BARGE "E2MS 103"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 3 CENTER IS - 00-3/8"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 5/8'

LENGTH BETWEEN DRAFT MARKS: 166'-09"

August 1, 2018

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

http://www.pmacorp.net

BARGE "E2MS 103"

1 CENTER
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	4.09	0	224.73	0	477.19	0	726.28	0	974.96	0	1,226.68	0	1,478.40	0	1,729.89	0	1,981.19	0	2,232.99
1/4	4.96	1/4	229.99	1/4	482.44	1/4	731.37	1/4	980.20	1/4	1,231.92	1/4	1,483.65	1/4	1,735.12	1/4	1,986.44	1/4	2,238.24
1/2	5.84	1/2	235.25	1/2	487.70	1/2	736.46	1/2	985.45	1/2	1,237.17	1/2	1,488.89	1/2	1,740.35	1/2	1,991.69	1/2	2,243.48
3/4	6.71	3/4	240.51	3/4	492.96	3/4	741.54	3/4	990.69	3/4	1,242.41	3/4	1,494.13	3/4	1,745.58	3/4	1,996.93	3/4	2,248.73
1	7.59	1	245.77	1	498.22	1	746.63	1	995.93	1	1,247.66	1	1,499.38	1	1,750.80	1	2,002.18	1	2,253.98
1/4	10.22	1/4	251.03	1/4	503.48	1/4	751.72	1/4	1,001.18	1/4	1,252.90	1/4	1,504.62	1/4	1,756.03	1/4	2,007.42	1/4	2,259.22
1/2	12.85	1/2	256.29	1/2	508.74	1/2	756.80	1/2	1,006.42	1/2	1,258.14	1/2	1,509.86	1/2	1,761.26	1/2	2,012.67	1/2	2,264.47
3/4	15.48	3/4	261.55	3/4	514.00	3/4	761.89	3/4	1,011.67	3/4	1,263.39	3/4	1,515.11	3/4	1,766.49	3/4	2,017.92	3/4	2,269.71
2	18.11	2	266.81	2	519.26	2	766.98	2	1,016.91	2	1,268.63	2	1,520.35	2	1,771.72	2	2,023.16	2	2,274.96
1/4	22.49	1/4	272.06	1/4	524.52	1/4	772.07	1/4	1,022.16	1/4	1,273.88	1/4	1,525.59	1/4	1,776.94	1/4	2,028.41	1/4	2,280.21
1/2	26.87	1/2	277.32	1/2	529.78	1/2	777.15	1/2	1,027.40	1/2	1,279.12	1/2	1,530.84	1/2	1,782.17	1/2	2,033.65	1/2	2,285.45
3/4	31.25	3/4	282.58	3/4	535.04	3/4	782.24	3/4	1,032.64	3/4	1,284.37	3/4	1,536.08	3/4	1,787.40	3/4	2,038.90	3/4	2,290.70
3	35.63	3	287.84	3	540.30	3	787.33	3	1,037.89	3	1,289.61	3	1,541.32	3	1,792.63	3	2,044.14	3	2,295.94
1/4	40.84	1/4	293.10	1/4	545.56	1/4	792.41	1/4	1,043.13	1/4	1,294.85	1/4	1,546.56	1/4	1,797.86	1/4	2,049.39	1/4	2,301.19
1/2	46.06	1/2	298.36	1/2	550.82	1/2	797.50	1/2	1,048.38	1/2	1,300.10	1/2	1,551.81	1/2	1,803.09	1/2	2,054.64	1/2	2,306.43
3/4	51.27	3/4	303.62	3/4	556.08	3/4	802.59	3/4	1,053.62	3/4	1,305.34	3/4	1,557.05	3/4	1,808.31	3/4	2,059.88	3/4	2,311.68
4	56.48	4	308.88	4	561.34	4	807.68	4	1,058.87	4	1,310.59	4	1,562.29	4	1,813.54	4	2,065.13	4	2,316.93
1/4	61.73	1/4	314.14	1/4	566.60	1/4	812.79	1/4	1,064.11	1/4	1,315.83	1/4	1,567.54	1/4	1,818.77	1/4	2,070.37	1/4	2,322.17
1/2	66.98	1/2	319.40	1/2	571.86	1/2	817.90	1/2	1,069.35	1/2	1,321.08	1/2	1,572.78	1/2	1,824.00	1/2	2,075.62	1/2	2,327.42
3/4	72.22	3/4	324.66	3/4	577.12	3/4	823.01	3/4	1,074.60	3/4	1,326.32	3/4	1,578.02	3/4	1,829.23	3/4	2,080.86	3/4	2,332.66
5	77.47	5	329.92	5	582.38	5	828.12	5	1,079.84	5	1,331.56	5	1,583.26	5	1,834.45	5	2,086.11	5	2,337.91
1/4	82.73	1/4	335.18	1/4	587.63	1/4	833.36	1/4	1,085.09	1/4	1,336.81	1/4	1,588.51	1/4	1,839.68	1/4	2,091.36	1/4	2,343.15
1/2	87.99	1/2	340.44	1/2	592.89	1/2	838.61	1/2	1,090.33	1/2	1,342.05	1/2	1,593.75	1/2	1,844.91	1/2	2,096.60	1/2	2,348.40
