865.68	1/2	2,223.88	1/2	2,582.09	1/2	2,940.29	1/2	3,298.30
3/4	125.05	3/4	446.90	3/4	798.95	3/4	1,156.73	3/4	1,514.94	3/4	1,873.14	3/4	2,231.35	3/4	2,589.55	3/4	2,947.75	3/4	3,305.76
5	131.15	5	454.05	5	806.40	5	1,164.20	5	1,522.40	5	1,880.61	5	2,238.81	5	2,597.01	5	2,955.21	5	3,313.22
1/4	137.24	1/4	461.20	1/4	813.85	1/4	1,171.66	1/4	1,529.86	1/4	1,888.07	1/4	2,246.27	1/4	2,604.48	1/4	2,962.67	1/4	3,320.68
1/2	143.34	1/2	468.35	1/2	821.30	1/2	1,179.12	1/2	1,537.33	1/2	1,895.53	1/2	2,253.74	1/2	2,611.94	1/2	2,970.13	1/2	3,328.14
3/4	149.43	3/4	475.50	3/4	828.75	3/4	1,186.58	3/4	1,544.79	3/4	1,902.99	3/4	2,261.20	3/4	2,619.40	3/4	2,977.58	3/4	3,335.60
6	155.62	6	482.73	6	836.20	6	1,194.05	6	1,552.25	6	1,910.46	6	2,268.66	6	2,626.87	6	2,985.04	6	3,343.06
1/4	161.80	1/4	489.95	1/4	843.64	1/4	1,201.51	1/4	1,559.71	1/4	1,917.92	1/4	2,276.12	1/4	2,634.33	1/4	2,992.50	1/4	3,350.51
1/2	167.98	1/2	497.18	1/2	851.09	1/2	1,208.97	1/2	1,567.18	1/2	1,925.38	1/2	2,283.59	1/2	2,641.79	1/2	2,999.96	1/2	3,357.97
3/4	174.17	3/4	504.41	3/4	858.54	3/4	1,216.43	3/4	1,574.64	3/4	1,932.84	3/4	2,291.05	3/4	2,649.25	3/4	3,007.42	3/4	3,365.43
7	180.44	7	511.66	7	865.99	7	1,223.90	7	1,582.10	7	1,940.31	7	2,298.51	7	2,656.72	7	3,014.88	7	3,372.89
1/4	186.71	1/4	518.91	1/4	873.44	1/4	1,231.36	1/4	1,589.56	1/4	1,947.77	1/4	2,305.97	1/4	2,664.18	1/4	3,022.34	1/4	3,380.35
1/2	192.98	1/2	526.17	1/2	880.89	1/2	1,238.82	1/2	1,597.03	1/2	1,955.23	1/2	2,313.44	1/2	2,671.64	1/2	3,029.79	1/2	3,387.81
3/4	199.25	3/4	533.42	3/4	888.34	3/4	1,246.28	3/4	1,604.49	3/4	1,962.69	3/4	2,320.90	3/4	2,679.10	3/4	3,037.25	3/4	3,395.27
8	205.61	8	540.67	8	895.79	8	1,253.75	8	1,611.95	8	1,970.16	8	2,328.36	8	2,686.57	8	3,044.71	8	3,402.72
1/4	211.97	1/4	547.93	1/4	903.23	1/4	1,261.21	1/4	1,619.41	1/4	1,977.62	1/4	2,335.82	1/4	2,694.03	1/4	3,052.17	1/4	3,410.18
1/2	218.33	1/2	555.18	1/2	910.68	1/2	1,268.67	1/2	1,626.88	1/2	1,985.08	1/2	2,343.29	1/2	2,701.49	1/2	3,059.63	1/2	3,417.64
3/4	224.69	3/4	562.44	3/4	918.13	3/4	1,276.13	3/4	1,634.34	3/4	1,992.54	3/4	2,350.75	3/4	2,708.95	3/4	3,067.09	3/4	3,425.10
9	231.13	9	569.70	9	925.58	9	1,283.60	9	1,641.80	9	2,000.01	9	2,358.21	9	2,716.42	9	3,074.55	9	3,432.56
1/4	237.78	1/4	576.96	1/4	933.03	1/4	1,291.06	1/4	1,649.26	1/4	2,007.47	1/4	2,365.67	1/4	2,723.88	1/4	3,082.00	1/4	3,440.02
1/2	244.43	1/2	584.22	1/2	940.48	1/2	1,298.52	1/2	1,656.73	1/2	2,014.93	1/2	2,373.14	1/2	2,731.34	1/2	3,089.46	1/2	3,447.48
3/4	251.08	3/4	591.48	3/4	947.93	3/4	1,305.99	3/4	1,664.19	3/4	2,022.39	3/4	2,380.60	3/4	2,738.80	3/4	3,096.92	3/4	3,454.93
10	257.82	10	598.74	10	955.38	10	1,313.45	10	1,671.65	10	2,029.86	10	2,388.06	10	2,746.27	10	3,104.38	10	3,462.39
1/4	264.55	1/4	606.01	1/4	962.82	1/4	1,320.91	1/4	1,679.12	1/4	2,037.32	1/4	2,395.52	1/4	2,753.73	1/4	3,111.84	1/4	3,469.85
1/2	271.29	1/2	613.27	1/2	970.27	1/2	1,328.37	1/2	1,686.58	1/2	2,044.78	1/2	2,402.99	1/2	2,761.19	1/2	3,119.30	1/2	3,477.31
3/4	278.03	3/4	620.53	3/4	977.72	3/4	1,335.84	3/4	1,694.04	3/4	2,052.25	3/4	2,410.45	3/4	2,768.65	3/4	3,126.76	3/4	3,484.77
11	284.85	11	627.79	11	985.17	11	1,343.30	11	1,701.50	11	2,059.71	11	2,417.91	11	2,776.12	11	3,134.21	11	3,492.23
1/4	291.68	1/4	635.05	1/4	992.62	1/4	1,350.76	1/4	1,708.97	1/4	2,067.17	1/4	2,425.38	1/4	2,783.58	1/4	3,141.67	1/4	3,499.69
1/2	298.50	1/2	642.31	1/2	1,000.08	1/2	1,358.22	1/2	1,716.43	1/2	2,074.63	1/2	2,432.84	1/2	2,791.04	1/2	3,149.13	1/2	3,507.14
3/4	305.33	3/4	649.77	3/4	1,007.53	3/4	1,365.69	3/4	1,723.89	3/4	2,082.10	3/4	2,440.30	3/4	2,798.50	3/4	3,156.59	3/4	3,514.60

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 8 INCH HATCH OR TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (8 INCH HATCH OR 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 304"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,522.06	0	3,880.07	0	4,238.09	0	4,595.28	0	4,949.33	0		0		0		0		0	
1/4	3,529.52	1/4	3,887.53	1/4	4,245.55	1/4	4,602.72	1/4	4,955.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,536.98	1/2	3,894.99	1/2	4,253.00	1/2	4,610.16	1/2	4,962.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,544.44	3/4	3,902.45	3/4	4,260.46	3/4	4,617.60	3/4	4,969.13	3/4		3/4		3/4		3/4		3/4	
1	3,551.90	1	3,909.91	1	4,267.92	1	4,625.02	1	4,974.66	1		1		1		1		1	
1/4	3,559.35	1/4	3,917.37	1/4	4,275.38	1/4	4,632.45	1/4	4,980.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,566.81	1/2	3,924.83	1/2	4,282.84	1/2	4,639.88	1/2	4,985.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,574.27	3/4	3,932.28	3/4	4,290.30	3/4	4,647.30	3/4	4,991.27	3/4		3/4		3/4		3/4		3/4	
2	3,581.73	2	3,939.74	2	4,297.75	2	4,654.70	2	4,995.74	2		2		2		2		2	
1/4	3,589.19	1/4	3,947.20	1/4	4,305.21	1/4	4,662.10	1/4	5,000.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,596.65	1/2	3,954.66	1/2	4,312.66	1/2	4,669.49	1/2	5,004.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,604.11	3/4	3,962.12	3/4	4,320.12	3/4	4,676.89	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,611.56	3	3,969.58	3	4,327.55	3	4,684.29	3		3		3		3		3		3	
1/4	3,619.02	1/4	3,977.04	1/4	4,334.99	1/4	4,691.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,626.48	1/2	3,984.49	1/2	4,342.43	1/2	4,699.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,633.94	3/4	3,991.95	3/4	4,349.86	3/4	4,706.48	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,641.40	4	3,999.41	4	4,357.30	4	4,713.88	4		4		4		4		4		4	
1/4	3,648.86	1/4	4,006.87	1/4	4,364.74	1/4	4,721.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,656.32	1/2	4,014.33	1/2	4,372.17	1/2	4,728.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,663.77	3/4	4,021.79	3/4	4,379.61	3/4	4,736.07	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,671.23	5	4,029.25	5	4,387.05	5	4,743.47	5		5		5		5		5		5	
1/4	3,678.69	1/4	4,036.70	1/4	4,394.49	1/4	4,750.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,686.15	1/2	4,044.16	1/2	4,401.92	1/2	4,758.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,693.61	3/4	4,051.62	3/4	4,409.36	3/4	4,765.66	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,701.07	6	4,059.08	6	4,416.80	6	4,773.05	6		6		6		6		6		6	
1/4	3,708.53	1/4	4,066.54	1/4	4,424.23	1/4	4,780.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,715.99	1/2	4,074.00	1/2	4,431.67	1/2	4,787.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,723.44	3/4	4,081.46	3/4	4,439.11	3/4	4,795.25	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,730.90	7	4,088.92	7	4,446.54	7	4,802.64	7		7		7		7		7		7	
1/4	3,738.36	1/4	4,096.37	1/4	4,453.98	1/4	4,810.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,745.82	1/2	4,103.83	1/2	4,461.42	1/2	4,817.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,753.28	3/4	4,111.29	3/4	4,468.86	3/4	4,824.84	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,760.74	8	4,118.75	8	4,476.29	8	4,832.24	8		8		8		8		8		8	
1/4	3,768.20	1/4	4,126.21	1/4	4,483.73	1/4	4,839.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,775.65	1/2	4,133.67	1/2	4,491.17	1/2	4,847.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,783.11	3/4	4,141.13	3/4	4,498.60	3/4	4,854.44	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,790.57	9	4,148.58	9	4,506.04	9	4,861.85	9		9		9		9		9		9	
1/4	3,798.03	1/4	4,156.04	1/4	4,513.48	1/4	4,869.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,805.49	1/2	4,163.50	1/2	4,520.91	1/2	4,876.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,812.95	3/4	4,170.96	3/4	4,528.35	3/4	4,884.05	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,820.41	10	4,178.42	10	4,535.79	10	4,891.45	10		10		10		10		10		10	
1/4	3,827.86	1/4	4,185.88	1/4	4,543.23	1/4	4,898.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,835.32	1/2	4,193.34	1/2	4,550.66	1/2	4,906.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,842.78	3/4	4,200.79	3/4	4,558.10	3/4	4,913.65	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,850.24	11	4,208.25	11	4,565.54	11	4,920.92	11		11		11		11		11		11	
1/4	3,857.70	1/4	4,215.71	1/4	4,572.97	1/4	4,928.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,865.16	1/2	4,223.17	1/2	4,580.41	1/2	4,935.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,872.62	3/4	4,230.63	3/4	4,587.85	3/4	4,942.73	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2014 SW
CALCULATED: 07/29/2014 CL
PRINTED: 07/30/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "E2MS 304"

