BARGE "MMI 3051"

ULLAGE TRIM TABLE
(HERMETIC)

	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	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-7/8	- 01-7/8	02-1/4	- 02-1/4
1 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-7/8	- 01-7/8	02-1/4	- 02-1/4
2 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-3/8	- 02-3/8
2 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-3/8	- 02-3/8
3 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-2/8	- 01-2/8	01-1/2	- 01-1/2
3 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-2/8	- 01-2/8	01-1/2	- 01-1/2
4 PORT	00-3/4	- 00-3/4	01-1/2	- 01-1/2	02-1/2	- 02-1/2	03-1/8	- 03-1/8	03-7/8	- 03-7/8	04-5/8	- 04-5/8
4 STBD	00-3/4	- 00-3/4	01-1/2	- 01-1/2	02-1/2	- 02-1/2	03-1/8	- 03-1/8	03-7/8	- 03-7/8	04-5/8	- 04-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-3/4"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/4"

LENGTH BETWEEN DRAFT MARKS 278'-03"

May 31, 2024

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

http://www.pmacorp.net

BARGE "MMI 3051"

1 PORT

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,199.29	0	2,958.89	0	2,704.29	0	2,449.70	0	2,195.11	0	1,940.52	0	1,685.93
1/4		1/4		1/4		1/4	3,196.28	1/4	2,953.58	1/4	2,698.99	1/4	2,444.40	1/4	2,189.81	1/4	1,935.21	1/4	1,680.62
1/2		1/2		1/2		1/2	3,193.28	1/2	2,948.28	1/2	2,693.68	1/2	2,439.09	1/2	2,184.50	1/2	1,929.91	1/2	1,675.32
3/4		3/4		3/4		3/4	3,190.27	3/4	2,942.98	3/4	2,688.38	3/4	2,433.79	3/4	2,179.20	3/4	1,924.61	3/4	1,670.02
1		1		1		1	3,186.34	1	2,937.67	1	2,683.08	1	2,428.49	1	2,173.89	1	1,919.30	1	1,664.71
1/4		1/4		1/4		1/4	3,182.41	1/4	2,932.37	1/4	2,677.77	1/4	2,423.18	1/4	2,168.59	1/4	1,914.00	1/4	1,659.41
1/2		1/2		1/2		1/2	3,178.48	1/2	2,927.06	1/2	2,672.47	1/2	2,417.88	1/2	2,163.28	1/2	1,908.69	1/2	1,654.10
3/4		3/4		3/4		3/4	3,174.55	3/4	2,921.76	3/4	2,667.17	3/4	2,412.58	3/4	2,157.98	3/4	1,903.39	3/4	1,648.80
2		2		2		2	3,169.70	2	2,916.45	2	2,661.86	2	2,407.27	2	2,152.68	2	1,898.09	2	1,643.49
1/4		1/4		1/4		1/4	3,164.84	1/4	2,911.15	1/4	2,656.56	1/4	2,401.97	1/4	2,147.37	1/4	1,892.78	1/4	1,638.19
1/2		1/2		1/2		1/2	3,159.99	1/2	2,905.84	1/2	2,651.25	1/2	2,396.66	1/2	2,142.07	1/2	1,887.48	1/2	1,632.88
3/4		3/4		3/4		3/4	3,155.14	3/4	2,900.54	3/4	2,645.95	3/4	2,391.36	3/4	2,136.77	3/4	1,882.18	3/4	1,627.58
3		3		3		3	3,149.83	3	2,895.24	3	2,640.65	3	2,386.05	3	2,131.46	3	1,876.87	3	1,622.28
1/4		1/4		1/4		1/4	3,144.53	1/4	2,889.93	1/4	2,635.34	1/4	2,380.75	1/4	2,126.16	1/4	1,871.57	1/4	1,616.97
1/2		1/2		1/2		1/2	3,139.22	1/2	2,884.63	1/2	2,630.04	1/2	2,375.44	1/2	2,120.85	1/2	1,866.26	1/2	1,611.67
3/4		3/4		3/4		3/4	3,133.92	3/4	2,879.33	3/4	2,624.74	3/4	2,370.14	3/4	2,115.55	3/4	1,860.96	3/4	1,606.37
4		4		4		4	3,128.61	4	2,874.02	4	2,619.43	4	2,364.84	4	2,110.25	4	1,855.65	4	1,601.06
1/4		1/4		1/4		1/4	3,123.31	1/4	2,868.72	1/4	2,614.13	1/4	2,359.53	1/4	2,104.94	1/4	1,850.35	1/4	1,595.76
1/2		1/2		1/2		1/2	3,118.00	1/2	2,863.41	1/2	2,608.82	1/2	2,354.23	1/2	2,099.64	1/2	1,845.04	1/2	1,590.45
3/4		3/4		3/4		3/4	3,112.70	3/4	2,858.11	3/4	2,603.52	3/4	2,348.93	3/4	2,094.34	3/4	1,839.74	3/4	1,585.15
5		5		5		5	3,107.40	5	2,852.81	5	2,598.21	5	2,343.62	5	2,089.03	5	1,834.44	5	1,579.85
1/4		1/4		1/4		1/4	3,102.09	1/4	2,847.50	1/4	2,592.91	1/4	2,338.32	1/4	2,083.73	1/4	1,829.13	1/4	1,574.54
1/2		1/2		1/2		1/2	3,096.79	1/2	2,842.20	1/2	2,587.60	1/2	2,333.01	1/2	2,078.42	1/2	1,823.83	1/2	1,569.24
3/4		3/4		3/4		3/4	3,091.49	3/4	2,836.90	3/4	2,582.30	3/4	2,327.71	3/4	2,073.12	3/4	1,818.53	3/4	1,563.94
6		6		6		6	3,086.18	6	2,831.59	6	2,577.00	6	2,322.41	6	2,067.81	6	1,813.22	6	1,558.63
1/4		1/4		1/4		1/4	3,080.88	1/4	2,826.29	1/4	2,571.69	1/4	2,317.10	1/4	2,062.51	1/4	1,807.92	1/4	1,553.33
1/2		1/2		1/2		1/2	3,075.57	1/2	2,820.98	1/2	2,566.39	1/2	2,311.80	1/2	2,057.20	1/2	1,802.61	1/2	1,548.02
3/4		3/4		3/4		3/4	3,070.27	3/4	2,815.68	3/4	2,561.09	3/4	2,306.50	3/4	2,051.90	3/4	1,797.31	3/4	1,542.72
7		7		7		7	3,064.97	7	2,810.37	7	2,555.78	7	2,301.19	7	2,046.60	7	1,792.01	7	1,537.41
1/4		1/4		1/4		1/4	3,059.66	1/4	2,805.07	1/4	2,550.48	1/4	2,295.89	1/4	2,041.29	1/4	1,786.70	1/4	1,532.11
1/2		1/2		1/2		1/2	3,054.36	1/2	2,799.76	1/2	2,545.17	1/2	2,290.58	1/2	2,035.99	1/2	1,781.40	1/2	1,526.80
3/4		3/4		3/4		3/4	3,049.06	3/4	2,794.46	3/4	2,539.87	3/4	2,285.28	3/4	2,030.69	3/4	1,776.10	3/4	1,521.50
8		8		8		8	3,043.75	8	2,789.16	8	2,534.57	8	2,279.97	8	2,025.38	8	1,770.79	8	1,516.20
1/4		1/4		1/4		1/4	3,038.45	1/4	2,783.85	1/4	2,529.26	1/4	2,274.67	1/4	2,020.08	1/4	1,765.49	1/4	1,510.89
1/2		1/2		1/2		1/2	3,033.14	1/2	2,778.55	1/2	2,523.96	1/2	2,269.36	1/2	2,014.77	1/2	1,760.18	1/2	1,505.59
3/4		3/4		3/4		3/4	3,027.84	3/4	2,773.25	3/4	2,518.66	3/4	2,264.06	3/4	2,009.47	3/4	1,754.88	3/4	1,500.29
9		9		9		9	3,022.53	9	2,767.94	9	2,513.35	9	2,258.76	9	2,004.17	9	1,749.57	9	1,494.98
1/4		1/4		1/4		1/4	3,017.23	1/4	2,762.64	1/4	2,508.05	1/4	2,253.45	1/4	1,998.86	1/4	1,744.27	1/4	1,489.68
1/2		1/2		1/2		1/2	3,011.92	1/2	2,757.33	1/2	2,502.74	1/2	2,248.15	1/2	1,993.56	1/2	1,738.96	1/2	1,484.37
3/4		3/4		3/4		3/4	3,006.62	3/4	2,752.03	3/4	2,497.44	3/4	2,242.85	3/4	1,988.26	3/4	1,733.66	3/4	1,479.07
10		10		10		10	3,001.32	10	2,746.73	10	2,492.13	10	2,237.54	10	1,982.95	10	1,728.36	10	1,473.77
1/4		1/4		1/4		1/4	2,996.01	1/4	2,741.42	1/4	2,486.83	1/4	2,232.24	1/4	1,977.65	1/4	1,723.05	1/4	1,468.46
1/2		1/2		1/2		1/2	2,990.71	1/2	2,736.12	1/2	2,481.52	1/2	2,226.93	1/2	1,972.34	1/2	1,717.75	1/2	1,463.16
3/4		3/4		3/4		3/4	2,985.41	3/4	2,730.82	3/4	2,476.22	3/4	2,221.63	3/4	1,967.04	3/4	1,712.45	3/4	1,457.86
11		11		11		11	2,980.10	11	2,725.51	11	2,470.92	11	2,216.33	11	1,961.73	11	1,707.14	11	1,452.55
1/4		1/4		1/4		1/4	2,974.80	1/4	2,720.21	1/4	2,465.61	1/4	2,211.02	1/4	1,956.43	1/4	1,701.84	1/4	1,447.25
1/2		1/2		1/2		1/2	2,969.49	1/2	2,714.90	1/2	2,460.31	1/2	2,205.72	1/2	1,951.12	1/2	1,696.53	1/2	1,441.94
3/4		3/4		3/4		3/4	2,964.19	3/4	2,709.60	3/4	2,455.01	3/4	2,200.42	3/4	1,945.82	3/4	1,691.23	3/4	1,436.64

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "MMI 3051"

1 PORT

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,431.33	0	1,176.74	0	922.37	0	668.49	0	413.32	0	159.96	0		0		0		0	
1/4	1,426.03	1/4	1,171.44	1/4	917.09	1/4	663.18	1/4	408.01	1/4	154.82	1/4		1/4		1/4		1/4	
1/2	1,420.72	1/2	1,166.13	1/2	911.81	1/2	657.86	1/2	402.69	1/2	149.69	1/2		1/2		1/2		1/2	
3/4	1,415.42	3/4	1,160.83	3/4	906.53	3/4	652.55	3/4	397.38	3/4	144.55	3/4		3/4		3/4		3/4	
1	1,410.12	1	1,155.53	1	901.25	1	647.23	1	392.06	1	139.41	1		1		1		1	
1/4	1,404.81	1/4	1,150.22	1/4	895.96	1/4	641.91	1/4	386.75	1/4	134.28	1/4		1/4		1/4		1/4	
1/2	1,399.51	1/2	1,144.92	1/2	890.68	1/2	636.60	1/2	381.43	1/2	129.14	1/2		1/2		1/2		1/2	
3/4	1,394.21	3/4	1,139.62	3/4	885.40	3/4	631.28	3/4	376.12	3/4	124.01	3/4		3/4		3/4		3/4	
2	1,388.90	2	1,134.31	2	880.12	2	625.96	2	370.80	2	118.87	2		2		2		2	
1/4	1,383.60	1/4	1,129.01	1/4	874.83	1/4	620.65	1/4	365.48	1/4	113.73	1/4		1/4		1/4		1/4	
1/2	1,378.29	1/2	1,123.70	1/2	869.55	1/2	615.33	1/2	360.17	1/2	108.60	1/2		1/2		1/2		1/2	
3/4	1,372.99	3/4	1,118.40	3/4	864.27	3/4	610.02	3/4	354.85	3/4	103.46	3/4		3/4		3/4		3/4	
3	1,367.69	3	1,113.09	3	858.99	3	604.70	3	349.53	3	98.28	3		3		3		3	
1/4	1,362.38	1/4	1,107.79	1/4	853.70	1/4	599.39	1/4	344.22	1/4	93.10	1/4		1/4		1/4		1/4	
1/2	1,357.08	1/2	1,102.48	1/2	848.42	1/2	594.07	1/2	338.90	1/2	87.92	1/2		1/2		1/2		1/2	
3/4	1,351.78	3/4	1,097.18	3/4	843.14	3/4	588.76	3/4	333.59	3/4	82.74	3/4		3/4		3/4		3/4	
4	1,346.47	4	1,091.88	4	837.86	4	583.44	4	328.27	4	77.42	4		4		4		4	
1/4	1,341.17	1/4	1,086.57	1/4	832.57	1/4	578.12	1/4	322.95	1/4	72.11	1/4		1/4		1/4		1/4	
1/2	1,335.86	1/2	1,081.27	1/2	827.29	1/2	572.81	1/2	317.64	1/2	66.79	1/2		1/2		1/2		1/2	
3/4	1,330.56	3/4	1,075.97	3/4	822.01	3/4	567.49	3/4	312.32	3/4	61.48	3/4		3/4		3/4		3/4	
5	1,325.25	5	1,070.66	5	816.73	5	562.17	5	307.00	5	56.16	5		5		5		5	
1/4	1,319.95	1/4	1,065.36	1/4	811.45	1/4	556.86	1/4	301.69	1/4	50.84	1/4		1/4		1/4		1/4	
1/2	1,314.64	1/2	1,060.05	1/2	806.17	1/2	551.54	1/2	296.37	1/2	45.53	1/2		1/2		1/2		1/2	
3/4	1,309.34	3/4	1,054.75	3/4	800.89	3/4	546.23	3/4	291.06	3/4	40.21	3/4		3/4		3/4		3/4	
6	1,304.04	6	1,049.45	6	795.61	6	540.91	6	285.74	6	35.74	6		6		6		6	
1/4	1,298.73	1/4	1,044.14	1/4	790.32	1/4	535.59	1/4	280.43	1/4	31.26	1/4		1/4		1/4		1/4	
1/2	1,293.43	1/2	1,038.84	1/2	785.04	1/2	530.28	1/2	275.11	1/2	26.79	1/2		1/2		1/2		1/2	
3/4	1,288.13	3/4	1,033.54	3/4	779.76	3/4	524.96	3/4	269.80	3/4	22.32	3/4		3/4		3/4		3/4	
7	1,282.82	7	1,028.23	7	774.48	7	519.64	7	264.48	7	19.13	7		7		7		7	
1/4	1,277.52	1/4	1,022.93	1/4	769.19	1/4	514.33	1/4	259.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,272.21	1/2	1,017.62	1/2	763.91	1/2	509.01	1/2	253.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,266.91	3/4	1,012.32	3/4	758.63	3/4	503.70	3/4	248.53	3/4		3/4		3/4		3/4		3/4	
8	1,261.61	8	1,007.01	8	753.35	8	498.38	8	243.21	8		8		8		8		8	
1/4	1,256.30	1/4	1,001.71	1/4	748.06	1/4	493.07	1/4	237.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,251.00	1/2	996.40	1/2	742.78	1/2	487.75	1/2	232.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,245.70	3/4	991.10	3/4	737.50	3/4	482.44	3/4	227.27	3/4		3/4		3/4		3/4		3/4	
9	1,240.39	9	985.80	9	732.21	9	477.12	9	222.00	9		9		9		9		9	
1/4	1,235.09	1/4	980.50	1/4	726.92	1/4	471.80	1/4	216.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,229.78	1/2	975.21	1/2	721.63	1/2	466.49	1/2	211.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,224.48	3/4	969.91	3/4	716.34	3/4	461.17	3/4	206.18	3/4		3/4		3/4		3/4		3/4	
10	1,219.17	10	964.63	10	711.02	10	455.85	10	201.04	10		10		10		10		10	
1/4	1,213.87	1/4	959.34	1/4	705.71	1/4	450.54	1/4	195.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,208.56	1/2	954.06	1/2	700.39	1/2	445.22	1/2	190.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,203.26	3/4	948.78	3/4	695.08	3/4	439.91	3/4	185.64	3/4		3/4		3/4		3/4		3/4	
11	1,197.96	11	943.50	11	689.76	11	434.59	11	180.50	11		11		11		11		11	
1/4	1,192.65	1/4	938.21	1/4	684.44	1/4	429.27	1/4	175.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,187.35	1/2	932.93	1/2	679.13	1/2	423.96	1/2	170.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,182.05	3/4	927.65	3/4	673.81	3/4	418.64	3/4	165.10	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2006 INSP.
RECALCULATED: 06/06/2024 CL
VERIFIED: 06/06/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2024