3/4	93.24	3/4	345.70	3/4	598.15	3/4	843.85	3/4	1,095.57	3/4	1,347.30	3/4	1,598.99	3/4	1,850.14	3/4	2,101.85	3/4	2,353.65
6	98.50	6	350.96	6	603.41	6	849.10	6	1,100.82	6	1,352.54	6	1,604.24	6	1,855.37	6	2,107.09	6	2,358.89
1/4	103.76	1/4	356.22	1/4	608.67	1/4	854.34	1/4	1,106.06	1/4	1,357.78	1/4	1,609.48	1/4	1,860.59	1/4	2,112.34	1/4	2,364.14
1/2	109.02	1/2	361.48	1/2	613.93	1/2	859.59	1/2	1,111.31	1/2	1,363.03	1/2	1,614.72	1/2	1,865.82	1/2	2,117.59	1/2	2,369.38
3/4	114.28	3/4	366.74	3/4	619.19	3/4	864.83	3/4	1,116.55	3/4	1,368.27	3/4	1,619.96	3/4	1,871.05	3/4	2,122.83	3/4	2,374.63
7	119.54	7	372.00	7	624.45	7	870.07	7	1,121.80	7	1,373.52	7	1,625.21	7	1,876.28	7	2,128.08	7	2,379.88
1/4	124.80	1/4	377.25	1/4	629.58	1/4	875.32	1/4	1,127.04	1/4	1,378.76	1/4	1,630.45	1/4	1,881.52	1/4	2,133.32	1/4	2,385.12
1/2	130.06	1/2	382.51	1/2	634.70	1/2	880.56	1/2	1,132.28	1/2	1,384.01	1/2	1,635.69	1/2	1,886.77	1/2	2,138.57	1/2	2,390.37
3/4	135.32	3/4	387.77	3/4	639.83	3/4	885.81	3/4	1,137.53	3/4	1,389.25	3/4	1,640.94	3/4	1,892.02	3/4	2,143.81	3/4	2,395.61
8	140.58	8	393.03	8	644.95	8	891.05	8	1,142.77	8	1,394.49	8	1,646.18	8	1,897.26	8	2,149.06	8	2,400.86
1/4	145.84	1/4	398.29	1/4	650.04	1/4	896.29	1/4	1,148.02	1/4	1,399.74	1/4	1,651.42	1/4	1,902.51	1/4	2,154.31	1/4	2,406.10
1/2	151.10	1/2	403.55	1/2	655.13	1/2	901.54	1/2	1,153.26	1/2	1,404.98	1/2	1,656.67	1/2	1,907.75	1/2	2,159.55	1/2	2,411.35
3/4	156.36	3/4	408.81	3/4	660.21	3/4	906.78	3/4	1,158.50	3/4	1,410.23	3/4	1,661.91	3/4	1,913.00	3/4	2,164.80	3/4	2,416.60
9	161.62	9	414.07	9	665.30	9	912.03	9	1,163.75	9	1,415.47	9	1,667.15	9	1,918.25	9	2,170.04	9	2,421.84
1/4	166.87	1/4	419.33	1/4	670.39	1/4	917.27	1/4	1,168.99	1/4	1,420.71	1/4	1,672.38	1/4	1,923.49	1/4	2,175.29	1/4	2,427.09
1/2	172.13	1/2	424.59	1/2	675.47	1/2	922.52	1/2	1,174.24	1/2	1,425.96	1/2	1,677.61	1/2	1,928.74	1/2	2,180.54	1/2	2,432.33
3/4	177.39	3/4	429.85	3/4	680.56	3/4	927.76	3/4	1,179.48	3/4	1,431.20	3/4	1,682.84	3/4	1,933.98	3/4	2,185.78	3/4	2,437.58
10	182.65	10	435.11	10	685.65	10	933.00	10	1,184.73	10	1,436.45	10	1,688.07	10	1,939.23	10	2,191.03	10	2,442.83
1/4	187.91	1/4	440.37	1/4	690.73	1/4	938.25	1/4	1,189.97	1/4	1,441.69	1/4	1,693.30	1/4	1,944.47	1/4	2,196.27	1/4	2,448.07
1/2	193.17	1/2	445.63	1/2	695.81	1/2	943.49	1/2	1,195.21	1/2	1,446.94	1/2	1,698.52	1/2	1,949.72	1/2	2,201.52	1/2	2,453.32
3/4	198.43	3/4	450.89	3/4	700.89	3/4	948.74	3/4	1,200.46	3/4	1,452.18	3/4	1,703.75	3/4	1,954.97	3/4	2,206.76	3/4	2,458.56
11	203.69	11	456.15	11	705.97	11	953.98	11	1,205.70	11	1,457.42	11	1,708.98	11	1,960.21	11	2,212.01	11	2,463.81
1/4	208.95	1/4	461.41	1/4	711.04	1/4	959.23	1/4	1,210.95	1/4	1,462.67	1/4	1,714.21	1/4	1,965.46	1/4	2,217.26	1/4	2,469.05
1/2	214.21	1/2	466.67	1/2	716.12	1/2	964.47	1/2	1,216.19	1/2	1,467.91	1/2	1,719.44	1/2	1,970.70	1/2	2,222.50	1/2	2,474.30
3/4	219.47	3/4	471.93	3/4	721.20	3/4	969.71	3/4	1,221.44	3/4	1,473.16	3/4	1,724.66	3/4	1,975.95	3/4	2,227.75	3/4	2,479.55