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	25.55	0	368.97	0	722.21	0	1,070.80	0	1,425.67	0	1,784.58	0	2,143.49	0	2,502.40	0	2,861.31	0	3,220.08
1/4	30.69	1/4	376.45	1/4	729.69	1/4	1,077.98	1/4	1,433.15	1/4	1,792.06	1/4	2,150.97	1/4	2,509.88	1/4	2,868.79	1/4	3,227.55
1/2	35.83	1/2	383.93	1/2	737.17	1/2	1,085.16	1/2	1,440.62	1/2	1,799.53	1/2	2,158.44	1/2	2,517.35	1/2	2,876.26	1/2	3,235.02
3/4	40.97	3/4	391.40	3/4	744.65	3/4	1,092.34	3/4	1,448.10	3/4	1,807.01	3/4	2,165.92	3/4	2,524.83	3/4	2,883.74	3/4	3,242.50
1	47.74	1	398.88	1	752.12	1	1,099.52	1	1,455.58	1	1,814.49	1	2,173.40	1	2,532.31	1	2,891.22	1	3,249.97
1/4	54.52	1/4	406.36	1/4	759.60	1/4	1,106.71	1/4	1,463.05	1/4	1,821.96	1/4	2,180.88	1/4	2,539.79	1/4	2,898.70	1/4	3,257.44
1/2	61.29	1/2	413.84	1/2	767.08	1/2	1,113.89	1/2	1,470.53	1/2	1,829.44	1/2	2,188.35	1/2	2,547.26	1/2	2,906.17	1/2	3,264.92
3/4	68.07	3/4	421.31	3/4	774.55	3/4	1,121.08	3/4	1,478.01	3/4	1,836.92	3/4	2,195.83	3/4	2,554.74	3/4	2,913.65	3/4	3,272.39
2	75.55	2	428.79	2	782.03	2	1,128.27	2	1,485.49	2	1,844.40	2	2,203.31	2	2,562.22	2	2,921.13	2	3,279.86
1/4	82.82	1/4	436.27	1/4	789.51	1/4	1,135.47	1/4	1,492.96	1/4	1,851.87	1/4	2,210.78	1/4	2,569.69	1/4	2,928.61	1/4	3,287.34
1/2	90.10	1/2	443.74	1/2	796.98	1/2	1,142.66	1/2	1,500.44	1/2	1,859.35	1/2	2,218.26	1/2	2,577.17	1/2	2,936.08	1/2	3,294.81
3/4	97.37	3/4	451.22	3/4	804.46	3/4	1,149.86	3/4	1,507.92	3/4	1,866.83	3/4	2,225.74	3/4	2,584.65	3/4	2,943.56	3/4	3,302.28
3	104.65	3	458.70	3	811.86	3	1,157.12	3	1,515.40	3	1,874.31	3	2,233.22	3	2,592.13	3	2,951.03	3	3,309.76
1/4	111.92	1/4	466.18	1/4	819.26	1/4	1,164.39	1/4	1,522.87	1/4	1,881.78	1/4	2,240.69	1/4	2,599.60	1/4	2,958.51	1/4	3,317.23
1/2	119.20	1/2	473.65	1/2	826.67	1/2	1,171.65	1/2	1,530.35	1/2	1,889.26	1/2	2,248.17	1/2	2,607.08	1/2	2,965.98	1/2	3,324.70
3/4	126.47	3/4	481.13	3/4	834.07	3/4	1,178.92	3/4	1,537.83	3/4	1,896.74	3/4	2,255.65	3/4	2,614.56	3/4	2,973.46	3/4	3,332.18
4	133.75	4	488.61	4	841.24	4	1,186.39	4	1,545.30	4	1,904.21	4	2,263.13	4	2,622.04	4	2,980.93	4	3,339.65
1/4	141.02	1/4	496.08	1/4	848.41	1/4	1,193.87	1/4	1,552.78	1/4	1,911.69	1/4	2,270.60	1/4	2,629.51	1/4	2,988.41	1/4	3,347.12
1/2	148.30	1/2	503.56	1/2	855.59	1/2	1,201.35	1/2	1,560.26	1/2	1,919.17	1/2	2,278.08	1/2	2,636.99	1/2	2,995.88	1/2	3,354.60
3/4	155.57	3/4	510.84	3/4	862.76	3/4	1,208.83	3/4	1,567.74	3/4	1,926.65	3/4	2,285.56	3/4	2,644.47	3/4	3,003.35	3/4	3,362.07
5	162.85	5	518.11	5	869.93	5	1,216.30	5	1,575.21	5	1,934.12	5	2,293.03	5	2,651.94	5	3,010.83	5	3,369.54
1/4	170.12	1/4	525.39	1/4	877.11	1/4	1,223.78	1/4	1,582.69	1/4	1,941.60	1/4	2,300.51	1/4	2,659.42	1/4	3,018.30	1/4	3,377.02
1/2	177.40	1/2	532.66	1/2	884.28	1/2	1,231.26	1/2	1,590.17	1/2	1,949.08	1/2	2,307.99	1/2	2,666.90	1/2	3,025.77	1/2	3,384.49
3/4	184.67	3/4	539.94	3/4	891.45	3/4	1,238.74	3/4	1,597.65	3/4	1,956.56	3/4	2,315.47	3/4	2,674.38	3/4	3,033.25	3/4	3,391.96
6	191.95	6	547.21	6	898.63	6	1,246.21	6	1,605.12	6	1,964.03	6	2,322.94	6	2,681.85	6	3,040.72	6	3,399.44
1/4	199.22	1/4	554.49	1/4	905.80	1/4	1,253.69	1/4	1,612.60	1/4	1,971.51	1/4	2,330.42	1/4	2,689.33	1/4	3,048.19	1/4	3,406.91
1/2	206.50	1/2	561.76	1/2	912.97	1/2	1,261.17	1/2	1,620.08	1/2	1,978.99	1/2	2,337.90	1/2	2,696.81	1/2	3,055.67	1/2	3,414.38
3/4	213.77	3/4	569.04	3/4	920.15	3/4	1,268.64	3/4	1,627.55	3/4	1,986.47	3/4	2,345.38	3/4	2,704.29	3/4	3,063.14	3/4	3,421.86
7	221.05	7	576.31	7	927.32	7	1,276.12	7	1,635.03	7	1,993.94	7	2,352.85	7	2,711.76	7	3,070.61	7	3,429.33
1/4	228.32	1/4	583.59	1/4	934.49	1/4	1,283.60	1/4	1,642.51	1/4	2,001.42	1/4	2,360.33	1/4	2,719.24	1/4	3,078.09	1/4	3,436.80
1/2	235.60	1/2	590.86	1/2	941.67	1/2	1,291.08	1/2	1,649.99	1/2	2,008.90	1/2	2,367.81	1/2	2,726.72	1/2	3,085.56	1/2	3,444.28
3/4	242.87	3/4	598.14	3/4	948.84	3/4	1,298.55	3/4	1,657.46	3/4	2,016.37	3/4	2,375.28	3/4	2,734.20	3/4	3,093.03	3/4	3,451.75
8	250.15	8	605.41	8	956.01	8	1,306.03	8	1,664.94	8	2,023.85	8	2,382.76	8	2,741.67	8	3,100.50	8	3,459.22
1/4	257.42	1/4	612.69	1/4	963.19	1/4	1,313.51	1/4	1,672.42	1/4	2,031.33	1/4	2,390.24	1/4	2,749.15	1/4	3,107.98	1/4	3,466.70
1/2	264.70	1/2	619.96	1/2	970.36	1/2	1,320.99	1/2	1,679.90	1/2	2,038.81	1/2	2,397.72	1/2	2,756.63	1/2	3,115.45	1/2	3,474.17
3/4	271.97	3/4	627.24	3/4	977.53	3/4	1,328.46	3/4	1,687.37	3/4	2,046.28	3/4	2,405.19	3/4	2,764.10	3/4	3,122.92	3/4	3,481.64
9	279.25	9	634.51	9	984.71	9	1,335.94	9	1,694.85	9	2,053.76	9	2,412.67	9	2,771.58	9	3,130.40	9	3,489.12
1/4	286.72	1/4	641.79	1/4	991.88	1/4	1,343.42	1/4	1,702.33	1/4	2,061.24	1/4	2,420.15	1/4	2,779.06	1/4	3,137.87	1/4	3,496.59
1/2	294.20	1/2	649.06	1/2	999.05	1/2	1,350.89	1/2	1,709.81	1/2	2,068.72	1/2	2,427.63	1/2	2,786.54	1/2	3,145.34	1/2	3,504.06
3/4	301.68	3/4	656.34	3/4	1,006.23	3/4	1,358.37	3/4	1,717.28	3/4	2,076.19	3/4	2,435.10	3/4	2,794.01	3/4	3,152.82	3/4	3,511.54
10	309.16	10	663.61	10	1,013.40	10	1,365.85	10	1,724.76	10	2,083.67	10	2,442.58	10	2,801.49	10	3,160.29	10	3,519.01
1/4	316.63	1/4	670.89	1/4	1,020.57	1/4	1,373.33	1/4	1,732.24	1/4	2,091.15	1/4	2,450.06	1/4	2,808.97	1/4	3,167.76	1/4	3,526.48
1/2	324.11	1/2	678.16	1/2	1,027.75	1/2	1,380.80	1/2	1,739.71	1/2	2,098.62	1/2	2,457.54	1/2	2,816.45	1/2	3,175.24	1/2	3,533.96
3/4	331.59	3/4	685.44	3/4	1,034.92	3/4	1,388.28	3/4	1,747.19	3/4	2,106.10	3/4	2,465.01	3/4	2,823.92	3/4	3,182.71	3/4	3,541.43
11	339.06	11	692.71	11	1,042.09	11	1,395.76	11	1,754.67	11	2,113.58	11	2,472.49	11	2,831.40	11	3,190.18	11	3,548.90
1/4	346.54	1/4	699.99	1/4	1,049.27	1/4	1,403.24	1/4	1,762.15	1/4	2,121.06	1/4	2,479.97	1/4	2,838.88	1/4	3,197.66	1/4	3,556.38
1/2	354.02	1/2	707.26	1/2	1,056.44	1/2	1,410.71	1/2	1,769.62	1/2	2,128.53	1/2	2,487.44	1/2	2,846.35	1/2	3,205.13	1/2	3,563.85
3/4	361.50	3/4	714.74	3/4	1,063.62	3/4	1,418.19	3/4	1,777.10	3/4	2,136.01	3/4	2,494.92	3/4	2,853.83	3/4	3,212.60	3/4	3,571.32

