



BARGE "MMLP 327"

1 PORT

"ALERT THERE IS A VOLUME FOR THE ZERO GAUGES ON STRAPPINGS DUE TO LOCATION OF GAUGING POINT, VERIFY THIS VOLUME BY CHECKING THE AFT MOST GAUGE POINT OR SIGHT GLASS." IF PRODUCT IS NOTED AFTER DISCHARGE, PLEASE NOTIFY THE LA PORTE OFFICE IMMEDIATELY. BARGES ARE DESIGNED TO BE LIQUID FREE AFTER EACH DISCHARGE

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 1"

GAUGE HEIGHT 16'-09 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	37.17	0	382.15	0	755.92	0	1,133.40	0	1,513.58	0	1,893.32	0	2,273.92	0	2,654.54	0	3,019.94	0	3,371.61
1/4	41.88	1/4	390.06	1/4	763.85	1/4	1,141.25	1/4	1,521.51	1/4	1,901.25	1/4	2,281.85	1/4	2,662.47	1/4	3,027.31	1/4	3,378.89
1/2	46.59	1/2	397.98	1/2	771.77	1/2	1,149.11	1/2	1,529.45	1/2	1,909.18	1/2	2,289.78	1/2	2,670.40	1/2	3,034.67	1/2	3,386.16
3/4	51.30	3/4	405.89	3/4	779.69	3/4	1,156.96	3/4	1,537.38	3/4	1,917.11	3/4	2,297.71	3/4	2,678.33	3/4	3,042.04	3/4	3,393.43
1	56.01	1	413.80	1	787.62	1	1,164.82	1	1,545.31	1	1,925.04	1	2,305.63	1	2,686.26	1	3,049.41	1	3,400.71
1/4	61.67	1/4	421.67	1/4	795.53	1/4	1,172.69	1/4	1,553.23	1/4	1,932.97	1/4	2,313.56	1/4	2,694.19	1/4	3,056.77	1/4	3,407.97
1/2	67.33	1/2	429.55	1/2	803.43	1/2	1,180.57	1/2	1,561.16	1/2	1,940.90	1/2	2,321.49	1/2	2,702.12	1/2	3,064.13	1/2	3,415.24
3/4	72.99	3/4	437.42	3/4	811.34	3/4	1,188.44	3/4	1,569.08	3/4	1,948.83	3/4	2,329.42	3/4	2,710.05	3/4	3,071.49	3/4	3,422.51
2	78.65	2	445.30	2	819.24	2	1,196.31	2	1,577.01	2	1,956.76	2	2,337.35	2	2,717.98	2	3,078.85	2	3,429.77
1/4	85.18	1/4	453.05	1/4	827.09	1/4	1,204.25	1/4	1,584.91	1/4	1,964.69	1/4	2,345.28	1/4	2,725.91	1/4	3,086.21	1/4	3,437.03
1/2	91.71	1/2	460.81	1/2	834.94	1/2	1,212.18	1/2	1,592.81	1/2	1,972.62	1/2	2,353.21	1/2	2,733.84	1/2	3,093.57	1/2	3,444.29
3/4	98.25	3/4	468.57	3/4	842.79	3/4	1,220.11	3/4	1,600.71	3/4	1,980.55	3/4	2,361.14	3/4	2,741.76	3/4	3,100.92	3/4	3,451.54
3	104.78	3	476.33	3	850.64	3	1,228.04	3	1,608.61	3	1,988.48	3	2,369.07	3	2,749.69	3	3,108.28	3	3,458.80
1/4	112.15	1/4	484.09	1/4	858.49	1/4	1,235.97	1/4	1,616.51	1/4	1,996.41	1/4	2,377.00	1/4	2,757.62	1/4	3,115.62	1/4	3,466.05
1/2	119.52	1/2	491.85	1/2	866.34	1/2	1,243.90	1/2	1,624.42	1/2	2,004.34	1/2	2,384.93	1/2	2,765.55	1/2	3,122.97	1/2	3,473.30
3/4	126.89	3/4	499.62	3/4	874.19	3/4	1,251.84	3/4	1,632.32	3/4	2,012.27	3/4	2,392.86	3/4	2,773.48	3/4	3,130.32	3/4	3,480.55
4	134.25	4	507.38	4	882.04	4	1,259.77	4	1,640.22	4	2,020.20	4	2,400.79	4	2,781.41	4	3,137.67	4	3,487.80
1/4	141.94	1/4	515.15	1/4	889.89	1/4	1,267.70	1/4	1,648.12	1/4	2,028.13	1/4	2,408.72	1/4	2,789.27	1/4	3,145.01	1/4	3,495.04
1/2	149.62	1/2	522.91	1/2	897.75	1/2	1,275.63	1/2	1,656.02	1/2	2,036.06	1/2	2,416.65	1/2	2,797.13	1/2	3,152.35	1/2	3,502.28
3/4	157.30	3/4	530.68	3/4	905.60	3/4	1,283.56	3/4	1,663.92	3/4	2,043.99	3/4	2,424.58	3/4	2,804.99	3/4	3,159.69	3/4	3,509.52
5	164.98	5	538.44	5	913.46	5	1,291.49	5	1,671.82	5	2,051.92	5	2,432.51	5	2,812.85	5	3,167.03	5	3,516.77
1/4	172.70	1/4	546.20	1/4	921.31	1/4	1,299.43	1/4	1,679.73	1/4	2,059.84	1/4	2,440.44	1/4	2,820.43	1/4	3,174.36	1/4	3,524.00
1/2	180.41	1/2	553.97	1/2	929.17	1/2	1,307.36	1/2	1,687.63	1/2	2,067.77	1/2	2,448.37	1/2	2,828.01	1/2	3,181.69	1/2	3,531.23
3/4	188.13	3/4	561.73	3/4	937.02	3/4	1,315.29	3/4	1,695.53	3/4	2,075.70	3/4	2,456.30	3/4	2,835.58	3/4	3,189.02	3/4	3,538.46
6	195.85	6	569.49	6	944.88	6	1,323.22	6	1,703.43	6	2,083.63	6	2,464.23	6	2,843.16	6	3,196.35	6	3,545.70
1/4	203.59	1/4	577.25	1/4	952.73	1/4	1,331.15	1/4	1,711.33	1/4	2,091.56	1/4	2,472.16	1/4	2,850.53	1/4	3,203.67	1/4	3,552.92
1/2	211.33	1/2	585.01	1/2	960.59	1/2	1,339.08	1/2	1,719.23	1/2	2,099.49	1/2	2,480.08	1/2	2,857.89	1/2	3,211.00	1/2	3,560.15
3/4	219.07	3/4	592.77	3/4	968.44	3/4	1,347.02	3/4	1,727.13	3/4	2,107.42	3/4	2,488.01	3/4	2,865.26	3/4	3,218.32	3/4	3,567.37
7	226.81	7	600.52	7	976.30	7	1,354.95	7	1,735.04	7	2,115.35	7	2,495.94	7	2,872.62	7	3,225.64	7	3,574.60
1/4	234.56	1/4	608.28	1/4	984.15	1/4	1,362.88	1/4	1,742.94	1/4	2,123.27	1/4	2,503.87	1/4	2,879.99	1/4	3,232.96	1/4	3,581.81
1/2	242.32	1/2	616.04	1/2	992.01	1/2	1,370.81	1/2	1,750.84	1/2	2,131.20	1/2	2,511.80	1/2	2,887.36	1/2	3,240.27	1/2	3,589.03
3/4	250.07	3/4	623.80	3/4	999.86	3/4	1,378.74	3/4	1,758.74	3/4	2,139.13	3/4	2,519.73	3/4	2,894.72	3/4	3,247.59	3/4	3,596.25
8	257.82	8	631.56	8	1,007.72	8	1,386.67	8	1,766.64	8	2,147.06	8	2,527.66	8	2,902.09	8	3,254.90	8	3,603.47
1/4	265.58	1/4	639.31	1/4	1,015.57	1/4	1,394.61	1/4	1,774.54	1/4	2,154.99	1/4	2,535.59	1/4	2,909.45	1/4	3,262.21	1/4	3,610.67
1/2	273.34	1/2	647.07	1/2	1,023.43	1/2	1,402.54	1/2	1,782.45	1/2	2,162.92	1/2	2,543.52	1/2	2,916.82	1/2	3,269.51	1/2	3,617.88
3/4	281.11	3/4	654.83	3/4	1,031.28	3/4	1,410.47	3/4	1,790.35	3/4	2,170.85	3/4	2,551.45	3/4	2,924.19	3/4	3,276.82	3/4	3,625.09
9	288.87	9	662.59	9	1,039.14	9	1,418.40	9	1,798.25	9	2,178.78	9	2,559.38	9	2,931.55	9	3,284.13	9	3,632.30
1/4	296.63	1/4	670.35	1/4	1,046.99	1/4	1,426.33	1/4	1,806.16	1/4	2,186.70	1/4	2,567.31	1/4	2,938.92	1/4	3,291.43	1/4	3,639.50
1/2	304.39	1/2	678.11	1/2	1,054.85	1/2	1,434.26	1/2	1,814.07	1/2	2,194.63	1/2	2,575.24	1/2	2,946.28	1/2	3,298.72	1/2	3,646.70
3/4	312.16	3/4	685.87	3/4	1,062.70	3/4	1,442.20	3/4	1,821.97	3/4	2,202.56	3/4	2,583.17	3/4	2,953.65	3/4	3,306.02	3/4	3,653.90
10	319.92	10	693.63	10	1,070.56	10	1,450.13	10	1,829.88	10	2,210.49	10	2,591.10	10	2,961.02	10	3,313.32	10	3,661.10
1/4	327.69	1/4	701.39	1/4	1,078.41	1/4	1,458.06	1/4	1,837.81	1/4	2,218.42	1/4	2,599.03	1/4	2,968.38	1/4	3,320.61	1/4	3,668.29
1/2	335.45	1/2	709.16	1/2	1,086.27	1/2	1,465.99	1/2	1,845.74	1/2	2,226.35	1/2	2,606.96	1/2	2,975.75	1/2	3,327.90	1/2	3,675.49
3/4	343.21	3/4	716.93	3/4	1,094.12	3/4	1,473.92	3/4	1,853.67	3/4	2,234.28	3/4	2,614.89	3/4	2,983.11	3/4	3,335.19	3/4	3,682.68
11	350.97	11	724.69	11	1,101.98	11	1,481.86	11	1,861.60	11	2,242.20	11	2,622.82	11	2,990.48	11	3,342.48	11	3,689.87
1/4	358.77	1/4	732.50	1/4	1,109.83	1/4	1,489.79	1/4	1,869.53	1/4	2,250.13	1/4	2,630.75	1/4	2,997.84	1/4	3,349.77	1/4	3,697.05
1/2	366.56	1/2	740.31	1/2	1,117.69	1/2	1,497.72	1/2	1,877.46	1/2	2,258.06	1/2	2,638.68	1/2	3,005.21	1/2	3,357.05	1/2	3,704.24
3/4	374.36	3/4	748.11	3/4	1,125.54	3/4	1,505.65	3/4	1,885.39	3/4	2,265.99	3/4	2,646.61	3/4	3,012.58	3/4	3,364.33	3/4	3,711.42

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 10" DIAMETER HATCH.
 GAUGE POINT: (10" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "MMLP 327"

1 PORT

"ALERT THERE IS A VOLUME FOR THE ZERO GAUGES ON STRAPPINGS DUE TO LOCATION OF GAUGING POINT, VERIFY THIS VOLUME BY CHECKING THE AFT MOST GAUGE POINT OR SIGHT GLASS." IF PRODUCT IS NOTED AFTER DISCHARGE, PLEASE NOTIFY THE LA PORTE OFFICE IMMEDIATELY. BARGES ARE DESIGNED TO BE LIQUID FREE AFTER EACH DISCHARGE

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 1"