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

BARGE "MMI 3051"

1 STBD

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,199.29	0	2,958.89	0	2,704.29	0	2,449.70	0	2,195.11	0	1,940.52	0	1,685.93
1/4		1/4		1/4		1/4	3,196.28	1/4	2,953.58	1/4	2,698.99	1/4	2,444.40	1/4	2,189.81	1/4	1,935.21	1/4	1,680.62
1/2		1/2		1/2		1/2	3,193.28	1/2	2,948.28	1/2	2,693.68	1/2	2,439.09	1/2	2,184.50	1/2	1,929.91	1/2	1,675.32
3/4		3/4		3/4		3/4	3,190.27	3/4	2,942.98	3/4	2,688.38	3/4	2,433.79	3/4	2,179.20	3/4	1,924.61	3/4	1,670.02
1		1		1		1	3,186.34	1	2,937.67	1	2,683.08	1	2,428.49	1	2,173.89	1	1,919.30	1	1,664.71
1/4		1/4		1/4		1/4	3,182.41	1/4	2,932.37	1/4	2,677.77	1/4	2,423.18	1/4	2,168.59	1/4	1,914.00	1/4	1,659.41
1/2		1/2		1/2		1/2	3,178.48	1/2	2,927.06	1/2	2,672.47	1/2	2,417.88	1/2	2,163.28	1/2	1,908.69	1/2	1,654.10
3/4		3/4		3/4		3/4	3,174.55	3/4	2,921.76	3/4	2,667.17	3/4	2,412.58	3/4	2,157.98	3/4	1,903.39	3/4	1,648.80
2		2		2		2	3,169.70	2	2,916.45	2	2,661.86	2	2,407.27	2	2,152.68	2	1,898.09	2	1,643.49
1/4		1/4		1/4		1/4	3,164.84	1/4	2,911.15	1/4	2,656.56	1/4	2,401.97	1/4	2,147.37	1/4	1,892.78	1/4	1,638.19
1/2		1/2		1/2		1/2	3,159.99	1/2	2,905.84	1/2	2,651.25	1/2	2,396.66	1/2	2,142.07	1/2	1,887.48	1/2	1,632.88
3/4		3/4		3/4		3/4	3,155.14	3/4	2,900.54	3/4	2,645.95	3/4	2,391.36	3/4	2,136.77	3/4	1,882.18	3/4	1,627.58
3		3		3		3	3,149.83	3	2,895.24	3	2,640.65	3	2,386.05	3	2,131.46	3	1,876.87	3	1,622.28
1/4		1/4		1/4		1/4	3,144.53	1/4	2,889.93	1/4	2,635.34	1/4	2,380.75	1/4	2,126.16	1/4	1,871.57	1/4	1,616.97
1/2		1/2		1/2		1/2	3,139.22	1/2	2,884.63	1/2	2,630.04	1/2	2,375.44	1/2	2,120.85	1/2	1,866.26	1/2	1,611.67
3/4		3/4		3/4		3/4	3,133.92	3/4	2,879.33	3/4	2,624.74	3/4	2,370.14	3/4	2,115.55	3/4	1,860.96	3/4	1,606.37
4		4		4		4	3,128.61	4	2,874.02	4	2,619.43	4	2,364.84	4	2,110.25	4	1,855.65	4	1,601.06
1/4		1/4		1/4		1/4	3,123.31	1/4	2,868.72	1/4	2,614.13	1/4	2,359.53	1/4	2,104.94	1/4	1,850.35	1/4	1,595.76
1/2		1/2		1/2		1/2	3,118.00	1/2	2,863.41	1/2	2,608.82	1/2	2,354.23	1/2	2,099.64	1/2	1,845.04	1/2	1,590.45
3/4		3/4		3/4		3/4	3,112.70	3/4	2,858.11	3/4	2,603.52	3/4	2,348.93	3/4	2,094.34	3/4	1,839.74	3/4	1,585.15
5		5		5		5	3,107.40	5	2,852.81	5	2,598.21	5	2,343.62	5	2,089.03	5	1,834.44	5	1,579.85
1/4		1/4		1/4		1/4	3,102.09	1/4	2,847.50	1/4	2,592.91	1/4	2,338.32	1/4	2,083.73	1/4	1,829.13	1/4	1,574.54
1/2		1/2		1/2		1/2	3,096.79	1/2	2,842.20	1/2	2,587.60	1/2	2,333.01	1/2	2,078.42	1/2	1,823.83	1/2	1,569.24
3/4		3/4		3/4		3/4	3,091.49	3/4	2,836.90	3/4	2,582.30	3/4	2,327.71	3/4	2,073.12	3/4	1,818.53	3/4	1,563.94
6		6		6		6	3,086.18	6	2,831.59	6	2,577.00	6	2,322.41	6	2,067.81	6	1,813.22	6	1,558.63
1/4		1/4		1/4		1/4	3,080.88	1/4	2,826.29	1/4	2,571.69	1/4	2,317.10	1/4	2,062.51	1/4	1,807.92	1/4	1,553.33
1/2		1/2		1/2		1/2	3,075.57	1/2	2,820.98	1/2	2,566.39	1/2	2,311.80	1/2	2,057.20	1/2	1,802.61	1/2	1,548.02
3/4		3/4		3/4		3/4	3,070.27	3/4	2,815.68	3/4	2,561.09	3/4	2,306.50	3/4	2,051.90	3/4	1,797.31	3/4	1,542.72
7		7		7		7	3,064.97	7	2,810.37	7	2,555.78	7	2,301.19	7	2,046.60	7	1,792.01	7	1,537.41
1/4		1/4		1/4		1/4	3,059.66	1/4	2,805.07	1/4	2,550.48	1/4	2,295.89	1/4	2,041.29	1/4	1,786.70	1/4	1,532.11
1/2		1/2		1/2		1/2	3,054.36	1/2	2,799.76	1/2	2,545.17	1/2	2,290.58	1/2	2,035.99	1/2	1,781.40	1/2	1,526.80
3/4		3/4		3/4		3/4	3,049.06	3/4	2,794.46	3/4	2,539.87	3/4	2,285.28	3/4	2,030.69	3/4	1,776.10	3/4	1,521.50
8		8		8		8	3,043.75	8	2,789.16	8	2,534.57	8	2,279.97	8	2,025.38	8	1,770.79	8	1,516.20
1/4		1/4		1/4		1/4	3,038.45	1/4	2,783.85	1/4	2,529.26	1/4	2,274.67	1/4	2,020.08	1/4	1,765.49	1/4	1,510.89
1/2		1/2		1/2		1/2	3,033.14	1/2	2,778.55	1/2	2,523.96	1/2	2,269.36	1/2	2,014.77	1/2	1,760.18	1/2	1,505.59
3/4		3/4		3/4		3/4	3,027.84	3/4	2,773.25	3/4	2,518.66	3/4	2,264.06	3/4	2,009.47	3/4	1,754.88	3/4	1,500.29
9		9		9		9	3,022.53	9	2,767.94	9	2,513.35	9	2,258.76	9	2,004.17	9	1,749.57	9	1,494.98
1/4		1/4		1/4		1/4	3,017.23	1/4	2,762.64	1/4	2,508.05	1/4	2,253.45	1/4	1,998.86	1/4	1,744.27	1/4	1,489.68
1/2		1/2		1/2		1/2	3,011.92	1/2	2,757.33	1/2	2,502.74	1/2	2,248.15	1/2	1,993.56	1/2	1,738.96	1/2	1,484.37
3/4		3/4		3/4		3/4	3,006.62	3/4	2,752.03	3/4	2,497.44	3/4	2,242.85	3/4	1,988.26	3/4	1,733.66	3/4	1,479.07
10		10		10		10	3,001.32	10	2,746.73	10	2,492.13	10	2,237.54	10	1,982.95	10	1,728.36	10	1,473.77
1/4		1/4		1/4		1/4	2,996.01	1/4	2,741.42	1/4	2,486.83	1/4	2,232.24	1/4	1,977.65	1/4	1,723.05	1/4	1,468.46
1/2		1/2		1/2		1/2	2,990.71	1/2	2,736.12	1/2	2,481.52	1/2	2,226.93	1/2	1,972.34	1/2	1,717.75	1/2	1,463.16
3/4		3/4		3/4		3/4	2,985.41	3/4	2,730.82	3/4	2,476.22	3/4	2,221.63	3/4	1,967.04	3/4	1,712.45	3/4	1,457.86
11		11		11		11	2,980.10	11	2,725.51	11	2,470.92	11	2,216.33	11	1,961.73	11	1,707.14	11	1,452.55
1/4		1/4		1/4		1/4	2,974.80	1/4	2,720.21	1/4	2,465.61	1/4	2,211.02	1/4	1,956.43	1/4	1,701.84	1/4	1,447.25
1/2		1/2		1/2		1/2	2,969.49	1/2	2,714.90	1/2	2,460.31	1/2	2,205.72	1/2	1,951.12	1/2	1,696.53	1/2	1,441.94
3/4		3/4		3/4		3/4	2,964.19	3/4	2,709.60	3/4	2,455.01	3/4	2,200.42	3/4	1,945.82	3/4	1,691.23	3/4	1,436.64

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

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

BARGE "MMI 3051"

1 STBD

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,431.33	0	1,176.74	0	922.37	0	668.49	0	413.32	0	159.96	0		0		0		0	
1/4	1,426.03	1/4	1,171.44	1/4	917.09	1/4	663.18	1/4	408.01	1/4	154.82	1/4		1/4		1/4		1/4	
1/2	1,420.72	1/2	1,166.13	1/2	911.81	1/2	657.86	1/2	402.69	1/2	149.69	1/2		1/2		1/2		1/2	
3/4	1,415.42	3/4	1,160.83	3/4	906.53	3/4	652.55	3/4	397.38	3/4	144.55	3/4		3/4		3/4		3/4	
1	1,410.12	1	1,155.53	1	901.25	1	647.23	1	392.06	1	139.41	1		1		1		1	
1/4	1,404.81	1/4	1,150.22	1/4	895.96	1/4	641.91	1/4	386.75	1/4	134.28	1/4		1/4		1/4		1/4	
1/2	1,399.51	1/2	1,144.92	1/2	890.68	1/2	636.60	1/2	381.43	1/2	129.14	1/2		1/2		1/2		1/2	
3/4	1,394.21	3/4	1,139.62	3/4	885.40	3/4	631.28	3/4	376.12	3/4	124.01	3/4		3/4		3/4		3/4	
2	1,388.90	2	1,134.31	2	880.12	2	625.96	2	370.80	2	118.87	2		2		2		2	
1/4	1,383.60	1/4	1,129.01	1/4	874.83	1/4	620.65	1/4	365.48	1/4	113.73	1/4		1/4		1/4		1/4	
1/2	1,378.29	1/2	1,123.70	1/2	869.55	1/2	615.33	1/2	360.17	1/2	108.60	1/2		1/2		1/2		1/2	
3/4	1,372.99	3/4	1,118.40	3/4	864.27	3/4	610.02	3/4	354.85	3/4	103.46	3/4		3/4		3/4		3/4	
3	1,367.69	3	1,113.09	3	858.99	3	604.70	3	349.53	3	98.28	3		3		3		3	
1/4	1,362.38	1/4	1,107.79	1/4	853.70	1/4	599.39	1/4	344.22	1/4	93.10	1/4		1/4		1/4		1/4	
1/2	1,357.08	1/2	1,102.48	1/2	848.42	1/2	594.07	1/2	338.90	1/2	87.92	1/2		1/2		1/2		1/2	
3/4	1,351.78	3/4	1,097.18	3/4	843.14	3/4	588.76	3/4	333.59	3/4	82.74	3/4		3/4		3/4		3/4	
4	1,346.47	4	1,091.88	4	837.86	4	583.44	4	328.27	4	77.42	4		4		4		4	
1/4	1,341.17	1/4	1,086.57	1/4	832.57	1/4	578.12	1/4	322.95	1/4	72.11	1/4		1/4		1/4		1/4	
1/2	1,335.86	1/2	1,081.27	1/2	827.29	1/2	572.81	1/2	317.64	1/2	66.79	1/2		1/2		1/2		1/2	
3/4	1,330.56	3/4	1,075.97	3/4	822.01	3/4	567.49	3/4	312.32	3/4	61.48	3/4		3/4		3/4		3/4	
5	1,325.25	5	1,070.66	5	816.73	5	562.17	5	307.00	5	56.16	5		5		5		5	
1/4	1,319.95	1/4	1,065.36	1/4	811.45	1/4	556.86	1/4	301.69	1/4	50.84	1/4		1/4		1/4		1/4	
1/2	1,314.64	1/2	1,060.05	1/2	806.17	1/2	551.54	1/2	296.37	1/2	45.53	1/2		1/2		1/2		1/2	
3/4	1,309.34	3/4	1,054.75	3/4	800.89	3/4	546.23	3/4	291.06	3/4	40.21	3/4		3/4		3/4		3/4	
6	1,304.04	6	1,049.45	6	795.61	6	540.91	6	285.74	6	35.74	6		6		6		6	
1/4	1,298.73	1/4	1,044.14	1/4	790.32	1/4	535.59	1/4	280.43	1/4	31.26	1/4		1/4		1/4		1/4	
1/2	1,293.43	1/2	1,038.84	1/2	785.04	1/2	530.28	1/2	275.11	1/2	26.79	1/2		1/2		1/2		1/2	
3/4	1,288.13	3/4	1,033.54	3/4	779.76	3/4	524.96	3/4	269.80	3/4	22.32	3/4		3/4		3/4		3/4	
7	1,282.82	7	1,028.23	7	774.48	7	519.64	7	264.48	7	19.13	7		7		7		7	
1/4	1,277.52	1/4	1,022.93	1/4	769.19	1/4	514.33	1/4	259.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,272.21	1/2	1,017.62	1/2	763.91	1/2	509.01	1/2	253.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,266.91	3/4	1,012.32	3/4	758.63	3/4	503.70	3/4	248.53	3/4		3/4		3/4		3/4		3/4	
8	1,261.61	8	1,007.01	8	753.35	8	498.38	8	243.21	8		8		8		8		8	
1/4	1,256.30	1/4	1,001.71	1/4	748.06	1/4	493.07	1/4	237.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,251.00	1/2	996.40	1/2	742.78	1/2	487.75	1/2	232.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,245.70	3/4	991.10	3/4	737.50	3/4	482.44	3/4	227.27	3/4		3/4		3/4		3/4		3/4	
9	1,240.39	9	985.80	9	732.21	9	477.12	9	222.00	9		9		9		9		9	
1/4	1,235.09	1/4	980.50	1/4	726.92	1/4	471.80	1/4	216.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,229.78	1/2	975.21	1/2	721.63	1/2	466.49	1/2	211.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,224.48	3/4	969.91	3/4	716.34	3/4	461.17	3/4	206.18	3/4		3/4		3/4		3/4		3/4	
10	1,219.17	10	964.63	10	711.02	10	455.85	10	201.04	10		10		10		10		10	
1/4	1,213.87	1/4	959.34	1/4	705.71	1/4	450.54	1/4	195.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,208.56	1/2	954.06	1/2	700.39	1/2	445.22	1/2	190.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,203.26	3/4	948.78	3/4	695.08	3/4	439.91	3/4	185.64	3/4		3/4		3/4		3/4		3/4	
11	1,197.96	11	943.50	11	689.76	11	434.59	11	180.50	11		11		11		11		11	
1/4	1,192.65	1/4	938.21	1/4	684.44	1/4	429.27	1/4	175.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,187.35	1/2	932.93	1/2	679.13	1/2	423.96	1/2	170.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,182.05	3/4	927.65	3/4	673.81	3/4	418.64	3/4	165.10	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2006 INSP.
RECALCULATED: 06/06/2024 CL
VERIFIED: 06/06/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2024