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 8 INCH HATCH OR TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (8 INCH HATCH OR HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "E2MS 304"

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,578.80	0	3,937.51	0	4,296.23	0	4,654.12	0	5,008.86	0		0		0		0		0	
1/4	3,586.27	1/4	3,944.99	1/4	4,303.71	1/4	4,661.57	1/4	5,015.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,593.74	1/2	3,952.46	1/2	4,311.18	1/2	4,669.02	1/2	5,022.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,601.22	3/4	3,959.93	3/4	4,318.65	3/4	4,676.47	3/4	5,028.70	3/4		3/4		3/4		3/4		3/4	
1	3,608.69	1	3,967.41	1	4,326.13	1	4,683.91	1	5,034.24	1		1		1		1		1	
1/4	3,616.16	1/4	3,974.88	1/4	4,333.60	1/4	4,691.35	1/4	5,039.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,623.64	1/2	3,982.35	1/2	4,341.07	1/2	4,698.80	1/2	5,045.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,631.11	3/4	3,989.83	3/4	4,348.55	3/4	4,706.24	3/4	5,050.88	3/4		3/4		3/4		3/4		3/4	
2	3,638.58	2	3,997.30	2	4,356.01	2	4,713.65	2	5,055.36	2		2		2		2		2	
1/4	3,646.06	1/4	4,004.77	1/4	4,363.48	1/4	4,721.06	1/4	5,059.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,653.53	1/2	4,012.25	1/2	4,370.94	1/2	4,728.47	1/2	5,064.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,661.00	3/4	4,019.72	3/4	4,378.41	3/4	4,735.88	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,668.48	3	4,027.19	3	4,385.86	3	4,743.30	3		3		3		3		3		3	
1/4	3,675.95	1/4	4,034.67	1/4	4,393.31	1/4	4,750.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,683.42	1/2	4,042.14	1/2	4,400.76	1/2	4,758.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,690.90	3/4	4,049.61	3/4	4,408.21	3/4	4,765.53	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,698.37	4	4,057.09	4	4,415.67	4	4,772.94	4		4		4		4		4		4	
1/4	3,705.84	1/4	4,064.56	1/4	4,423.12	1/4	4,780.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,713.32	1/2	4,072.03	1/2	4,430.57	1/2	4,787.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,720.79	3/4	4,079.51	3/4	4,438.02	3/4	4,795.18	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,728.26	5	4,086.98	5	4,445.47	5	4,802.59	5		5		5		5		5		5	
1/4	3,735.74	1/4	4,094.45	1/4	4,452.92	1/4	4,810.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,743.21	1/2	4,101.93	1/2	4,460.38	1/2	4,817.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,750.68	3/4	4,109.40	3/4	4,467.83	3/4	4,824.83	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,758.16	6	4,116.87	6	4,475.28	6	4,832.24	6		6		6		6		6		6	
1/4	3,765.63	1/4	4,124.35	1/4	4,482.73	1/4	4,839.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,773.10	1/2	4,131.82	1/2	4,490.18	1/2	4,847.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,780.58	3/4	4,139.29	3/4	4,497.63	3/4	4,854.47	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,788.05	7	4,146.77	7	4,505.09	7	4,861.89	7		7		7		7		7		7	
1/4	3,795.52	1/4	4,154.24	1/4	4,512.54	1/4	4,869.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,803.00	1/2	4,161.71	1/2	4,519.99	1/2	4,876.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,810.47	3/4	4,169.19	3/4	4,527.44	3/4	4,884.13	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,817.94	8	4,176.66	8	4,534.89	8	4,891.54	8		8		8		8		8		8	
1/4	3,825.42	1/4	4,184.13	1/4	4,542.34	1/4	4,898.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,832.89	1/2	4,191.61	1/2	4,549.80	1/2	4,906.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,840.36	3/4	4,199.08	3/4	4,557.25	3/4	4,913.79	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,847.83	9	4,206.55	9	4,564.70	9	4,921.20	9		9		9		9		9		9	
1/4	3,855.31	1/4	4,214.03	1/4	4,572.15	1/4	4,928.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,862.78	1/2	4,221.50	1/2	4,579.60	1/2	4,936.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,870.25	3/4	4,228.97	3/4	4,587.05	3/4	4,943.45	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,877.73	10	4,236.45	10	4,594.50	10	4,950.87	10		10		10		10		10		10	
1/4	3,885.20	1/4	4,243.92	1/4	4,601.96	1/4	4,958.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,892.67	1/2	4,251.39	1/2	4,609.41	1/2	4,965.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,900.15	3/4	4,258.87	3/4	4,616.86	3/4	4,973.11	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,907.62	11	4,266.34	11	4,624.31	11	4,980.40	11		11		11		11		11		11	
1/4	3,915.09	1/4	4,273.81	1/4	4,631.76	1/4	4,987.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,922.57	1/2	4,281.29	1/2	4,639.21	1/2	4,994.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,930.04	3/4	4,288.76	3/4	4,646.67	3/4	5,002.24	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2014 SW
CALCULATED: 07/29/2014 CL
PRINTED: 07/30/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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

BARGE "E2MS 304"