GAUGE HEIGHT 16'-09 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,718.61	0	4,060.90	0	4,398.48	0	4,731.35	0		0		0		0		0		0	
1/4	3,725.78	1/4	4,067.97	1/4	4,405.46	1/4	4,738.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,732.96	1/2	4,075.05	1/2	4,412.44	1/2	4,745.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,740.13	3/4	4,082.13	3/4	4,419.42	3/4	4,752.00	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,747.31	1	4,089.21	1	4,426.40	1	4,758.88	1		1		1		1		1		1	
1/4	3,754.48	1/4	4,096.28	1/4	4,433.37	1/4	4,765.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,761.65	1/2	4,103.35	1/2	4,440.34	1/2	4,772.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,768.81	3/4	4,110.42	3/4	4,447.31	3/4	4,779.71	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,775.98	2	4,117.49	2	4,454.28	2	4,786.66	2		2		2		2		2		2	
1/4	3,783.14	1/4	4,124.55	1/4	4,461.25	1/4	4,793.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,790.30	1/2	4,131.61	1/2	4,468.21	1/2	4,801.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,797.46	3/4	4,138.67	3/4	4,475.17	3/4	4,808.31	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,804.62	3	4,145.73	3	4,482.14	3	4,815.53	3		3		3		3		3		3	
1/4	3,811.77	1/4	4,152.79	1/4	4,489.09	1/4	4,822.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,818.92	1/2	4,159.84	1/2	4,496.05	1/2	4,830.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,826.07	3/4	4,166.89	3/4	4,503.00	3/4	4,837.79	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,833.23	4	4,173.95	4	4,509.96	4	4,845.21	4		4		4		4		4		4	
1/4	3,840.37	1/4	4,180.99	1/4	4,516.91	1/4	4,852.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,847.51	1/2	4,188.04	1/2	4,523.85	1/2	4,860.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,854.66	3/4	4,195.08	3/4	4,530.80	3/4	4,867.45	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,861.80	5	4,202.13	5	4,537.75	5	4,874.86	5		5		5		5		5		5	
1/4	3,868.93	1/4	4,209.16	1/4	4,544.69	1/4	4,882.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,876.07	1/2	4,216.20	1/2	4,551.63	1/2	4,889.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,883.20	3/4	4,223.24	3/4	4,558.56	3/4	4,897.08	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,890.34	6	4,230.27	6	4,565.50	6	4,904.48	6		6		6		6		6		6	
1/4	3,897.47	1/4	4,237.30	1/4	4,572.43	1/4	4,911.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,904.59	1/2	4,244.33	1/2	4,579.36	1/2	4,919.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,911.72	3/4	4,251.36	3/4	4,586.30	3/4	4,926.67	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,918.85	7	4,258.39	7	4,593.23	7	4,934.07	7		7		7		7		7		7	
1/4	3,925.97	1/4	4,265.41	1/4	4,600.15	1/4	4,941.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,933.08	1/2	4,272.43	1/2	4,607.07	1/2	4,948.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,940.20	3/4	4,279.45	3/4	4,613.99	3/4	4,956.23	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,947.32	8	4,286.47	8	4,620.92	8	4,963.62	8		8		8		8		8		8	
1/4	3,954.43	1/4	4,293.49	1/4	4,627.83	1/4	4,971.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,961.54	1/2	4,300.50	1/2	4,634.75	1/2	4,978.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,968.65	3/4	4,307.51	3/4	4,641.66	3/4	4,985.76	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,975.76	9	4,314.52	9	4,648.58	9	4,993.14	9		9		9		9		9		9	
1/4	3,982.87	1/4	4,321.53	1/4	4,655.48	1/4	5,000.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,989.97	1/2	4,328.53	1/2	4,662.39	1/2	5,007.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,997.07	3/4	4,335.54	3/4	4,669.29	3/4	5,014.98	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,004.17	10	4,342.54	10	4,676.20	10	5,022.25	10		10		10		10		10		10	
1/4	4,011.27	1/4	4,349.54	1/4	4,683.10	1/4	5,028.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,018.36	1/2	4,356.53	1/2	4,690.00	1/2	5,035.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,025.46	3/4	4,363.53	3/4	4,696.89	3/4	5,042.44	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,032.55	11	4,370.53	11	4,703.79	11	5,049.17	11		11		11		11		11		11	
1/4	4,039.64	1/4	4,377.51	1/4	4,710.68	1/4	5,054.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,046.72	1/2	4,384.50	1/2	4,717.57	1/2	5,060.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,053.81	3/4	4,391.49	3/4	4,724.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/21/2014 SW
CALCULATED: 08/25/2014 CL
PRINTED: 08/25/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

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



BARGE "MMLP 327"

1 STBD

"ALERT THERE IS A VOLUME FOR THE ZERO GAUGES ON STRAPPINGS DUE TO LOCATION OF GAUGING POINT, VERIFY THIS VOLUME BY CHECKING THE AFT MOST GAUGE POINT OR SIGHT GLASS." IF PRODUCT IS NOTED AFTER DISCHARGE, PLEASE NOTIFY THE LA PORTE OFFICE IMMEDIATELY. BARGES ARE DESIGNED TO BE LIQUID FREE AFTER EACH DISCHARGE

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 1"

GAUGE HEIGHT 16'-09 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	37.17	0	382.19	0	756.01	0	1,134.90	0	1,515.38	0	1,895.17	0	2,275.90	0	2,656.64	0	3,022.18	0	3,373.97
1/4	41.88	1/4	390.11	1/4	763.93	1/4	1,142.79	1/4	1,523.32	1/4	1,903.10	1/4	2,283.83	1/4	2,664.57	1/4	3,029.54	1/4	3,381.25
1/2	46.59	1/2	398.02	1/2	771.86	1/2	1,150.69	1/2	1,531.25	1/2	1,911.03	1/2	2,294.76	1/2	2,675.51	1/2	3,036.91	1/2	3,388.53
3/4	51.30	3/4	405.94	3/4	779.79	3/4	1,158.58	3/4	1,539.18	3/4	1,918.97	3/4	2,299.69	3/4	2,680.44	3/4	3,044.28	3/4	3,395.80
1	56.01	1	413.85	1	787.71	1	1,166.47	1	1,547.11	1	1,926.90	1	2,307.62	1	2,688.37	1	3,051.65	1	3,403.08
1/4	61.67	1/4	421.72	1/4	795.63	1/4	1,174.37	1/4	1,555.05	1/4	1,934.83	1/4	2,315.55	1/4	2,696.30	1/4	3,059.01	1/4	3,410.35
1/2	67.34	1/2	429.60	1/2	803.54	1/2	1,182.27	1/2	1,562.98	1/2	1,942.77	1/2	2,323.48	1/2	2,704.24	1/2	3,066.38	1/2	3,417.62
3/4	73.00	3/4	437.47	3/4	811.45	3/4	1,190.18	3/4	1,570.91	3/4	1,950.70	3/4	2,331.41	3/4	2,712.17	3/4	3,073.74	3/4	3,424.88
2	78.66	2	445.35	2	819.37	2	1,198.08	2	1,578.84	2	1,958.63	2	2,339.35	2	2,720.10	2	3,081.11	2	3,432.15
1/4	85.19	1/4	453.10	1/4	827.25	1/4	1,206.01	1/4	1,586.78	1/4	1,966.56	1/4	2,347.28	1/4	2,728.03	1/4	3,088.47	1/4	3,439.41
1/2	91.73	1/2	460.86	1/2	835.13	1/2	1,213.94	1/2	1,594.71	1/2	1,974.50	1/2	2,355.21	1/2	2,735.97	1/2	3,095.82	1/2	3,446.67
3/4	98.26	3/4	468.62	3/4	843.02	3/4	1,221.88	3/4	1,602.64	3/4	1,982.43	3/4	2,363.14	3/4	2,743.90	3/4	3,103.18	3/4	3,453.93
3	104.79	3	476.38	3	850.90	3	1,229.81	3	1,610.57	3	1,990.36	3	2,371.08	3	2,751.83	3	3,110.54	3	3,461.19
1/4	112.16	1/4	484.15	1/4	858.78	1/4	1,237.74	1/4	1,618.50	1/4	1,998.29	1/4	2,379.01	1/4	2,759.76	1/4	3,117.89	1/4	3,468.45
1/2	119.53	1/2	491.91	1/2	866.67	1/2	1,245.67	1/2	1,626.42	1/2	2,006.23	1/2	2,386.94	1/2	2,767.70	1/2	3,125.24	1/2	3,475.70
3/4	126.90	3/4	499.68	3/4	874.55	3/4	1,253.61	3/4	1,634.34	3/4	2,014.16	3/4	2,394.87	3/4	2,775.63	3/4	3,132.59	3/4	3,482.95
4	134.27	4	507.44	4	882.43	4	1,261.54	4	1,642.27	4	2,022.09	4	2,402.81	4	2,783.56	4	3,139.94	4	3,490.20
1/4	141.95	1/4	515.21	1/4	890.32	1/4	1,269.47	1/4	1,650.16	1/4	2,030.02	1/4	2,410.74	1/4	2,791.42	1/4	3,147.28	1/4	3,497.45
1/2	149.63	1/2	522.97	1/2	898.21	1/2	1,277.41	1/2	1,658.05	1/2	2,037.95	1/2	2,418.67	1/2	2,799.28	1/2	3,154.63	1/2	3,504.69
3/4	157.32	3/4	530.74	3/4	906.10	3/4	1,285.34	3/4	1,665.94	3/4	2,045.88	3/4	2,426.60	3/4	2,807.15	3/4	3,161.97	3/4	3,511.93
5	165.00	5	538.50	5	913.99	5	1,293.27	5	1,673.83	5	2,053.82	5	2,434.54	5	2,815.01	5	3,169.31	5	3,519.18
1/4	172.72	1/4	546.27	1/4	921.88	1/4	1,301.20	1/4	1,681.72	1/4	2,061.75	1/4	2,442.47	1/4	2,822.59	1/4	3,176.64	1/4	3,526.41
1/2	180.44	1/2	554.03	1/2	929.77	1/2	1,309.14	1/2	1,689.62	1/2	2,069.68	1/2	2,450.40	1/2	2,830.17	1/2	3,183.98	1/2	3,533.65
3/4	188.15	3/4	561.79	3/4	937.65	3/4	1,317.07	3/4	1,697.51	3/4	2,077.61	3/4	2,458.33	3/4	2,837.75	3/4	3,191.31	3/4	3,540.89
6	195.87	6	569.56	6	945.54	6	1,325.00	6	1,705.40	6	2,085.54	6	2,466.26	6	2,845.33	6	3,198.65	6	3,548.12
1/4	203.61	1/4	577.32	1/4	953.43	1/4	1,332.93	1/4	1,713.29	1/4	2,093.47	1/4	2,474.20	1/4	2,852.70	1/4	3,205.97	1/4	3,555.35
1/2	211.35	1/2	585.08	1/2	961.32	1/2	1,340.87	1/2	1,721.18	1/2	2,101.40	1/2	2,482.13	1/2	2,860.07	1/2	3,213.30	1/2	3,562.58
3/4	219.09	3/4	592.83	3/4	969.21	3/4	1,348.80	3/4	1,729.07	3/4	2,109.34	3/4	2,490.06	3/4	2,867.43	3/4	3,220.62	3/4	3,569.81
7	226.83	7	600.59	7	977.10	7	1,356.73	7	1,736.97	7	2,117.27	7	2,497.99	7	2,874.80	7	3,227.95	7	3,577.03
1/4	234.59	1/4	608.35	1/4	984.99	1/4	1,364.66	1/4	1,744.86	1/4	2,125.20	1/4	2,505.93	1/4	2,882.17	1/4	3,235.27	1/4	3,584.25
1/2	242.34	1/2	616.11	1/2	992.88	1/2	1,372.60	1/2	1,752.75	1/2	2,133.13	1/2	2,513.86	1/2	2,889.54	1/2	3,242.58	1/2	3,591.47
3/4	250.10	3/4	623.87	3/4	1,000.76	3/4	1,380.53	3/4	1,760.64	3/4	2,141.06	3/4	2,521.79	3/4	2,896.91	3/4	3,249.90	3/4	3,598.69
8	257.85	8	631.63	8	1,008.65	8	1,388.46	8	1,768.53	8	2,148.99	8	2,529.72	8	2,904.28	8	3,257.22	8	3,605.91
1/4	265.61	1/4	639.39	1/4	1,016.54	1/4	1,396.39	1/4	1,776.43	1/4	2,156.92	1/4	2,537.66	1/4	2,911.65	1/4	3,264.53	1/4	3,613.12
1/2	273.38	1/2	647.15	1/2	1,024.43	1/2	1,404.33	1/2	1,784.32	1/2	2,164.86	1/2	2,545.59	1/2	2,919.01	1/2	3,271.84	1/2	3,620.33
3/4	281.14	3/4	654.90	3/4	1,032.32	3/4	1,412.26	3/4	1,792.21	3/4	2,172.79	3/4	2,553.52	3/4	2,926.38	3/4	3,279.15	3/4	3,627.54
9	288.90	9	662.66	9	1,040.21	9	1,420.19	9	1,800.10	9	2,180.72	9	2,561.45	9	2,933.75	9	3,286.46	9	3,634.76
1/4	296.66	1/4	670.42	1/4	1,048.10	1/4	1,428.12	1/4	1,808.00	1/4	2,188.65	1/4	2,569.39	1/4	2,941.12	1/4	3,293.76	1/4	3,641.96
1/2	304.43	1/2	678.18	1/2	1,055.99	1/2	1,436.06	1/2	1,815.90	1/2	2,196.58	1/2	2,577.32	1/2	2,948.49	1/2	3,301.06	1/2	3,649.16
3/4	312.20	3/4	685.95	3/4	1,063.88	3/4	1,443.99	3/4	1,823.81	3/4	2,204.51	3/4	2,585.25	3/4	2,955.86	3/4	3,308.36	3/4	3,656.37
10	319.96	10	693.71	10	1,071.77	10	1,451.92	10	1,831.71	10	2,212.44	10	2,593.18	10	2,963.23	10	3,315.66	10	3,663.57
1/4	327.72	1/4	701.47	1/4	1,079.66	1/4	1,459.85	1/4	1,839.64	1/4	2,220.38	1/4	2,601.12	1/4	2,970.59	1/4	3,322.95	1/4	3,670.76
1/2	335.49	1/2	709.24	1/2	1,087.55	1/2	1,467.79	1/2	1,847.57	1/2	2,228.31	1/2	2,609.05	1/2	2,977.96	1/2	3,330.25	1/2	3,677.96
3/4	343.25	3/4	717.01	3/4	1,095.44	3/4	1,475.72	3/4	1,855.51	3/4	2,236.24	3/4	2,616.98	3/4	2,985.33	3/4	3,337.54	3/4	3,685.15
11	351.01	11	724.78	11	1,103.33	11	1,483.65	11	1,863.44	11	2,244.17	11	2,624.91	11	2,992.70	11	3,344.83	11	3,692.35
1/4	358.81	1/4	732.59	1/4	1,111.23	1/4	1,491.59	1/4	1,871.37	1/4	2,252.10	1/4	2,632.85	1/4	3,000.07	1/4	3,352.12	1/4	3,699.54
1/2	366.60	1/2	740.39	1/2	1,119.12	1/2	1,499.52	1/2	1,879.30	1/2	2,260.03	1/2	2,640.78	1/2	3,007.44	1/2	3,359.40	1/2	3,706.72
3/4	374.40	3/4	748.20	3/4	1,127.01	3/4	1,507.45	3/4	1,887.24	3/4	2,267.96	3/4	2,648.71	3/4	3,014.81	3/4	3,366.69	3/4	3,713.91