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

BARGE "MMI 3051"

2 PORT

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,170.97	0	2,927.33	0	2,673.79	0	2,420.25	0	2,166.72	0	1,913.18	0	1,659.65
1/4		1/4		1/4		1/4	3,168.01	1/4	2,922.05	1/4	2,668.51	1/4	2,414.97	1/4	2,161.44	1/4	1,907.90	1/4	1,654.37
1/2		1/2		1/2		1/2	3,164.13	1/2	2,916.76	1/2	2,663.22	1/2	2,409.69	1/2	2,156.15	1/2	1,902.61	1/2	1,649.08
3/4		3/4		3/4		3/4	3,160.25	3/4	2,911.48	3/4	2,657.94	3/4	2,404.41	3/4	2,150.87	3/4	1,897.33	3/4	1,643.80
1		1		1		1	3,156.37	1	2,906.20	1	2,652.66	1	2,399.13	1	2,145.59	1	1,892.05	1	1,638.52
1/4		1/4		1/4		1/4	3,152.49	1/4	2,900.92	1/4	2,647.38	1/4	2,393.85	1/4	2,140.31	1/4	1,886.77	1/4	1,633.24
1/2		1/2		1/2		1/2	3,147.70	1/2	2,895.63	1/2	2,642.09	1/2	2,388.56	1/2	2,135.02	1/2	1,881.49	1/2	1,627.95
3/4		3/4		3/4		3/4	3,142.91	3/4	2,890.35	3/4	2,636.81	3/4	2,383.28	3/4	2,129.74	3/4	1,876.21	3/4	1,622.67
2		2		2		2	3,138.12	2	2,885.07	2	2,631.53	2	2,378.00	2	2,124.46	2	1,870.93	2	1,617.39
1/4		1/4		1/4		1/4	3,133.33	1/4	2,879.79	1/4	2,626.25	1/4	2,372.72	1/4	2,119.18	1/4	1,865.65	1/4	1,612.11
1/2		1/2		1/2		1/2	3,128.04	1/2	2,874.50	1/2	2,620.97	1/2	2,367.43	1/2	2,113.89	1/2	1,860.36	1/2	1,606.82
3/4		3/4		3/4		3/4	3,122.76	3/4	2,869.22	3/4	2,615.69	3/4	2,362.15	3/4	2,108.61	3/4	1,855.08	3/4	1,601.54
3		3		3		3	3,117.48	3	2,863.94	3	2,610.41	3	2,356.87	3	2,103.33	3	1,849.80	3	1,596.26
1/4		1/4		1/4		1/4	3,112.20	1/4	2,858.66	1/4	2,605.13	1/4	2,351.59	1/4	2,098.05	1/4	1,844.52	1/4	1,590.98
1/2		1/2		1/2		1/2	3,106.91	1/2	2,853.37	1/2	2,599.84	1/2	2,346.30	1/2	2,092.77	1/2	1,839.23	1/2	1,585.69
3/4		3/4		3/4		3/4	3,101.63	3/4	2,848.09	3/4	2,594.56	3/4	2,341.02	3/4	2,087.49	3/4	1,833.95	3/4	1,580.41
4		4		4		4	3,096.35	4	2,842.81	4	2,589.28	4	2,335.74	4	2,082.21	4	1,828.67	4	1,575.13
1/4		1/4		1/4		1/4	3,091.07	1/4	2,837.53	1/4	2,584.00	1/4	2,330.46	1/4	2,076.93	1/4	1,823.39	1/4	1,569.85
1/2		1/2		1/2		1/2	3,085.78	1/2	2,832.25	1/2	2,578.71	1/2	2,325.17	1/2	2,071.64	1/2	1,818.10	1/2	1,564.57
3/4		3/4		3/4		3/4	3,080.50	3/4	2,826.97	3/4	2,573.43	3/4	2,319.89	3/4	2,066.36	3/4	1,812.82	3/4	1,559.29
5		5		5		5	3,075.22	5	2,821.69	5	2,568.15	5	2,314.61	5	2,061.08	5	1,807.54	5	1,554.01
1/4		1/4		1/4		1/4	3,069.94	1/4	2,816.41	1/4	2,562.87	1/4	2,309.33	1/4	2,055.80	1/4	1,802.26	1/4	1,548.73
1/2		1/2		1/2		1/2	3,064.65	1/2	2,811.12	1/2	2,557.58	1/2	2,304.05	1/2	2,050.51	1/2	1,796.97	1/2	1,543.44
3/4		3/4		3/4		3/4	3,059.37	3/4	2,805.84	3/4	2,552.30	3/4	2,298.77	3/4	2,045.23	3/4	1,791.69	3/4	1,538.16
6		6		6		6	3,054.09	6	2,800.56	6	2,547.02	6	2,293.49	6	2,039.95	6	1,786.41	6	1,532.88
1/4		1/4		1/4		1/4	3,048.81	1/4	2,795.28	1/4	2,541.74	1/4	2,288.21	1/4	2,034.67	1/4	1,781.13	1/4	1,527.60
1/2		1/2		1/2		1/2	3,043.53	1/2	2,789.99	1/2	2,536.45	1/2	2,282.92	1/2	2,029.38	1/2	1,775.85	1/2	1,522.31
3/4		3/4		3/4		3/4	3,038.25	3/4	2,784.71	3/4	2,531.17	3/4	2,277.64	3/4	2,024.10	3/4	1,770.57	3/4	1,517.03
7		7		7		7	3,032.97	7	2,779.43	7	2,525.89	7	2,272.36	7	2,018.82	7	1,765.29	7	1,511.75
1/4		1/4		1/4		1/4	3,027.69	1/4	2,774.15	1/4	2,520.61	1/4	2,267.08	1/4	2,013.54	1/4	1,760.01	1/4	1,506.47
1/2		1/2		1/2		1/2	3,022.40	1/2	2,768.86	1/2	2,515.33	1/2	2,261.79	1/2	2,008.25	1/2	1,754.72	1/2	1,501.18
3/4		3/4		3/4		3/4	3,017.12	3/4	2,763.58	3/4	2,510.05	3/4	2,256.51	3/4	2,002.97	3/4	1,749.44	3/4	1,495.90
8		8		8		8	3,011.84	8	2,758.30	8	2,504.77	8	2,251.23	8	1,997.69	8	1,744.16	8	1,490.62
1/4		1/4		1/4		1/4	3,006.56	1/4	2,753.02	1/4	2,499.49	1/4	2,245.95	1/4	1,992.41	1/4	1,738.88	1/4	1,485.34
1/2		1/2		1/2		1/2	3,001.27	1/2	2,747.73	1/2	2,494.20	1/2	2,240.66	1/2	1,987.13	1/2	1,733.59	1/2	1,480.05
3/4		3/4		3/4		3/4	2,995.99	3/4	2,742.45	3/4	2,488.92	3/4	2,235.38	3/4	1,981.85	3/4	1,728.31	3/4	1,474.77
9		9		9		9	2,990.71	9	2,737.17	9	2,483.64	9	2,230.10	9	1,976.57	9	1,723.03	9	1,469.49
1/4		1/4		1/4		1/4	2,985.43	1/4	2,731.89	1/4	2,478.36	1/4	2,224.82	1/4	1,971.29	1/4	1,717.75	1/4	1,464.21
1/2		1/2		1/2		1/2	2,980.14	1/2	2,726.61	1/2	2,473.07	1/2	2,219.53	1/2	1,966.00	1/2	1,712.46	1/2	1,458.93
3/4		3/4		3/4		3/4	2,974.86	3/4	2,721.33	3/4	2,467.79	3/4	2,214.25	3/4	1,960.72	3/4	1,707.18	3/4	1,453.65
10		10		10		10	2,969.58	10	2,716.05	10	2,462.51	10	2,208.97	10	1,955.44	10	1,701.90	10	1,448.37
1/4		1/4		1/4		1/4	2,964.30	1/4	2,710.77	1/4	2,457.23	1/4	2,203.69	1/4	1,950.16	1/4	1,696.62	1/4	1,443.09
1/2		1/2		1/2		1/2	2,959.01	1/2	2,705.48	1/2	2,451.94	1/2	2,198.41	1/2	1,944.87	1/2	1,691.33	1/2	1,437.80
3/4		3/4		3/4		3/4	2,953.73	3/4	2,700.20	3/4	2,446.66	3/4	2,193.13	3/4	1,939.59	3/4	1,686.05	3/4	1,432.52
11		11		11		11	2,948.45	11	2,694.92	11	2,441.38	11	2,187.85	11	1,934.31	11	1,680.77	11	1,427.24
1/4		1/4		1/4		1/4	2,943.17	1/4	2,689.64	1/4	2,436.10	1/4	2,182.57	1/4	1,929.03	1/4	1,675.49	1/4	1,421.96
1/2		1/2		1/2	3,176.90	1/2	2,937.89	1/2	2,684.35	1/2	2,430.81	1/2	2,177.28	1/2	1,923.74	1/2	1,670.21	1/2	1,416.67
3/4		3/4		3/4	3,173.94	3/4	2,932.61	3/4	2,679.07	3/4	2,425.53	3/4	2,172.00	3/4	1,918.46	3/4	1,664.93	3/4	1,411.39

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 10'-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 "MMI 3051"

2 PORT

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,406.11	0	1,152.57	0	899.85	0	649.19	0	397.39	0	147.71	0		0		0		0	
1/4	1,400.83	1/4	1,147.29	1/4	894.64	1/4	643.95	1/4	392.15	1/4	142.65	1/4		1/4		1/4		1/4	
1/2	1,395.54	1/2	1,142.01	1/2	889.42	1/2	638.70	1/2	386.90	1/2	137.58	1/2		1/2		1/2		1/2	
3/4	1,390.26	3/4	1,136.73	3/4	884.21	3/4	633.46	3/4	381.65	3/4	132.51	3/4		3/4		3/4		3/4	
1	1,384.98	1	1,131.45	1	879.00	1	628.21	1	376.40	1	127.44	1		1		1		1	
1/4	1,379.70	1/4	1,126.17	1/4	873.79	1/4	622.97	1/4	371.16	1/4	122.38	1/4		1/4		1/4		1/4	
1/2	1,374.41	1/2	1,120.88	1/2	868.57	1/2	617.72	1/2	365.91	1/2	117.31	1/2		1/2		1/2		1/2	
3/4	1,369.13	3/4	1,115.60	3/4	863.36	3/4	612.48	3/4	360.67	3/4	112.24	3/4		3/4		3/4		3/4	
2	1,363.85	2	1,110.32	2	858.14	2	607.23	2	355.42	2	107.17	2		2		2		2	
1/4	1,358.57	1/4	1,105.04	1/4	852.93	1/4	601.99	1/4	350.18	1/4	102.11	1/4		1/4		1/4		1/4	
1/2	1,353.29	1/2	1,099.75	1/2	847.71	1/2	596.74	1/2	344.93	1/2	96.99	1/2		1/2		1/2		1/2	
3/4	1,348.01	3/4	1,094.47	3/4	842.50	3/4	591.49	3/4	339.68	3/4	91.88	3/4		3/4		3/4		3/4	
3	1,342.73	3	1,089.19	3	837.28	3	586.24	3	334.43	3	86.77	3		3		3		3	
1/4	1,337.45	1/4	1,083.91	1/4	832.07	1/4	581.00	1/4	329.19	1/4	81.66	1/4		1/4		1/4		1/4	
1/2	1,332.16	1/2	1,078.62	1/2	826.85	1/2	575.75	1/2	323.94	1/2	76.41	1/2		1/2		1/2		1/2	
3/4	1,326.88	3/4	1,073.34	3/4	821.64	3/4	570.51	3/4	318.70	3/4	71.16	3/4		3/4		3/4		3/4	
4	1,321.60	4	1,068.06	4	816.43	4	565.26	4	313.45	4	65.91	4		4		4		4	
1/4	1,316.32	1/4	1,062.78	1/4	811.22	1/4	560.02	1/4	308.21	1/4	60.67	1/4		1/4		1/4		1/4	
1/2	1,311.03	1/2	1,057.49	1/2	806.00	1/2	554.77	1/2	302.96	1/2	55.42	1/2		1/2		1/2		1/2	
3/4	1,305.75	3/4	1,052.21	3/4	800.79	3/4	549.52	3/4	297.72	3/4	50.18	3/4		3/4		3/4		3/4	
5	1,300.47	5	1,046.93	5	795.57	5	544.27	5	292.47	5	44.93	5		5		5		5	
1/4	1,295.19	1/4	1,041.65	1/4	790.36	1/4	539.03	1/4	287.23	1/4	39.69	1/4		1/4		1/4		1/4	
1/2	1,289.90	1/2	1,036.37	1/2	785.14	1/2	533.78	1/2	281.98	1/2	35.27	1/2		1/2		1/2		1/2	
3/4	1,284.62	3/4	1,031.09	3/4	779.93	3/4	528.54	3/4	276.73	3/4	30.86	3/4		3/4		3/4		3/4	
6	1,279.34	6	1,025.81	6	774.72	6	523.29	6	271.48	6	26.44	6		6		6		6	
1/4	1,274.06	1/4	1,020.53	1/4	769.51	1/4	518.05	1/4	266.24	1/4	22.03	1/4		1/4		1/4		1/4	
1/2	1,268.77	1/2	1,015.24	1/2	764.29	1/2	512.80	1/2	260.99	1/2	18.88	1/2		1/2		1/2		1/2	
3/4	1,263.49	3/4	1,009.96	3/4	759.08	3/4	507.56	3/4	255.75	3/4		3/4		3/4		3/4		3/4	
7	1,258.21	7	1,004.68	7	753.86	7	502.31	7	250.50	7		7		7		7		7	
1/4	1,252.93	1/4	999.40	1/4	748.65	1/4	497.07	1/4	245.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,247.65	1/2	994.11	1/2	743.43	1/2	491.82	1/2	240.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,242.37	3/4	988.83	3/4	738.22	3/4	486.57	3/4	234.76	3/4		3/4		3/4		3/4		3/4	
8	1,237.09	8	983.55	8	733.00	8	481.32	8	229.51	8		8		8		8		8	
1/4	1,231.81	1/4	978.27	1/4	727.79	1/4	476.08	1/4	224.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,226.52	1/2	973.00	1/2	722.57	1/2	470.83	1/2	219.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,221.24	3/4	967.74	3/4	717.35	3/4	465.59	3/4	213.87	3/4		3/4		3/4		3/4		3/4	
9	1,215.96	9	962.47	9	712.13	9	460.34	9	208.67	9		9		9		9		9	
1/4	1,210.68	1/4	957.21	1/4	706.91	1/4	455.10	1/4	203.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,205.39	1/2	951.99	1/2	701.66	1/2	449.85	1/2	198.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,200.11	3/4	946.78	3/4	696.41	3/4	444.60	3/4	193.33	3/4		3/4		3/4		3/4		3/4	
10	1,194.83	10	941.56	10	691.16	10	439.35	10	188.26	10		10		10		10		10	
1/4	1,189.55	1/4	936.35	1/4	685.92	1/4	434.11	1/4	183.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,184.26	1/2	931.13	1/2	680.67	1/2	428.86	1/2	178.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,178.98	3/4	925.92	3/4	675.43	3/4	423.62	3/4	173.06	3/4		3/4		3/4		3/4		3/4	
11	1,173.70	11	920.71	11	670.18	11	418.37	11	167.99	11		11		11		11		11	
1/4	1,168.42	1/4	915.50	1/4	664.94	1/4	413.13	1/4	162.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,163.13	1/2	910.28	1/2	659.69	1/2	407.88	1/2	157.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,157.85	3/4	905.07	3/4	654.44	3/4	402.64	3/4	152.78	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2006 INSP.
RECALCULATED: 06/06/2024 CL
VERIFIED: 06/06/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2024