2 STBD

INNAGE TABLE

GAUGE HEIGHT 15'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	25.55	0	368.97	0	722.22	0	1,080.70	0	1,439.57	0	1,798.48	0	2,157.39	0	2,516.31	0	2,875.22	0	3,233.98
1/4	30.69	1/4	376.45	1/4	729.69	1/4	1,088.17	1/4	1,447.05	1/4	1,805.96	1/4	2,164.87	1/4	2,523.78	1/4	2,882.69	1/4	3,241.46
1/2	35.83	1/2	383.93	1/2	737.17	1/2	1,095.64	1/2	1,454.53	1/2	1,813.44	1/2	2,172.35	1/2	2,531.26	1/2	2,890.17	1/2	3,248.93
3/4	40.97	3/4	391.40	3/4	744.65	3/4	1,103.11	3/4	1,462.01	3/4	1,820.92	3/4	2,179.83	3/4	2,538.74	3/4	2,897.65	3/4	3,256.40
1	47.74	1	398.88	1	752.12	1	1,110.59	1	1,469.48	1	1,828.39	1	2,187.30	1	2,546.21	1	2,905.12	1	3,263.88
1/4	54.52	1/4	406.36	1/4	759.60	1/4	1,118.06	1/4	1,476.96	1/4	1,835.87	1/4	2,194.78	1/4	2,553.69	1/4	2,912.60	1/4	3,271.35
1/2	61.29	1/2	413.84	1/2	767.08	1/2	1,125.53	1/2	1,484.44	1/2	1,843.35	1/2	2,202.26	1/2	2,561.17	1/2	2,920.08	1/2	3,278.82
3/4	68.07	3/4	421.31	3/4	774.56	3/4	1,133.00	3/4	1,491.92	3/4	1,850.83	3/4	2,209.74	3/4	2,568.65	3/4	2,927.56	3/4	3,286.30
2	75.55	2	428.79	2	782.03	2	1,140.48	2	1,499.39	2	1,858.30	2	2,217.21	2	2,576.12	2	2,935.03	2	3,293.77
1/4	82.82	1/4	436.27	1/4	789.51	1/4	1,147.96	1/4	1,506.87	1/4	1,865.78	1/4	2,224.69	1/4	2,583.60	1/4	2,942.51	1/4	3,301.24
1/2	90.10	1/2	443.74	1/2	796.99	1/2	1,155.44	1/2	1,514.35	1/2	1,873.26	1/2	2,232.17	1/2	2,591.08	1/2	2,949.99	1/2	3,308.72
3/4	97.37	3/4	451.22	3/4	804.46	3/4	1,162.91	3/4	1,521.82	3/4	1,880.73	3/4	2,239.65	3/4	2,598.56	3/4	2,957.47	3/4	3,316.19
3	104.65	3	458.70	3	811.94	3	1,170.39	3	1,529.30	3	1,888.21	3	2,247.12	3	2,606.03	3	2,964.94	3	3,323.66
1/4	111.92	1/4	466.17	1/4	819.41	1/4	1,177.87	1/4	1,536.78	1/4	1,895.69	1/4	2,254.60	1/4	2,613.51	1/4	2,972.42	1/4	3,331.14
1/2	119.20	1/2	473.65	1/2	826.89	1/2	1,185.35	1/2	1,544.26	1/2	1,903.17	1/2	2,262.08	1/2	2,620.99	1/2	2,979.89	1/2	3,338.61
3/4	126.47	3/4	481.13	3/4	834.36	3/4	1,192.82	3/4	1,551.73	3/4	1,910.64	3/4	2,269.55	3/4	2,628.46	3/4	2,987.36	3/4	3,346.08
4	133.75	4	488.61	4	841.82	4	1,200.30	4	1,559.21	4	1,918.12	4	2,277.03	4	2,635.94	4	2,994.84	4	3,353.56
1/4	141.02	1/4	496.08	1/4	849.29	1/4	1,207.78	1/4	1,566.69	1/4	1,925.60	1/4	2,284.51	1/4	2,643.42	1/4	3,002.31	1/4	3,361.03
1/2	148.30	1/2	503.56	1/2	856.75	1/2	1,215.26	1/2	1,574.17	1/2	1,933.08	1/2	2,291.99	1/2	2,650.90	1/2	3,009.78	1/2	3,368.50
3/4	155.57	3/4	510.84	3/4	864.22	3/4	1,222.73	3/4	1,581.64	3/4	1,940.55	3/4	2,299.46	3/4	2,658.37	3/4	3,017.26	3/4	3,375.98
5	162.85	5	518.11	5	871.68	5	1,230.21	5	1,589.12	5	1,948.03	5	2,306.94	5	2,665.85	5	3,024.73	5	3,383.45
1/4	170.12	1/4	525.39	1/4	879.15	1/4	1,237.69	1/4	1,596.60	1/4	1,955.51	1/4	2,314.42	1/4	2,673.33	1/4	3,032.20	1/4	3,390.92
1/2	177.40	1/2	532.66	1/2	886.61	1/2	1,245.16	1/2	1,604.07	1/2	1,962.99	1/2	2,321.90	1/2	2,680.81	1/2	3,039.68	1/2	3,398.40
3/4	184.67	3/4	539.94	3/4	894.08	3/4	1,252.64	3/4	1,611.55	3/4	1,970.46	3/4	2,329.37	3/4	2,688.28	3/4	3,047.15	3/4	3,405.87
6	191.95	6	547.21	6	901.54	6	1,260.12	6	1,619.03	6	1,977.94	6	2,336.85	6	2,695.76	6	3,054.62	6	3,413.34
1/4	199.22	1/4	554.49	1/4	909.00	1/4	1,267.60	1/4	1,626.51	1/4	1,985.42	1/4	2,344.33	1/4	2,703.24	1/4	3,062.10	1/4	3,420.82
1/2	206.50	1/2	561.76	1/2	916.47	1/2	1,275.07	1/2	1,633.98	1/2	1,992.89	1/2	2,351.80	1/2	2,710.72	1/2	3,069.57	1/2	3,428.29
3/4	213.77	3/4	569.04	3/4	923.93	3/4	1,282.55	3/4	1,641.46	3/4	2,000.37	3/4	2,359.28	3/4	2,718.19	3/4	3,077.04	3/4	3,435.76
7	221.05	7	576.31	7	931.40	7	1,290.03	7	1,648.94	7	2,007.85	7	2,366.76	7	2,725.67	7	3,084.52	7	3,443.24
1/4	228.32	1/4	583.59	1/4	938.86	1/4	1,297.51	1/4	1,656.42	1/4	2,015.33	1/4	2,374.24	1/4	2,733.15	1/4	3,091.99	1/4	3,450.71
1/2	235.60	1/2	590.86	1/2	946.33	1/2	1,304.98	1/2	1,663.89	1/2	2,022.80	1/2	2,381.71	1/2	2,740.62	1/2	3,099.46	1/2	3,458.18
3/4	242.87	3/4	598.14	3/4	953.79	3/4	1,312.46	3/4	1,671.37	3/4	2,030.28	3/4	2,389.19	3/4	2,748.10	3/4	3,106.94	3/4	3,465.66
8	250.15	8	605.41	8	961.26	8	1,319.94	8	1,678.85	8	2,037.76	8	2,396.67	8	2,755.58	8	3,114.41	8	3,473.13
1/4	257.42	1/4	612.69	1/4	968.72	1/4	1,327.41	1/4	1,686.33	1/4	2,045.24	1/4	2,404.15	1/4	2,763.06	1/4	3,121.88	1/4	3,480.60
1/2	264.70	1/2	619.96	1/2	976.18	1/2	1,334.89	1/2	1,693.80	1/2	2,052.71	1/2	2,411.62	1/2	2,770.53	1/2	3,129.36	1/2	3,488.08
3/4	271.97	3/4	627.24	3/4	983.65	3/4	1,342.37	3/4	1,701.28	3/4	2,060.19	3/4	2,419.10	3/4	2,778.01	3/4	3,136.83	3/4	3,495.55
9	279.25	9	634.51	9	991.11	9	1,349.85	9	1,708.76	9	2,067.67	9	2,426.58	9	2,785.49	9	3,144.30	9	3,503.02
1/4	286.72	1/4	641.79	1/4	998.58	1/4	1,357.32	1/4	1,716.23	1/4	2,075.14	1/4	2,434.06	1/4	2,792.97	1/4	3,151.78	1/4	3,510.50
1/2	294.20	1/2	649.06	1/2	1,006.04	1/2	1,364.80	1/2	1,723.71	1/2	2,082.62	1/2	2,441.53	1/2	2,800.44	1/2	3,159.25	1/2	3,517.97
3/4	301.68	3/4	656.34	3/4	1,013.51	3/4	1,372.28	3/4	1,731.19	3/4	2,090.10	3/4	2,449.01	3/4	2,807.92	3/4	3,166.72	3/4	3,525.44
10	309.16	10	663.61	10	1,020.97	10	1,379.76	10	1,738.67	10	2,097.58	10	2,456.49	10	2,815.40	10	3,174.20	10	3,532.92
1/4	316.63	1/4	670.89	1/4	1,028.43	1/4	1,387.23	1/4	1,746.14	1/4	2,105.05	1/4	2,463.96	1/4	2,822.87	1/4	3,181.67	1/4	3,540.39
1/2	324.11	1/2	678.16	1/2	1,035.90	1/2	1,394.71	1/2	1,753.62	1/2	2,112.53	1/2	2,471.44	1/2	2,830.35	1/2	3,189.14	1/2	3,547.86
3/4	331.59	3/4	685.44	3/4	1,043.36	3/4	1,402.19	3/4	1,761.10	3/4	2,120.01	3/4	2,478.92	3/4	2,837.83	3/4	3,196.62	3/4	3,555.34
11	339.06	11	692.71	11	1,050.83	11	1,409.66	11	1,768.58	11	2,127.49	11	2,486.40	11	2,845.31	11	3,204.09	11	3,562.81
1/4	346.54	1/4	699.99	1/4	1,058.30	1/4	1,417.14	1/4	1,776.05	1/4	2,134.96	1/4	2,493.87	1/4	2,852.78	1/4	3,211.56	1/4	3,570.28
1/2	354.02	1/2	707.26	1/2	1,065.76	1/2	1,424.62	1/2	1,783.53	1/2	2,142.44	1/2	2,501.35	1/2	2,860.26	1/2	3,219.04	1/2	3,577.76
3/4	361.50	3/4	714.74	3/4	1,073.23	3/4	1,432.10	3/4	1,791.01	3/4	2,149.92	3/4	2,508.83	3/4	2,867.74	3/4	3,226.51	3/4	3,585.23

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 8 INCH HATCH OR TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (8 INCH HATCH OR HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "E2MS 304"

2 STBD

INNAGE TABLE

GAUGE HEIGHT 15'-02"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,592.70	0	3,951.42	0	4,310.14	0	4,668.02	0	5,022.77	0		0		0		0		0	
1/4	3,600.18	1/4	3,958.89	1/4	4,317.61	1/4	4,675.48	1/4	5,029.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,607.65	1/2	3,966.37	1/2	4,325.09	1/2	4,682.93	1/2	5,036.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,615.12	3/4	3,973.84	3/4	4,332.56	3/4	4,690.38	3/4	5,042.61	3/4		3/4		3/4		3/4		3/4	
1	3,622.60	1	3,981.31	1	4,340.03	1	4,697.82	1	5,048.16	1		1		1		1		1	
1/4	3,630.07	1/4	3,988.79	1/4	4,347.51	1/4	4,705.26	1/4	5,053.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,637.54	1/2	3,996.26	1/2	4,354.98	1/2	4,712.70	1/2	5,059.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,645.02	3/4	4,003.73	3/4	4,362.45	3/4	4,720.14	3/4	5,064.80	3/4		3/4		3/4		3/4		3/4	
2	3,652.49	2	4,011.21	2	4,369.92	2	4,727.56	2	5,069.28	2		2		2		2		2	
1/4	3,659.96	1/4	4,018.68	1/4	4,377.38	1/4	4,734.97	1/4	5,073.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,667.44	1/2	4,026.15	1/2	4,384.85	1/2	4,742.38	1/2	5,078.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,674.91	3/4	4,033.63	3/4	4,392.32	3/4	4,749.79	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,682.38	3	4,041.10	3	4,399.77	3	4,757.20	3		3		3		3		3		3	
1/4	3,689.86	1/4	4,048.57	1/4	4,407.22	1/4	4,764.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,697.33	1/2	4,056.05	1/2	4,414.67	1/2	4,772.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,704.80	3/4	4,063.52	3/4	4,422.12	3/4	4,779.44	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,712.27	4	4,070.99	4	4,429.57	4	4,786.85	4		4		4		4		4		4	
1/4	3,719.75	1/4	4,078.47	1/4	4,437.02	1/4	4,794.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,727.22	1/2	4,085.94	1/2	4,444.48	1/2	4,801.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,734.69	3/4	4,093.41	3/4	4,451.93	3/4	4,809.09	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,742.17	5	4,100.89	5	4,459.38	5	4,816.50	5		5		5		5		5		5	
1/4	3,749.64	1/4	4,108.36	1/4	4,466.83	1/4	4,823.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,757.11	1/2	4,115.83	1/2	4,474.28	1/2	4,831.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,764.59	3/4	4,123.31	3/4	4,481.73	3/4	4,838.73	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,772.06	6	4,130.78	6	4,489.19	6	4,846.14	6		6		6		6		6		6	
1/4	3,779.53	1/4	4,138.25	1/4	4,496.64	1/4	4,853.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,787.01	1/2	4,145.73	1/2	4,504.09	1/2	4,860.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,794.48	3/4	4,153.20	3/4	4,511.54	3/4	4,868.38	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,801.95	7	4,160.67	7	4,518.99	7	4,875.79	7		7		7		7		7		7	
1/4	3,809.43	1/4	4,168.15	1/4	4,526.44	1/4	4,883.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,816.90	1/2	4,175.62	1/2	4,533.90	1/2	4,890.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,824.37	3/4	4,183.09	3/4	4,541.35	3/4	4,898.03	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,831.85	8	4,190.57	8	4,548.80	8	4,905.45	8		8		8		8		8		8	
1/4	3,839.32	1/4	4,198.04	1/4	4,556.25	1/4	4,912.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,846.79	1/2	4,205.51	1/2	4,563.70	1/2	4,920.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,854.27	3/4	4,212.99	3/4	4,571.15	3/4	4,927.70	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,861.74	9	4,220.46	9	4,578.61	9	4,935.11	9		9		9		9		9		9	
1/4	3,869.21	1/4	4,227.93	1/4	4,586.06	1/4	4,942.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,876.69	1/2	4,235.41	1/2	4,593.51	1/2	4,949.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,884.16	3/4	4,242.88	3/4	4,600.96	3/4	4,957.36	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,891.63	10	4,250.35	10	4,608.41	10	4,964.78	10		10		10		10		10		10	
1/4	3,899.11	1/4	4,257.83	1/4	4,615.86	1/4	4,972.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,906.58	1/2	4,265.30	1/2	4,623.31	1/2	4,979.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,914.05	3/4	4,272.77	3/4	4,630.77	3/4	4,987.02	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,921.53	11	4,280.25	11	4,638.22	11	4,994.31	11		11		11		11		11		11	
1/4	3,929.00	1/4	4,287.72	1/4	4,645.67	1/4	5,001.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,936.47	1/2	4,295.19	1/2	4,653.12	1/2	5,008.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,943.95	3/4	4,302.67	3/4	4,660.57	3/4	5,016.15	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2014 SW
CALCULATED: 07/29/2014 CL
PRINTED: 07/30/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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