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 10" DIAMETER HATCH.
GAUGE POINT: (10" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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P.O. Box 2092
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BARGE "MMLP 327"

1 STBD

"ALERT THERE IS A VOLUME FOR THE ZERO GAUGES ON STRAPPINGS DUE TO LOCATION OF GAUGING POINT, VERIFY THIS VOLUME BY CHECKING THE AFT MOST GAUGE POINT OR SIGHT GLASS." IF PRODUCT IS NOTED AFTER DISCHARGE, PLEASE NOTIFY THE LA PORTE OFFICE IMMEDIATELY. BARGES ARE DESIGNED TO BE LIQUID FREE AFTER EACH DISCHARGE

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 1"

GAUGE HEIGHT 16'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,721.10	0	4,063.51	0	4,401.22	0	4,734.23	0		0		0		0		0		0	
1/4	3,728.27	1/4	4,070.59	1/4	4,408.21	1/4	4,741.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,735.45	1/2	4,077.67	1/2	4,415.19	1/2	4,748.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,742.63	3/4	4,084.75	3/4	4,422.17	3/4	4,754.88	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,749.81	1	4,091.83	1	4,429.15	1	4,761.76	1		1		1		1		1		1	
1/4	3,756.98	1/4	4,098.91	1/4	4,436.13	1/4	4,768.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,764.15	1/2	4,105.98	1/2	4,443.10	1/2	4,775.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,771.32	3/4	4,113.05	3/4	4,450.08	3/4	4,782.60	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,778.49	2	4,120.12	2	4,457.05	2	4,789.55	2		2		2		2		2		2	
1/4	3,785.65	1/4	4,127.19	1/4	4,464.02	1/4	4,796.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,792.82	1/2	4,134.25	1/2	4,470.98	1/2	4,803.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,799.98	3/4	4,141.32	3/4	4,477.95	3/4	4,811.21	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,807.14	3	4,148.38	3	4,484.91	3	4,818.43	3		3		3		3		3		3	
1/4	3,814.30	1/4	4,155.44	1/4	4,491.87	1/4	4,825.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,821.45	1/2	4,162.49	1/2	4,498.83	1/2	4,833.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,828.60	3/4	4,169.55	3/4	4,505.79	3/4	4,840.70	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,835.76	4	4,176.61	4	4,512.75	4	4,848.13	4		4		4		4		4		4	
1/4	3,842.90	1/4	4,183.65	1/4	4,519.70	1/4	4,855.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,850.05	1/2	4,190.70	1/2	4,526.65	1/2	4,862.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,857.20	3/4	4,197.75	3/4	4,533.60	3/4	4,870.38	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,864.34	5	4,204.80	5	4,540.55	5	4,877.79	5		5		5		5		5		5	
1/4	3,871.48	1/4	4,211.84	1/4	4,547.49	1/4	4,885.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,878.62	1/2	4,218.88	1/2	4,554.43	1/2	4,892.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,885.75	3/4	4,225.92	3/4	4,561.37	3/4	4,900.01	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,892.89	6	4,232.96	6	4,568.31	6	4,907.42	6		6		6		6		6		6	
1/4	3,900.02	1/4	4,239.99	1/4	4,575.25	1/4	4,914.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,907.15	1/2	4,247.02	1/2	4,582.18	1/2	4,922.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,914.28	3/4	4,254.05	3/4	4,589.11	3/4	4,929.62	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,921.41	7	4,261.08	7	4,596.05	7	4,937.02	7		7		7		7		7		7	
1/4	3,928.53	1/4	4,268.11	1/4	4,602.97	1/4	4,944.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,935.65	1/2	4,275.13	1/2	4,609.90	1/2	4,951.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,942.77	3/4	4,282.15	3/4	4,616.82	3/4	4,959.19	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,949.90	8	4,289.18	8	4,623.75	8	4,966.58	8		8		8		8		8		8	
1/4	3,957.01	1/4	4,296.19	1/4	4,630.67	1/4	4,973.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,964.12	1/2	4,303.21	1/2	4,637.58	1/2	4,981.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,971.24	3/4	4,310.22	3/4	4,644.50	3/4	4,988.73	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,978.35	9	4,317.24	9	4,651.42	9	4,996.11	9		9		9		9		9		9	
1/4	3,985.45	1/4	4,324.24	1/4	4,658.33	1/4	5,003.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,992.56	1/2	4,331.25	1/2	4,665.23	1/2	5,010.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,999.66	3/4	4,338.26	3/4	4,672.14	3/4	5,017.96	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,006.77	10	4,345.26	10	4,679.05	10	5,025.24	10		10		10		10		10		10	
1/4	4,013.87	1/4	4,352.26	1/4	4,685.95	1/4	5,031.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,020.96	1/2	4,359.26	1/2	4,692.85	1/2	5,038.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,028.06	3/4	4,366.26	3/4	4,699.76	3/4	5,045.43	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,035.16	11	4,373.26	11	4,706.66	11	5,052.16	11		11		11		11		11		11	
1/4	4,042.25	1/4	4,380.25	1/4	4,713.55	1/4	5,057.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,049.33	1/2	4,387.24	1/2	4,720.44	1/2	5,063.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,056.42	3/4	4,394.23	3/4	4,727.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/21/2014 SW
CALCULATED: 08/25/2014 CL
PRINTED: 08/25/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

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



BARGE "MMLP 327"

2 PORT

"ALERT THERE IS A VOLUME FOR THE ZERO GAUGES ON STRAPPINGS DUE TO LOCATION OF GAUGING POINT, VERIFY THIS VOLUME BY CHECKING THE AFT MOST GAUGE POINT OR SIGHT GLASS." IF PRODUCT IS NOTED AFTER DISCHARGE, PLEASE NOTIFY THE LA PORTE OFFICE IMMEDIATELY. BARGES ARE DESIGNED TO BE LIQUID FREE AFTER EACH DISCHARGE

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 1"