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

BARGE "MMI 3051"

2 STBD

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	2,943.17	0	2,689.64	0	2,436.10	0	2,182.57	0	1,929.03	0	1,675.49
1/4		1/4		1/4		1/4	3,176.90	1/4	2,937.89	1/4	2,684.35	1/4	2,430.81	1/4	2,177.28	1/4	1,923.74	1/4	1,670.21
1/2		1/2		1/2		1/2	3,173.94	1/2	2,932.61	1/2	2,679.07	1/2	2,425.53	1/2	2,172.00	1/2	1,918.46	1/2	1,664.93
3/4		3/4		3/4		3/4	3,170.97	3/4	2,927.33	3/4	2,673.79	3/4	2,420.25	3/4	2,166.72	3/4	1,913.18	3/4	1,659.65
1		1		1		1	3,168.01	1	2,922.05	1	2,668.51	1	2,414.97	1	2,161.44	1	1,907.90	1	1,654.37
1/4		1/4		1/4		1/4	3,164.13	1/4	2,916.76	1/4	2,663.22	1/4	2,409.69	1/4	2,156.15	1/4	1,902.61	1/4	1,649.08
1/2		1/2		1/2		1/2	3,160.25	1/2	2,911.48	1/2	2,657.94	1/2	2,404.41	1/2	2,150.87	1/2	1,897.33	1/2	1,643.80
3/4		3/4		3/4		3/4	3,156.37	3/4	2,906.20	3/4	2,652.66	3/4	2,399.13	3/4	2,145.59	3/4	1,892.05	3/4	1,638.52
2		2		2		2	3,152.49	2	2,900.92	2	2,647.38	2	2,393.85	2	2,140.31	2	1,886.77	2	1,633.24
1/4		1/4		1/4		1/4	3,147.70	1/4	2,895.63	1/4	2,642.09	1/4	2,388.56	1/4	2,135.02	1/4	1,881.49	1/4	1,627.95
1/2		1/2		1/2		1/2	3,142.91	1/2	2,890.35	1/2	2,636.81	1/2	2,383.28	1/2	2,129.74	1/2	1,876.21	1/2	1,622.67
3/4		3/4		3/4		3/4	3,138.12	3/4	2,885.07	3/4	2,631.53	3/4	2,378.00	3/4	2,124.46	3/4	1,870.93	3/4	1,617.39
3		3		3		3	3,133.33	3	2,879.79	3	2,626.25	3	2,372.72	3	2,119.18	3	1,865.65	3	1,612.11
1/4		1/4		1/4		1/4	3,128.04	1/4	2,874.50	1/4	2,620.97	1/4	2,367.43	1/4	2,113.89	1/4	1,860.36	1/4	1,606.82
1/2		1/2		1/2		1/2	3,122.76	1/2	2,869.22	1/2	2,615.69	1/2	2,362.15	1/2	2,108.61	1/2	1,855.08	1/2	1,601.54
3/4		3/4		3/4		3/4	3,117.48	3/4	2,863.94	3/4	2,610.41	3/4	2,356.87	3/4	2,103.33	3/4	1,849.80	3/4	1,596.26
4		4		4		4	3,112.20	4	2,858.66	4	2,605.13	4	2,351.59	4	2,098.05	4	1,844.52	4	1,590.98
1/4		1/4		1/4		1/4	3,106.91	1/4	2,853.37	1/4	2,599.84	1/4	2,346.30	1/4	2,092.77	1/4	1,839.23	1/4	1,585.69
1/2		1/2		1/2		1/2	3,101.63	1/2	2,848.09	1/2	2,594.56	1/2	2,341.02	1/2	2,087.49	1/2	1,833.95	1/2	1,580.41
3/4		3/4		3/4		3/4	3,096.35	3/4	2,842.81	3/4	2,589.28	3/4	2,335.74	3/4	2,082.21	3/4	1,828.67	3/4	1,575.13
5		5		5		5	3,091.07	5	2,837.53	5	2,584.00	5	2,330.46	5	2,076.93	5	1,823.39	5	1,569.85
1/4		1/4		1/4		1/4	3,085.78	1/4	2,832.25	1/4	2,578.71	1/4	2,325.17	1/4	2,071.64	1/4	1,818.10	1/4	1,564.57
1/2		1/2		1/2		1/2	3,080.50	1/2	2,826.97	1/2	2,573.43	1/2	2,319.89	1/2	2,066.36	1/2	1,812.82	1/2	1,559.29
3/4		3/4		3/4		3/4	3,075.22	3/4	2,821.69	3/4	2,568.15	3/4	2,314.61	3/4	2,061.08	3/4	1,807.54	3/4	1,554.01
6		6		6		6	3,069.94	6	2,816.41	6	2,562.87	6	2,309.33	6	2,055.80	6	1,802.26	6	1,548.73
1/4		1/4		1/4		1/4	3,064.65	1/4	2,811.12	1/4	2,557.58	1/4	2,304.05	1/4	2,050.51	1/4	1,796.97	1/4	1,543.44
1/2		1/2		1/2		1/2	3,059.37	1/2	2,805.84	1/2	2,552.30	1/2	2,298.77	1/2	2,045.23	1/2	1,791.69	1/2	1,538.16
3/4		3/4		3/4		3/4	3,054.09	3/4	2,800.56	3/4	2,547.02	3/4	2,293.49	3/4	2,039.95	3/4	1,786.41	3/4	1,532.88
7		7		7		7	3,048.81	7	2,795.28	7	2,541.74	7	2,288.21	7	2,034.67	7	1,781.13	7	1,527.60
1/4		1/4		1/4		1/4	3,043.53	1/4	2,789.99	1/4	2,536.45	1/4	2,282.92	1/4	2,029.38	1/4	1,775.85	1/4	1,522.31
1/2		1/2		1/2		1/2	3,038.25	1/2	2,784.71	1/2	2,531.17	1/2	2,277.64	1/2	2,024.10	1/2	1,770.57	1/2	1,517.03
3/4		3/4		3/4		3/4	3,032.97	3/4	2,779.43	3/4	2,525.89	3/4	2,272.36	3/4	2,018.82	3/4	1,765.29	3/4	1,511.75
8		8		8		8	3,027.69	8	2,774.15	8	2,520.61	8	2,267.08	8	2,013.54	8	1,760.01	8	1,506.47
1/4		1/4		1/4		1/4	3,022.40	1/4	2,768.86	1/4	2,515.33	1/4	2,261.79	1/4	2,008.25	1/4	1,754.72	1/4	1,501.18
1/2		1/2		1/2		1/2	3,017.12	1/2	2,763.58	1/2	2,510.05	1/2	2,256.51	1/2	2,002.97	1/2	1,749.44	1/2	1,495.90
3/4		3/4		3/4		3/4	3,011.84	3/4	2,758.30	3/4	2,504.77	3/4	2,251.23	3/4	1,997.69	3/4	1,744.16	3/4	1,490.62
9		9		9		9	3,006.56	9	2,753.02	9	2,499.49	9	2,245.95	9	1,992.41	9	1,738.88	9	1,485.34
1/4		1/4		1/4		1/4	3,001.27	1/4	2,747.73	1/4	2,494.20	1/4	2,240.66	1/4	1,987.13	1/4	1,733.59	1/4	1,480.05
1/2		1/2		1/2		1/2	2,995.99	1/2	2,742.45	1/2	2,488.92	1/2	2,235.38	1/2	1,981.85	1/2	1,728.31	1/2	1,474.77
3/4		3/4		3/4		3/4	2,990.71	3/4	2,737.17	3/4	2,483.64	3/4	2,230.10	3/4	1,976.57	3/4	1,723.03	3/4	1,469.49
10		10		10		10	2,985.43	10	2,731.89	10	2,478.36	10	2,224.82	10	1,971.29	10	1,717.75	10	1,464.21
1/4		1/4		1/4		1/4	2,980.14	1/4	2,726.61	1/4	2,473.07	1/4	2,219.53	1/4	1,966.00	1/4	1,712.46	1/4	1,458.93
1/2		1/2		1/2		1/2	2,974.86	1/2	2,721.33	1/2	2,467.79	1/2	2,214.25	1/2	1,960.72	1/2	1,707.18	1/2	1,453.65
3/4		3/4		3/4		3/4	2,969.58	3/4	2,716.05	3/4	2,462.51	3/4	2,208.97	3/4	1,955.44	3/4	1,701.90	3/4	1,448.37
11		11		11		11	2,964.30	11	2,710.77	11	2,457.23	11	2,203.69	11	1,950.16	11	1,696.62	11	1,443.09
1/4		1/4		1/4		1/4	2,959.01	1/4	2,705.48	1/4	2,451.94	1/4	2,198.41	1/4	1,944.87	1/4	1,691.33	1/4	1,437.80
1/2		1/2		1/2		1/2	2,953.73	1/2	2,700.20	1/2	2,446.66	1/2	2,193.13	1/2	1,939.59	1/2	1,686.05	1/2	1,432.52
3/4		3/4		3/4		3/4	2,948.45	3/4	2,694.92	3/4	2,441.38	3/4	2,187.85	3/4	1,934.31	3/4	1,680.77	3/4	1,427.24

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 10'-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 "MMI 3051"

2 STBD

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,421.96	0	1,168.42	0	915.50	0	664.94	0	413.13	0	162.92	0		0		0		0	
1/4	1,416.67	1/4	1,163.13	1/4	910.28	1/4	659.69	1/4	407.88	1/4	157.85	1/4		1/4		1/4		1/4	
1/2	1,411.39	1/2	1,157.85	1/2	905.07	1/2	654.44	1/2	402.64	1/2	152.78	1/2		1/2		1/2		1/2	
3/4	1,406.11	3/4	1,152.57	3/4	899.85	3/4	649.19	3/4	397.39	3/4	147.71	3/4		3/4		3/4		3/4	
1	1,400.83	1	1,147.29	1	894.64	1	643.95	1	392.15	1	142.65	1		1		1		1	
1/4	1,395.54	1/4	1,142.01	1/4	889.42	1/4	638.70	1/4	386.90	1/4	137.58	1/4		1/4		1/4		1/4	
1/2	1,390.26	1/2	1,136.73	1/2	884.21	1/2	633.46	1/2	381.65	1/2	132.51	1/2		1/2		1/2		1/2	
3/4	1,384.98	3/4	1,131.45	3/4	879.00	3/4	628.21	3/4	376.40	3/4	127.44	3/4		3/4		3/4		3/4	
2	1,379.70	2	1,126.17	2	873.79	2	622.97	2	371.16	2	122.38	2		2		2		2	
1/4	1,374.41	1/4	1,120.88	1/4	868.57	1/4	617.72	1/4	365.91	1/4	117.31	1/4		1/4		1/4		1/4	
1/2	1,369.13	1/2	1,115.60	1/2	863.36	1/2	612.48	1/2	360.67	1/2	112.24	1/2		1/2		1/2		1/2	
3/4	1,363.85	3/4	1,110.32	3/4	858.14	3/4	607.23	3/4	355.42	3/4	107.17	3/4		3/4		3/4		3/4	
3	1,358.57	3	1,105.04	3	852.93	3	601.99	3	350.18	3	102.11	3		3		3		3	
1/4	1,353.29	1/4	1,099.75	1/4	847.71	1/4	596.74	1/4	344.93	1/4	96.99	1/4		1/4		1/4		1/4	
1/2	1,348.01	1/2	1,094.47	1/2	842.50	1/2	591.49	1/2	339.68	1/2	91.88	1/2		1/2		1/2		1/2	
3/4	1,342.73	3/4	1,089.19	3/4	837.28	3/4	586.24	3/4	334.43	3/4	86.77	3/4		3/4		3/4		3/4	
4	1,337.45	4	1,083.91	4	832.07	4	581.00	4	329.19	4	81.66	4		4		4		4	
1/4	1,332.16	1/4	1,078.62	1/4	826.85	1/4	575.75	1/4	323.94	1/4	76.41	1/4		1/4		1/4		1/4	
1/2	1,326.88	1/2	1,073.34	1/2	821.64	1/2	570.51	1/2	318.70	1/2	71.16	1/2		1/2		1/2		1/2	
3/4	1,321.60	3/4	1,068.06	3/4	816.43	3/4	565.26	3/4	313.45	3/4	65.91	3/4		3/4		3/4		3/4	
5	1,316.32	5	1,062.78	5	811.22	5	560.02	5	308.21	5	60.67	5		5		5		5	
1/4	1,311.03	1/4	1,057.49	1/4	806.00	1/4	554.77	1/4	302.96	1/4	55.42	1/4		1/4		1/4		1/4	
1/2	1,305.75	1/2	1,052.21	1/2	800.79	1/2	549.52	1/2	297.72	1/2	50.18	1/2		1/2		1/2		1/2	
3/4	1,300.47	3/4	1,046.93	3/4	795.57	3/4	544.27	3/4	292.47	3/4	44.93	3/4		3/4		3/4		3/4	
6	1,295.19	6	1,041.65	6	790.36	6	539.03	6	287.23	6	39.69	6		6		6		6	
1/4	1,289.90	1/4	1,036.37	1/4	785.14	1/4	533.78	1/4	281.98	1/4	35.27	1/4		1/4		1/4		1/4	
1/2	1,284.62	1/2	1,031.09	1/2	779.93	1/2	528.54	1/2	276.73	1/2	30.86	1/2		1/2		1/2		1/2	
3/4	1,279.34	3/4	1,025.81	3/4	774.72	3/4	523.29	3/4	271.48	3/4	26.44	3/4		3/4		3/4		3/4	
7	1,274.06	7	1,020.53	7	769.51	7	518.05	7	266.24	7	22.03	7		7		7		7	
1/4	1,268.77	1/4	1,015.24	1/4	764.29	1/4	512.80	1/4	260.99	1/4	18.88	1/4		1/4		1/4		1/4	
1/2	1,263.49	1/2	1,009.96	1/2	759.08	1/2	507.56	1/2	255.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,258.21	3/4	1,004.68	3/4	753.86	3/4	502.31	3/4	250.50	3/4		3/4		3/4		3/4		3/4	
8	1,252.93	8	999.40	8	748.65	8	497.07	8	245.26	8		8		8		8		8	
1/4	1,247.65	1/4	994.11	1/4	743.43	1/4	491.82	1/4	240.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,242.37	1/2	988.83	1/2	738.22	1/2	486.57	1/2	234.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,237.09	3/4	983.55	3/4	733.00	3/4	481.32	3/4	229.51	3/4		3/4		3/4		3/4		3/4	
9	1,231.81	9	978.27	9	727.79	9	476.08	9	224.27	9		9		9		9		9	
1/4	1,226.52	1/4	973.00	1/4	722.57	1/4	470.83	1/4	219.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,221.24	1/2	967.74	1/2	717.35	1/2	465.59	1/2	213.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,215.96	3/4	962.47	3/4	712.13	3/4	460.34	3/4	208.67	3/4		3/4		3/4		3/4		3/4	
10	1,210.68	10	957.21	10	706.91	10	455.10	10	203.47	10		10		10		10		10	
1/4	1,205.39	1/4	951.99	1/4	701.66	1/4	449.85	1/4	198.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,200.11	1/2	946.78	1/2	696.41	1/2	444.60	1/2	193.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,194.83	3/4	941.56	3/4	691.16	3/4	439.35	3/4	188.26	3/4		3/4		3/4		3/4		3/4	
11	1,189.55	11	936.35	11	685.92	11	434.11	11	183.20	11		11		11		11		11	
1/4	1,184.26	1/4	931.13	1/4	680.67	1/4	428.86	1/4	178.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,178.98	1/2	925.92	1/2	675.43	1/2	423.62	1/2	173.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,173.70	3/4	920.71	3/4	670.18	3/4	418.37	3/4	167.99	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2006 INSP.
RECALCULATED: 06/06/2024 CL
VERIFIED: 06/06/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2024