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "E2MS 103"

1 CENTER

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,484.79	0	2,721.71	0	2,938.07	0	3,154.43	0	3,370.80	0		0		0		0		0	
1/4	2,490.04	1/4	2,726.21	1/4	2,942.58	1/4	3,158.94	1/4	3,375.31	1/4		1/4		1/4		1/4		1/4	
1/2	2,495.28	1/2	2,730.72	1/2	2,947.09	1/2	3,163.45	1/2	3,379.81	1/2		1/2		1/2		1/2		1/2	
3/4	2,500.53	3/4	2,735.23	3/4	2,951.59	3/4	3,167.96	3/4	3,384.32	3/4		3/4		3/4		3/4		3/4	
1	2,505.77	1	2,739.74	1	2,956.10	1	3,172.47	1	3,388.83	1		1		1		1		1	
1/4	2,511.02	1/4	2,744.24	1/4	2,960.61	1/4	3,176.97	1/4	3,393.34	1/4		1/4		1/4		1/4		1/4	
1/2	2,516.27	1/2	2,748.75	1/2	2,965.12	1/2	3,181.48	1/2	3,397.85	1/2		1/2		1/2		1/2		1/2	
3/4	2,521.51	3/4	2,753.26	3/4	2,969.62	3/4	3,185.99	3/4	3,402.35	3/4		3/4		3/4		3/4		3/4	
2	2,526.76	2	2,757.77	2	2,974.13	2	3,190.50	2	3,406.86	2		2		2		2		2	
1/4	2,532.00	1/4	2,762.27	1/4	2,978.64	1/4	3,195.00	1/4	3,411.37	1/4		1/4		1/4		1/4		1/4	
1/2	2,537.25	1/2	2,766.78	1/2	2,983.15	1/2	3,199.51	1/2	3,415.88	1/2		1/2		1/2		1/2		1/2	
3/4	2,542.50	3/4	2,771.29	3/4	2,987.65	3/4	3,204.02	3/4	3,420.39	3/4		3/4		3/4		3/4		3/4	
3	2,547.74	3	2,775.80	3	2,992.16	3	3,208.53	3	3,424.90	3		3		3		3		3	
1/4	2,552.99	1/4	2,780.30	1/4	2,996.67	1/4	3,213.03	1/4	3,429.39	1/4		1/4		1/4		1/4		1/4	
1/2	2,558.23	1/2	2,784.81	1/2	3,001.18	1/2	3,217.54	1/2	3,433.88	1/2		1/2		1/2		1/2		1/2	
3/4	2,563.48	3/4	2,789.32	3/4	3,005.68	3/4	3,222.05	3/4	3,438.38	3/4		3/4		3/4		3/4		3/4	
4	2,568.72	4	2,793.83	4	3,010.19	4	3,226.56	4	3,442.87	4		4		4		4		4	
1/4	2,573.97	1/4	2,798.33	1/4	3,014.70	1/4	3,231.06	1/4	3,447.33	1/4		1/4		1/4		1/4		1/4	
1/2	2,579.22	1/2	2,802.84	1/2	3,019.21	1/2	3,235.57	1/2	3,451.80	1/2		1/2		1/2		1/2		1/2	
3/4	2,584.46	3/4	2,807.35	3/4	3,023.71	3/4	3,240.08	3/4	3,456.26	3/4		3/4		3/4		3/4		3/4	
5	2,589.71	5	2,811.86	5	3,028.22	5	3,244.59	5	3,460.72	5		5		5		5		5	
1/4	2,594.95	1/4	2,816.36	1/4	3,032.73	1/4	3,249.09	1/4	3,465.10	1/4		1/4		1/4		1/4		1/4	
1/2	2,600.20	1/2	2,820.87	1/2	3,037.24	1/2	3,253.60	1/2	3,469.48	1/2		1/2		1/2		1/2		1/2	
3/4	2,605.44	3/4	2,825.38	3/4	3,041.74	3/4	3,258.11	3/4	3,473.86	3/4		3/4		3/4		3/4		3/4	
6	2,610.69	6	2,829.89	6	3,046.25	6	3,262.62	6	3,478.24	6		6		6		6		6	
1/4	2,615.94	1/4	2,834.40	1/4	3,050.76	1/4	3,267.12	1/4	3,480.87	1/4		1/4		1/4		1/4		1/4	
1/2	2,621.18	1/2	2,838.90	1/2	3,055.27	1/2	3,271.63	1/2	3,483.50	1/2		1/2		1/2		1/2		1/2	
3/4	2,626.43	3/4	2,843.41	3/4	3,059.78	3/4	3,276.14	3/4	3,486.13	3/4		3/4		3/4		3/4		3/4	
7	2,631.67	7	2,847.92	7	3,064.28	7	3,280.65	7	3,488.76	7		7		7		7		7	
1/4	2,636.17	1/4	2,852.43	1/4	3,068.79	1/4	3,285.16	1/4	3,489.64	1/4		1/4		1/4		1/4		1/4	
1/2	2,640.66	1/2	2,856.93	1/2	3,073.30	1/2	3,289.66	1/2	3,490.51	1/2		1/2		1/2		1/2		1/2	
3/4	2,645.15	3/4	2,861.44	3/4	3,077.81	3/4	3,294.17	3/4	3,491.39	3/4		3/4		3/4		3/4		3/4	
8	2,649.64	8	2,865.95	8	3,082.31	8	3,298.68	8	3,492.26	8		8		8		8		8	
1/4	2,654.14	1/4	2,870.46	1/4	3,086.82	1/4	3,303.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,658.63	1/2	2,874.96	1/2	3,091.33	1/2	3,307.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,663.12	3/4	2,879.47	3/4	3,095.84	3/4	3,312.20	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,667.61	9	2,883.98	9	3,100.34	9	3,316.71	9		9		9		9		9		9	
1/4	2,672.12	1/4	2,888.49	1/4	3,104.85	1/4	3,321.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,676.63	1/2	2,892.99	1/2	3,109.36	1/2	3,325.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,681.14	3/4	2,897.50	3/4	3,113.87	3/4	3,330.23	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,685.64	10	2,902.01	10	3,118.37	10	3,334.74	10		10		10		10		10		10	
1/4	2,690.15	1/4	2,906.52	1/4	3,122.88	1/4	3,339.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,694.66	1/2	2,911.02	1/2	3,127.39	1/2	3,343.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,699.17	3/4	2,915.53	3/4	3,131.90	3/4	3,348.26	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,703.67	11	2,920.04	11	3,136.40	11	3,352.77	11		11		11		11		11		11	
1/4	2,708.18	1/4	2,924.55	1/4	3,140.91	1/4	3,357.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,712.69	1/2	2,929.05	1/2	3,145.42	1/2	3,361.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,717.20	3/4	2,933.56	3/4	3,149.93	3/4	3,366.29	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "E2MS 103"