GAUGE HEIGHT 16'-09 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	40.64	0	419.32	0	829.57	0	1,230.98	0	1,645.51	0	2,056.48	0	2,473.65	0	2,890.84	0	3,291.33	0	3,676.76
1/4	45.80	1/4	427.99	1/4	838.25	1/4	1,239.29	1/4	1,654.20	1/4	2,065.17	1/4	2,482.34	1/4	2,899.53	1/4	3,299.40	1/4	3,684.73
1/2	50.96	1/2	436.66	1/2	846.94	1/2	1,247.60	1/2	1,662.89	1/2	2,073.87	1/2	2,491.03	1/2	2,908.22	1/2	3,307.47	1/2	3,692.71
3/4	56.12	3/4	445.33	3/4	855.62	3/4	1,255.91	3/4	1,671.58	3/4	2,082.56	3/4	2,499.72	3/4	2,916.91	3/4	3,315.55	3/4	3,700.68
1	61.28	1	454.01	1	864.31	1	1,264.22	1	1,680.28	1	2,091.25	1	2,508.41	1	2,925.60	1	3,323.62	1	3,708.65
1/4	67.49	1/4	462.64	1/4	872.90	1/4	1,272.62	1/4	1,688.97	1/4	2,099.94	1/4	2,517.10	1/4	2,934.29	1/4	3,331.69	1/4	3,716.61
1/2	73.69	1/2	471.27	1/2	881.49	1/2	1,281.03	1/2	1,697.66	1/2	2,108.63	1/2	2,525.79	1/2	2,942.98	1/2	3,339.76	1/2	3,724.58
3/4	79.90	3/4	479.91	3/4	890.07	3/4	1,289.43	3/4	1,706.35	3/4	2,117.32	3/4	2,534.48	3/4	2,951.68	3/4	3,347.83	3/4	3,732.54
2	86.11	2	488.54	2	898.66	2	1,297.84	2	1,715.04	2	2,126.02	2	2,543.17	2	2,960.37	2	3,355.90	2	3,740.50
1/4	93.28	1/4	497.06	1/4	906.97	1/4	1,306.53	1/4	1,723.73	1/4	2,134.71	1/4	2,551.86	1/4	2,969.06	1/4	3,363.96	1/4	3,748.46
1/2	100.45	1/2	505.58	1/2	915.27	1/2	1,315.22	1/2	1,732.43	1/2	2,143.40	1/2	2,560.55	1/2	2,977.75	1/2	3,372.02	1/2	3,756.41
3/4	107.63	3/4	514.09	3/4	923.57	3/4	1,323.91	3/4	1,741.12	3/4	2,152.09	3/4	2,569.25	3/4	2,986.44	3/4	3,380.08	3/4	3,764.37
3	114.80	3	522.61	3	931.87	3	1,332.60	3	1,749.81	3	2,160.78	3	2,577.94	3	2,995.13	3	3,388.15	3	3,772.32
1/4	122.89	1/4	531.13	1/4	940.18	1/4	1,341.30	1/4	1,758.43	1/4	2,169.48	1/4	2,586.63	1/4	3,003.83	1/4	3,396.20	1/4	3,780.27
1/2	130.98	1/2	539.66	1/2	948.48	1/2	1,349.99	1/2	1,767.04	1/2	2,178.17	1/2	2,595.32	1/2	3,012.52	1/2	3,404.25	1/2	3,788.21
3/4	139.07	3/4	548.18	3/4	956.79	3/4	1,358.68	3/4	1,775.66	3/4	2,186.86	3/4	2,604.01	3/4	3,021.21	3/4	3,412.30	3/4	3,796.16
4	147.16	4	556.71	4	965.09	4	1,367.37	4	1,784.28	4	2,195.55	4	2,612.70	4	3,029.90	4	3,420.36	4	3,804.10
1/4	155.60	1/4	565.23	1/4	973.40	1/4	1,376.06	1/4	1,792.67	1/4	2,204.24	1/4	2,621.40	1/4	3,038.51	1/4	3,428.40	1/4	3,812.04
1/2	164.03	1/2	573.76	1/2	981.71	1/2	1,384.75	1/2	1,801.06	1/2	2,212.93	1/2	2,630.09	1/2	3,047.13	1/2	3,436.44	1/2	3,819.98
3/4	172.46	3/4	582.28	3/4	990.02	3/4	1,393.45	3/4	1,809.45	3/4	2,221.62	3/4	2,638.78	3/4	3,055.74	3/4	3,444.49	3/4	3,827.91
5	180.90	5	590.81	5	998.33	5	1,402.14	5	1,817.84	5	2,230.31	5	2,647.47	5	3,064.36	5	3,452.53	5	3,835.85
1/4	189.37	1/4	599.33	1/4	1,006.64	1/4	1,410.83	1/4	1,826.23	1/4	2,239.00	1/4	2,656.16	1/4	3,072.66	1/4	3,460.57	1/4	3,843.78
1/2	197.84	1/2	607.85	1/2	1,014.95	1/2	1,419.52	1/2	1,834.62	1/2	2,247.69	1/2	2,664.85	1/2	3,080.97	1/2	3,468.60	1/2	3,851.70
3/4	206.32	3/4	616.38	3/4	1,023.25	3/4	1,428.21	3/4	1,843.01	3/4	2,256.38	3/4	2,673.55	3/4	3,089.27	3/4	3,476.64	3/4	3,859.63
6	214.79	6	624.90	6	1,031.56	6	1,436.91	6	1,851.41	6	2,265.07	6	2,682.24	6	3,097.58	6	3,484.67	6	3,867.56
1/4	223.29	1/4	633.42	1/4	1,039.87	1/4	1,445.60	1/4	1,859.80	1/4	2,273.76	1/4	2,690.93	1/4	3,105.65	1/4	3,492.70	1/4	3,875.48
1/2	231.78	1/2	641.93	1/2	1,048.18	1/2	1,454.29	1/2	1,868.19	1/2	2,282.45	1/2	2,699.62	1/2	3,113.72	1/2	3,500.73	1/2	3,883.40
3/4	240.28	3/4	650.45	3/4	1,056.49	3/4	1,462.98	3/4	1,876.58	3/4	2,291.14	3/4	2,708.31	3/4	3,121.79	3/4	3,508.75	3/4	3,891.31
7	248.78	7	658.97	7	1,064.80	7	1,471.67	7	1,884.97	7	2,299.84	7	2,717.00	7	3,129.87	7	3,516.78	7	3,899.23
1/4	257.29	1/4	667.49	1/4	1,073.11	1/4	1,480.36	1/4	1,893.39	1/4	2,308.53	1/4	2,725.69	1/4	3,137.94	1/4	3,524.79	1/4	3,907.14
1/2	265.80	1/2	676.01	1/2	1,081.42	1/2	1,489.06	1/2	1,901.81	1/2	2,317.22	1/2	2,734.39	1/2	3,146.01	1/2	3,532.81	1/2	3,915.05
3/4	274.31	3/4	684.52	3/4	1,089.73	3/4	1,497.75	3/4	1,910.24	3/4	2,325.91	3/4	2,743.08	3/4	3,154.09	3/4	3,540.83	3/4	3,922.96
8	282.83	8	693.04	8	1,098.04	8	1,506.44	8	1,918.66	8	2,334.60	8	2,751.77	8	3,162.16	8	3,548.85	8	3,930.87
1/4	291.35	1/4	701.56	1/4	1,106.35	1/4	1,515.13	1/4	1,927.17	1/4	2,343.29	1/4	2,760.46	1/4	3,170.23	1/4	3,556.85	1/4	3,938.77
1/2	299.87	1/2	710.08	1/2	1,114.65	1/2	1,523.82	1/2	1,935.69	1/2	2,351.98	1/2	2,769.15	1/2	3,178.31	1/2	3,564.86	1/2	3,946.67
3/4	308.39	3/4	718.59	3/4	1,122.96	3/4	1,532.52	3/4	1,944.20	3/4	2,360.67	3/4	2,777.84	3/4	3,186.38	3/4	3,572.87	3/4	3,954.57
9	316.91	9	727.11	9	1,131.27	9	1,541.21	9	1,952.71	9	2,369.36	9	2,786.54	9	3,194.45	9	3,580.88	9	3,962.47
1/4	325.43	1/4	735.63	1/4	1,139.58	1/4	1,549.90	1/4	1,961.27	1/4	2,378.05	1/4	2,795.23	1/4	3,202.53	1/4	3,588.88	1/4	3,970.36
1/2	333.96	1/2	744.15	1/2	1,147.89	1/2	1,558.59	1/2	1,969.83	1/2	2,386.74	1/2	2,803.92	1/2	3,210.60	1/2	3,596.88	1/2	3,978.26
3/4	342.48	3/4	752.67	3/4	1,156.20	3/4	1,567.28	3/4	1,978.39	3/4	2,395.43	3/4	2,812.61	3/4	3,218.67	3/4	3,604.88	3/4	3,986.15
10	351.01	10	761.19	10	1,164.51	10	1,575.97	10	1,986.95	10	2,404.12	10	2,821.30	10	3,226.74	10	3,612.88	10	3,994.04
1/4	359.53	1/4	769.72	1/4	1,172.82	1/4	1,584.67	1/4	1,995.64	1/4	2,412.81	1/4	2,829.99	1/4	3,234.82	1/4	3,620.87	1/4	4,001.92
1/2	368.05	1/2	778.25	1/2	1,181.13	1/2	1,593.36	1/2	2,004.33	1/2	2,421.50	1/2	2,838.69	1/2	3,242.89	1/2	3,628.86	1/2	4,009.80
3/4	376.57	3/4	786.77	3/4	1,189.44	3/4	1,602.05	3/4	2,013.02	3/4	2,430.19	3/4	2,847.38	3/4	3,250.96	3/4	3,636.85	3/4	4,017.69
11	385.10	11	795.30	11	1,197.75	11	1,610.74	11	2,021.72	11	2,438.88	11	2,856.07	11	3,259.04	11	3,644.84	11	4,025.57
1/4	393.65	1/4	803.87	1/4	1,206.06	1/4	1,619.43	1/4	2,030.41	1/4	2,447.57	1/4	2,864.76	1/4	3,267.11	1/4	3,652.82	1/4	4,033.44
1/2	402.21	1/2	812.43	1/2	1,214.36	1/2	1,628.13	1/2	2,039.10	1/2	2,456.26	1/2	2,873.45	1/2	3,275.18	1/2	3,660.80	1/2	4,041.32
3/4	410.76	3/4	821.00	3/4	1,222.67	3/4	1,636.82	3/4	2,047.79	3/4	2,464.95	3/4	2,882.14	3/4	3,283.26	3/4	3,668.78	3/4	4,049.19

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" DIAMETER HATCH.
GAUGE POINT: (10" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "MMLP 327"

2 PORT

INNAGE TABLE

"ALERT THERE IS A VOLUME FOR THE ZERO GAUGES ON STRAPPINGS DUE TO LOCATION OF GAUGING POINT, VERIFY THIS VOLUME BY CHECKING THE AFT MOST GAUGE POINT OR SIGHT GLASS." IF PRODUCT IS NOTED AFTER DISCHARGE, PLEASE NOTIFY THE LA PORTE OFFICE IMMEDIATELY. BARGES ARE DESIGNED TO BE LIQUID FREE AFTER EACH DISCHARGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 1"

GAUGE HEIGHT 16'-09 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	4,057.06	0	4,432.21	0	4,802.19	0	5,167.00	0		0		0		0		0		0	
1/4	4,064.93	1/4	4,439.96	1/4	4,809.83	1/4	5,174.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,072.79	1/2	4,447.72	1/2	4,817.48	1/2	5,182.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,080.66	3/4	4,455.48	3/4	4,825.13	3/4	5,189.63	3/4		3/4		3/4		3/4		3/4		3/4	
1	4,088.52	1	4,463.24	1	4,832.78	1	5,197.17	1		1		1		1		1		1	
1/4	4,096.38	1/4	4,470.98	1/4	4,840.42	1/4	5,204.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,104.24	1/2	4,478.73	1/2	4,848.06	1/2	5,212.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,112.09	3/4	4,486.48	3/4	4,855.71	3/4	5,220.00	3/4		3/4		3/4		3/4		3/4		3/4	
2	4,119.95	2	4,494.23	2	4,863.35	2	5,227.61	2		2		2		2		2		2	
1/4	4,127.79	1/4	4,501.97	1/4	4,870.98	1/4	5,235.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,135.64	1/2	4,509.71	1/2	4,878.61	1/2	5,243.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,143.49	3/4	4,517.45	3/4	4,886.24	3/4	5,251.34	3/4		3/4		3/4		3/4		3/4		3/4	
3	4,151.33	3	4,525.19	3	4,893.87	3	5,259.25	3		3		3		3		3		3	
1/4	4,159.17	1/4	4,532.92	1/4	4,901.50	1/4	5,267.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,167.01	1/2	4,540.65	1/2	4,909.12	1/2	5,275.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,174.85	3/4	4,548.38	3/4	4,916.74	3/4	5,283.66	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,182.69	4	4,556.11	4	4,924.36	4	5,291.79	4		4		4		4		4		4	
1/4	4,190.51	1/4	4,563.83	1/4	4,931.98	1/4	5,299.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,198.34	1/2	4,571.55	1/2	4,939.59	1/2	5,308.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,206.17	3/4	4,579.27	3/4	4,947.21	3/4	5,316.16	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,214.00	5	4,586.99	5	4,954.82	5	5,324.29	5		5		5		5		5		5	
1/4	4,221.82	1/4	4,594.70	1/4	4,962.42	1/4	5,332.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,229.64	1/2	4,602.42	1/2	4,970.03	1/2	5,340.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,237.46	3/4	4,610.13	3/4	4,977.63	3/4	5,348.63	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,245.28	6	4,617.84	6	4,985.24	6	5,356.75	6		6		6		6		6		6	
1/4	4,253.09	1/4	4,625.54	1/4	4,992.83	1/4	5,364.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,260.90	1/2	4,633.25	1/2	5,000.43	1/2	5,372.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,268.71	3/4	4,640.95	3/4	5,008.03	3/4	5,381.07	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,276.52	7	4,648.65	7	5,015.62	7	5,389.18	7		7		7		7		7		7	
1/4	4,284.33	1/4	4,656.35	1/4	5,023.21	1/4	5,397.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,292.13	1/2	4,664.04	1/2	5,030.80	1/2	5,405.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,299.93	3/4	4,671.74	3/4	5,038.38	3/4	5,413.47	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,307.73	8	4,679.43	8	5,045.97	8	5,421.57	8		8		8		8		8		8	
1/4	4,315.53	1/4	4,687.12	1/4	5,053.55	1/4	5,429.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,323.32	1/2	4,694.80	1/2	5,061.13	1/2	5,437.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,331.11	3/4	4,702.49	3/4	5,068.70	3/4	5,445.83	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,338.90	9	4,710.17	9	5,076.28	9	5,453.92	9		9		9		9		9		9	
1/4	4,346.69	1/4	4,717.85	1/4	5,083.85	1/4	5,461.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,354.47	1/2	4,725.53	1/2	5,091.42	1/2	5,469.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,362.26	3/4	4,733.20	3/4	5,098.99	3/4	5,477.85	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,370.04	10	4,740.88	10	5,106.56	10	5,485.83	10		10		10		10		10		10	
1/4	4,377.82	1/4	4,748.55	1/4	5,114.12	1/4	5,493.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,385.59	1/2	4,756.22	1/2	5,121.68	1/2	5,500.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,393.37	3/4	4,763.88	3/4	5,129.24	3/4	5,507.96	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,401.14	11	4,771.55	11	5,136.80	11	5,515.33	11		11		11		11		11		11	
1/4	4,408.91	1/4	4,779.21	1/4	5,144.35	1/4	5,521.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,416.67	1/2	4,786.87	1/2	5,151.90	1/2	5,527.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,424.44	3/4	4,794.53	3/4	5,159.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/21/2014 SW
 CALCULATED: 08/25/2014 CL
 PRINTED: 08/25/2014 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2014