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

BARGE "MMI 3051"

3 PORT

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,493.94	0	3,231.23	0	2,952.73	0	2,674.24	0	2,395.74	0	2,117.25	0	1,838.75
1/4		1/4		1/4		1/4	3,490.67	1/4	3,225.43	1/4	2,946.93	1/4	2,668.44	1/4	2,389.94	1/4	2,111.45	1/4	1,832.95
1/2		1/2		1/2		1/2	3,487.40	1/2	3,219.62	1/2	2,941.13	1/2	2,662.63	1/2	2,384.13	1/2	2,105.64	1/2	1,827.14
3/4		3/4		3/4		3/4	3,484.13	3/4	3,213.82	3/4	2,935.33	3/4	2,656.83	3/4	2,378.33	3/4	2,099.84	3/4	1,821.34
1		1		1		1	3,479.86	1	3,208.02	1	2,929.53	1	2,651.03	1	2,372.53	1	2,094.04	1	1,815.54
1/4		1/4		1/4		1/4	3,475.58	1/4	3,202.22	1/4	2,923.73	1/4	2,645.23	1/4	2,366.73	1/4	2,088.24	1/4	1,809.74
1/2		1/2		1/2		1/2	3,471.31	1/2	3,196.41	1/2	2,917.92	1/2	2,639.42	1/2	2,360.93	1/2	2,082.43	1/2	1,803.93
3/4		3/4		3/4		3/4	3,467.03	3/4	3,190.61	3/4	2,912.12	3/4	2,633.62	3/4	2,355.13	3/4	2,076.63	3/4	1,798.13
2		2		2		2	3,461.75	2	3,184.81	2	2,906.32	2	2,627.82	2	2,349.33	2	2,070.83	2	1,792.33
1/4		1/4		1/4		1/4	3,456.47	1/4	3,179.01	1/4	2,900.52	1/4	2,622.02	1/4	2,343.53	1/4	2,065.03	1/4	1,786.53
1/2		1/2		1/2		1/2	3,451.18	1/2	3,173.21	1/2	2,894.71	1/2	2,616.21	1/2	2,337.72	1/2	2,059.22	1/2	1,780.73
3/4		3/4		3/4		3/4	3,445.90	3/4	3,167.41	3/4	2,888.91	3/4	2,610.41	3/4	2,331.92	3/4	2,053.42	3/4	1,774.93
3		3		3		3	3,440.10	3	3,161.61	3	2,883.11	3	2,604.61	3	2,326.12	3	2,047.62	3	1,769.13
1/4		1/4		1/4		1/4	3,434.30	1/4	3,155.81	1/4	2,877.31	1/4	2,598.81	1/4	2,320.32	1/4	2,041.82	1/4	1,763.33
1/2		1/2		1/2		1/2	3,428.49	1/2	3,150.00	1/2	2,871.50	1/2	2,593.01	1/2	2,314.51	1/2	2,036.01	1/2	1,757.52
3/4		3/4		3/4		3/4	3,422.69	3/4	3,144.20	3/4	2,865.70	3/4	2,587.21	3/4	2,308.71	3/4	2,030.21	3/4	1,751.72
4		4		4		4	3,416.89	4	3,138.40	4	2,859.90	4	2,581.41	4	2,302.91	4	2,024.41	4	1,745.92
1/4		1/4		1/4		1/4	3,411.09	1/4	3,132.60	1/4	2,854.10	1/4	2,575.61	1/4	2,297.11	1/4	2,018.61	1/4	1,740.12
1/2		1/2		1/2		1/2	3,405.29	1/2	3,126.79	1/2	2,848.29	1/2	2,569.80	1/2	2,291.30	1/2	2,012.81	1/2	1,734.31
3/4		3/4		3/4		3/4	3,399.49	3/4	3,120.99	3/4	2,842.49	3/4	2,564.00	3/4	2,285.50	3/4	2,007.01	3/4	1,728.51
5		5		5		5	3,393.69	5	3,115.19	5	2,836.69	5	2,558.20	5	2,279.70	5	2,001.21	5	1,722.71
1/4		1/4		1/4		1/4	3,387.89	1/4	3,109.39	1/4	2,830.89	1/4	2,552.40	1/4	2,273.90	1/4	1,995.41	1/4	1,716.91
1/2		1/2		1/2		1/2	3,382.08	1/2	3,103.58	1/2	2,825.09	1/2	2,546.59	1/2	2,268.09	1/2	1,989.60	1/2	1,711.10
3/4		3/4		3/4		3/4	3,376.28	3/4	3,097.78	3/4	2,819.29	3/4	2,540.79	3/4	2,262.29	3/4	1,983.80	3/4	1,705.30
6		6		6		6	3,370.48	6	3,091.98	6	2,813.49	6	2,534.99	6	2,256.49	6	1,978.00	6	1,699.50
1/4		1/4		1/4		1/4	3,364.68	1/4	3,086.18	1/4	2,807.69	1/4	2,529.19	1/4	2,250.69	1/4	1,972.20	1/4	1,693.70
1/2		1/2		1/2		1/2	3,358.87	1/2	3,080.37	1/2	2,801.88	1/2	2,523.38	1/2	2,244.89	1/2	1,966.39	1/2	1,687.89
3/4		3/4		3/4		3/4	3,353.07	3/4	3,074.57	3/4	2,796.08	3/4	2,517.58	3/4	2,239.09	3/4	1,960.59	3/4	1,682.09
7		7		7		7	3,347.27	7	3,068.77	7	2,790.28	7	2,511.78	7	2,233.29	7	1,954.79	7	1,676.29
1/4		1/4		1/4		1/4	3,341.47	1/4	3,062.97	1/4	2,784.48	1/4	2,505.98	1/4	2,227.49	1/4	1,948.99	1/4	1,670.49
1/2		1/2		1/2		1/2	3,335.66	1/2	3,057.17	1/2	2,778.67	1/2	2,500.17	1/2	2,221.68	1/2	1,943.18	1/2	1,664.69
3/4		3/4		3/4		3/4	3,329.86	3/4	3,051.37	3/4	2,772.87	3/4	2,494.37	3/4	2,215.88	3/4	1,937.38	3/4	1,658.89
8		8		8		8	3,324.06	8	3,045.57	8	2,767.07	8	2,488.57	8	2,210.08	8	1,931.58	8	1,653.09
1/4		1/4		1/4		1/4	3,318.26	1/4	3,039.77	1/4	2,761.27	1/4	2,482.77	1/4	2,204.28	1/4	1,925.78	1/4	1,647.29
1/2		1/2		1/2		1/2	3,312.45	1/2	3,033.96	1/2	2,755.46	1/2	2,476.97	1/2	2,198.47	1/2	1,919.97	1/2	1,641.48
3/4		3/4		3/4		3/4	3,306.65	3/4	3,028.16	3/4	2,749.66	3/4	2,471.17	3/4	2,192.67	3/4	1,914.17	3/4	1,635.68
9		9		9		9	3,300.85	9	3,022.36	9	2,743.86	9	2,465.37	9	2,186.87	9	1,908.37	9	1,629.88
1/4		1/4		1/4		1/4	3,295.05	1/4	3,016.56	1/4	2,738.06	1/4	2,459.57	1/4	2,181.07	1/4	1,902.57	1/4	1,624.08
1/2		1/2		1/2		1/2	3,289.25	1/2	3,010.75	1/2	2,732.25	1/2	2,453.76	1/2	2,175.26	1/2	1,896.77	1/2	1,618.27
3/4		3/4		3/4		3/4	3,283.45	3/4	3,004.95	3/4	2,726.45	3/4	2,447.96	3/4	2,169.46	3/4	1,890.97	3/4	1,612.47
10		10		10		10	3,277.65	10	2,999.15	10	2,720.65	10	2,442.16	10	2,163.66	10	1,885.17	10	1,606.67
1/4		1/4		1/4		1/4	3,271.85	1/4	2,993.35	1/4	2,714.85	1/4	2,436.36	1/4	2,157.86	1/4	1,879.37	1/4	1,600.87
1/2		1/2		1/2		1/2	3,266.04	1/2	2,987.54	1/2	2,709.05	1/2	2,430.55	1/2	2,152.05	1/2	1,873.56	1/2	1,595.06
3/4		3/4		3/4		3/4	3,260.24	3/4	2,981.74	3/4	2,703.25	3/4	2,424.75	3/4	2,146.25	3/4	1,867.76	3/4	1,589.26
11		11		11		11	3,254.44	11	2,975.94	11	2,697.45	11	2,418.95	11	2,140.45	11	1,861.96	11	1,583.46
1/4		1/4		1/4		1/4	3,248.64	1/4	2,970.14	1/4	2,691.65	1/4	2,413.15	1/4	2,134.65	1/4	1,856.16	1/4	1,577.66
1/2		1/2		1/2		1/2	3,242.83	1/2	2,964.33	1/2	2,685.84	1/2	2,407.34	1/2	2,128.85	1/2	1,850.35	1/2	1,571.85
3/4		3/4		3/4		3/4	3,237.03	3/4	2,958.53	3/4	2,680.04	3/4	2,401.54	3/4	2,123.05	3/4	1,844.55	3/4	1,566.05

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MMI 3051"

3 PORT

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,560.25	0	1,281.76	0	1,003.80	0	727.52	0	449.79	0	174.04	0		0		0		0	
1/4	1,554.45	1/4	1,275.96	1/4	998.06	1/4	721.73	1/4	444.00	1/4	168.46	1/4		1/4		1/4		1/4	
1/2	1,548.65	1/2	1,270.15	1/2	992.31	1/2	715.95	1/2	438.22	1/2	162.87	1/2		1/2		1/2		1/2	
3/4	1,542.85	3/4	1,264.35	3/4	986.56	3/4	710.16	3/4	432.43	3/4	157.28	3/4		3/4		3/4		3/4	
1	1,537.05	1	1,258.55	1	980.81	1	704.37	1	426.65	1	151.69	1		1		1		1	
1/4	1,531.25	1/4	1,252.75	1/4	975.06	1/4	698.59	1/4	420.86	1/4	146.10	1/4		1/4		1/4		1/4	
1/2	1,525.44	1/2	1,246.94	1/2	969.31	1/2	692.80	1/2	415.08	1/2	140.51	1/2		1/2		1/2		1/2	
3/4	1,519.64	3/4	1,241.14	3/4	963.56	3/4	687.01	3/4	409.29	3/4	134.92	3/4		3/4		3/4		3/4	
2	1,513.84	2	1,235.34	2	957.81	2	681.23	2	403.50	2	129.33	2		2		2		2	
1/4	1,508.04	1/4	1,229.54	1/4	952.07	1/4	675.44	1/4	397.72	1/4	123.75	1/4		1/4		1/4		1/4	
1/2	1,502.23	1/2	1,223.73	1/2	946.32	1/2	669.66	1/2	391.93	1/2	118.16	1/2		1/2		1/2		1/2	
3/4	1,496.43	3/4	1,217.93	3/4	940.57	3/4	663.87	3/4	386.14	3/4	112.57	3/4		3/4		3/4		3/4	
3	1,490.63	3	1,212.13	3	934.82	3	658.09	3	380.36	3	106.93	3		3		3		3	
1/4	1,484.83	1/4	1,206.33	1/4	929.08	1/4	652.30	1/4	374.57	1/4	101.30	1/4		1/4		1/4		1/4	
1/2	1,479.02	1/2	1,200.53	1/2	923.33	1/2	646.52	1/2	368.79	1/2	95.66	1/2		1/2		1/2		1/2	
3/4	1,473.22	3/4	1,194.73	3/4	917.58	3/4	640.73	3/4	363.00	3/4	90.02	3/4		3/4		3/4		3/4	
4	1,467.42	4	1,188.93	4	911.83	4	634.94	4	357.21	4	84.24	4		4		4		4	
1/4	1,461.62	1/4	1,183.13	1/4	906.09	1/4	629.16	1/4	351.43	1/4	78.45	1/4		1/4		1/4		1/4	
1/2	1,455.81	1/2	1,177.32	1/2	900.34	1/2	623.37	1/2	345.64	1/2	72.67	1/2		1/2		1/2		1/2	
3/4	1,450.01	3/4	1,171.52	3/4	894.59	3/4	617.58	3/4	339.85	3/4	66.88	3/4		3/4		3/4		3/4	
5	1,444.21	5	1,165.72	5	888.84	5	611.80	5	334.07	5	61.09	5		5		5		5	
1/4	1,438.41	1/4	1,159.92	1/4	883.10	1/4	606.01	1/4	328.28	1/4	55.31	1/4		1/4		1/4		1/4	
1/2	1,432.61	1/2	1,154.11	1/2	877.35	1/2	600.23	1/2	322.50	1/2	49.52	1/2		1/2		1/2		1/2	
3/4	1,426.81	3/4	1,148.31	3/4	871.60	3/4	594.44	3/4	316.71	3/4	43.73	3/4		3/4		3/4		3/4	
6	1,421.01	6	1,142.51	6	865.85	6	588.65	6	310.93	6	38.86	6		6		6		6	
1/4	1,415.21	1/4	1,136.71	1/4	860.10	1/4	582.87	1/4	305.14	1/4	34.00	1/4		1/4		1/4		1/4	
1/2	1,409.40	1/2	1,130.90	1/2	854.35	1/2	577.08	1/2	299.36	1/2	29.13	1/2		1/2		1/2		1/2	
3/4	1,403.60	3/4	1,125.10	3/4	848.60	3/4	571.29	3/4	293.57	3/4	24.26	3/4		3/4		3/4		3/4	
7	1,397.80	7	1,119.30	7	842.85	7	565.51	7	287.78	7	20.79	7		7		7		7	
1/4	1,392.00	1/4	1,113.50	1/4	837.11	1/4	559.72	1/4	282.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,386.19	1/2	1,107.69	1/2	831.36	1/2	553.94	1/2	276.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,380.39	3/4	1,101.89	3/4	825.61	3/4	548.15	3/4	270.42	3/4		3/4		3/4		3/4		3/4	
8	1,374.59	8	1,096.09	8	819.86	8	542.37	8	264.64	8		8		8		8		8	
1/4	1,368.79	1/4	1,090.29	1/4	814.12	1/4	536.58	1/4	258.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,362.98	1/2	1,084.49	1/2	808.37	1/2	530.80	1/2	253.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,357.18	3/4	1,078.69	3/4	802.62	3/4	525.01	3/4	247.28	3/4		3/4		3/4		3/4		3/4	
9	1,351.38	9	1,072.90	9	796.86	9	519.22	9	241.54	9		9		9		9		9	
1/4	1,345.58	1/4	1,067.11	1/4	791.11	1/4	513.44	1/4	235.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,339.77	1/2	1,061.32	1/2	785.35	1/2	507.65	1/2	230.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,333.97	3/4	1,055.53	3/4	779.59	3/4	501.86	3/4	224.33	3/4		3/4		3/4		3/4		3/4	
10	1,328.17	10	1,049.78	10	773.81	10	496.08	10	218.74	10		10		10		10		10	
1/4	1,322.37	1/4	1,044.04	1/4	768.02	1/4	490.29	1/4	213.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,316.57	1/2	1,038.29	1/2	762.24	1/2	484.51	1/2	207.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,310.77	3/4	1,032.54	3/4	756.45	3/4	478.72	3/4	201.98	3/4		3/4		3/4		3/4		3/4	
11	1,304.97	11	1,026.79	11	750.66	11	472.93	11	196.39	11		11		11		11		11	
1/4	1,299.17	1/4	1,021.05	1/4	744.88	1/4	467.15	1/4	190.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,293.36	1/2	1,015.30	1/2	739.09	1/2	461.36	1/2	185.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,287.56	3/4	1,009.55	3/4	733.30	3/4	455.57	3/4	179.63	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2006 INSP.
RECALCULATED: 06/06/2024 CL
VERIFIED: 06/06/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2024