2 CENTER
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.63	0	240.55	0	515.07	0	785.82	0	1,057.27	0	1,331.80	0	1,606.33	0	1,880.87	0	2,155.40	0	2,429.93
1/4	1.58	1/4	246.27	1/4	520.79	1/4	791.37	1/4	1,062.99	1/4	1,337.52	1/4	1,612.05	1/4	1,886.58	1/4	2,161.12	1/4	2,435.65
1/2	2.53	1/2	251.99	1/2	526.51	1/2	796.92	1/2	1,068.71	1/2	1,343.24	1/2	1,617.77	1/2	1,892.30	1/2	2,166.84	1/2	2,441.37
3/4	3.48	3/4	257.71	3/4	532.23	3/4	802.46	3/4	1,074.43	3/4	1,348.96	3/4	1,623.49	3/4	1,898.02	3/4	2,172.55	3/4	2,447.09
1	4.43	1	263.43	1	537.95	1	808.01	1	1,080.15	1	1,354.68	1	1,629.21	1	1,903.74	1	2,178.27	1	2,452.81
1/4	7.29	1/4	269.15	1/4	543.67	1/4	813.56	1/4	1,085.87	1/4	1,360.40	1/4	1,634.93	1/4	1,909.46	1/4	2,183.99	1/4	2,458.52
1/2	10.15	1/2	274.87	1/2	549.39	1/2	819.10	1/2	1,091.59	1/2	1,366.12	1/2	1,640.65	1/2	1,915.18	1/2	2,189.71	1/2	2,464.24
3/4	13.01	3/4	280.58	3/4	555.11	3/4	824.65	3/4	1,097.31	3/4	1,371.84	3/4	1,646.37	3/4	1,920.90	3/4	2,195.43	3/4	2,469.96
2	15.87	2	286.30	2	560.83	2	830.20	2	1,103.03	2	1,377.56	2	1,652.09	2	1,926.62	2	2,201.15	2	2,475.68
1/4	20.63	1/4	292.02	1/4	566.54	1/4	835.75	1/4	1,108.75	1/4	1,383.28	1/4	1,657.81	1/4	1,932.34	1/4	2,206.87	1/4	2,481.40
1/2	25.39	1/2	297.74	1/2	572.26	1/2	841.29	1/2	1,114.47	1/2	1,389.00	1/2	1,663.53	1/2	1,938.06	1/2	2,212.59	1/2	2,487.12
3/4	30.16	3/4	303.46	3/4	577.98	3/4	846.84	3/4	1,120.19	3/4	1,394.72	3/4	1,669.25	3/4	1,943.78	3/4	2,218.31	3/4	2,492.84
3	34.92	3	309.18	3	583.70	3	852.39	3	1,125.90	3	1,400.44	3	1,674.97	3	1,949.50	3	2,224.03	3	2,498.56
1/4	40.59	1/4	314.90	1/4	589.42	1/4	857.94	1/4	1,131.62	1/4	1,406.16	1/4	1,680.69	1/4	1,955.22	1/4	2,229.75	1/4	2,504.28
1/2	46.26	1/2	320.62	1/2	595.14	1/2	863.49	1/2	1,137.34	1/2	1,411.87	1/2	1,686.41	1/2	1,960.94	1/2	2,235.47	1/2	2,510.00
3/4	51.93	3/4	326.34	3/4	600.86	3/4	869.04	3/4	1,143.06	3/4	1,417.59	3/4	1,692.13	3/4	1,966.66	3/4	2,241.19	3/4	2,515.72
4	57.60	4	332.06	4	606.58	4	874.59	4	1,148.78	4	1,423.31	4	1,697.84	4	1,972.38	4	2,246.91	4	2,521.44
1/4	63.31	1/4	337.78	1/4	612.30	1/4	880.22	1/4	1,154.50	1/4	1,429.03	1/4	1,703.56	1/4	1,978.10	1/4	2,252.63	1/4	2,527.16
1/2	69.01	1/2	343.50	1/2	618.02	1/2	885.86	1/2	1,160.22	1/2	1,434.75	1/2	1,709.28	1/2	1,983.81	1/2	2,258.35	1/2	2,532.88
3/4	74.72	3/4	349.22	3/4	623.74	3/4	891.49	3/4	1,165.94	3/4	1,440.47	3/4	1,715.00	3/4	1,989.53	3/4	2,264.07	3/4	2,538.60
5	80.42	5	354.93	5	629.46	5	897.13	5	1,171.66	5	1,446.19	5	1,720.72	5	1,995.25	5	2,269.78	5	2,544.32
1/4	86.14	1/4	360.65	1/4	635.18	1/4	902.85	1/4	1,177.38	1/4	1,451.91	1/4	1,726.44	1/4	2,000.97	1/4	2,275.50	1/4	2,550.04
1/2	91.85	1/2	366.37	1/2	640.89	1/2	908.57	1/2	1,183.10	1/2	1,457.63	1/2	1,732.16	1/2	2,006.69	1/2	2,281.22	1/2	2,555.75
3/4	97.57	3/4	372.09	3/4	646.61	3/4	914.29	3/4	1,188.82	3/4	1,463.35	3/4	1,737.88	3/4	2,012.41	3/4	2,286.94	3/4	2,561.47