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



BARGE "MMLP 327"

2 STBD

"ALERT THERE IS A VOLUME FOR THE ZERO GAUGES ON STRAPPINGS DUE TO LOCATION OF GAUGING POINT, VERIFY THIS VOLUME BY CHECKING THE AFT MOST GAUGE POINT OR SIGHT GLASS." IF PRODUCT IS NOTED AFTER DISCHARGE, PLEASE NOTIFY THE LA PORTE OFFICE IMMEDIATELY. BARGES ARE DESIGNED TO BE LIQUID FREE AFTER EACH DISCHARGE

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 1"

GAUGE HEIGHT 16'-10"

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	40.64	0	419.32	0	829.57	0	1,245.10	0	1,662.06	0	2,074.57	0	2,491.74	0	2,908.92	0	3,309.42	0	3,694.85
1/4	45.80	1/4	427.99	1/4	838.25	1/4	1,253.76	1/4	1,670.75	1/4	2,083.27	1/4	2,500.43	1/4	2,917.62	1/4	3,317.50	1/4	3,702.83
1/2	50.96	1/2	436.66	1/2	846.94	1/2	1,262.42	1/2	1,679.44	1/2	2,091.96	1/2	2,509.12	1/2	2,926.31	1/2	3,325.57	1/2	3,710.80
3/4	56.12	3/4	445.33	3/4	855.62	3/4	1,271.07	3/4	1,688.14	3/4	2,100.65	3/4	2,517.81	3/4	2,935.00	3/4	3,333.64	3/4	3,718.77
1	61.28	1	454.01	1	864.31	1	1,279.73	1	1,696.83	1	2,109.34	1	2,526.50	1	2,943.69	1	3,341.71	1	3,726.74
1/4	67.49	1/4	462.64	1/4	872.98	1/4	1,288.39	1/4	1,705.52	1/4	2,118.03	1/4	2,535.19	1/4	2,952.38	1/4	3,349.78	1/4	3,734.71
1/2	73.69	1/2	471.27	1/2	881.66	1/2	1,297.06	1/2	1,714.21	1/2	2,126.73	1/2	2,543.88	1/2	2,961.07	1/2	3,357.85	1/2	3,742.67
3/4	79.90	3/4	479.91	3/4	890.33	3/4	1,305.72	3/4	1,722.90	3/4	2,135.42	3/4	2,552.57	3/4	2,969.76	3/4	3,365.92	3/4	3,750.63
2	86.11	2	488.54	2	899.01	2	1,314.39	2	1,731.60	2	2,144.11	2	2,561.26	2	2,978.46	2	3,373.99	2	3,758.60
1/4	93.28	1/4	497.06	1/4	907.65	1/4	1,323.08	1/4	1,740.29	1/4	2,152.80	1/4	2,569.96	1/4	2,987.15	1/4	3,382.05	1/4	3,766.55
1/2	100.45	1/2	505.58	1/2	916.30	1/2	1,331.77	1/2	1,748.98	1/2	2,161.49	1/2	2,578.65	1/2	2,995.84	1/2	3,390.11	1/2	3,774.50
3/4	107.63	3/4	514.09	3/4	924.95	3/4	1,340.46	3/4	1,757.67	3/4	2,170.18	3/4	2,587.34	3/4	3,004.53	3/4	3,398.18	3/4	3,782.46
3	114.80	3	522.61	3	933.59	3	1,349.16	3	1,766.36	3	2,178.88	3	2,596.03	3	3,013.22	3	3,406.24	3	3,790.41
1/4	122.89	1/4	531.13	1/4	942.24	1/4	1,357.85	1/4	1,775.00	1/4	2,187.57	1/4	2,604.72	1/4	3,021.91	1/4	3,414.29	1/4	3,798.36
1/2	130.98	1/2	539.66	1/2	950.89	1/2	1,366.54	1/2	1,783.65	1/2	2,196.26	1/2	2,613.41	1/2	3,030.60	1/2	3,422.34	1/2	3,806.30
3/4	139.07	3/4	548.18	3/4	959.54	3/4	1,375.23	3/4	1,792.29	3/4	2,204.95	3/4	2,622.10	3/4	3,039.30	3/4	3,430.40	3/4	3,814.25
4	147.16	4	556.71	4	968.18	4	1,383.92	4	1,800.93	4	2,213.64	4	2,630.80	4	3,047.99	4	3,438.45	4	3,822.20
1/4	155.60	1/4	565.23	1/4	976.84	1/4	1,392.61	1/4	1,809.43	1/4	2,222.33	1/4	2,639.49	1/4	3,056.60	1/4	3,446.49	1/4	3,830.13
1/2	164.03	1/2	573.76	1/2	985.49	1/2	1,401.31	1/2	1,817.93	1/2	2,231.02	1/2	2,648.18	1/2	3,065.22	1/2	3,454.54	1/2	3,838.07
3/4	172.46	3/4	582.28	3/4	994.14	3/4	1,410.00	3/4	1,826.42	3/4	2,239.71	3/4	2,656.87	3/4	3,073.83	3/4	3,462.58	3/4	3,846.00
5	180.90	5	590.81	5	1,002.80	5	1,418.69	5	1,834.92	5	2,248.40	5	2,665.56	5	3,082.45	5	3,470.63	5	3,853.94
1/4	189.37	1/4	599.33	1/4	1,011.45	1/4	1,427.38	1/4	1,843.41	1/4	2,257.09	1/4	2,674.25	1/4	3,090.75	1/4	3,478.66	1/4	3,861.87
1/2	197.84	1/2	607.85	1/2	1,020.10	1/2	1,436.07	1/2	1,851.91	1/2	2,265.78	1/2	2,682.94	1/2	3,099.06	1/2	3,486.70	1/2	3,869.80
3/4	206.32	3/4	616.38	3/4	1,028.75	3/4	1,444.77	3/4	1,860.41	3/4	2,274.48	3/4	2,691.64	3/4	3,107.36	3/4	3,494.73	3/4	3,877.72
6	214.79	6	624.90	6	1,037.41	6	1,453.46	6	1,868.90	6	2,283.17	6	2,700.33	6	3,115.67	6	3,502.77	6	3,885.65
1/4	223.29	1/4	633.42	1/4	1,046.06	1/4	1,462.15	1/4	1,877.40	1/4	2,291.86	1/4	2,709.02	1/4	3,123.74	1/4	3,510.79	1/4	3,893.57
1/2	231.78	1/2	641.93	1/2	1,054.71	1/2	1,470.84	1/2	1,885.90	1/2	2,300.55	1/2	2,717.71	1/2	3,131.81	1/2	3,518.82	1/2	3,901.49
3/4	240.28	3/4	650.45	3/4	1,063.37	3/4	1,479.53	3/4	1,894.39	3/4	2,309.24	3/4	2,726.40	3/4	3,139.89	3/4	3,526.84	3/4	3,909.41
7	248.78	7	658.97	7	1,072.02	7	1,488.22	7	1,902.89	7	2,317.93	7	2,735.09	7	3,147.96	7	3,534.87	7	3,917.32
1/4	257.29	1/4	667.49	1/4	1,080.67	1/4	1,496.92	1/4	1,911.38	1/4	2,326.62	1/4	2,743.79	1/4	3,156.03	1/4	3,542.89	1/4	3,925.23
1/2	265.80	1/2	676.01	1/2	1,089.32	1/2	1,505.61	1/2	1,919.88	1/2	2,335.31	1/2	2,752.48	1/2	3,164.11	1/2	3,550.90	1/2	3,933.14
3/4	274.31	3/4	684.52	3/4	1,097.98	3/4	1,514.30	3/4	1,928.38	3/4	2,344.00	3/4	2,761.17	3/4	3,172.18	3/4	3,558.92	3/4	3,941.05
8	282.83	8	693.04	8	1,106.63	8	1,522.99	8	1,936.87	8	2,352.69	8	2,769.86	8	3,180.25	8	3,566.94	8	3,948.96
1/4	291.35	1/4	701.56	1/4	1,115.28	1/4	1,531.68	1/4	1,945.37	1/4	2,361.38	1/4	2,778.55	1/4	3,188.33	1/4	3,574.95	1/4	3,956.86
1/2	299.87	1/2	710.08	1/2	1,123.93	1/2	1,540.38	1/2	1,953.87	1/2	2,370.07	1/2	2,787.24	1/2	3,196.40	1/2	3,582.95	1/2	3,964.76
3/4	308.39	3/4	718.59	3/4	1,132.59	3/4	1,549.07	3/4	1,962.36	3/4	2,378.76	3/4	2,795.93	3/4	3,204.47	3/4	3,590.96	3/4	3,972.66
9	316.91	9	727.11	9	1,141.24	9	1,557.76	9	1,970.86	9	2,387.45	9	2,804.63	9	3,212.55	9	3,598.97	9	3,980.57
1/4	325.43	1/4	735.63	1/4	1,149.89	1/4	1,566.45	1/4	1,979.40	1/4	2,396.14	1/4	2,813.32	1/4	3,220.62	1/4	3,606.97	1/4	3,988.46
1/2	333.96	1/2	744.15	1/2	1,158.55	1/2	1,575.14	1/2	1,987.95	1/2	2,404.83	1/2	2,822.01	1/2	3,228.69	1/2	3,614.97	1/2	3,996.35
3/4	342.48	3/4	752.67	3/4	1,167.20	3/4	1,583.83	3/4	1,996.49	3/4	2,413.52	3/4	2,830.70	3/4	3,236.76	3/4	3,622.97	3/4	4,004.24
10	351.01	10	761.19	10	1,175.85	10	1,592.53	10	2,005.04	10	2,422.21	10	2,839.39	10	3,244.84	10	3,630.97	10	4,012.13
1/4	359.53	1/4	769.72	1/4	1,184.51	1/4	1,601.22	1/4	2,013.73	1/4	2,430.90	1/4	2,848.08	1/4	3,252.91	1/4	3,638.96	1/4	4,020.01
1/2	368.05	1/2	778.25	1/2	1,193.17	1/2	1,609.91	1/2	2,022.42	1/2	2,439.59	1/2	2,856.77	1/2	3,260.98	1/2	3,646.95	1/2	4,027.90
3/4	376.57	3/4	786.77	3/4	1,201.82	3/4	1,618.60	3/4	2,031.12	3/4	2,448.29	3/4	2,865.47	3/4	3,269.06	3/4	3,654.94	3/4	4,035.78
11	385.10	11	795.30	11	1,210.48	11	1,627.29	11	2,039.81	11	2,456.98	11	2,874.16	11	3,277.13	11	3,662.93	11	4,043.66
1/4	393.65	1/4	803.87	1/4	1,219.14	1/4	1,635.99	1/4	2,048.50	1/4	2,465.67	1/4	2,882.85	1/4	3,285.20	1/4	3,670.91	1/4	4,051.54
1/2	402.21	1/2	812.43	1/2	1,227.79	1/2	1,644.68	1/2	2,057.19	1/2	2,474.36	1/2	2,891.54	1/2	3,293.28	1/2	3,678.89	1/2	4,059.41
3/4	410.76	3/4	821.00	3/4	1,236.45	3/4	1,653.37	3/4	2,065.88	3/4	2,483.05	3/4	2,900.23	3/4	3,301.35	3/4	3,686.87	3/4	4,067.28

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 10" DIAMETER HATCH.
 GAUGE POINT: (10" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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





BARGE "MMLP 327"