BARGE "E2MS 304"

3 PORT
INNAGE TABLE

GAUGE HEIGHT 15'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	25.45	0	367.11	0	718.40	0	1,067.41	0	1,421.14	0	1,777.89	0	2,132.49	0	2,487.12	0	2,843.61	0	3,199.91
1/4	30.57	1/4	374.54	1/4	725.83	1/4	1,074.62	1/4	1,428.57	1/4	1,785.32	1/4	2,139.86	1/4	2,494.55	1/4	2,851.04	1/4	3,207.33
1/2	35.69	1/2	381.98	1/2	733.27	1/2	1,081.83	1/2	1,436.01	1/2	1,792.75	1/2	2,147.23	1/2	2,501.98	1/2	2,858.46	1/2	3,214.76
3/4	40.81	3/4	389.41	3/4	740.71	3/4	1,089.04	3/4	1,443.44	3/4	1,800.18	3/4	2,154.60	3/4	2,509.42	3/4	2,865.89	3/4	3,222.18
1	47.56	1	396.85	1	748.14	1	1,096.25	1	1,450.87	1	1,807.62	1	2,161.96	1	2,516.85	1	2,873.31	1	3,229.60
1/4	54.31	1/4	404.28	1/4	755.58	1/4	1,103.47	1/4	1,458.30	1/4	1,815.05	1/4	2,169.33	1/4	2,524.28	1/4	2,880.74	1/4	3,237.01
1/2	61.06	1/2	411.72	1/2	763.02	1/2	1,110.68	1/2	1,465.74	1/2	1,822.48	1/2	2,176.70	1/2	2,531.71	1/2	2,888.16	1/2	3,244.43
3/4	67.81	3/4	419.15	3/4	770.45	3/4	1,117.89	3/4	1,473.17	3/4	1,829.91	3/4	2,184.07	3/4	2,539.15	3/4	2,895.59	3/4	3,251.84
2	75.26	2	426.59	2	777.89	2	1,125.11	2	1,480.60	2	1,837.35	2	2,191.44	2	2,546.58	2	2,903.01	2	3,259.25
1/4	82.50	1/4	434.02	1/4	785.32	1/4	1,132.34	1/4	1,488.03	1/4	1,844.78	1/4	2,198.81	1/4	2,554.01	1/4	2,910.43	1/4	3,266.65
1/2	89.75	1/2	441.46	1/2	792.76	1/2	1,139.56	1/2	1,495.46	1/2	1,852.21	1/2	2,206.18	1/2	2,561.44	1/2	2,917.86	1/2	3,274.05
3/4	96.99	3/4	448.89	3/4	800.20	3/4	1,146.78	3/4	1,502.90	3/4	1,859.64	3/4	2,213.55	3/4	2,568.87	3/4	2,925.28	3/4	3,281.45
3	104.23	3	456.33	3	807.57	3	1,154.06	3	1,510.33	3	1,867.06	3	2,220.93	3	2,576.30	3	2,932.71	3	3,288.85
1/4	111.47	1/4	463.76	1/4	814.95	1/4	1,161.33	1/4	1,517.76	1/4	1,874.47	1/4	2,228.30	1/4	2,583.73	1/4	2,940.13	1/4	3,296.25
1/2	118.71	1/2	471.20	1/2	822.33	1/2	1,168.60	1/2	1,525.19	1/2	1,881.89	1/2	2,235.68	1/2	2,591.16	1/2	2,947.56	1/2	3,303.65
3/4	125.95	3/4	478.64	3/4	829.71	3/4	1,175.88	3/4	1,532.63	3/4	1,889.30	3/4	2,243.05	3/4	2,598.59	3/4	2,954.98	3/4	3,311.06
4	133.19	4	486.07	4	836.91	4	1,183.31	4	1,540.06	4	1,896.67	4	2,250.45	4	2,606.02	4	2,962.40	4	3,318.46
1/4	140.43	1/4	493.51	1/4	844.11	1/4	1,190.74	1/4	1,547.49	1/4	1,904.04	1/4	2,257.84	1/4	2,613.44	1/4	2,969.82	1/4	3,325.86
1/2	147.66	1/2	500.94	1/2	851.31	1/2	1,198.18	1/2	1,554.92	1/2	1,911.41	1/2	2,265.23	1/2	2,620.87	1/2	2,977.25	1/2	3,333.26
3/4	154.90	3/4	508.18	3/4	858.52	3/4	1,205.61	3/4	1,562.35	3/4	1,918.78	3/4	2,272.63	3/4	2,628.29	3/4	2,984.67	3/4	3,340.66
5	162.14	5	515.41	5	865.72	5	1,213.04	5	1,569.79	5	1,926.15	5	2,280.02	5	2,635.72	5	2,992.09	5	3,348.06
1/4	169.37	1/4	522.65	1/4	872.92	1/4	1,220.47	1/4	1,577.22	1/4	1,933.52	1/4	2,287.41	1/4	2,643.14	1/4	2,999.51	1/4	3,355.46
1/2	176.61	1/2	529.88	1/2	880.13	1/2	1,227.90	1/2	1,584.65	1/2	1,940.89	1/2	2,294.81	1/2	2,650.57	1/2	3,006.94	1/2	3,362.87
3/4	183.84	3/4	537.12	3/4	887.33	3/4	1,235.34	3/4	1,592.08	3/4	1,948.26	3/4	2,302.20	3/4	2,657.99	3/4	3,014.36	3/4	3,370.27
6	191.08	6	544.35	6	894.53	6	1,242.77	6	1,599.51	6	1,955.62	6	2,309.60	6	2,665.42	6	3,021.78	6	3,377.67
1/4	198.31	1/4	551.59	1/4	901.73	1/4	1,250.20	1/4	1,606.95	1/4	1,962.99	1/4	2,316.99	1/4	2,672.84	1/4	3,029.20	1/4	3,385.07
1/2	205.55	1/2	558.82	1/2	908.94	1/2	1,257.63	1/2	1,614.38	1/2	1,970.36	1/2	2,324.38	1/2	2,680.27	1/2	3,036.62	1/2	3,392.47
3/4	212.78	3/4	566.06	3/4	916.14	3/4	1,265.07	3/4	1,621.81	3/4	1,977.73	3/4	2,331.78	3/4	2,687.69	3/4	3,044.05	3/4	3,399.87
7	220.02	7	573.29	7	923.34	7	1,272.50	7	1,629.24	7	1,985.10	7	2,339.17	7	2,695.12	7	3,051.47	7	3,407.27
1/4	227.25	1/4	580.53	1/4	930.54	1/4	1,279.93	1/4	1,636.68	1/4	1,992.47	1/4	2,346.56	1/4	2,702.54	1/4	3,058.89	1/4	3,414.67
1/2	234.49	1/2	587.76	1/2	937.75	1/2	1,287.36	1/2	1,644.11	1/2	1,999.84	1/2	2,353.96	1/2	2,709.97	1/2	3,066.31	1/2	3,422.08
3/4	241.72	3/4	595.00	3/4	944.95	3/4	1,294.79	3/4	1,651.54	3/4	2,007.21	3/4	2,361.35	3/4	2,717.39	3/4	3,073.74	3/4	3,429.48
8	248.95	8	602.23	8	952.15	8	1,302.23	8	1,658.97	8	2,014.58	8	2,368.74	8	2,724.81	8	3,081.16	8	3,436.88
1/4	256.19	1/4	609.47	1/4	959.35	1/4	1,309.66	1/4	1,666.40	1/4	2,021.95	1/4	2,376.14	1/4	2,732.24	1/4	3,088.58	1/4	3,444.28
1/2	263.42	1/2	616.70	1/2	966.56	1/2	1,317.09	1/2	1,673.84	1/2	2,029.32	1/2	2,383.53	1/2	2,739.66	1/2	3,096.00	1/2	3,451.68
3/4	270.66	3/4	623.94	3/4	973.76	3/4	1,324.52	3/4	1,681.27	3/4	2,036.69	3/4	2,390.93	3/4	2,747.09	3/4	3,103.42	3/4	3,459.08
9	277.89	9	631.17	9	980.96	9	1,331.96	9	1,688.70	9	2,044.06	9	2,398.32	9	2,754.51	9	3,110.85	9	3,466.49
1/4	285.32	1/4	638.41	1/4	988.16	1/4	1,339.39	1/4	1,696.13	1/4	2,051.43	1/4	2,405.71	1/4	2,761.94	1/4	3,118.27	1/4	3,473.89
1/2	292.76	1/2	645.64	1/2	995.37	1/2	1,346.82	1/2	1,703.57	1/2	2,058.79	1/2	2,413.11	1/2	2,769.36	1/2	3,125.69	1/2	3,481.30
3/4	300.19	3/4	652.88	3/4	1,002.57	3/4	1,354.25	3/4	1,711.00	3/4	2,066.16	3/4	2,420.50	3/4	2,776.79	3/4	3,133.11	3/4	3,488.70
10	307.63	10	660.11	10	1,009.77	10	1,361.68	10	1,718.43	10	2,073.53	10	2,427.89	10	2,784.21	10	3,140.54	10	3,496.11
1/4	315.06	1/4	667.35	1/4	1,016.97	1/4	1,369.12	1/4	1,725.86	1/4	2,080.90	1/4	2,435.29	1/4	2,791.64	1/4	3,147.96	1/4	3,503.53
1/2	322.50	1/2	674.58	1/2	1,024.18	1/2	1,376.55	1/2	1,733.29	1/2	2,088.27	1/2	2,442.68	1/2	2,799.06	1/2	3,155.38	1/2	3,510.94
3/4	329.93	3/4	681.82	3/4	1,031.38	3/4	1,383.98	3/4	1,740.73	3/4	2,095.64	3/4	2,450.08	3/4	2,806.49	3/4	3,162.80	3/4	3,518.35
11	337.37	11	689.05	11	1,038.58	11	1,391.41	11	1,748.16	11	2,103.01	11	2,457.48	11	2,813.91	11	3,170.22	11	3,525.77
1/4	344.80	1/4	696.29	1/4	1,045.79	1/4	1,398.85	1/4	1,755.59	1/4	2,110.38	1/4	2,464.88	1/4	2,821.34	1/4	3,177.65	1/4	3,533.19
1/2	352.24	1/2	703.52	1/2	1,053.00	1/2	1,406.28	1/2	1,763.02	1/2	2,117.75	1/2	2,472.29	1/2	2,828.76	1/2	3,185.07	1/2	3,540.61
3/4	359.67	3/4	710.96	3/4	1,060.20	3/4	1,413.71	3/4	1,770.46	3/4	2,125.12	3/4	2,479.69	3/4	2,836.19	3/4	3,192.49	3/4	3,548.03