6	103.29	6	377.81	6	652.33	6	920.01	6	1,194.54	6	1,469.07	6	1,743.60	6	2,018.13	6	2,292.66	6	2,567.19
1/4	109.01	1/4	383.53	1/4	657.97	1/4	925.73	1/4	1,200.26	1/4	1,474.79	1/4	1,749.32	1/4	2,023.85	1/4	2,298.38	1/4	2,572.91
1/2	114.73	1/2	389.25	1/2	663.60	1/2	931.45	1/2	1,205.98	1/2	1,480.51	1/2	1,755.04	1/2	2,029.57	1/2	2,304.10	1/2	2,578.63
3/4	120.45	3/4	394.97	3/4	669.24	3/4	937.16	3/4	1,211.70	3/4	1,486.23	3/4	1,760.76	3/4	2,035.29	3/4	2,309.82	3/4	2,584.35
7	126.17	7	400.69	7	674.88	7	942.88	7	1,217.42	7	1,491.95	7	1,766.48	7	2,041.01	7	2,315.54	7	2,590.07
1/4	131.89	1/4	406.41	1/4	680.42	1/4	948.60	1/4	1,223.13	1/4	1,497.67	1/4	1,772.20	1/4	2,046.73	1/4	2,321.26	1/4	2,595.79
1/2	137.60	1/2	412.13	1/2	685.97	1/2	954.32	1/2	1,228.85	1/2	1,503.39	1/2	1,777.92	1/2	2,052.45	1/2	2,326.98	1/2	2,601.51
3/4	143.32	3/4	417.85	3/4	691.52	3/4	960.04	3/4	1,234.57	3/4	1,509.10	3/4	1,783.64	3/4	2,058.17	3/4	2,332.70	3/4	2,607.23
8	149.04	8	423.56	8	697.07	8	965.76	8	1,240.29	8	1,514.82	8	1,789.36	8	2,063.89	8	2,338.42	8	2,612.95
1/4	154.76	1/4	429.28	1/4	702.62	1/4	971.48	1/4	1,246.01	1/4	1,520.54	1/4	1,795.07	1/4	2,069.61	1/4	2,344.14	1/4	2,618.67
1/2	160.48	1/2	435.00	1/2	708.17	1/2	977.20	1/2	1,251.73	1/2	1,526.26	1/2	1,800.79	1/2	2,075.33	1/2	2,349.86	1/2	2,624.39
3/4	166.20	3/4	440.72	3/4	713.71	3/4	982.92	3/4	1,257.45	3/4	1,531.98	3/4	1,806.51	3/4	2,081.04	3/4	2,355.58	3/4	2,630.11
9	171.92	9	446.44	9	719.26	9	988.64	9	1,263.17	9	1,537.70	9	1,812.23	9	2,086.76	9	2,361.30	9	2,635.83
1/4	177.64	1/4	452.16	1/4	724.81	1/4	994.36	1/4	1,268.89	1/4	1,543.42	1/4	1,817.95	1/4	2,092.48	1/4	2,367.01	1/4	2,641.55
1/2	183.36	1/2	457.88	1/2	730.35	1/2	1,000.08	1/2	1,274.61	1/2	1,549.14	1/2	1,823.67	1/2	2,098.20	1/2	2,372.73	1/2	2,647.27
3/4	189.08	3/4	463.60	3/4	735.90	3/4	1,005.80	3/4	1,280.33	3/4	1,554.86	3/4	1,829.39	3/4	2,103.92	3/4	2,378.45	3/4	2,652.98
10	194.80	10	469.32	10	741.45	10	1,011.52	10	1,286.05	10	1,560.58	10	1,835.11	10	2,109.64	10	2,384.17	10	2,658.70
1/4	200.52	1/4	475.04	1/4	747.00	1/4	1,017.24	1/4	1,291.77	1/4	1,566.30	1/4	1,840.83	1/4	2,115.36	1/4	2,389.89	1/4	2,664.42
1/2	206.24	1/2	480.76	1/2	752.54	1/2	1,022.96	1/2	1,297.49	1/2	1,572.02	1/2	1,846.55	1/2	2,121.08	1/2	2,395.61	1/2	2,670.14
3/4	211.95	3/4	486.48	3/4	758.09	3/4	1,028.67	3/4	1,303.21	3/4	1,577.74	3/4	1,852.27	3/4	2,126.80	3/4	2,401.33	3/4	2,675.86
11	217.67	11	492.20	11	763.64	11	1,034.39	11	1,308.93	11	1,583.46	11	1,857.99	11	2,132.52	11	2,407.05	11	2,681.58
1/4	223.39	1/4	497.91	1/4	769.18	1/4	1,040.11	1/4	1,314.64	1/4	1,589.18	1/4	1,863.71	1/4	2,138.24	1/4	2,412.77	1/4	2,687.30
1/2	229.11	1/2	503.63	1/2	774.73	1/2	1,045.83	1/2	1,320.36	1/2	1,594.90	1/2	1,869.43	1/2	2,143.96	1/2	2,418.49	1/2	2,693.02
3/4	234.83	3/4	509.35	3/4	780.28	3/4	1,051.55	3/4	1,326.08	3/4	1,600.61	3/4	1,875.15	3/4	2,149.68	3/4	2,424.21	3/4	2,698.74