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

BARGE "MMI 3051"

3 STBD

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,493.94	0	3,231.23	0	2,952.73	0	2,674.24	0	2,395.74	0	2,117.25	0	1,838.75
1/4		1/4		1/4		1/4	3,490.67	1/4	3,225.43	1/4	2,946.93	1/4	2,668.44	1/4	2,389.94	1/4	2,111.45	1/4	1,832.95
1/2		1/2		1/2		1/2	3,487.40	1/2	3,219.62	1/2	2,941.13	1/2	2,662.63	1/2	2,384.13	1/2	2,105.64	1/2	1,827.14
3/4		3/4		3/4		3/4	3,484.13	3/4	3,213.82	3/4	2,935.33	3/4	2,656.83	3/4	2,378.33	3/4	2,099.84	3/4	1,821.34
1		1		1		1	3,479.86	1	3,208.02	1	2,929.53	1	2,651.03	1	2,372.53	1	2,094.04	1	1,815.54
1/4		1/4		1/4		1/4	3,475.58	1/4	3,202.22	1/4	2,923.73	1/4	2,645.23	1/4	2,366.73	1/4	2,088.24	1/4	1,809.74
1/2		1/2		1/2		1/2	3,471.31	1/2	3,196.41	1/2	2,917.92	1/2	2,639.42	1/2	2,360.93	1/2	2,082.43	1/2	1,803.93
3/4		3/4		3/4		3/4	3,467.03	3/4	3,190.61	3/4	2,912.12	3/4	2,633.62	3/4	2,355.13	3/4	2,076.63	3/4	1,798.13
2		2		2		2	3,461.75	2	3,184.81	2	2,906.32	2	2,627.82	2	2,349.33	2	2,070.83	2	1,792.33
1/4		1/4		1/4		1/4	3,456.47	1/4	3,179.01	1/4	2,900.52	1/4	2,622.02	1/4	2,343.53	1/4	2,065.03	1/4	1,786.53
1/2		1/2		1/2		1/2	3,451.18	1/2	3,173.21	1/2	2,894.71	1/2	2,616.21	1/2	2,337.72	1/2	2,059.22	1/2	1,780.73
3/4		3/4		3/4		3/4	3,445.90	3/4	3,167.41	3/4	2,888.91	3/4	2,610.41	3/4	2,331.92	3/4	2,053.42	3/4	1,774.93
3		3		3		3	3,440.10	3	3,161.61	3	2,883.11	3	2,604.61	3	2,326.12	3	2,047.62	3	1,769.13
1/4		1/4		1/4		1/4	3,434.30	1/4	3,155.81	1/4	2,877.31	1/4	2,598.81	1/4	2,320.32	1/4	2,041.82	1/4	1,763.33
1/2		1/2		1/2		1/2	3,428.49	1/2	3,150.00	1/2	2,871.50	1/2	2,593.01	1/2	2,314.51	1/2	2,036.01	1/2	1,757.52
3/4		3/4		3/4		3/4	3,422.69	3/4	3,144.20	3/4	2,865.70	3/4	2,587.21	3/4	2,308.71	3/4	2,030.21	3/4	1,751.72
4		4		4		4	3,416.89	4	3,138.40	4	2,859.90	4	2,581.41	4	2,302.91	4	2,024.41	4	1,745.92
1/4		1/4		1/4		1/4	3,411.09	1/4	3,132.60	1/4	2,854.10	1/4	2,575.61	1/4	2,297.11	1/4	2,018.61	1/4	1,740.12
1/2		1/2		1/2		1/2	3,405.29	1/2	3,126.79	1/2	2,848.29	1/2	2,569.80	1/2	2,291.30	1/2	2,012.81	1/2	1,734.31
3/4		3/4		3/4		3/4	3,399.49	3/4	3,120.99	3/4	2,842.49	3/4	2,564.00	3/4	2,285.50	3/4	2,007.01	3/4	1,728.51
5		5		5		5	3,393.69	5	3,115.19	5	2,836.69	5	2,558.20	5	2,279.70	5	2,001.21	5	1,722.71
1/4		1/4		1/4		1/4	3,387.89	1/4	3,109.39	1/4	2,830.89	1/4	2,552.40	1/4	2,273.90	1/4	1,995.41	1/4	1,716.91
1/2		1/2		1/2		1/2	3,382.08	1/2	3,103.58	1/2	2,825.09	1/2	2,546.59	1/2	2,268.09	1/2	1,989.60	1/2	1,711.10
3/4		3/4		3/4		3/4	3,376.28	3/4	3,097.78	3/4	2,819.29	3/4	2,540.79	3/4	2,262.29	3/4	1,983.80	3/4	1,705.30
6		6		6		6	3,370.48	6	3,091.98	6	2,813.49	6	2,534.99	6	2,256.49	6	1,978.00	6	1,699.50
1/4		1/4		1/4		1/4	3,364.68	1/4	3,086.18	1/4	2,807.69	1/4	2,529.19	1/4	2,250.69	1/4	1,972.20	1/4	1,693.70
1/2		1/2		1/2		1/2	3,358.87	1/2	3,080.37	1/2	2,801.88	1/2	2,523.38	1/2	2,244.89	1/2	1,966.39	1/2	1,687.89
3/4		3/4		3/4		3/4	3,353.07	3/4	3,074.57	3/4	2,796.08	3/4	2,517.58	3/4	2,239.09	3/4	1,960.59	3/4	1,682.09
7		7		7		7	3,347.27	7	3,068.77	7	2,790.28	7	2,511.78	7	2,233.29	7	1,954.79	7	1,676.29
1/4		1/4		1/4		1/4	3,341.47	1/4	3,062.97	1/4	2,784.48	1/4	2,505.98	1/4	2,227.49	1/4	1,948.99	1/4	1,670.49
1/2		1/2		1/2		1/2	3,335.66	1/2	3,057.17	1/2	2,778.67	1/2	2,500.17	1/2	2,221.68	1/2	1,943.18	1/2	1,664.69
3/4		3/4		3/4		3/4	3,329.86	3/4	3,051.37	3/4	2,772.87	3/4	2,494.37	3/4	2,215.88	3/4	1,937.38	3/4	1,658.89
8		8		8		8	3,324.06	8	3,045.57	8	2,767.07	8	2,488.57	8	2,210.08	8	1,931.58	8	1,653.09
1/4		1/4		1/4		1/4	3,318.26	1/4	3,039.77	1/4	2,761.27	1/4	2,482.77	1/4	2,204.28	1/4	1,925.78	1/4	1,647.29
1/2		1/2		1/2		1/2	3,312.45	1/2	3,033.96	1/2	2,755.46	1/2	2,476.97	1/2	2,198.47	1/2	1,919.97	1/2	1,641.48
3/4		3/4		3/4		3/4	3,306.65	3/4	3,028.16	3/4	2,749.66	3/4	2,471.17	3/4	2,192.67	3/4	1,914.17	3/4	1,635.68
9		9		9		9	3,300.85	9	3,022.36	9	2,743.86	9	2,465.37	9	2,186.87	9	1,908.37	9	1,629.88
1/4		1/4		1/4		1/4	3,295.05	1/4	3,016.56	1/4	2,738.06	1/4	2,459.57	1/4	2,181.07	1/4	1,902.57	1/4	1,624.08
1/2		1/2		1/2		1/2	3,289.25	1/2	3,010.75	1/2	2,732.25	1/2	2,453.76	1/2	2,175.26	1/2	1,896.77	1/2	1,618.27
3/4		3/4		3/4		3/4	3,283.45	3/4	3,004.95	3/4	2,726.45	3/4	2,447.96	3/4	2,169.46	3/4	1,890.97	3/4	1,612.47
10		10		10		10	3,277.65	10	2,999.15	10	2,720.65	10	2,442.16	10	2,163.66	10	1,885.17	10	1,606.67
1/4		1/4		1/4		1/4	3,271.85	1/4	2,993.35	1/4	2,714.85	1/4	2,436.36	1/4	2,157.86	1/4	1,879.37	1/4	1,600.87
1/2		1/2		1/2		1/2	3,266.04	1/2	2,987.54	1/2	2,709.05	1/2	2,430.55	1/2	2,152.05	1/2	1,873.56	1/2	1,595.06
3/4		3/4		3/4		3/4	3,260.24	3/4	2,981.74	3/4	2,703.25	3/4	2,424.75	3/4	2,146.25	3/4	1,867.76	3/4	1,589.26
11		11		11		11	3,254.44	11	2,975.94	11	2,697.45	11	2,418.95	11	2,140.45	11	1,861.96	11	1,583.46
1/4		1/4		1/4		1/4	3,248.64	1/4	2,970.14	1/4	2,691.65	1/4	2,413.15	1/4	2,134.65	1/4	1,856.16	1/4	1,577.66
1/2		1/2		1/2		1/2	3,242.83	1/2	2,964.33	1/2	2,685.84	1/2	2,407.34	1/2	2,128.85	1/2	1,850.35	1/2	1,571.85
3/4		3/4		3/4		3/4	3,237.03	3/4	2,958.53	3/4	2,680.04	3/4	2,401.54	3/4	2,123.05	3/4	1,844.55	3/4	1,566.05

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MMI 3051"

3 STBD

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,560.25	0	1,281.76	0	1,003.80	0	727.52	0	449.79	0	174.04	0		0		0		0	
1/4	1,554.45	1/4	1,275.96	1/4	998.06	1/4	721.73	1/4	444.00	1/4	168.46	1/4		1/4		1/4		1/4	
1/2	1,548.65	1/2	1,270.15	1/2	992.31	1/2	715.95	1/2	438.22	1/2	162.87	1/2		1/2		1/2		1/2	
3/4	1,542.85	3/4	1,264.35	3/4	986.56	3/4	710.16	3/4	432.43	3/4	157.28	3/4		3/4		3/4		3/4	
1	1,537.05	1	1,258.55	1	980.81	1	704.37	1	426.65	1	151.69	1		1		1		1	
1/4	1,531.25	1/4	1,252.75	1/4	975.06	1/4	698.59	1/4	420.86	1/4	146.10	1/4		1/4		1/4		1/4	
1/2	1,525.44	1/2	1,246.94	1/2	969.31	1/2	692.80	1/2	415.08	1/2	140.51	1/2		1/2		1/2		1/2	
3/4	1,519.64	3/4	1,241.14	3/4	963.56	3/4	687.01	3/4	409.29	3/4	134.92	3/4		3/4		3/4		3/4	
2	1,513.84	2	1,235.34	2	957.81	2	681.23	2	403.50	2	129.33	2		2		2		2	
1/4	1,508.04	1/4	1,229.54	1/4	952.07	1/4	675.44	1/4	397.72	1/4	123.75	1/4		1/4		1/4		1/4	
1/2	1,502.23	1/2	1,223.73	1/2	946.32	1/2	669.66	1/2	391.93	1/2	118.16	1/2		1/2		1/2		1/2	
3/4	1,496.43	3/4	1,217.93	3/4	940.57	3/4	663.87	3/4	386.14	3/4	112.57	3/4		3/4		3/4		3/4	
3	1,490.63	3	1,212.13	3	934.82	3	658.09	3	380.36	3	106.93	3		3		3		3	
1/4	1,484.83	1/4	1,206.33	1/4	929.08	1/4	652.30	1/4	374.57	1/4	101.30	1/4		1/4		1/4		1/4	
1/2	1,479.02	1/2	1,200.53	1/2	923.33	1/2	646.52	1/2	368.79	1/2	95.66	1/2		1/2		1/2		1/2	
3/4	1,473.22	3/4	1,194.73	3/4	917.58	3/4	640.73	3/4	363.00	3/4	90.02	3/4		3/4		3/4		3/4	
4	1,467.42	4	1,188.93	4	911.83	4	634.94	4	357.21	4	84.24	4		4		4		4	
1/4	1,461.62	1/4	1,183.13	1/4	906.09	1/4	629.16	1/4	351.43	1/4	78.45	1/4		1/4		1/4		1/4	
1/2	1,455.81	1/2	1,177.32	1/2	900.34	1/2	623.37	1/2	345.64	1/2	72.67	1/2		1/2		1/2		1/2	
3/4	1,450.01	3/4	1,171.52	3/4	894.59	3/4	617.58	3/4	339.85	3/4	66.88	3/4		3/4		3/4		3/4	
5	1,444.21	5	1,165.72	5	888.84	5	611.80	5	334.07	5	61.09	5		5		5		5	
1/4	1,438.41	1/4	1,159.92	1/4	883.10	1/4	606.01	1/4	328.28	1/4	55.31	1/4		1/4		1/4		1/4	
1/2	1,432.61	1/2	1,154.11	1/2	877.35	1/2	600.23	1/2	322.50	1/2	49.52	1/2		1/2		1/2		1/2	
3/4	1,426.81	3/4	1,148.31	3/4	871.60	3/4	594.44	3/4	316.71	3/4	43.73	3/4		3/4		3/4		3/4	
6	1,421.01	6	1,142.51	6	865.85	6	588.65	6	310.93	6	38.86	6		6		6		6	
1/4	1,415.21	1/4	1,136.71	1/4	860.10	1/4	582.87	1/4	305.14	1/4	34.00	1/4		1/4		1/4		1/4	
1/2	1,409.40	1/2	1,130.90	1/2	854.35	1/2	577.08	1/2	299.36	1/2	29.13	1/2		1/2		1/2		1/2	
3/4	1,403.60	3/4	1,125.10	3/4	848.60	3/4	571.29	3/4	293.57	3/4	24.26	3/4		3/4		3/4		3/4	
7	1,397.80	7	1,119.30	7	842.85	7	565.51	7	287.78	7	20.79	7		7		7		7	
1/4	1,392.00	1/4	1,113.50	1/4	837.11	1/4	559.72	1/4	282.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,386.19	1/2	1,107.69	1/2	831.36	1/2	553.94	1/2	276.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,380.39	3/4	1,101.89	3/4	825.61	3/4	548.15	3/4	270.42	3/4		3/4		3/4		3/4		3/4	
8	1,374.59	8	1,096.09	8	819.86	8	542.37	8	264.64	8		8		8		8		8	
1/4	1,368.79	1/4	1,090.29	1/4	814.12	1/4	536.58	1/4	258.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,362.98	1/2	1,084.49	1/2	808.37	1/2	530.80	1/2	253.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,357.18	3/4	1,078.69	3/4	802.62	3/4	525.01	3/4	247.28	3/4		3/4		3/4		3/4		3/4	
9	1,351.38	9	1,072.90	9	796.86	9	519.22	9	241.54	9		9		9		9		9	
1/4	1,345.58	1/4	1,067.11	1/4	791.11	1/4	513.44	1/4	235.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,339.77	1/2	1,061.32	1/2	785.35	1/2	507.65	1/2	230.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,333.97	3/4	1,055.53	3/4	779.59	3/4	501.86	3/4	224.33	3/4		3/4		3/4		3/4		3/4	
10	1,328.17	10	1,049.78	10	773.81	10	496.08	10	218.74	10		10		10		10		10	
1/4	1,322.37	1/4	1,044.04	1/4	768.02	1/4	490.29	1/4	213.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,316.57	1/2	1,038.29	1/2	762.24	1/2	484.51	1/2	207.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,310.77	3/4	1,032.54	3/4	756.45	3/4	478.72	3/4	201.98	3/4		3/4		3/4		3/4		3/4	
11	1,304.97	11	1,026.79	11	750.66	11	472.93	11	196.39	11		11		11		11		11	
1/4	1,299.17	1/4	1,021.05	1/4	744.88	1/4	467.15	1/4	190.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,293.36	1/2	1,015.30	1/2	739.09	1/2	461.36	1/2	185.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,287.56	3/4	1,009.55	3/4	733.30	3/4	455.57	3/4	179.63	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2006 INSP.
RECALCULATED: 06/06/2024 CL
VERIFIED: 06/06/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2024