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 8 INCH HATCH OR TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (8 INCH HATCH OR HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 56'-03" FORWARD OF AFT BULKHEAD.

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

BARGE "E2MS 304"

3 PORT
INNAGE TABLE

GAUGE HEIGHT 15'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,554.33	0	3,701.01	0	3,837.34	0	3,973.13	0	4,106.34	0		0		0		0		0	
1/4	3,560.62	1/4	3,703.85	1/4	3,840.18	1/4	3,975.96	1/4	4,108.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,566.91	1/2	3,706.69	1/2	3,843.02	1/2	3,978.78	1/2	4,110.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,573.20	3/4	3,709.53	3/4	3,845.86	3/4	3,981.61	3/4	4,112.35	3/4		3/4		3/4		3/4		3/4	
1	3,576.04	1	3,712.37	1	3,848.70	1	3,984.43	1	4,113.29	1		1		1		1		1	
1/4	3,578.88	1/4	3,715.21	1/4	3,851.54	1/4	3,987.25	1/4	4,114.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,581.72	1/2	3,718.05	1/2	3,854.38	1/2	3,990.07	1/2	4,115.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,584.56	3/4	3,720.89	3/4	3,857.22	3/4	3,992.89	3/4	4,116.11	3/4		3/4		3/4		3/4		3/4	
2	3,587.40	2	3,723.73	2	3,860.06	2	3,995.69	2	4,116.23	2		2		2		2		2	
1/4	3,590.24	1/4	3,726.57	1/4	3,862.90	1/4	3,998.48	1/4	4,116.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,593.08	1/2	3,729.41	1/2	3,865.74	1/2	4,001.28	1/2	4,116.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,595.92	3/4	3,732.25	3/4	3,868.58	3/4	4,004.08	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,598.77	3	3,735.09	3	3,871.40	3	4,006.88	3		3		3		3		3		3	
1/4	3,601.61	1/4	3,737.94	1/4	3,874.23	1/4	4,009.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,604.45	1/2	3,740.78	1/2	3,877.06	1/2	4,012.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,607.29	3/4	3,743.62	3/4	3,879.88	3/4	4,015.27	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,610.13	4	3,746.46	4	3,882.71	4	4,018.07	4		4		4		4		4		4	
1/4	3,612.97	1/4	3,749.30	1/4	3,885.53	1/4	4,020.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,615.81	1/2	3,752.14	1/2	3,888.36	1/2	4,023.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,618.65	3/4	3,754.98	3/4	3,891.18	3/4	4,026.47	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,621.49	5	3,757.82	5	3,894.01	5	4,029.27	5		5		5		5		5		5	
1/4	3,624.33	1/4	3,760.66	1/4	3,896.84	1/4	4,032.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,627.17	1/2	3,763.50	1/2	3,899.66	1/2	4,034.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,630.01	3/4	3,766.34	3/4	3,902.49	3/4	4,037.66	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,632.85	6	3,769.18	6	3,905.31	6	4,040.46	6		6		6		6		6		6	
1/4	3,635.69	1/4	3,772.02	1/4	3,908.14	1/4	4,043.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,638.53	1/2	3,774.86	1/2	3,910.96	1/2	4,046.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,641.37	3/4	3,777.70	3/4	3,913.79	3/4	4,048.86	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,644.21	7	3,780.54	7	3,916.62	7	4,051.66	7		7		7		7		7		7	
1/4	3,647.05	1/4	3,783.38	1/4	3,919.44	1/4	4,054.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,649.89	1/2	3,786.22	1/2	3,922.27	1/2	4,057.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,652.73	3/4	3,789.06	3/4	3,925.09	3/4	4,060.05	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,655.57	8	3,791.90	8	3,927.92	8	4,062.85	8		8		8		8		8		8	
1/4	3,658.41	1/4	3,794.74	1/4	3,930.75	1/4	4,065.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,661.25	1/2	3,797.58	1/2	3,933.57	1/2	4,068.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,664.09	3/4	3,800.42	3/4	3,936.40	3/4	4,071.26	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,666.93	9	3,803.26	9	3,939.22	9	4,074.06	9		9		9		9		9		9	
1/4	3,669.77	1/4	3,806.10	1/4	3,942.05	1/4	4,076.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,672.61	1/2	3,808.94	1/2	3,944.87	1/2	4,079.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,675.45	3/4	3,811.78	3/4	3,947.70	3/4	4,082.46	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,678.29	10	3,814.62	10	3,950.53	10	4,085.26	10		10		10		10		10		10	
1/4	3,681.13	1/4	3,817.46	1/4	3,953.35	1/4	4,088.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,683.97	1/2	3,820.30	1/2	3,956.18	1/2	4,090.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,686.81	3/4	3,823.14	3/4	3,959.00	3/4	4,093.67	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,689.65	11	3,825.98	11	3,961.83	11	4,096.34	11		11		11		11		11		11	
1/4	3,692.49	1/4	3,828.82	1/4	3,964.66	1/4	4,099.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,695.33	1/2	3,831.66	1/2	3,967.48	1/2	4,101.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,698.17	3/4	3,834.50	3/4	3,970.31	3/4	4,104.34	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2014 SW
CALCULATED: 07/29/2014 CL
PRINTED: 07/30/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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

BARGE "E2MS 304"