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD

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

BARGE "E2MS 103"

2 CENTER
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,704.46	0	2,978.99	0	3,253.52	0	3,528.05	0	3,802.58	0		0		0		0		0	
1/4	2,710.18	1/4	2,984.71	1/4	3,259.24	1/4	3,533.77	1/4	3,808.30	1/4		1/4		1/4		1/4		1/4	
1/2	2,715.90	1/2	2,990.43	1/2	3,264.96	1/2	3,539.49	1/2	3,814.02	1/2		1/2		1/2		1/2		1/2	
3/4	2,721.62	3/4	2,996.15	3/4	3,270.68	3/4	3,545.21	3/4	3,819.74	3/4		3/4		3/4		3/4		3/4	
1	2,727.34	1	3,001.87	1	3,276.40	1	3,550.93	1	3,825.46	1		1		1		1		1	
1/4	2,733.06	1/4	3,007.59	1/4	3,282.12	1/4	3,556.65	1/4	3,831.18	1/4		1/4		1/4		1/4		1/4	
1/2	2,738.78	1/2	3,013.31	1/2	3,287.84	1/2	3,562.37	1/2	3,836.90	1/2		1/2		1/2		1/2		1/2	
3/4	2,744.49	3/4	3,019.03	3/4	3,293.56	3/4	3,568.09	3/4	3,842.62	3/4		3/4		3/4		3/4		3/4	
2	2,750.21	2	3,024.75	2	3,299.28	2	3,573.81	2	3,848.34	2		2		2		2		2	
1/4	2,755.93	1/4	3,030.46	1/4	3,305.00	1/4	3,579.53	1/4	3,854.06	1/4		1/4		1/4		1/4		1/4	
1/2	2,761.65	1/2	3,036.18	1/2	3,310.72	1/2	3,585.25	1/2	3,859.78	1/2		1/2		1/2		1/2		1/2	
3/4	2,767.37	3/4	3,041.90	3/4	3,316.43	3/4	3,590.97	3/4	3,865.51	3/4		3/4		3/4		3/4		3/4	
3	2,773.09	3	3,047.62	3	3,322.15	3	3,596.69	3	3,871.23	3		3		3		3		3	
1/4	2,778.81	1/4	3,053.34	1/4	3,327.87	1/4	3,602.40	1/4	3,876.93	1/4		1/4		1/4		1/4		1/4	
1/2	2,784.53	1/2	3,059.06	1/2	3,333.59	1/2	3,608.12	1/2	3,882.64	1/2		1/2		1/2		1/2		1/2	
3/4	2,790.25	3/4	3,064.78	3/4	3,339.31	3/4	3,613.84	3/4	3,888.35	3/4		3/4		3/4		3/4		3/4	
4	2,795.97	4	3,070.50	4	3,345.03	4	3,619.56	4	3,894.05	4		4		4		4		4	
1/4	2,801.69	1/4	3,076.22	1/4	3,350.75	1/4	3,625.28	1/4	3,899.72	1/4		1/4		1/4		1/4		1/4	
1/2	2,807.41	1/2	3,081.94	1/2	3,356.47	1/2	3,631.00	1/2	3,905.39	1/2		1/2		1/2		1/2		1/2	
3/4	2,813.13	3/4	3,087.66	3/4	3,362.19	3/4	3,636.72	3/4	3,911.06	3/4		3/4		3/4		3/4		3/4	
5	2,818.85	5	3,093.38	5	3,367.91	5	3,642.44	5	3,916.73	5		5		5		5		5	
1/4	2,824.57	1/4	3,099.10	1/4	3,373.63	1/4	3,648.16	1/4	3,921.49	1/4		1/4		1/4		1/4		1/4	
1/2	2,830.29	1/2	3,104.82	1/2	3,379.35	1/2	3,653.88	1/2	3,926.26	1/2		1/2		1/2		1/2		1/2	
3/4	2,836.01	3/4	3,110.54	3/4	3,385.07	3/4	3,659.60	3/4	3,931.02	3/4		3/4		3/4		3/4		3/4	
6	2,841.72	6	3,116.26	6	3,390.79	6	3,665.32	6	3,935.78	6		6		6		6		6	
1/4	2,847.44	1/4	3,121.98	1/4	3,396.51	1/4	3,671.04	1/4	3,938.64	1/4		1/4		1/4		1/4		1/4	
1/2	2,853.16	1/2	3,127.69	1/2	3,402.23	1/2	3,676.76	1/2	3,941.50	1/2		1/2		1/2		1/2		1/2	
3/4	2,858.88	3/4	3,133.41	3/4	3,407.95	3/4	3,682.48	3/4	3,944.36	3/4		3/4		3/4		3/4		3/4	
7	2,864.60	7	3,139.13	7	3,413.66	7	3,688.20	7	3,947.22	7		7		7		7		7	
1/4	2,870.32	1/4	3,144.85	1/4	3,419.38	1/4	3,693.92	1/4	3,948.17	1/4		1/4		1/4		1/4		1/4	
1/2	2,876.04	1/2	3,150.57	1/2	3,425.10	1/2	3,699.63	1/2	3,949.12	1/2		1/2		1/2		1/2		1/2	
3/4	2,881.76	3/4	3,156.29	3/4	3,430.82	3/4	3,705.35	3/4	3,950.08	3/4		3/4		3/4		3/4		3/4	
8	2,887.48	8	3,162.01	8	3,436.54	8	3,711.07	8	3,951.03	8		8		8		8		8	
1/4	2,893.20	1/4	3,167.73	1/4	3,442.26	1/4	3,716.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,898.92	1/2	3,173.45	1/2	3,447.98	1/2	3,722.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,904.64	3/4	3,179.17	3/4	3,453.70	3/4	3,728.23	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,910.36	9	3,184.89	9	3,459.42	9	3,733.95	9		9		9		9		9		9	
1/4	2,916.08	1/4	3,190.61	1/4	3,465.14	1/4	3,739.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,921.80	1/2	3,196.33	1/2	3,470.86	1/2	3,745.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,927.52	3/4	3,202.05	3/4	3,476.58	3/4	3,751.11	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,933.24	10	3,207.77	10	3,482.30	10	3,756.83	10		10		10		10		10		10	
1/4	2,938.95	1/4	3,213.49	1/4	3,488.02	1/4	3,762.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,944.67	1/2	3,219.21	1/2	3,493.74	1/2	3,768.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,950.39	3/4	3,224.92	3/4	3,499.46	3/4	3,773.99	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,956.11	11	3,230.64	11	3,505.18	11	3,779.71	11		11		11		11		11		11	
1/4	2,961.83	1/4	3,236.36	1/4	3,510.89	1/4	3,785.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,967.55	1/2	3,242.08	1/2	3,516.61	1/2	3,791.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,973.27	3/4	3,247.80	3/4	3,522.33	3/4	3,796.86	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "E2MS 103"