2 STBD

"ALERT THERE IS A VOLUME FOR THE ZERO GAUGES ON STRAPPINGS DUE TO LOCATION OF GAUGING POINT, VERIFY THIS VOLUME BY CHECKING THE AFT MOST GAUGE POINT OR SIGHT GLASS." IF PRODUCT IS NOTED AFTER DISCHARGE, PLEASE NOTIFY THE LA PORTE OFFICE IMMEDIATELY. BARGES ARE DESIGNED TO BE LIQUID FREE AFTER EACH DISCHARGE

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 1"

GAUGE HEIGHT 16'-10"

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	4,075.16	0	4,450.30	0	4,820.28	0	5,185.09	0		0		0		0		0		0	
1/4	4,083.02	1/4	4,458.06	1/4	4,827.93	1/4	5,192.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,090.89	1/2	4,465.81	1/2	4,835.58	1/2	5,200.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,098.75	3/4	4,473.57	3/4	4,843.23	3/4	5,207.72	3/4		3/4		3/4		3/4		3/4		3/4	
1	4,106.62	1	4,481.33	1	4,850.88	1	5,215.26	1		1		1		1		1		1	
1/4	4,114.47	1/4	4,489.08	1/4	4,858.52	1/4	5,222.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,122.33	1/2	4,496.82	1/2	4,866.16	1/2	5,230.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,130.18	3/4	4,504.57	3/4	4,873.80	3/4	5,238.09	3/4		3/4		3/4		3/4		3/4		3/4	
2	4,138.04	2	4,512.32	2	4,881.44	2	5,245.70	2		2		2		2		2		2	
1/4	4,145.89	1/4	4,520.06	1/4	4,889.07	1/4	5,253.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,153.73	1/2	4,527.80	1/2	4,896.70	1/2	5,261.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,161.58	3/4	4,535.54	3/4	4,904.33	3/4	5,269.44	3/4		3/4		3/4		3/4		3/4		3/4	
3	4,169.43	3	4,543.28	3	4,911.97	3	5,277.35	3		3		3		3		3		3	
1/4	4,177.26	1/4	4,551.01	1/4	4,919.59	1/4	5,285.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,185.10	1/2	4,558.74	1/2	4,927.21	1/2	5,293.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,192.94	3/4	4,566.47	3/4	4,934.83	3/4	5,301.75	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,200.78	4	4,574.20	4	4,942.46	4	5,309.88	4		4		4		4		4		4	
1/4	4,208.61	1/4	4,581.92	1/4	4,950.07	1/4	5,318.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,216.44	1/2	4,589.64	1/2	4,957.68	1/2	5,326.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,224.27	3/4	4,597.36	3/4	4,965.30	3/4	5,334.26	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,232.09	5	4,605.08	5	4,972.91	5	5,342.38	5		5		5		5		5		5	
1/4	4,239.91	1/4	4,612.80	1/4	4,980.52	1/4	5,350.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,247.73	1/2	4,620.51	1/2	4,988.12	1/2	5,358.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,255.55	3/4	4,628.22	3/4	4,995.73	3/4	5,366.73	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,263.37	6	4,635.93	6	5,003.33	6	5,374.84	6		6		6		6		6		6	
1/4	4,271.18	1/4	4,643.64	1/4	5,010.93	1/4	5,382.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,279.00	1/2	4,651.34	1/2	5,018.52	1/2	5,391.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,286.81	3/4	4,659.04	3/4	5,026.12	3/4	5,399.16	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,294.62	7	4,666.75	7	5,033.71	7	5,407.27	7		7		7		7		7		7	
1/4	4,302.42	1/4	4,674.44	1/4	5,041.30	1/4	5,415.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,310.22	1/2	4,682.14	1/2	5,048.89	1/2	5,423.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,318.02	3/4	4,689.83	3/4	5,056.48	3/4	5,431.56	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,325.83	8	4,697.53	8	5,064.06	8	5,439.66	8		8		8		8		8		8	
1/4	4,333.62	1/4	4,705.21	1/4	5,071.64	1/4	5,447.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,341.41	1/2	4,712.90	1/2	5,079.22	1/2	5,455.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,349.20	3/4	4,720.58	3/4	5,086.80	3/4	5,463.93	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,357.00	9	4,728.27	9	5,094.37	9	5,472.02	9		9		9		9		9		9	
1/4	4,364.78	1/4	4,735.94	1/4	5,101.94	1/4	5,479.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,372.57	1/2	4,743.62	1/2	5,109.51	1/2	5,487.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,380.35	3/4	4,751.30	3/4	5,117.08	3/4	5,495.95	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,388.13	10	4,758.97	10	5,124.65	10	5,503.92	10		10		10		10		10		10	
1/4	4,395.91	1/4	4,766.64	1/4	5,132.21	1/4	5,511.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,403.68	1/2	4,774.31	1/2	5,139.77	1/2	5,518.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,411.46	3/4	4,781.98	3/4	5,147.33	3/4	5,526.05	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,419.23	11	4,789.64	11	5,154.89	11	5,533.43	11		11		11		11		11		11	
1/4	4,427.00	1/4	4,797.30	1/4	5,162.44	1/4	5,539.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,434.77	1/2	4,804.96	1/2	5,169.99	1/2	5,545.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,442.53	3/4	4,812.62	3/4	5,177.54	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/21/2014 SW
CALCULATED: 08/25/2014 CL
PRINTED: 08/25/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

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



BARGE "MMLP 327"

3 PORT

"ALERT THERE IS A VOLUME FOR THE ZERO GAUGES ON STRAPPINGS DUE TO LOCATION OF GAUGING POINT, VERIFY THIS VOLUME BY CHECKING THE AFT MOST GAUGE POINT OR SIGHT GLASS." IF PRODUCT IS NOTED AFTER DISCHARGE, PLEASE NOTIFY THE LA PORTE OFFICE IMMEDIATELY. BARGES ARE DESIGNED TO BE LIQUID FREE AFTER EACH DISCHARGE

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 1"

GAUGE HEIGHT 16'-09 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	37.75	0	388.40	0	767.77	0	1,166.99	0	1,554.88	0	1,936.26	0	2,321.69	0	2,706.72	0	3,076.03	0	3,379.29
1/4	42.54	1/4	396.44	1/4	775.81	1/4	1,175.35	1/4	1,562.91	1/4	1,944.29	1/4	2,329.72	1/4	2,714.73	1/4	3,083.50	1/4	3,383.53
1/2	47.32	1/2	404.48	1/2	783.85	1/2	1,183.72	1/2	1,570.94	1/2	1,952.32	1/2	2,337.75	1/2	2,722.73	1/2	3,090.96	1/2	3,387.77
3/4	52.11	3/4	412.52	3/4	791.88	3/4	1,192.08	3/4	1,578.97	3/4	1,960.35	3/4	2,345.78	3/4	2,730.73	3/4	3,098.42	3/4	3,392.01
1	56.89	1	420.56	1	799.92	1	1,200.44	1	1,587.01	1	1,968.38	1	2,353.81	1	2,738.74	1	3,105.88	1	3,396.26
1/4	62.65	1/4	428.56	1/4	808.04	1/4	1,208.72	1/4	1,595.04	1/4	1,976.42	1/4	2,361.84	1/4	2,746.74	1/4	3,113.34	1/4	3,400.49
1/2	68.40	1/2	436.56	1/2	816.15	1/2	1,217.00	1/2	1,603.07	1/2	1,984.45	1/2	2,369.87	1/2	2,754.74	1/2	3,120.80	1/2	3,404.73
3/4	74.15	3/4	444.56	3/4	824.27	3/4	1,225.28	3/4	1,611.10	3/4	1,992.48	3/4	2,377.90	3/4	2,762.75	3/4	3,128.26	3/4	3,408.97
2	79.90	2	452.56	2	832.39	2	1,233.56	2	1,619.14	2	2,000.51	2	2,385.94	2	2,770.75	2	3,135.73	2	3,413.20
1/4	86.54	1/4	460.45	1/4	840.75	1/4	1,241.60	1/4	1,627.17	1/4	2,008.54	1/4	2,393.97	1/4	2,778.75	1/4	3,143.18	1/4	3,417.44
1/2	93.18	1/2	468.33	1/2	849.11	1/2	1,249.63	1/2	1,635.20	1/2	2,016.57	1/2	2,402.00	1/2	2,786.76	1/2	3,150.64	1/2	3,421.67
3/4	99.82	3/4	476.22	3/4	857.47	3/4	1,257.66	3/4	1,643.24	3/4	2,024.60	3/4	2,410.03	3/4	2,794.76	3/4	3,158.10	3/4	3,425.90
3	106.46	3	484.10	3	865.83	3	1,265.69	3	1,651.27	3	2,032.63	3	2,418.06	3	2,802.77	3	3,165.55	3	3,430.13
1/4	113.95	1/4	491.99	1/4	874.19	1/4	1,273.73	1/4	1,659.26	1/4	2,040.66	1/4	2,426.09	1/4	2,810.77	1/4	3,173.00	1/4	3,434.36
1/2	121.44	1/2	499.88	1/2	882.56	1/2	1,281.76	1/2	1,667.25	1/2	2,048.68	1/2	2,434.12	1/2	2,818.77	1/2	3,180.46	1/2	3,438.59
3/4	128.93	3/4	507.77	3/4	890.92	3/4	1,289.79	3/4	1,675.24	3/4	2,056.71	3/4	2,442.16	3/4	2,826.78	3/4	3,187.91	3/4	3,442.81
4	136.42	4	515.66	4	899.28	4	1,297.83	4	1,683.23	4	2,064.73	4	2,450.19	4	2,834.78	4	3,195.36	4	3,447.04
1/4	144.23	1/4	523.53	1/4	907.64	1/4	1,305.86	1/4	1,691.08	1/4	2,072.76	1/4	2,458.22	1/4	2,842.72	1/4	3,202.81	1/4	3,451.26
1/2	152.04	1/2	531.41	1/2	916.01	1/2	1,313.89	1/2	1,698.94	1/2	2,080.78	1/2	2,466.25	1/2	2,850.66	1/2	3,210.25	1/2	3,455.49
3/4	159.85	3/4	539.29	3/4	924.37	3/4	1,321.92	3/4	1,706.80	3/4	2,088.81	3/4	2,474.28	3/4	2,858.59	3/4	3,217.70	3/4	3,459.71
5	167.65	5	547.16	5	932.74	5	1,329.96	5	1,714.66	5	2,096.84	5	2,482.31	5	2,866.53	5	3,225.15	5	3,463.93
1/4	175.50	1/4	555.04	1/4	941.11	1/4	1,337.99	1/4	1,722.52	1/4	2,104.87	1/4	2,490.34	1/4	2,874.18	1/4	3,232.59	1/4	3,468.15
1/2	183.34	1/2	562.91	1/2	949.47	1/2	1,346.02	1/2	1,730.38	1/2	2,112.90	1/2	2,498.38	1/2	2,881.83	1/2	3,240.03	1/2	3,472.37
3/4	191.19	3/4	570.79	3/4	957.84	3/4	1,354.06	3/4	1,738.23	3/4	2,120.93	3/4	2,506.41	3/4	2,889.48	3/4	3,247.48	3/4	3,476.59
6	199.03	6	578.66	6	966.20	6	1,362.09	6	1,746.09	6	2,128.96	6	2,514.44	6	2,897.13	6	3,254.92	6	3,480.80
1/4	206.90	1/4	586.53	1/4	974.57	1/4	1,370.12	1/4	1,753.95	1/4	2,136.99	1/4	2,522.47	1/4	2,904.56	1/4	3,262.36	1/4	3,485.02
1/2	214.77	1/2	594.40	1/2	982.94	1/2	1,378.15	1/2	1,761.81	1/2	2,145.02	1/2	2,530.50	1/2	2,912.00	1/2	3,269.79	1/2	3,489.23
3/4	222.63	3/4	602.27	3/4	991.30	3/4	1,386.19	3/4	1,769.67	3/4	2,153.05	3/4	2,538.53	3/4	2,919.43	3/4	3,277.23	3/4	3,493.44
7	230.50	7	610.14	7	999.67	7	1,394.22	7	1,777.53	7	2,161.08	7	2,546.57	7	2,926.86	7	3,284.67	7	3,497.66
1/4	238.38	1/4	618.01	1/4	1,008.04	1/4	1,402.25	1/4	1,785.38	1/4	2,169.11	1/4	2,554.59	1/4	2,934.31	1/4	3,291.31	1/4	3,501.86
1/2	246.26	1/2	625.88	1/2	1,016.40	1/2	1,410.28	1/2	1,793.24	1/2	2,177.14	1/2	2,562.61	1/2	2,941.75	1/2	3,297.95	1/2	3,506.07
3/4	254.14	3/4	633.75	3/4	1,024.77	3/4	1,418.32	3/4	1,801.10	3/4	2,185.17	3/4	2,570.64	3/4	2,949.19	3/4	3,304.59	3/4	3,510.28
8	262.02	8	641.62	8	1,033.14	8	1,426.35	8	1,808.96	8	2,193.20	8	2,578.66	8	2,956.63	8	3,311.23	8	3,514.49
1/4	269.91	1/4	649.49	1/4	1,041.50	1/4	1,434.38	1/4	1,816.82	1/4	2,201.23	1/4	2,586.67	1/4	2,964.09	1/4	3,315.49	1/4	3,518.69
1/2	277.80	1/2	657.36	1/2	1,049.87	1/2	1,442.42	1/2	1,824.68	1/2	2,209.26	1/2	2,594.67	1/2	2,971.56	1/2	3,319.75	1/2	3,522.90
3/4	285.69	3/4	665.23	3/4	1,058.23	3/4	1,450.45	3/4	1,832.54	3/4	2,217.29	3/4	2,602.68	3/4	2,979.02	3/4	3,324.01	3/4	3,527.10
9	293.58	9	673.10	9	1,066.60	9	1,458.48	9	1,840.39	9	2,225.32	9	2,610.68	9	2,986.48	9	3,328.28	9	3,531.30
1/4	301.47	1/4	680.97	1/4	1,074.96	1/4	1,466.51	1/4	1,848.30	1/4	2,233.35	1/4	2,618.68	1/4	2,993.94	1/4	3,332.53	1/4	3,535.50
1/2	309.36	1/2	688.84	1/2	1,083.33	1/2	1,474.55	1/2	1,856.20	1/2	2,241.38	1/2	2,626.69	1/2	3,001.41	1/2	3,336.79	1/2	3,539.70
3/4	317.26	3/4	696.71	3/4	1,091.69	3/4	1,482.58	3/4	1,864.10	3/4	2,249.41	3/4	2,634.69	3/4	3,008.87	3/4	3,341.04	3/4	3,543.90
10	325.15	10	704.58	10	1,100.06	10	1,490.61	10	1,872.00	10	2,257.45	10	2,642.69	10	3,016.33	10	3,345.30	10	3,548.10
1/4	333.04	1/4	712.46	1/4	1,108.42	1/4	1,498.65	1/4	1,880.03	1/4	2,265.48	1/4	2,650.70	1/4	3,023.79	1/4	3,349.55	1/4	3,552.29
1/2	340.93	1/2	720.34	1/2	1,116.79	1/2	1,506.68	1/2	1,888.06	1/2	2,273.51	1/2	2,658.70	1/2	3,031.26	1/2	3,353.80	1/2	3,556.49
3/4	348.82	3/4	728.22	3/4	1,125.16	3/4	1,514.71	3/4	1,896.10	3/4	2,281.54	3/4	2,666.70	3/4	3,038.72	3/4	3,358.05	3/4	3,560.68
11	356.71	11	736.10	11	1,133.53	11	1,522.74	11	1,904.13	11	2,289.57	11	2,674.71	11	3,046.18	11	3,362.30	11	3,564.87
1/4	364.63	1/4	744.02	1/4	1,141.89	1/4	1,530.78	1/4	1,912.16	1/4	2,297.60	1/4	2,682.71	1/4	3,053.65	1/4	3,366.55	1/4	3,569.06
1/2	372.55	1/2	751.94	1/2	1,150.26	1/2	1,538.81	1/2	1,920.19	1/2	2,305.63	1/2	2,690.71	1/2	3,061.11	1/2	3,370.80	1/2	3,573.25
3/4	380.47	3/4	759.86	3/4	1,158.62	3/4	1,546.84	3/4	1,928.22	3/4	2,313.66	3/4	2,698.72	3/4	3,068.57	3/4	3,375.04	3/4	3,577.44