3 STBD

INNAGE TABLE

GAUGE HEIGHT 15'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	25.45	0	367.54	0	719.41	0	1,076.42	0	1,433.89	0	1,791.40	0	2,148.91	0	2,506.43	0	2,863.71	0	3,220.79
1/4	30.57	1/4	374.99	1/4	726.86	1/4	1,083.86	1/4	1,441.33	1/4	1,798.85	1/4	2,156.36	1/4	2,513.87	1/4	2,871.15	1/4	3,228.23
1/2	35.69	1/2	382.44	1/2	734.30	1/2	1,091.30	1/2	1,448.78	1/2	1,806.30	1/2	2,163.81	1/2	2,521.32	1/2	2,878.60	1/2	3,235.67
3/4	40.81	3/4	389.89	3/4	741.75	3/4	1,098.74	3/4	1,456.23	3/4	1,813.74	3/4	2,171.26	3/4	2,528.77	3/4	2,886.04	3/4	3,243.11
1	47.56	1	397.33	1	749.20	1	1,106.18	1	1,463.68	1	1,821.19	1	2,178.71	1	2,536.22	1	2,893.48	1	3,250.54
1/4	54.31	1/4	404.78	1/4	756.65	1/4	1,113.62	1/4	1,471.13	1/4	1,828.64	1/4	2,186.15	1/4	2,543.67	1/4	2,900.92	1/4	3,257.97
1/2	61.06	1/2	412.23	1/2	764.10	1/2	1,121.07	1/2	1,478.57	1/2	1,836.09	1/2	2,193.60	1/2	2,551.12	1/2	2,908.36	1/2	3,265.40
3/4	67.81	3/4	419.68	3/4	771.54	3/4	1,128.51	3/4	1,486.02	3/4	1,843.54	3/4	2,201.05	3/4	2,558.56	3/4	2,915.80	3/4	3,272.84
2	75.26	2	427.13	2	778.99	2	1,135.96	2	1,493.47	2	1,850.98	2	2,208.50	2	2,566.01	2	2,923.24	2	3,280.26
1/4	82.50	1/4	434.57	1/4	786.44	1/4	1,143.41	1/4	1,500.92	1/4	1,858.43	1/4	2,215.95	1/4	2,573.46	1/4	2,930.68	1/4	3,287.67
1/2	89.75	1/2	442.02	1/2	793.89	1/2	1,150.85	1/2	1,508.37	1/2	1,865.88	1/2	2,223.39	1/2	2,580.91	1/2	2,938.12	1/2	3,295.09
3/4	97.00	3/4	449.47	3/4	801.34	3/4	1,158.30	3/4	1,515.82	3/4	1,873.33	3/4	2,230.84	3/4	2,588.36	3/4	2,945.56	3/4	3,302.51
3	104.24	3	456.92	3	808.78	3	1,165.75	3	1,523.26	3	1,880.78	3	2,238.29	3	2,595.81	3	2,953.00	3	3,309.93
1/4	111.49	1/4	464.37	1/4	816.23	1/4	1,173.20	1/4	1,530.71	1/4	1,888.23	1/4	2,245.74	1/4	2,603.26	1/4	2,960.44	1/4	3,317.34
1/2	118.74	1/2	471.82	1/2	823.67	1/2	1,180.65	1/2	1,538.16	1/2	1,895.67	1/2	2,253.19	1/2	2,610.71	1/2	2,967.88	1/2	3,324.76
3/4	125.98	3/4	479.26	3/4	831.11	3/4	1,188.09	3/4	1,545.61	3/4	1,903.12	3/4	2,260.64	3/4	2,618.16	3/4	2,975.32	3/4	3,332.18
4	133.23	4	486.71	4	838.55	4	1,195.54	4	1,553.06	4	1,910.57	4	2,268.08	4	2,625.60	4	2,982.76	4	3,339.60
1/4	140.48	1/4	494.16	1/4	845.98	1/4	1,202.99	1/4	1,560.50	1/4	1,918.02	1/4	2,275.53	1/4	2,633.04	1/4	2,990.20	1/4	3,347.01
1/2	147.72	1/2	501.61	1/2	853.41	1/2	1,210.44	1/2	1,567.95	1/2	1,925.47	1/2	2,282.98	1/2	2,640.48	1/2	2,997.64	1/2	3,354.43
3/4	154.97	3/4	508.85	3/4	860.85	3/4	1,217.89	3/4	1,575.40	3/4	1,932.91	3/4	2,290.43	3/4	2,647.92	3/4	3,005.08	3/4	3,361.85
5	162.22	5	516.10	5	868.28	5	1,225.34	5	1,582.85	5	1,940.36	5	2,297.88	5	2,655.36	5	3,012.52	5	3,369.27
1/4	169.46	1/4	523.35	1/4	875.71	1/4	1,232.78	1/4	1,590.30	1/4	1,947.81	1/4	2,305.32	1/4	2,662.80	1/4	3,019.95	1/4	3,376.69
1/2	176.71	1/2	530.59	1/2	883.15	1/2	1,240.23	1/2	1,597.75	1/2	1,955.26	1/2	2,312.77	1/2	2,670.24	1/2	3,027.39	1/2	3,384.10
3/4	183.96	3/4	537.84	3/4	890.58	3/4	1,247.68	3/4	1,605.19	3/4	1,962.71	3/4	2,320.22	3/4	2,677.69	3/4	3,034.83	3/4	3,391.52
6	191.20	6	545.09	6	898.01	6	1,255.13	6	1,612.64	6	1,970.16	6	2,327.67	6	2,685.13	6	3,042.27	6	3,398.94
1/4	198.45	1/4	552.33	1/4	905.44	1/4	1,262.58	1/4	1,620.09	1/4	1,977.60	1/4	2,335.12	1/4	2,692.57	1/4	3,049.71	1/4	3,406.36
1/2	205.70	1/2	559.58	1/2	912.88	1/2	1,270.02	1/2	1,627.54	1/2	1,985.05	1/2	2,342.57	1/2	2,700.01	1/2	3,057.15	1/2	3,413.77
3/4	212.94	3/4	566.83	3/4	920.31	3/4	1,277.47	3/4	1,634.99	3/4	1,992.50	3/4	2,350.01	3/4	2,707.45	3/4	3,064.58	3/4	3,421.19
7	220.19	7	574.07	7	927.74	7	1,284.92	7	1,642.43	7	1,999.95	7	2,357.46	7	2,714.89	7	3,072.02	7	3,428.61
1/4	227.44	1/4	581.32	1/4	935.18	1/4	1,292.37	1/4	1,649.88	1/4	2,007.40	1/4	2,364.91	1/4	2,722.33	1/4	3,079.46	1/4	3,436.03
1/2	234.68	1/2	588.57	1/2	942.61	1/2	1,299.82	1/2	1,657.33	1/2	2,014.84	1/2	2,372.36	1/2	2,729.77	1/2	3,086.90	1/2	3,443.44
3/4	241.93	3/4	595.81	3/4	950.04	3/4	1,307.27	3/4	1,664.78	3/4	2,022.29	3/4	2,379.81	3/4	2,737.21	3/4	3,094.34	3/4	3,450.86
8	249.18	8	603.06	8	957.48	8	1,314.71	8	1,672.23	8	2,029.74	8	2,387.25	8	2,744.66	8	3,101.78	8	3,458.28
1/4	256.42	1/4	610.31	1/4	964.91	1/4	1,322.16	1/4	1,679.68	1/4	2,037.19	1/4	2,394.70	1/4	2,752.10	1/4	3,109.21	1/4	3,465.70
1/2	263.67	1/2	617.55	1/2	972.34	1/2	1,329.61	1/2	1,687.12	1/2	2,044.64	1/2	2,402.15	1/2	2,759.54	1/2	3,116.65	1/2	3,473.12
3/4	270.92	3/4	624.80	3/4	979.77	3/4	1,337.06	3/4	1,694.57	3/4	2,052.09	3/4	2,409.60	3/4	2,766.98	3/4	3,124.09	3/4	3,480.53
9	278.16	9	632.05	9	987.21	9	1,344.51	9	1,702.02	9	2,059.53	9	2,417.05	9	2,774.42	9	3,131.53	9	3,487.95
1/4	285.61	1/4	639.29	1/4	994.64	1/4	1,351.96	1/4	1,709.47	1/4	2,066.98	1/4	2,424.50	1/4	2,781.86	1/4	3,138.97	1/4	3,495.37
1/2	293.06	1/2	646.54	1/2	1,002.07	1/2	1,359.40	1/2	1,716.92	1/2	2,074.43	1/2	2,431.94	1/2	2,789.30	1/2	3,146.41	1/2	3,502.79
3/4	300.51	3/4	653.79	3/4	1,009.51	3/4	1,366.85	3/4	1,724.37	3/4	2,081.88	3/4	2,439.39	3/4	2,796.74	3/4	3,153.85	3/4	3,510.20
10	307.96	10	661.03	10	1,016.94	10	1,374.30	10	1,731.81	10	2,089.33	10	2,446.84	10	2,804.18	10	3,161.28	10	3,517.62
1/4	315.41	1/4	668.28	1/4	1,024.37	1/4	1,381.75	1/4	1,739.26	1/4	2,096.78	1/4	2,454.29	1/4	2,811.63	1/4	3,168.72	1/4	3,525.04
1/2	322.85	1/2	675.53	1/2	1,031.81	1/2	1,389.20	1/2	1,746.71	1/2	2,104.22	1/2	2,461.74	1/2	2,819.07	1/2	3,176.16	1/2	3,532.46
3/4	330.30	3/4	682.77	3/4	1,039.24	3/4	1,396.64	3/4	1,754.16	3/4	2,111.67	3/4	2,469.18	3/4	2,826.51	3/4	3,183.60	3/4	3,539.87
11	337.75	11	690.02	11	1,046.67	11	1,404.09	11	1,761.61	11	2,119.12	11	2,476.63	11	2,833.95	11	3,191.04	11	3,547.30
1/4	345.20	1/4	697.27	1/4	1,054.11	1/4	1,411.54	1/4	1,769.05	1/4	2,126.57	1/4	2,484.08	1/4	2,841.39	1/4	3,198.48	1/4	3,554.72
1/2	352.65	1/2	704.51	1/2	1,061.54	1/2	1,418.99	1/2	1,776.50	1/2	2,134.02	1/2	2,491.53	1/2	2,848.83	1/2	3,205.91	1/2	3,562.14
3/4	360.09	3/4	711.96	3/4	1,068.98	3/4	1,426.44	3/4	1,783.95	3/4	2,141.46	3/4	2,498.98	3/4	2,856.27	3/4	3,213.35	3/4	3,569.57

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 8 INCH HATCH OR TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (8 INCH HATCH OR HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 56'-03" FORWARD OF AFT BULKHEAD.

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

BARGE "E2MS 304"