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

BARGE "MMI 3051"

4 PORT

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	3,066.99	0	2,944.10	0	2,671.20	0	2,395.10	0	2,119.01	0	1,842.91
1/4		1/4		1/4		1/4	3,158.80	1/4	3,064.92	1/4	2,938.99	1/4	2,665.45	1/4	2,389.35	1/4	2,113.26	1/4	1,837.16
1/2		1/2		1/2		1/2	3,157.63	1/2	3,062.85	1/2	2,933.88	1/2	2,659.70	1/2	2,383.60	1/2	2,107.51	1/2	1,831.41
3/4		3/4		3/4		3/4	3,156.46	3/4	3,060.77	3/4	2,928.76	3/4	2,653.94	3/4	2,377.85	3/4	2,101.75	3/4	1,825.65
1		1		1		1	3,155.28	1	3,058.70	1	2,923.65	1	2,648.19	1	2,372.10	1	2,096.00	1	1,819.90
1/4		1/4		1/4		1/4	3,153.75	1/4	3,056.63	1/4	2,918.06	1/4	2,642.44	1/4	2,366.35	1/4	2,090.25	1/4	1,814.15
1/2		1/2		1/2		1/2	3,152.22	1/2	3,054.56	1/2	2,912.47	1/2	2,636.69	1/2	2,360.60	1/2	2,084.50	1/2	1,808.40
3/4		3/4		3/4		3/4	3,150.69	3/4	3,052.49	3/4	2,906.87	3/4	2,630.93	3/4	2,354.84	3/4	2,078.74	3/4	1,802.64
2		2		2		2	3,149.15	2	3,050.42	2	2,901.28	2	2,625.18	2	2,349.09	2	2,072.99	2	1,796.89
1/4		1/4		1/4		1/4	3,147.26	1/4	3,048.35	1/4	2,895.53	1/4	2,619.43	1/4	2,343.34	1/4	2,067.24	1/4	1,791.14
1/2		1/2		1/2		1/2	3,145.37	1/2	3,046.28	1/2	2,889.78	1/2	2,613.68	1/2	2,337.59	1/2	2,061.49	1/2	1,785.39
3/4		3/4		3/4		3/4	3,143.48	3/4	3,044.20	3/4	2,884.02	3/4	2,607.93	3/4	2,331.83	3/4	2,055.73	3/4	1,779.64
3		3		3		3	3,141.58	3	3,042.13	3	2,878.27	3	2,602.18	3	2,326.08	3	2,049.98	3	1,773.89
1/4		1/4		1/4		1/4	3,139.51	1/4	3,040.06	1/4	2,872.52	1/4	2,596.43	1/4	2,320.33	1/4	2,044.23	1/4	1,768.14
1/2		1/2		1/2		1/2	3,137.44	1/2	3,037.99	1/2	2,866.77	1/2	2,590.68	1/2	2,314.58	1/2	2,038.48	1/2	1,762.39
3/4		3/4		3/4		3/4	3,135.37	3/4	3,035.91	3/4	2,861.01	3/4	2,584.92	3/4	2,308.82	3/4	2,032.72	3/4	1,756.63
4		4		4		4	3,133.30	4	3,033.84	4	2,855.26	4	2,579.17	4	2,303.07	4	2,026.97	4	1,750.88
1/4		1/4		1/4		1/4	3,131.23	1/4	3,031.77	1/4	2,849.51	1/4	2,573.42	1/4	2,297.32	1/4	2,021.22	1/4	1,745.13
1/2		1/2		1/2		1/2	3,129.16	1/2	3,029.70	1/2	2,843.76	1/2	2,567.67	1/2	2,291.57	1/2	2,015.47	1/2	1,739.38
3/4		3/4		3/4		3/4	3,127.09	3/4	3,027.62	3/4	2,838.01	3/4	2,561.91	3/4	2,285.81	3/4	2,009.72	3/4	1,733.62
5		5		5		5	3,125.01	5	3,025.55	5	2,832.26	5	2,556.16	5	2,280.06	5	2,003.97	5	1,727.87
1/4		1/4		1/4		1/4	3,122.94	1/4	3,023.48	1/4	2,826.51	1/4	2,550.41	1/4	2,274.31	1/4	1,998.22	1/4	1,722.12
1/2		1/2		1/2		1/2	3,120.87	1/2	3,021.41	1/2	2,820.76	1/2	2,544.66	1/2	2,268.56	1/2	1,992.47	1/2	1,716.37
3/4		3/4		3/4		3/4	3,118.80	3/4	3,019.33	3/4	2,815.00	3/4	2,538.90	3/4	2,262.81	3/4	1,986.71	3/4	1,710.61
6		6		6		6	3,116.72	6	3,017.26	6	2,809.25	6	2,533.15	6	2,257.06	6	1,980.96	6	1,704.86
1/4		1/4		1/4		1/4	3,114.65	1/4	3,015.19	1/4	2,803.50	1/4	2,527.40	1/4	2,251.31	1/4	1,975.21	1/4	1,699.11
1/2		1/2		1/2		1/2	3,112.58	1/2	3,013.12	1/2	2,797.75	1/2	2,521.65	1/2	2,245.56	1/2	1,969.46	1/2	1,693.36
3/4		3/4		3/4		3/4	3,110.51	3/4	3,011.05	3/4	2,791.99	3/4	2,515.89	3/4	2,239.80	3/4	1,963.70	3/4	1,687.60
7		7		7		7	3,108.43	7	3,008.98	7	2,786.24	7	2,510.14	7	2,234.05	7	1,957.95	7	1,681.85
1/4		1/4		1/4		1/4	3,106.36	1/4	3,006.85	1/4	2,780.49	1/4	2,504.39	1/4	2,228.30	1/4	1,952.20	1/4	1,676.10
1/2		1/2		1/2		1/2	3,104.29	1/2	3,004.72	1/2	2,774.74	1/2	2,498.64	1/2	2,222.55	1/2	1,946.45	1/2	1,670.35
3/4		3/4		3/4		3/4	3,102.22	3/4	3,002.58	3/4	2,768.98	3/4	2,492.89	3/4	2,216.79	3/4	1,940.69	3/4	1,664.60
8		8		8		8	3,100.14	8	3,000.45	8	2,763.23	8	2,487.14	8	2,211.04	8	1,934.94	8	1,658.85
1/4		1/4		1/4		1/4	3,098.07	1/4	2,997.86	1/4	2,757.48	1/4	2,481.39	1/4	2,205.29	1/4	1,929.19	1/4	1,653.10
1/2		1/2		1/2		1/2	3,096.00	1/2	2,995.27	1/2	2,751.73	1/2	2,475.64	1/2	2,199.54	1/2	1,923.44	1/2	1,647.35
3/4		3/4		3/4		3/4	3,093.93	3/4	2,992.67	3/4	2,745.97	3/4	2,469.88	3/4	2,193.78	3/4	1,917.68	3/4	1,641.59
9		9		9		9	3,091.86	9	2,990.08	9	2,740.22	9	2,464.13	9	2,188.03	9	1,911.93	9	1,635.84
1/4		1/4		1/4		1/4	3,089.79	1/4	2,986.89	1/4	2,734.47	1/4	2,458.38	1/4	2,182.28	1/4	1,906.18	1/4	1,630.09
1/2		1/2		1/2		1/2	3,087.72	1/2	2,983.70	1/2	2,728.72	1/2	2,452.63	1/2	2,176.53	1/2	1,900.43	1/2	1,624.34
3/4		3/4		3/4		3/4	3,085.65	3/4	2,980.50	3/4	2,722.97	3/4	2,446.87	3/4	2,170.77	3/4	1,894.68	3/4	1,618.58
10		10		10		10	3,083.57	10	2,977.31	10	2,717.22	10	2,441.12	10	2,165.02	10	1,888.93	10	1,612.83
1/4		1/4		1/4		1/4	3,081.50	1/4	2,973.48	1/4	2,711.47	1/4	2,435.37	1/4	2,159.27	1/4	1,883.18	1/4	1,607.08
1/2		1/2		1/2		1/2	3,079.43	1/2	2,969.65	1/2	2,705.72	1/2	2,429.62	1/2	2,153.52	1/2	1,877.43	1/2	1,601.33
3/4		3/4		3/4		3/4	3,077.35	3/4	2,965.81	3/4	2,699.96	3/4	2,423.86	3/4	2,147.76	3/4	1,871.67	3/4	1,595.57
11		11		11		11	3,075.28	11	2,961.98	11	2,694.21	11	2,418.11	11	2,142.01	11	1,865.92	11	1,589.82
1/4		1/4		1/4		1/4	3,073.21	1/4	2,957.51	1/4	2,688.46	1/4	2,412.36	1/4	2,136.26	1/4	1,860.17	1/4	1,584.07
1/2		1/2		1/2		1/2	3,071.14	1/2	2,953.04	1/2	2,682.71	1/2	2,406.61	1/2	2,130.51	1/2	1,854.42	1/2	1,578.32
3/4		3/4		3/4		3/4	3,069.06	3/4	2,948.57	3/4	2,676.95	3/4	2,400.85	3/4	2,124.76	3/4	1,848.66	3/4	1,572.56

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 52'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "MMI 3051"

4 PORT

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,566.81	0	1,290.72	0	1,014.95	0	740.25	0	464.16	0	189.70	0		0		0		0	
1/4	1,561.06	1/4	1,284.97	1/4	1,009.23	1/4	734.50	1/4	458.41	1/4	184.13	1/4		1/4		1/4		1/4	
1/2	1,555.31	1/2	1,279.22	1/2	1,003.52	1/2	728.75	1/2	452.66	1/2	178.56	1/2		1/2		1/2		1/2	
3/4	1,549.56	3/4	1,273.46	3/4	997.80	3/4	723.00	3/4	446.90	3/4	172.99	3/4		3/4		3/4		3/4	
1	1,543.81	1	1,267.71	1	992.08	1	717.25	1	441.15	1	167.42	1		1		1		1	
1/4	1,538.06	1/4	1,261.96	1/4	986.37	1/4	711.50	1/4	435.40	1/4	161.85	1/4		1/4		1/4		1/4	
1/2	1,532.31	1/2	1,256.21	1/2	980.65	1/2	705.75	1/2	429.65	1/2	156.28	1/2		1/2		1/2		1/2	
3/4	1,526.55	3/4	1,250.45	3/4	974.94	3/4	699.99	3/4	423.89	3/4	150.71	3/4		3/4		3/4		3/4	
2	1,520.80	2	1,244.70	2	969.22	2	694.24	2	418.14	2	145.14	2		2		2		2	
1/4	1,515.05	1/4	1,238.95	1/4	963.50	1/4	688.49	1/4	412.39	1/4	139.57	1/4		1/4		1/4		1/4	
1/2	1,509.30	1/2	1,233.20	1/2	957.79	1/2	682.74	1/2	406.64	1/2	134.00	1/2		1/2		1/2		1/2	
3/4	1,503.54	3/4	1,227.44	3/4	952.07	3/4	676.98	3/4	400.88	3/4	128.43	3/4		3/4		3/4		3/4	
3	1,497.79	3	1,221.69	3	946.35	3	671.23	3	395.13	3	122.86	3		3		3		3	
1/4	1,492.04	1/4	1,215.94	1/4	940.64	1/4	665.48	1/4	389.38	1/4	117.25	1/4		1/4		1/4		1/4	
1/2	1,486.29	1/2	1,210.19	1/2	934.92	1/2	659.73	1/2	383.63	1/2	111.63	1/2		1/2		1/2		1/2	
3/4	1,480.53	3/4	1,204.44	3/4	929.21	3/4	653.97	3/4	377.88	3/4	106.02	3/4		3/4		3/4		3/4	
4	1,474.78	4	1,198.69	4	923.49	4	648.22	4	372.13	4	100.40	4		4		4		4	
1/4	1,469.03	1/4	1,192.94	1/4	917.78	1/4	642.47	1/4	366.38	1/4	94.65	1/4		1/4		1/4		1/4	
1/2	1,463.28	1/2	1,187.19	1/2	912.06	1/2	636.72	1/2	360.63	1/2	88.90	1/2		1/2		1/2		1/2	
3/4	1,457.52	3/4	1,181.43	3/4	906.35	3/4	630.96	3/4	354.87	3/4	83.14	3/4		3/4		3/4		3/4	
5	1,451.77	5	1,175.68	5	900.63	5	625.21	5	349.12	5	77.39	5		5		5		5	
1/4	1,446.02	1/4	1,169.93	1/4	894.91	1/4	619.46	1/4	343.37	1/4	71.64	1/4		1/4		1/4		1/4	
1/2	1,440.27	1/2	1,164.18	1/2	889.20	1/2	613.71	1/2	337.62	1/2	65.89	1/2		1/2		1/2		1/2	
3/4	1,434.52	3/4	1,158.42	3/4	883.48	3/4	607.96	3/4	331.86	3/4	60.13	3/4		3/4		3/4		3/4	
6	1,428.77	6	1,152.67	6	877.76	6	602.21	6	326.11	6	54.38	6		6		6		6	
1/4	1,423.02	1/4	1,146.92	1/4	872.05	1/4	596.46	1/4	320.36	1/4	49.54	1/4		1/4		1/4		1/4	
1/2	1,417.27	1/2	1,141.17	1/2	866.33	1/2	590.71	1/2	314.61	1/2	44.70	1/2		1/2		1/2		1/2	
3/4	1,411.51	3/4	1,135.41	3/4	860.62	3/4	584.95	3/4	308.85	3/4	39.86	3/4		3/4		3/4		3/4	
7	1,405.76	7	1,129.66	7	854.90	7	579.20	7	303.10	7	35.02	7		7		7		7	
1/4	1,400.01	1/4	1,123.91	1/4	849.18	1/4	573.45	1/4	297.35	1/4	20.66	1/4		1/4		1/4		1/4	
1/2	1,394.26	1/2	1,118.16	1/2	843.47	1/2	567.70	1/2	291.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,388.50	3/4	1,112.40	3/4	837.75	3/4	561.94	3/4	285.85	3/4		3/4		3/4		3/4		3/4	
8	1,382.75	8	1,106.65	8	832.03	8	556.19	8	280.10	8		8		8		8		8	
1/4	1,377.00	1/4	1,100.90	1/4	826.32	1/4	550.44	1/4	274.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,371.25	1/2	1,095.15	1/2	820.60	1/2	544.69	1/2	268.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,365.49	3/4	1,089.40	3/4	814.89	3/4	538.93	3/4	262.84	3/4		3/4		3/4		3/4		3/4	
9	1,359.74	9	1,083.65	9	809.17	9	533.18	9	257.09	9		9		9		9		9	
1/4	1,353.99	1/4	1,077.91	1/4	803.45	1/4	527.43	1/4	251.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,348.24	1/2	1,072.16	1/2	797.72	1/2	521.68	1/2	245.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,342.48	3/4	1,066.42	3/4	792.00	3/4	515.92	3/4	239.97	3/4		3/4		3/4		3/4		3/4	
10	1,336.73	10	1,060.67	10	786.27	10	510.17	10	234.26	10		10		10		10		10	
1/4	1,330.98	1/4	1,054.96	1/4	780.52	1/4	504.42	1/4	228.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,325.23	1/2	1,049.24	1/2	774.77	1/2	498.67	1/2	223.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,319.48	3/4	1,043.53	3/4	769.01	3/4	492.92	3/4	217.55	3/4		3/4		3/4		3/4		3/4	
11	1,313.73	11	1,037.81	11	763.26	11	487.17	11	211.98	11		11		11		11		11	
1/4	1,307.98	1/4	1,032.10	1/4	757.51	1/4	481.42	1/4	206.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,302.23	1/2	1,026.38	1/2	751.76	1/2	475.67	1/2	200.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,296.47	3/4	1,020.67	3/4	746.00	3/4	469.91	3/4	195.27	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2006 INSP.
RECALCULATED: 06/06/2024 CL
VERIFIED: 06/06/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2024