3 CENTER
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.63	0	211.85	0	453.53	0	694.89	0	936.33	0	1,178.03	0	1,419.72	0	1,661.42	0	1,903.11	0	2,144.80
1/4	1.46	1/4	216.88	1/4	458.56	1/4	699.91	1/4	941.37	1/4	1,183.06	1/4	1,424.76	1/4	1,666.45	1/4	1,908.15	1/4	2,149.84
1/2	2.30	1/2	221.92	1/2	463.60	1/2	704.93	1/2	946.40	1/2	1,188.10	1/2	1,429.79	1/2	1,671.49	1/2	1,913.18	1/2	2,154.88
3/4	3.14	3/4	226.95	3/4	468.63	3/4	709.95	3/4	951.44	3/4	1,193.13	3/4	1,434.83	3/4	1,676.52	3/4	1,918.22	3/4	2,159.91
1	3.98	1	231.99	1	473.67	1	714.97	1	956.47	1	1,198.17	1	1,439.86	1	1,681.56	1	1,923.25	1	2,164.95
1/4	6.49	1/4	237.02	1/4	478.70	1/4	719.99	1/4	961.51	1/4	1,203.20	1/4	1,444.90	1/4	1,686.59	1/4	1,928.29	1/4	2,169.98
1/2	9.01	1/2	242.06	1/2	483.74	1/2	725.01	1/2	966.54	1/2	1,208.24	1/2	1,449.93	1/2	1,691.63	1/2	1,933.32	1/2	2,175.02
3/4	11.53	3/4	247.09	3/4	488.77	3/4	730.03	3/4	971.58	3/4	1,213.27	3/4	1,454.97	3/4	1,696.66	3/4	1,938.36	3/4	2,180.05
2	14.04	2	252.13	2	493.81	2	735.05	2	976.62	2	1,218.31	2	1,460.00	2	1,701.70	2	1,943.39	2	2,185.09
1/4	18.24	1/4	257.16	1/4	498.84	1/4	740.07	1/4	981.65	1/4	1,223.34	1/4	1,465.04	1/4	1,706.73	1/4	1,948.43	1/4	2,190.12
1/2	22.43	1/2	262.20	1/2	503.88	1/2	745.09	1/2	986.69	1/2	1,228.38	1/2	1,470.07	1/2	1,711.77	1/2	1,953.46	1/2	2,195.16
3/4	26.62	3/4	267.23	3/4	508.91	3/4	750.11	3/4	991.72	3/4	1,233.42	3/4	1,475.11	3/4	1,716.80	3/4	1,958.50	3/4	2,200.19
3	30.82	3	272.27	3	513.95	3	755.13	3	996.76	3	1,238.45	3	1,480.15	3	1,721.84	3	1,963.53	3	2,205.23
1/4	35.81	1/4	277.30	1/4	518.98	1/4	760.15	1/4	1,001.79	1/4	1,243.49	1/4	1,485.18	1/4	1,726.87	1/4	1,968.57	1/4	2,210.26
1/2	40.80	1/2	282.34	1/2	524.02	1/2	765.18	1/2	1,006.83	1/2	1,248.52	1/2	1,490.22	1/2	1,731.91	1/2	1,973.60	1/2	2,215.30
3/4	45.79	3/4	287.37	3/4	529.05	3/4	770.20	3/4	1,011.86	3/4	1,253.56	3/4	1,495.25	3/4	1,736.95	3/4	1,978.64	3/4	2,220.33
4	50.78	4	292.41	4	534.09	4	775.22	4	1,016.90	4	1,258.59	4	1,500.29	4	1,741.98	4	1,983.68	4	2,225.37
1/4	55.81	1/4	297.44	1/4	539.12	1/4	780.25	1/4	1,021.93	1/4	1,263.63	1/4	1,505.32	1/4	1,747.02	1/4	1,988.71	1/4	2,230.40
1/2	60.83	1/2	302.48	1/2	544.16	1/2	785.28	1/2	1,026.97	1/2	1,268.66	1/2	1,510.36	1/2	1,752.05	1/2	1,993.75	1/2	2,235.44
3/4	65.85	3/4	307.51	3/4	549.19	3/4	790.31	3/4	1,032.00	3/4	1,273.70	3/4	1,515.39	3/4	1,757.09	3/4	1,998.78	3/4	2,240.48
5	70.87	5	312.55	5	554.23	5	795.34	5	1,037.04	5	1,278.73	5	1,520.43	5	1,762.12	5	2,003.82	5	2,245.51
1/4	75.91	1/4	317.58	1/4	559.26	1/4	800.38	1/4	1,042.07	1/4	1,283.77	1/4	1,525.46	1/4	1,767.16	1/4	2,008.85	1/4	2,250.55
1/2	80.94	1/2	322.62	1/2	564.30	1/2	805.41	1/2	1,047.11	1/2	1,288.80	1/2	1,530.50	1/2	1,772.19	1/2	2,013.89	1/2	2,255.58
3/4	85.97	3/4	327.65	3/4	569.33	3/4	810.45	3/4	1,052.14	3/4	1,293.84	3/4	1,535.53	3/4	1,777.23	3/4	2,018.92	3/4	2,260.62
6	91.01	6	332.69	6	574.37	6	815.49	6	1,057.18	6	1,298.87	6	1,540.57	6	1,782.26	6	2,023.96	6	2,265.65
1/4	96.04	1/4	337.72	1/4	579.40	1/4	820.52	1/4	1,062.22	1/4	1,303.91	1/4	1,545.60	1/4	1,787.30	1/4	2,028.99	1/4	2,270.69
1/2	101.08	1/2	342.76	1/2	584.43	1/2	825.56	1/2	1,067.25	1/2	1,308.94	1/2	1,550.64	1/2	1,792.33	1/2	2,034.03	1/2	2,275.72
3/4	106.11	3/4	347.79	3/4	589.46	3/4	830.59	3/4	1,072.29	3/4	1,313.98	3/4	1,555.67	3/4	1,797.37	3/4	2,039.06	3/4	2,280.76
7	111.15	7	352.83	7	594.49	7	835.63	7	1,077.32	7	1,319.02	7	1,560.71	7	1,802.40	7	2,044.10	7	2,285.79
1/4	116.18	1/4	357.86	1/4	599.51	1/4	840.66	1/4	1,082.36	1/4	1,324.05	1/4	1,565.75	1/4	1,807.44	1/4	2,049.13	1/4	2,290.83
1/2	121.22	1/2	362.90	1/2	604.53	1/2	845.70	1/2	1,087.39	1/2	1,329.09	1/2	1,570.78	1/2	1,812.47	1/2	2,054.17	1/2	2,295.86
3/4	126.25	3/4	367.93	3/4	609.56	3/4	850.73	3/4	1,092.43	3/4	1,334.12	3/4	1,575.82	3/4	1,817.51	3/4	2,059.20	3/4	2,300.90
8	131.29	8	372.97	8	614.58	8	855.77	8	1,097.46	8	1,339.16	8	1,580.85	8	1,822.55	8	2,064.24	8	2,305.93
1/4	136.32	1/4	378.00	1/4	619.60	1/4	860.80	1/4	1,102.50	1/4	1,344.19	1/4	1,585.89	1/4	1,827.58	1/4	2,069.28	1/4	2,310.97
1/2	141.36	1/2	383.04	1/2	624.62	1/2	865.84	1/2	1,107.53	1/2	1,349.23	1/2	1,590.92	1/2	1,832.62	1/2	2,074.31	1/2	2,316.00
3/4	146.39	3/4	388.07	3/4	629.64	3/4	870.87	3/4	1,112.57	3/4	1,354.26	3/4	1,595.96	3/4	1,837.65	3/4	2,079.35	3/4	2,321.04
9	151.43	9	393.11	9	634.66	9	875.91	9	1,117.60	9	1,359.30	9	1,600.99	9	1,842.69	9	2,084.38	9	2,326.08
1/4	156.46	1/4	398.14	1/4	639.68	1/4	880.94	1/4	1,122.64	1/4	1,364.33	1/4	1,606.03	1/4	1,847.72	1/4	2,089.42	1/4	2,331.11
1/2	161.50	1/2	403.18	1/2	644.70	1/2	885.98	1/2	1,127.67	1/2	1,369.37	1/2	1,611.06	1/2	1,852.76	1/2	2,094.45	1/2	2,336.15
3/4	166.53	3/4	408.21	3/4	649.72	3/4	891.02	3/4	1,132.71	3/4	1,374.40	3/4	1,616.10	3/4	1,857.79	3/4	2,099.49	3/4	2,341.18
10	171.57	10	413.25	10	654.74	10	896.05	10	1,137.74	10	1,379.44	10	1,621.13	10	1,862.83	10	2,104.52	10	2,346.22
1/4	176.60	1/4	418.28	1/4	659.76	1/4	901.09	1/4	1,142.78	1/4	1,384.47	1/4	1,626.17	1/4	1,867.86	1/4	2,109.56	1/4	2,351.25
1/2	181.64	1/2	423.32	1/2	664.78	1/2	906.12	1/2	1,147.82	1/2	1,389.51	1/2	1,631.20	1/2	1,872.90	1/2	2,114.59	1/2	2,356.29
3/4	186.67	3/4	428.35	3/4	669.80	3/4	911.16	3/4	1,152.85	3/4	1,394.55	3/4	1,636.24	3/4	1,877.93	3/4	2,119.63	3/4	2,361.32
11	191.71	11	433.39	11	674.82	11	916.19	11	1,157.89	11	1,399.58	11	1,641.27	11	1,882.97	11	2,124.66	11	2,366.36
1/4	196.74	1/4	438.42	1/4	679.84	1/4	921.23	1/4	1,162.92	1/4	1,404.62	1/4	1,646.31	1/4	1,888.00	1/4	2,129.70	1/4	2,371.39
1/2	201.78	1/2	443.46	1/2	684.85	1/2	926.26	1/2	1,167.96	1/2	1,409.65	1/2	1,651.35	1/2	1,893.04	1/2	2,134.73	1/2	2,376.43
3/4	206.81	3/4	448.49	3/4	689.87	3/4	931.30	3/4	1,172.99	3/4	1,414.69	3/4	1,656.38	3/4	1,898.08	3/4	2,139.77	3/4	2,381.46