3 STBD

INNAGE TABLE

GAUGE HEIGHT 15'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,575.86	0	3,722.50	0	3,858.78	0	3,994.51	0	4,127.66	0		0		0		0		0	
1/4	3,582.15	1/4	3,725.34	1/4	3,861.62	1/4	3,997.33	1/4	4,129.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,588.44	1/2	3,728.18	1/2	3,864.46	1/2	4,000.16	1/2	4,131.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,594.74	3/4	3,731.02	3/4	3,867.30	3/4	4,002.98	3/4	4,133.67	3/4		3/4		3/4		3/4		3/4	
1	3,597.57	1	3,733.86	1	3,870.14	1	4,005.80	1	4,134.61	1		1		1		1		1	
1/4	3,600.41	1/4	3,736.70	1/4	3,872.98	1/4	4,008.62	1/4	4,135.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.25	1/2	3,739.53	1/2	3,875.82	1/2	4,011.43	1/2	4,136.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,606.09	3/4	3,742.37	3/4	3,878.66	3/4	4,014.25	3/4	4,137.43	3/4		3/4		3/4		3/4		3/4	
2	3,608.93	2	3,745.21	2	3,881.49	2	4,017.05	2	4,137.55	2		2		2		2		2	
1/4	3,611.77	1/4	3,748.05	1/4	3,884.32	1/4	4,019.85	1/4	4,137.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,614.61	1/2	3,750.89	1/2	3,887.16	1/2	4,022.64	1/2	4,137.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,617.45	3/4	3,753.73	3/4	3,889.99	3/4	4,025.44	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,620.29	3	3,756.57	3	3,892.82	3	4,028.24	3		3		3		3		3		3	
1/4	3,623.13	1/4	3,759.41	1/4	3,895.64	1/4	4,031.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,625.97	1/2	3,762.25	1/2	3,898.47	1/2	4,033.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,628.81	3/4	3,765.09	3/4	3,901.29	3/4	4,036.63	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,631.65	4	3,767.93	4	3,904.12	4	4,039.43	4		4		4		4		4		4	
1/4	3,634.48	1/4	3,770.77	1/4	3,906.94	1/4	4,042.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,637.32	1/2	3,773.61	1/2	3,909.77	1/2	4,045.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,640.16	3/4	3,776.44	3/4	3,912.59	3/4	4,047.82	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,643.00	5	3,779.28	5	3,915.42	5	4,050.62	5		5		5		5		5		5	
1/4	3,645.84	1/4	3,782.12	1/4	3,918.24	1/4	4,053.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,648.68	1/2	3,784.96	1/2	3,921.06	1/2	4,056.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,651.52	3/4	3,787.80	3/4	3,923.89	3/4	4,059.01	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,654.36	6	3,790.64	6	3,926.71	6	4,061.81	6		6		6		6		6		6	
1/4	3,657.20	1/4	3,793.48	1/4	3,929.54	1/4	4,064.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,660.04	1/2	3,796.32	1/2	3,932.36	1/2	4,067.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,662.88	3/4	3,799.16	3/4	3,935.19	3/4	4,070.20	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,665.72	7	3,802.00	7	3,938.01	7	4,073.00	7		7		7		7		7		7	
1/4	3,668.55	1/4	3,804.84	1/4	3,940.84	1/4	4,075.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,671.39	1/2	3,807.68	1/2	3,943.66	1/2	4,078.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,674.23	3/4	3,810.51	3/4	3,946.49	3/4	4,081.39	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,677.07	8	3,813.35	8	3,949.31	8	4,084.19	8		8		8		8		8		8	
1/4	3,679.91	1/4	3,816.19	1/4	3,952.14	1/4	4,086.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,682.75	1/2	3,819.03	1/2	3,954.96	1/2	4,089.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,685.59	3/4	3,821.87	3/4	3,957.79	3/4	4,092.59	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,688.43	9	3,824.71	9	3,960.61	9	4,095.39	9		9		9		9		9		9	
1/4	3,691.27	1/4	3,827.55	1/4	3,963.44	1/4	4,098.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,694.11	1/2	3,830.39	1/2	3,966.26	1/2	4,100.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,696.95	3/4	3,833.23	3/4	3,969.08	3/4	4,103.79	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,699.79	10	3,836.07	10	3,971.91	10	4,106.59	10		10		10		10		10		10	
1/4	3,702.63	1/4	3,838.91	1/4	3,974.73	1/4	4,109.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,705.46	1/2	3,841.75	1/2	3,977.56	1/2	4,112.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,708.30	3/4	3,844.59	3/4	3,980.38	3/4	4,114.99	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,711.14	11	3,847.42	11	3,983.21	11	4,117.66	11		11		11		11		11		11	
1/4	3,713.98	1/4	3,850.26	1/4	3,986.03	1/4	4,120.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,716.82	1/2	3,853.10	1/2	3,988.86	1/2	4,122.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,719.66	3/4	3,855.94	3/4	3,991.68	3/4	4,125.66	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2014 SW
CALCULATED: 07/29/2014 CL
PRINTED: 07/30/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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

BARGE "E2MS 304"

FUEL TANK
INNAGE TABLE

GAUGE HEIGHT 6'-10"

CAPACITIES GIVEN IN WHOLE GALLONS

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	2,323	0	4,646	0	6,969	0	9,292	0	11,615	0	13,938	0		0		0	
1/4	48	1/4	2,372	1/4	4,695	1/4	7,018	1/4	9,341	1/4	11,664	1/4	13,987	1/4		1/4		1/4	
1/2	97	1/2	2,420	1/2	4,743	1/2	7,066	1/2	9,389	1/2	11,712	1/2	14,035	1/2		1/2		1/2	
3/4	145	3/4	2,468	3/4	4,791	3/4	7,115	3/4	9,438	3/4	11,761	3/4	14,084	3/4		3/4		3/4	
1	194	1	2,517	1	4,840	1	7,163	1	9,486	1	11,809	1	14,132	1		1		1	
1/4	242	1/4	2,565	1/4	4,888	1/4	7,211	1/4	9,534	1/4	11,857	1/4	14,180	1/4		1/4		1/4	
1/2	290	1/2	2,614	1/2	4,937	1/2	7,260	1/2	9,583	1/2	11,906	1/2	14,229	1/2		1/2		1/2	
3/4	339	3/4	2,662	3/4	4,985	3/4	7,308	3/4	9,631	3/4	11,954	3/4	14,277	3/4		3/4		3/4	
2	387	2	2,710	2	5,033	2	7,356	2	9,680	2	12,003	2	14,326	2		2		2	
1/4	436	1/4	2,759	1/4	5,082	1/4	7,405	1/4	9,728	1/4	12,051	1/4		1/4		1/4		1/4	
1/2	484	1/2	2,807	1/2	5,130	1/2	7,453	1/2	9,776	1/2	12,099	1/2		1/2		1/2		1/2	
3/4	532	3/4	2,856	3/4	5,179	3/4	7,502	3/4	9,825	3/4	12,148	3/4		3/4		3/4		3/4	
3	581	3	2,904	3	5,227	3	7,550	3	9,873	3	12,196	3		3		3		3	
1/4	629	1/4	2,952	1/4	5,275	1/4	7,598	1/4	9,922	1/4	12,245	1/4		1/4		1/4		1/4	
1/2	678	1/2	3,001	1/2	5,324	1/2	7,647	1/2	9,970	1/2	12,293	1/2		1/2		1/2		1/2	
3/4	726	3/4	3,049	3/4	5,372	3/4	7,695	3/4	10,018	3/4	12,341	3/4		3/4		3/4		3/4	
4	775	4	3,098	4	5,421	4	7,744	4	10,067	4	12,390	4		4		4		4	
1/4	823	1/4	3,146	1/4	5,469	1/4	7,792	1/4	10,115	1/4	12,438	1/4		1/4		1/4		1/4	
1/2	871	1/2	3,194	1/2	5,517	1/2	7,840	1/2	10,164	1/2	12,487	1/2		1/2		1/2		1/2	
3/4	920	3/4	3,243	3/4	5,566	3/4	7,889	3/4	10,212	3/4	12,535	3/4		3/4		3/4		3/4	
5	968	5	3,291	5	5,614	5	7,937	5	10,260	5	12,583	5		5		5		5	
1/4	1,016	1/4	3,340	1/4	5,663	1/4	7,986	1/4	10,309	1/4	12,632	1/4		1/4		1/4		1/4	
1/2	1,065	1/2	3,388	1/2	5,711	1/2	8,034	1/2	10,357	1/2	12,680	1/2		1/2		1/2		1/2	
3/4	1,113	3/4	3,436	3/4	5,759	3/4	8,082	3/4	10,405	3/4	12,729	3/4		3/4		3/4		3/4	
6	1,162	6	3,485	6	5,808	6	8,131	6	10,454	6	12,777	6		6		6		6	
1/4	1,210	1/4	3,533	1/4	5,856	1/4	8,179	1/4	10,502	1/4	12,825	1/4		1/4		1/4		1/4	
1/2	1,258	1/2	3,582	1/2	5,905	1/2	8,228	1/2	10,551	1/2	12,874	1/2		1/2		1/2		1/2	
3/4	1,307	3/4	3,630	3/4	5,953	3/4	8,276	3/4	10,599	3/4	12,922	3/4		3/4		3/4		3/4	
7	1,355	7	3,678	7	6,001	7	8,324	7	10,647	7	12,971	7		7		7		7	
1/4	1,404	1/4	3,727	1/4	6,050	1/4	8,373	1/4	10,696	1/4	13,019	1/4		1/4		1/4		1/4	
1/2	1,452	1/2	3,775	1/2	6,098	1/2	8,421	1/2	10,744	1/2	13,067	1/2		1/2		1/2		1/2	
3/4	1,500	3/4	3,824	3/4	6,147	3/4	8,470	3/4	10,793	3/4	13,116	3/4		3/4		3/4		3/4	
8	1,549	8	3,872	8	6,195	8	8,518	8	10,841	8	13,164	8		8		8		8	
1/4	1,597	1/4	3,920	1/4	6,243	1/4	8,566	1/4	10,889	1/4	13,213	1/4		1/4		1/4		1/4	
1/2	1,646	1/2	3,969	1/2	6,292	1/2	8,615	1/2	10,938	1/2	13,261	1/2		1/2		1/2		1/2	
3/4	1,694	3/4	4,017	3/4	6,340	3/4	8,663	3/4	10,986	3/4	13,309	3/4		3/4		3/4		3/4	
9	1,742	9	4,066	9	6,389	9	8,712	9	11,035	9	13,358	9		9		9		9	
1/4	1,791	1/4	4,114	1/4	6,437	1/4	8,760	1/4	11,083	1/4	13,406	1/4		1/4		1/4		1/4	
1/2	1,839	1/2	4,162	1/2	6,485	1/2	8,808	1/2	11,131	1/2	13,455	1/2		1/2		1/2		1/2	
3/4	1,888	3/4	4,211	3/4	6,534	3/4	8,857	3/4	11,180	3/4	13,503	3/4		3/4		3/4		3/4	
10	1,936	10	4,259	10	6,582	10	8,905	10	11,228	10	13,551	10		10		10		10	
1/4	1,984	1/4	4,307	1/4	6,631	1/4	8,954	1/4	11,277	1/4	13,600	1/4		1/4		1/4		1/4	
1/2	2,033	1/2	4,356	1/2	6,679	1/2	9,002	1/2	11,325	1/2	13,648	1/2		1/2		1/2		1/2	
3/4	2,081	3/4	4,404	3/4	6,727	3/4	9,050	3/4	11,373	3/4	13,696	3/4		3/4		3/4		3/4	
11	2,130	11	4,453	11	6,776	11	9,099	11	11,422	11	13,745	11		11		11		11	
1/4	2,178	1/4	4,501	1/4	6,824	1/4	9,147	1/4	11,470	1/4	13,793	1/4		1/4		1/4		1/4	
1/2	2,226	1/2	4,549	1/2	6,873	1/2	9,196	1/2	11,519	1/2	13,842	1/2		1/2		1/2		1/2	
3/4	2,275	3/4	4,598	3/4	6,921	3/4	9,244	3/4	11,567	3/4	13,890	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.

STRAPPED: 07/29/2014 SW
CALCULATED: 07/29/2014 CL
PRINTED: 07/29/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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