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 10" DIAMETER HATCH.
 GAUGE POINT: (10" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 56'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "MMLP 327"

3 PORT

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INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 1"

GAUGE HEIGHT 16'-09 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,581.63	0	3,781.23	0	3,978.08	0	4,172.18	0		0		0		0		0		0	
1/4	3,585.81	1/4	3,785.35	1/4	3,982.15	1/4	4,176.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,590.00	1/2	3,789.48	1/2	3,986.22	1/2	4,180.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,594.18	3/4	3,793.61	3/4	3,990.29	3/4	4,184.22	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,598.37	1	3,797.74	1	3,994.36	1	4,188.24	1		1		1		1		1		1	
1/4	3,602.55	1/4	3,801.86	1/4	3,998.42	1/4	4,192.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,606.73	1/2	3,805.98	1/2	4,002.49	1/2	4,196.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,610.91	3/4	3,810.10	3/4	4,006.55	3/4	4,200.48	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,615.09	2	3,814.23	2	4,010.62	2	4,204.56	2		2		2		2		2		2	
1/4	3,619.26	1/4	3,818.34	1/4	4,014.68	1/4	4,208.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,623.44	1/2	3,822.46	1/2	4,018.74	1/2	4,213.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,627.61	3/4	3,826.58	3/4	4,022.80	3/4	4,217.64	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,631.79	3	3,830.70	3	4,026.86	3	4,222.00	3		3		3		3		3		3	
1/4	3,635.96	1/4	3,834.81	1/4	4,030.92	1/4	4,226.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,640.13	1/2	3,838.92	1/2	4,034.97	1/2	4,231.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,644.30	3/4	3,843.04	3/4	4,039.03	3/4	4,235.72	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,648.47	4	3,847.15	4	4,043.08	4	4,240.29	4		4		4		4		4		4	
1/4	3,652.63	1/4	3,851.26	1/4	4,047.14	1/4	4,244.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,656.80	1/2	3,855.36	1/2	4,051.19	1/2	4,249.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,660.96	3/4	3,859.47	3/4	4,055.24	3/4	4,253.99	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,665.13	5	3,863.58	5	4,059.29	5	4,258.56	5		5		5		5		5		5	
1/4	3,669.29	1/4	3,867.68	1/4	4,063.34	1/4	4,263.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,673.45	1/2	3,871.79	1/2	4,067.38	1/2	4,267.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,677.61	3/4	3,875.89	3/4	4,071.43	3/4	4,272.24	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,681.77	6	3,879.99	6	4,075.47	6	4,276.80	6		6		6		6		6		6	
1/4	3,685.93	1/4	3,884.09	1/4	4,079.52	1/4	4,281.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,690.08	1/2	3,888.19	1/2	4,083.56	1/2	4,285.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,694.24	3/4	3,892.29	3/4	4,087.60	3/4	4,290.48	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,698.39	7	3,896.39	7	4,091.64	7	4,295.03	7		7		7		7		7		7	
1/4	3,702.55	1/4	3,900.48	1/4	4,095.68	1/4	4,299.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,706.70	1/2	3,904.58	1/2	4,099.71	1/2	4,304.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,710.85	3/4	3,908.67	3/4	4,103.75	3/4	4,308.69	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,715.00	8	3,912.77	8	4,107.79	8	4,313.24	8		8		8		8		8		8	
1/4	3,719.15	1/4	3,916.85	1/4	4,111.82	1/4	4,317.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,723.29	1/2	3,920.94	1/2	4,115.85	1/2	4,322.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,727.44	3/4	3,925.03	3/4	4,119.88	3/4	4,326.89	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,731.58	9	3,929.12	9	4,123.91	9	4,331.44	9		9		9		9		9		9	
1/4	3,735.73	1/4	3,933.21	1/4	4,127.94	1/4	4,335.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,739.87	1/2	3,937.29	1/2	4,131.97	1/2	4,340.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,744.01	3/4	3,941.38	3/4	4,136.00	3/4	4,344.69	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,748.15	10	3,945.46	10	4,140.02	10	4,349.10	10		10		10		10		10		10	
1/4	3,752.29	1/4	3,949.54	1/4	4,144.05	1/4	4,352.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,756.42	1/2	3,953.62	1/2	4,148.07	1/2	4,356.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,760.56	3/4	3,957.70	3/4	4,152.09	3/4	4,360.32	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,764.70	11	3,961.78	11	4,156.11	11	4,364.06	11		11		11		11		11		11	
1/4	3,768.83	1/4	3,965.85	1/4	4,160.13	1/4	4,366.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,772.96	1/2	3,969.93	1/2	4,164.15	1/2	4,369.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,777.09	3/4	3,974.00	3/4	4,168.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/21/2014 SW
CALCULATED: 08/25/2014 CL
PRINTED: 08/25/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

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



BARGE "MMLP 327"

3 STBD

"ALERT THERE IS A VOLUME FOR THE ZERO GAUGES ON STRAPPINGS DUE TO LOCATION OF GAUGING POINT, VERIFY THIS VOLUME BY CHECKING THE AFT MOST GAUGE POINT OR SIGHT GLASS." IF PRODUCT IS NOTED AFTER DISCHARGE, PLEASE NOTIFY THE LA PORTE OFFICE IMMEDIATELY. BARGES ARE DESIGNED TO BE LIQUID FREE AFTER EACH DISCHARGE

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 1"