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD

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

BARGE "E2MS 103"

3 CENTER
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,386.50	0	2,628.19	0	2,869.89	0	3,111.58	0	3,353.28	0		0		0		0		0	
1/4	2,391.53	1/4	2,633.23	1/4	2,874.92	1/4	3,116.62	1/4	3,358.31	1/4		1/4		1/4		1/4		1/4	
1/2	2,396.57	1/2	2,638.26	1/2	2,879.96	1/2	3,121.65	1/2	3,363.35	1/2		1/2		1/2		1/2		1/2	
3/4	2,401.61	3/4	2,643.30	3/4	2,884.99	3/4	3,126.69	3/4	3,368.38	3/4		3/4		3/4		3/4		3/4	
1	2,406.64	1	2,648.33	1	2,890.03	1	3,131.72	1	3,373.42	1		1		1		1		1	
1/4	2,411.68	1/4	2,653.37	1/4	2,895.06	1/4	3,136.76	1/4	3,378.45	1/4		1/4		1/4		1/4		1/4	
1/2	2,416.71	1/2	2,658.41	1/2	2,900.10	1/2	3,141.79	1/2	3,383.49	1/2		1/2		1/2		1/2		1/2	
3/4	2,421.75	3/4	2,663.44	3/4	2,905.14	3/4	3,146.83	3/4	3,388.52	3/4		3/4		3/4		3/4		3/4	
2	2,426.78	2	2,668.48	2	2,910.17	2	3,151.86	2	3,393.56	2		2		2		2		2	
1/4	2,431.82	1/4	2,673.51	1/4	2,915.21	1/4	3,156.90	1/4	3,398.58	1/4		1/4		1/4		1/4		1/4	
1/2	2,436.85	1/2	2,678.55	1/2	2,920.24	1/2	3,161.94	1/2	3,403.61	1/2		1/2		1/2		1/2		1/2	
3/4	2,441.89	3/4	2,683.58	3/4	2,925.28	3/4	3,166.97	3/4	3,408.63	3/4		3/4		3/4		3/4		3/4	
3	2,446.92	3	2,688.62	3	2,930.31	3	3,172.01	3	3,413.66	3		3		3		3		3	
1/4	2,451.96	1/4	2,693.65	1/4	2,935.35	1/4	3,177.04	1/4	3,418.68	1/4		1/4		1/4		1/4		1/4	
1/2	2,456.99	1/2	2,698.69	1/2	2,940.38	1/2	3,182.08	1/2	3,423.70	1/2		1/2		1/2		1/2		1/2	
3/4	2,462.03	3/4	2,703.72	3/4	2,945.42	3/4	3,187.11	3/4	3,428.73	3/4		3/4		3/4		3/4		3/4	
4	2,467.06	4	2,708.76	4	2,950.45	4	3,192.15	4	3,433.75	4		4		4		4		4	
1/4	2,472.10	1/4	2,713.79	1/4	2,955.49	1/4	3,197.18	1/4	3,438.74	1/4		1/4		1/4		1/4		1/4	
1/2	2,477.13	1/2	2,718.83	1/2	2,960.52	1/2	3,202.22	1/2	3,443.73	1/2		1/2		1/2		1/2		1/2	
3/4	2,482.17	3/4	2,723.86	3/4	2,965.56	3/4	3,207.25	3/4	3,448.72	3/4		3/4		3/4		3/4		3/4	
5	2,487.21	5	2,728.90	5	2,970.59	5	3,212.29	5	3,453.72	5		5		5		5		5	
1/4	2,492.24	1/4	2,733.93	1/4	2,975.63	1/4	3,217.32	1/4	3,457.91	1/4		1/4		1/4		1/4		1/4	
1/2	2,497.28	1/2	2,738.97	1/2	2,980.66	1/2	3,222.36	1/2	3,462.10	1/2		1/2		1/2		1/2		1/2	
3/4	2,502.31	3/4	2,744.01	3/4	2,985.70	3/4	3,227.39	3/4	3,466.30	3/4		3/4		3/4		3/4		3/4	
6	2,507.35	6	2,749.04	6	2,990.74	6	3,232.43	6	3,470.49	6		6		6		6		6	
1/4	2,512.38	1/4	2,754.08	1/4	2,995.77	1/4	3,237.46	1/4	3,473.01	1/4		1/4		1/4		1/4		1/4	
1/2	2,517.42	1/2	2,759.11	1/2	3,000.81	1/2	3,242.50	1/2	3,475.52	1/2		1/2		1/2		1/2		1/2	
3/4	2,522.45	3/4	2,764.15	3/4	3,005.84	3/4	3,247.54	3/4	3,478.04	3/4		3/4		3/4		3/4		3/4	
7	2,527.49	7	2,769.18	7	3,010.88	7	3,252.57	7	3,480.56	7		7		7		7		7	
1/4	2,532.52	1/4	2,774.22	1/4	3,015.91	1/4	3,257.61	1/4	3,481.40	1/4		1/4		1/4		1/4		1/4	
1/2	2,537.56	1/2	2,779.25	1/2	3,020.95	1/2	3,262.64	1/2	3,482.23	1/2		1/2		1/2		1/2		1/2	
3/4	2,542.59	3/4	2,784.29	3/4	3,025.98	3/4	3,267.68	3/4	3,483.07	3/4		3/4		3/4		3/4		3/4	
8	2,547.63	8	2,789.32	8	3,031.02	8	3,272.71	8	3,483.91	8		8		8		8		8	
1/4	2,552.66	1/4	2,794.36	1/4	3,036.05	1/4	3,277.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,557.70	1/2	2,799.39	1/2	3,041.09	1/2	3,282.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,562.73	3/4	2,804.43	3/4	3,046.12	3/4	3,287.82	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,567.77	9	2,809.46	9	3,051.16	9	3,292.85	9		9		9		9		9		9	
1/4	2,572.81	1/4	2,814.50	1/4	3,056.19	1/4	3,297.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,577.84	1/2	2,819.53	1/2	3,061.23	1/2	3,302.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,582.88	3/4	2,824.57	3/4	3,066.26	3/4	3,307.96	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,587.91	10	2,829.61	10	3,071.30	10	3,312.99	10		10		10		10		10		10	
1/4	2,592.95	1/4	2,834.64	1/4	3,076.34	1/4	3,318.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,597.98	1/2	2,839.68	1/2	3,081.37	1/2	3,323.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,603.02	3/4	2,844.71	3/4	3,086.41	3/4	3,328.10	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,608.05	11	2,849.75	11	3,091.44	11	3,333.14	11		11		11		11		11		11	
1/4	2,613.09	1/4	2,854.78	1/4	3,096.48	1/4	3,338.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,618.12	1/2	2,859.82	1/2	3,101.51	1/2	3,343.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,623.16	3/4	2,864.85	3/4	3,106.55	3/4	3,348.24	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2018

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

BARGE "E2MS 103"

FUEL TANK
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-00"

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	84	0	209	0	319	0		0		0		0		0		0	
1/4	1	1/4	86	1/4	211	1/4	321	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	89	1/2	214	1/2	322	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	91	3/4	216	3/4	324	3/4		3/4		3/4		3/4		3/4		3/4	
1	2	1	93	1	219	1	326	1		1		1		1		1		1	
1/4	3	1/4	96	1/4	222	1/4	327	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4	1/2	98	1/2	224	1/2	329	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	5	3/4	101	3/4	227	3/4	330	3/4		3/4		3/4		3/4		3/4		3/4	
2	6	2	103	2	229	2	332	2		2		2		2		2		2	
1/4	7	1/4	106	1/4	232	1/4	333	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	9	1/2	109	1/2	234	1/2	334	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	10	3/4	111	3/4	237	3/4	335	3/4		3/4		3/4		3/4		3/4		3/4	
3	11	3	114	3	240	3	337	3		3		3		3		3		3	
1/4	13	1/4	116	1/4	242	1/4	338	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	14	1/2	119	1/2	245	1/2	339	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	16	3/4	121	3/4	247	3/4	340	3/4		3/4		3/4		3/4		3/4		3/4	
4	17	4	124	4	250	4	341	4		4		4		4		4		4	
1/4	19	1/4	127	1/4	252	1/4	341	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	129	1/2	254	1/2	342	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	22	3/4	132	3/4	257	3/4	342	3/4		3/4		3/4		3/4		3/4		3/4	
5	24	5	134	5	259	5	343	5		5		5		5		5		5	
1/4	26	1/4	137	1/4	262	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	27	1/2	140	1/2	264	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	29	3/4	142	3/4	266	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	31	6	145	6	269	6		6		6		6		6		6		6	
1/4	33	1/4	148	1/4	271	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	35	1/2	150	1/2	274	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	37	3/4	153	3/4	276	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	39	7	156	7	278	7		7		7		7		7		7		7	
1/4	41	1/4	158	1/4	280	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	43	1/2	161	1/2	283	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	45	3/4	163	3/4	285	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	47	8	166	8	287	8		8		8		8		8		8		8	
1/4	49	1/4	169	1/4	289	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	171	1/2	291	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	174	3/4	294	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	56	9	177	9	296	9		9		9		9		9		9		9	
1/4	58	1/4	179	1/4	298	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	60	1/2	182	1/2	300	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	62	3/4	185	3/4	302	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	65	10	187	10	304	10		10		10		10		10		10		10	
1/4	67	1/4	190	1/4	306	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	69	1/2	193	1/2	308	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	72	3/4	195	3/4	310	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	74	11	198	11	312	11		11		11		11		11		11		11	
1/4	76	1/4	201	1/4	314	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	79	1/2	203	1/2	315	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	81	3/4	206	3/4	317	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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