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

BARGE "MMI 3051"

4 STBD

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,158.80	0	3,064.93	0	2,938.99	0	2,663.99	0	2,386.26	0	2,108.54	0	1,830.81
1/4		1/4		1/4		1/4	3,157.63	1/4	3,062.86	1/4	2,933.88	1/4	2,658.20	1/4	2,380.48	1/4	2,102.75	1/4	1,825.02
1/2		1/2		1/2		1/2	3,156.46	1/2	3,060.78	1/2	2,928.76	1/2	2,652.42	1/2	2,374.69	1/2	2,096.96	1/2	1,819.24
3/4		3/4		3/4		3/4	3,155.28	3/4	3,058.71	3/4	2,923.65	3/4	2,646.63	3/4	2,368.90	3/4	2,091.17	3/4	1,813.45
1		1		1		1	3,153.75	1	3,056.64	1	2,918.04	1	2,640.85	1	2,363.12	1	2,085.39	1	1,807.67
1/4		1/4		1/4		1/4	3,152.22	1/4	3,054.57	1/4	2,912.43	1/4	2,635.06	1/4	2,357.33	1/4	2,079.60	1/4	1,801.88
1/2		1/2		1/2		1/2	3,150.69	1/2	3,052.49	1/2	2,906.82	1/2	2,629.28	1/2	2,351.55	1/2	2,073.82	1/2	1,796.09
3/4		3/4		3/4		3/4	3,149.16	3/4	3,050.42	3/4	2,901.21	3/4	2,623.49	3/4	2,345.76	3/4	2,068.03	3/4	1,790.30
2		2		2		2	3,147.27	2	3,048.35	2	2,895.43	2	2,617.70	2	2,339.98	2	2,062.25	2	1,784.52
1/4		1/4		1/4		1/4	3,145.38	1/4	3,046.28	1/4	2,889.64	1/4	2,611.92	1/4	2,334.19	1/4	2,056.46	1/4	1,778.73
1/2		1/2		1/2		1/2	3,143.49	1/2	3,044.20	1/2	2,883.86	1/2	2,606.13	1/2	2,328.40	1/2	2,050.68	1/2	1,772.95
3/4		3/4		3/4		3/4	3,141.59	3/4	3,042.13	3/4	2,878.07	3/4	2,600.34	3/4	2,322.61	3/4	2,044.89	3/4	1,767.16
3		3		3		3	3,139.52	3	3,040.06	3	2,872.29	3	2,594.56	3	2,316.83	3	2,039.11	3	1,761.38
1/4		1/4		1/4		1/4	3,137.45	1/4	3,037.99	1/4	2,866.50	1/4	2,588.77	1/4	2,311.04	1/4	2,033.32	1/4	1,755.59
1/2		1/2		1/2		1/2	3,135.38	1/2	3,035.91	1/2	2,860.72	1/2	2,582.99	1/2	2,305.26	1/2	2,027.53	1/2	1,749.80
3/4		3/4		3/4		3/4	3,133.30	3/4	3,033.84	3/4	2,854.93	3/4	2,577.20	3/4	2,299.47	3/4	2,021.74	3/4	1,744.01
4		4		4		4	3,131.23	4	3,031.77	4	2,849.14	4	2,571.41	4	2,293.69	4	2,015.96	4	1,738.23
1/4		1/4		1/4		1/4	3,129.16	1/4	3,029.70	1/4	2,843.36	1/4	2,565.63	1/4	2,287.90	1/4	2,010.17	1/4	1,732.44
1/2		1/2		1/2		1/2	3,127.09	1/2	3,027.62	1/2	2,837.57	1/2	2,559.84	1/2	2,282.12	1/2	2,004.39	1/2	1,726.66
3/4		3/4		3/4		3/4	3,125.01	3/4	3,025.55	3/4	2,831.78	3/4	2,554.05	3/4	2,276.33	3/4	1,998.60	3/4	1,720.87
5		5		5		5	3,122.94	5	3,023.48	5	2,826.00	5	2,548.27	5	2,270.55	5	1,992.82	5	1,715.09
1/4		1/4		1/4		1/4	3,120.87	1/4	3,021.41	1/4	2,820.21	1/4	2,542.48	1/4	2,264.76	1/4	1,987.03	1/4	1,709.30
1/2		1/2		1/2		1/2	3,118.80	1/2	3,019.34	1/2	2,814.43	1/2	2,536.70	1/2	2,258.97	1/2	1,981.24	1/2	1,703.52
3/4		3/4		3/4		3/4	3,116.72	3/4	3,017.27	3/4	2,808.64	3/4	2,530.91	3/4	2,253.18	3/4	1,975.45	3/4	1,697.73
6		6		6		6	3,114.65	6	3,015.20	6	2,802.85	6	2,525.13	6	2,247.40	6	1,969.67	6	1,691.95
1/4		1/4		1/4		1/4	3,112.58	1/4	3,013.13	1/4	2,797.07	1/4	2,519.34	1/4	2,241.61	1/4	1,963.88	1/4	1,686.16
1/2		1/2		1/2		1/2	3,110.51	1/2	3,011.05	1/2	2,791.28	1/2	2,513.56	1/2	2,235.83	1/2	1,958.10	1/2	1,680.37
3/4		3/4		3/4		3/4	3,108.44	3/4	3,008.98	3/4	2,785.49	3/4	2,507.77	3/4	2,230.04	3/4	1,952.31	3/4	1,674.58
7		7		7		7	3,106.37	7	3,006.85	7	2,779.71	7	2,501.98	7	2,224.26	7	1,946.53	7	1,668.80
1/4		1/4		1/4		1/4	3,104.30	1/4	3,004.72	1/4	2,773.92	1/4	2,496.20	1/4	2,218.47	1/4	1,940.74	1/4	1,663.01
1/2		1/2		1/2		1/2	3,102.23	1/2	3,002.58	1/2	2,768.14	1/2	2,490.41	1/2	2,212.68	1/2	1,934.96	1/2	1,657.23
3/4		3/4		3/4		3/4	3,100.15	3/4	3,000.45	3/4	2,762.35	3/4	2,484.62	3/4	2,206.89	3/4	1,929.17	3/4	1,651.44
8		8		8		8	3,098.08	8	2,997.86	8	2,756.57	8	2,478.84	8	2,201.11	8	1,923.39	8	1,645.66
1/4		1/4		1/4		1/4	3,096.01	1/4	2,995.27	1/4	2,750.78	1/4	2,473.05	1/4	2,195.32	1/4	1,917.60	1/4	1,639.87
1/2		1/2		1/2		1/2	3,093.93	1/2	2,992.67	1/2	2,745.00	1/2	2,467.27	1/2	2,189.54	1/2	1,911.81	1/2	1,634.08
3/4		3/4		3/4		3/4	3,091.86	3/4	2,990.08	3/4	2,739.21	3/4	2,461.48	3/4	2,183.75	3/4	1,906.02	3/4	1,628.29
9		9		9		9	3,089.79	9	2,986.89	9	2,733.42	9	2,455.69	9	2,177.97	9	1,900.24	9	1,622.51
1/4		1/4		1/4		1/4	3,087.72	1/4	2,983.70	1/4	2,727.64	1/4	2,449.91	1/4	2,172.18	1/4	1,894.45	1/4	1,616.72
1/2		1/2		1/2		1/2	3,085.64	1/2	2,980.50	1/2	2,721.85	1/2	2,444.12	1/2	2,166.40	1/2	1,888.67	1/2	1,610.94
3/4		3/4		3/4		3/4	3,083.57	3/4	2,977.31	3/4	2,716.06	3/4	2,438.33	3/4	2,160.61	3/4	1,882.88	3/4	1,605.15
10		10		10		10	3,081.50	10	2,973.48	10	2,710.28	10	2,432.55	10	2,154.83	10	1,877.10	10	1,599.37
1/4		1/4		1/4		1/4	3,079.43	1/4	2,969.65	1/4	2,704.49	1/4	2,426.76	1/4	2,149.04	1/4	1,871.31	1/4	1,593.58
1/2		1/2		1/2		1/2	3,077.35	1/2	2,965.82	1/2	2,698.71	1/2	2,420.98	1/2	2,143.25	1/2	1,865.52	1/2	1,587.80
3/4		3/4		3/4		3/4	3,075.28	3/4	2,961.99	3/4	2,692.92	3/4	2,415.19	3/4	2,137.46	3/4	1,859.73	3/4	1,582.01
11		11		11		11	3,073.21	11	2,957.52	11	2,687.13	11	2,409.41	11	2,131.68	11	1,853.95	11	1,576.23
1/4		1/4		1/4		1/4	3,071.14	1/4	2,953.05	1/4	2,681.35	1/4	2,403.62	1/4	2,125.89	1/4	1,848.16	1/4	1,570.44
1/2		1/2		1/2		1/2	3,069.07	1/2	2,948.57	1/2	2,675.56	1/2	2,397.84	1/2	2,120.11	1/2	1,842.38	1/2	1,564.65
3/4		3/4		3/4		3/4	3,067.00	3/4	2,944.10	3/4	2,669.77	3/4	2,392.05	3/4	2,114.32	3/4	1,836.59	3/4	1,558.86

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 52'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "MMI 3051"

4 STBD

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,553.08	0	1,275.35	0	998.33	0	723.59	0	447.50	0	173.22	0		0		0		0	
1/4	1,547.29	1/4	1,269.56	1/4	992.61	1/4	717.84	1/4	441.75	1/4	167.65	1/4		1/4		1/4		1/4	
1/2	1,541.51	1/2	1,263.78	1/2	986.89	1/2	712.09	1/2	435.99	1/2	162.08	1/2		1/2		1/2		1/2	
3/4	1,535.72	3/4	1,257.99	3/4	981.17	3/4	706.34	3/4	430.24	3/4	156.51	3/4		3/4		3/4		3/4	
1	1,529.94	1	1,252.21	1	975.46	1	700.59	1	424.49	1	150.94	1		1		1		1	
1/4	1,524.15	1/4	1,246.42	1/4	969.74	1/4	694.84	1/4	418.74	1/4	145.37	1/4		1/4		1/4		1/4	
1/2	1,518.36	1/2	1,240.64	1/2	964.03	1/2	689.08	1/2	412.98	1/2	139.80	1/2		1/2		1/2		1/2	
3/4	1,512.57	3/4	1,234.85	3/4	958.31	3/4	683.33	3/4	407.23	3/4	134.23	3/4		3/4		3/4		3/4	
2	1,506.79	2	1,229.07	2	952.60	2	677.58	2	401.48	2	128.66	2		2		2		2	
1/4	1,501.00	1/4	1,223.28	1/4	946.88	1/4	671.83	1/4	395.73	1/4	123.09	1/4		1/4		1/4		1/4	
1/2	1,495.22	1/2	1,217.49	1/2	941.16	1/2	666.07	1/2	389.97	1/2	117.52	1/2		1/2		1/2		1/2	
3/4	1,489.43	3/4	1,211.70	3/4	935.44	3/4	660.32	3/4	384.22	3/4	111.95	3/4		3/4		3/4		3/4	
3	1,483.65	3	1,205.92	3	929.73	3	654.57	3	378.47	3	106.34	3		3		3		3	
1/4	1,477.86	1/4	1,200.13	1/4	924.01	1/4	648.82	1/4	372.72	1/4	100.72	1/4		1/4		1/4		1/4	
1/2	1,472.08	1/2	1,194.35	1/2	918.30	1/2	643.06	1/2	366.97	1/2	95.11	1/2		1/2		1/2		1/2	
3/4	1,466.29	3/4	1,188.56	3/4	912.58	3/4	637.31	3/4	361.22	3/4	89.49	3/4		3/4		3/4		3/4	
4	1,460.51	4	1,182.78	4	906.87	4	631.56	4	355.47	4	83.74	4		4		4		4	
1/4	1,454.72	1/4	1,176.99	1/4	901.15	1/4	625.81	1/4	349.72	1/4	77.99	1/4		1/4		1/4		1/4	
1/2	1,448.93	1/2	1,171.20	1/2	895.44	1/2	620.05	1/2	343.96	1/2	72.23	1/2		1/2		1/2		1/2	
3/4	1,443.14	3/4	1,165.41	3/4	889.72	3/4	614.30	3/4	338.21	3/4	66.48	3/4		3/4		3/4		3/4	
5	1,437.36	5	1,159.63	5	884.01	5	608.55	5	332.46	5	60.73	5		5		5		5	
1/4	1,431.57	1/4	1,153.84	1/4	878.29	1/4	602.80	1/4	326.71	1/4	54.98	1/4		1/4		1/4		1/4	
1/2	1,425.79	1/2	1,148.06	1/2	872.57	1/2	597.05	1/2	320.95	1/2	49.22	1/2		1/2		1/2		1/2	
3/4	1,420.00	3/4	1,142.27	3/4	866.85	3/4	591.30	3/4	315.20	3/4	43.47	3/4		3/4		3/4		3/4	
6	1,414.22	6	1,136.49	6	861.14	6	585.55	6	309.45	6	38.63	6		6		6		6	
1/4	1,408.43	1/4	1,130.70	1/4	855.42	1/4	579.80	1/4	303.70	1/4	33.79	1/4		1/4		1/4		1/4	
1/2	1,402.64	1/2	1,124.92	1/2	849.71	1/2	574.04	1/2	297.94	1/2	28.95	1/2		1/2		1/2		1/2	
3/4	1,396.85	3/4	1,119.13	3/4	843.99	3/4	568.29	3/4	292.19	3/4	24.11	3/4		3/4		3/4		3/4	
7	1,391.07	7	1,113.35	7	838.28	7	562.54	7	286.44	7	20.66	7		7		7		7	
1/4	1,385.28	1/4	1,107.56	1/4	832.56	1/4	556.79	1/4	280.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,379.50	1/2	1,101.77	1/2	826.84	1/2	551.03	1/2	274.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,373.71	3/4	1,095.98	3/4	821.12	3/4	545.28	3/4	269.18	3/4		3/4		3/4		3/4		3/4	
8	1,367.93	8	1,090.20	8	815.41	8	539.53	8	263.43	8		8		8		8		8	
1/4	1,362.14	1/4	1,084.41	1/4	809.69	1/4	533.78	1/4	257.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,356.36	1/2	1,078.63	1/2	803.98	1/2	528.02	1/2	251.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,350.57	3/4	1,072.84	3/4	798.26	3/4	522.27	3/4	246.18	3/4		3/4		3/4		3/4		3/4	
9	1,344.79	9	1,067.07	9	792.54	9	516.52	9	240.47	9		9		9		9		9	
1/4	1,339.00	1/4	1,061.30	1/4	786.81	1/4	510.77	1/4	234.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,333.21	1/2	1,055.53	1/2	781.09	1/2	505.01	1/2	229.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,327.42	3/4	1,049.76	3/4	775.36	3/4	499.26	3/4	223.35	3/4		3/4		3/4		3/4		3/4	
10	1,321.64	10	1,044.05	10	769.61	10	493.51	10	217.78	10		10		10		10		10	
1/4	1,315.85	1/4	1,038.33	1/4	763.86	1/4	487.76	1/4	212.21	1/4		1/4		1/4		1/4		1/4	
1/2	1,310.07	1/2	1,032.62	1/2	758.11	1/2	482.01	1/2	206.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,304.28	3/4	1,026.90	3/4	752.35	3/4	476.26	3/4	201.07	3/4		3/4		3/4		3/4		3/4	
11	1,298.50	11	1,021.19	11	746.60	11	470.51	11	195.50	11		11		11		11		11	
1/4	1,292.71	1/4	1,015.47	1/4	740.85	1/4	464.76	1/4	189.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,286.92	1/2	1,009.76	1/2	735.10	1/2	459.00	1/2	184.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,281.13	3/4	1,004.04	3/4	729.34	3/4	453.25	3/4	178.79	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2006 INSP.
RECALCULATED: 06/06/2024 CL
VERIFIED: 06/06/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2024

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