GAUGE HEIGHT 16'-09 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	37.75	0	388.35	0	768.21	0	1,138.84	0	1,522.93	0	1,904.68	0	2,291.39	0	2,678.18	0	3,049.50	0	3,353.44
1/4	42.53	1/4	396.39	1/4	776.26	1/4	1,146.51	1/4	1,530.98	1/4	1,912.74	1/4	2,299.45	1/4	2,686.24	1/4	3,056.98	1/4	3,357.68
1/2	47.32	1/2	404.43	1/2	784.31	1/2	1,154.18	1/2	1,539.04	1/2	1,920.80	1/2	2,307.51	1/2	2,694.29	1/2	3,064.47	1/2	3,361.92
3/4	52.10	3/4	412.47	3/4	792.36	3/4	1,161.85	3/4	1,547.10	3/4	1,928.85	3/4	2,315.56	3/4	2,702.35	3/4	3,071.95	3/4	3,366.16
1	56.89	1	420.51	1	800.42	1	1,169.52	1	1,555.16	1	1,936.91	1	2,323.62	1	2,710.41	1	3,079.44	1	3,370.40
1/4	62.64	1/4	428.51	1/4	808.37	1/4	1,177.28	1/4	1,563.22	1/4	1,944.97	1/4	2,331.68	1/4	2,718.47	1/4	3,086.92	1/4	3,374.63
1/2	68.39	1/2	436.51	1/2	816.32	1/2	1,185.05	1/2	1,571.28	1/2	1,953.03	1/2	2,339.74	1/2	2,726.53	1/2	3,094.40	1/2	3,378.87
3/4	74.14	3/4	444.51	3/4	824.28	3/4	1,192.82	3/4	1,579.34	3/4	1,961.09	3/4	2,347.79	3/4	2,734.59	3/4	3,101.89	3/4	3,383.11
2	79.90	2	452.51	2	832.23	2	1,200.59	2	1,587.39	2	1,969.15	2	2,355.85	2	2,742.64	2	3,109.37	2	3,387.34
1/4	86.53	1/4	460.40	1/4	839.89	1/4	1,208.64	1/4	1,595.45	1/4	1,977.20	1/4	2,363.91	1/4	2,750.70	1/4	3,116.85	1/4	3,391.57
1/2	93.17	1/2	468.28	1/2	847.55	1/2	1,216.70	1/2	1,603.51	1/2	1,985.26	1/2	2,371.97	1/2	2,758.76	1/2	3,124.33	1/2	3,395.81
3/4	99.81	3/4	476.16	3/4	855.21	3/4	1,224.76	3/4	1,611.57	3/4	1,993.32	3/4	2,380.02	3/4	2,766.82	3/4	3,131.81	3/4	3,400.04
3	106.45	3	484.05	3	862.87	3	1,232.82	3	1,619.63	3	2,001.37	3	2,388.08	3	2,774.88	3	3,139.29	3	3,404.27
1/4	113.94	1/4	491.94	1/4	870.53	1/4	1,240.88	1/4	1,627.63	1/4	2,009.43	1/4	2,396.14	1/4	2,782.93	1/4	3,146.76	1/4	3,408.49
1/2	121.43	1/2	499.83	1/2	878.19	1/2	1,248.94	1/2	1,635.64	1/2	2,017.48	1/2	2,404.20	1/2	2,790.99	1/2	3,154.24	1/2	3,412.72
3/4	128.92	3/4	507.72	3/4	885.85	3/4	1,257.00	3/4	1,643.65	3/4	2,025.53	3/4	2,412.26	3/4	2,799.05	3/4	3,161.71	3/4	3,416.95
4	136.41	4	515.61	4	893.51	4	1,265.05	4	1,651.65	4	2,033.58	4	2,420.32	4	2,807.11	4	3,169.18	4	3,421.17
1/4	144.22	1/4	523.51	1/4	901.18	1/4	1,273.11	1/4	1,659.50	1/4	2,041.63	1/4	2,428.37	1/4	2,815.10	1/4	3,176.65	1/4	3,425.40
1/2	152.02	1/2	531.40	1/2	908.84	1/2	1,281.17	1/2	1,667.35	1/2	2,049.69	1/2	2,436.43	1/2	2,823.08	1/2	3,184.12	1/2	3,429.62
3/4	159.83	3/4	539.29	3/4	916.51	3/4	1,289.23	3/4	1,675.20	3/4	2,057.74	3/4	2,444.49	3/4	2,831.07	3/4	3,191.59	3/4	3,433.84
5	167.63	5	547.18	5	924.17	5	1,297.29	5	1,683.04	5	2,065.79	5	2,452.55	5	2,839.06	5	3,199.06	5	3,438.06
1/4	175.48	1/4	555.07	1/4	931.84	1/4	1,305.35	1/4	1,690.89	1/4	2,073.85	1/4	2,460.61	1/4	2,846.76	1/4	3,206.53	1/4	3,442.28
1/2	183.32	1/2	562.96	1/2	939.50	1/2	1,313.40	1/2	1,698.74	1/2	2,081.90	1/2	2,468.66	1/2	2,854.46	1/2	3,213.99	1/2	3,446.49
3/4	191.17	3/4	570.85	3/4	947.17	3/4	1,321.46	3/4	1,706.59	3/4	2,089.96	3/4	2,476.72	3/4	2,862.16	3/4	3,221.46	3/4	3,450.71
6	199.01	6	578.74	6	954.83	6	1,329.52	6	1,714.44	6	2,098.02	6	2,484.78	6	2,869.86	6	3,228.92	6	3,454.93
1/4	206.88	1/4	586.62	1/4	962.50	1/4	1,337.58	1/4	1,722.28	1/4	2,106.08	1/4	2,492.84	1/4	2,877.34	1/4	3,236.38	1/4	3,459.14
1/2	214.74	1/2	594.51	1/2	970.16	1/2	1,345.64	1/2	1,730.13	1/2	2,114.13	1/2	2,500.90	1/2	2,884.83	1/2	3,243.84	1/2	3,463.35
3/4	222.61	3/4	602.39	3/4	977.83	3/4	1,353.70	3/4	1,737.98	3/4	2,122.19	3/4	2,508.96	3/4	2,892.31	3/4	3,251.30	3/4	3,467.56
7	230.47	7	610.28	7	985.50	7	1,361.76	7	1,745.83	7	2,130.25	7	2,517.01	7	2,899.80	7	3,258.76	7	3,471.78
1/4	238.35	1/4	618.16	1/4	993.16	1/4	1,369.81	1/4	1,753.67	1/4	2,138.31	1/4	2,525.07	1/4	2,907.28	1/4	3,265.42	1/4	3,475.98
1/2	246.23	1/2	626.05	1/2	1,000.83	1/2	1,377.87	1/2	1,761.52	1/2	2,146.36	1/2	2,533.13	1/2	2,914.77	1/2	3,272.08	1/2	3,480.19
3/4	254.11	3/4	633.93	3/4	1,008.50	3/4	1,385.93	3/4	1,769.37	3/4	2,154.42	3/4	2,541.19	3/4	2,922.25	3/4	3,278.74	3/4	3,484.40
8	261.99	8	641.81	8	1,016.16	8	1,393.99	8	1,777.22	8	2,162.48	8	2,549.25	8	2,929.74	8	3,285.39	8	3,488.61
1/4	269.88	1/4	649.70	1/4	1,023.83	1/4	1,402.05	1/4	1,785.06	1/4	2,170.53	1/4	2,557.30	1/4	2,937.22	1/4	3,289.65	1/4	3,492.81
1/2	277.77	1/2	657.58	1/2	1,031.49	1/2	1,410.11	1/2	1,792.91	1/2	2,178.59	1/2	2,565.36	1/2	2,944.71	1/2	3,293.91	1/2	3,497.01
3/4	285.66	3/4	665.47	3/4	1,039.15	3/4	1,418.17	3/4	1,800.76	3/4	2,186.65	3/4	2,573.42	3/4	2,952.19	3/4	3,298.17	3/4	3,501.21
9	293.55	9	673.35	9	1,046.82	9	1,426.22	9	1,808.61	9	2,194.71	9	2,581.48	9	2,959.68	9	3,302.43	9	3,505.42
1/4	301.44	1/4	681.24	1/4	1,054.48	1/4	1,434.28	1/4	1,816.51	1/4	2,202.76	1/4	2,589.54	1/4	2,967.16	1/4	3,306.69	1/4	3,509.61
1/2	309.33	1/2	689.13	1/2	1,062.15	1/2	1,442.34	1/2	1,824.41	1/2	2,210.82	1/2	2,597.60	1/2	2,974.65	1/2	3,310.94	1/2	3,513.81
3/4	317.22	3/4	697.01	3/4	1,069.81	3/4	1,450.40	3/4	1,832.31	3/4	2,218.88	3/4	2,605.65	3/4	2,982.13	3/4	3,315.20	3/4	3,518.01
10	325.11	10	704.90	10	1,077.48	10	1,458.46	10	1,840.21	10	2,226.93	10	2,613.71	10	2,989.62	10	3,319.45	10	3,522.21
1/4	333.00	1/4	712.80	1/4	1,085.15	1/4	1,466.52	1/4	1,848.27	1/4	2,234.99	1/4	2,621.77	1/4	2,997.10	1/4	3,323.70	1/4	3,526.40
1/2	340.89	1/2	720.69	1/2	1,092.82	1/2	1,474.57	1/2	1,856.33	1/2	2,243.05	1/2	2,629.83	1/2	3,004.59	1/2	3,327.95	1/2	3,530.59
3/4	348.78	3/4	728.58	3/4	1,100.49	3/4	1,482.63	3/4	1,864.39	3/4	2,251.11	3/4	2,637.89	3/4	3,012.07	3/4	3,332.20	3/4	3,534.79
11	356.67	11	736.48	11	1,108.16	11	1,490.69	11	1,872.44	11	2,259.16	11	2,645.94	11	3,019.56	11	3,336.45	11	3,538.98
1/4	364.59	1/4	744.41	1/4	1,115.83	1/4	1,498.75	1/4	1,880.50	1/4	2,267.22	1/4	2,654.00	1/4	3,027.04	1/4	3,340.70	1/4	3,543.17
1/2	372.51	1/2	752.34	1/2	1,123.50	1/2	1,506.81	1/2	1,888.56	1/2	2,275.28	1/2	2,662.06	1/2	3,034.53	1/2	3,344.94	1/2	3,547.36
3/4	380.43	3/4	760.28	3/4	1,131.17	3/4	1,514.87	3/4	1,896.62	3/4	2,283.33	3/4	2,670.12	3/4	3,042.01	3/4	3,349.19	3/4	3,551.55

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 AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" DIAMETER HATCH.
 GAUGE POINT: (10" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 56'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "MMLP 327"

3 STBD

"ALERT THERE IS A VOLUME FOR THE ZERO GAUGES ON STRAPPINGS DUE TO LOCATION OF GAUGING POINT, VERIFY THIS VOLUME BY CHECKING THE AFT MOST GAUGE POINT OR SIGHT GLASS." IF PRODUCT IS NOTED AFTER DISCHARGE, PLEASE NOTIFY THE LA PORTE OFFICE IMMEDIATELY. BARGES ARE DESIGNED TO BE LIQUID FREE AFTER EACH DISCHARGE

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 1"

GAUGE HEIGHT 16'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,555.73	0	3,755.29	0	3,952.09	0	4,146.16	0		0		0		0		0		0	
1/4	3,559.92	1/4	3,759.41	1/4	3,956.16	1/4	4,150.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,564.10	1/2	3,763.54	1/2	3,960.23	1/2	4,154.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,568.28	3/4	3,767.67	3/4	3,964.30	3/4	4,158.19	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,572.47	1	3,771.79	1	3,968.37	1	4,162.21	1		1		1		1		1		1	
1/4	3,576.65	1/4	3,775.91	1/4	3,972.44	1/4	4,166.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,580.83	1/2	3,780.03	1/2	3,976.50	1/2	4,170.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,585.00	3/4	3,784.16	3/4	3,980.56	3/4	4,174.44	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,589.18	2	3,788.28	2	3,984.63	2	4,178.52	2		2		2		2		2		2	
1/4	3,593.36	1/4	3,792.40	1/4	3,988.69	1/4	4,182.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,597.53	1/2	3,796.51	1/2	3,992.75	1/2	4,187.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,601.70	3/4	3,800.63	3/4	3,996.81	3/4	4,191.60	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,605.88	3	3,804.75	3	4,000.87	3	4,195.96	3		3		3		3		3		3	
1/4	3,610.05	1/4	3,808.86	1/4	4,004.92	1/4	4,200.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,614.22	1/2	3,812.97	1/2	4,008.98	1/2	4,205.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,618.39	3/4	3,817.08	3/4	4,013.03	3/4	4,209.68	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,622.56	4	3,821.19	4	4,017.09	4	4,214.25	4		4		4		4		4		4	
1/4	3,626.72	1/4	3,825.30	1/4	4,021.14	1/4	4,218.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,630.89	1/2	3,829.41	1/2	4,025.19	1/2	4,223.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,635.05	3/4	3,833.52	3/4	4,029.24	3/4	4,227.94	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,639.21	5	3,837.62	5	4,033.29	5	4,232.51	5		5		5		5		5		5	
1/4	3,643.37	1/4	3,841.73	1/4	4,037.33	1/4	4,237.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,647.53	1/2	3,845.83	1/2	4,041.38	1/2	4,241.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,651.69	3/4	3,849.93	3/4	4,045.42	3/4	4,246.19	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,655.85	6	3,854.03	6	4,049.47	6	4,250.76	6		6		6		6		6		6	
1/4	3,660.01	1/4	3,858.13	1/4	4,053.51	1/4	4,255.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,664.16	1/2	3,862.23	1/2	4,057.55	1/2	4,259.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,668.32	3/4	3,866.33	3/4	4,061.59	3/4	4,264.43	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,672.47	7	3,870.42	7	4,065.63	7	4,268.98	7		7		7		7		7		7	
1/4	3,676.62	1/4	3,874.52	1/4	4,069.67	1/4	4,273.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,680.77	1/2	3,878.61	1/2	4,073.70	1/2	4,278.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,684.92	3/4	3,882.70	3/4	4,077.74	3/4	4,282.64	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,689.07	8	3,886.80	8	4,081.77	8	4,287.19	8		8		8		8		8		8	
1/4	3,693.22	1/4	3,890.88	1/4	4,085.81	1/4	4,291.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,697.36	1/2	3,894.97	1/2	4,089.84	1/2	4,296.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,701.51	3/4	3,899.06	3/4	4,093.87	3/4	4,300.83	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,705.66	9	3,903.15	9	4,097.90	9	4,305.38	9		9		9		9		9		9	
1/4	3,709.80	1/4	3,907.23	1/4	4,101.93	1/4	4,309.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,713.94	1/2	3,911.32	1/2	4,105.95	1/2	4,314.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,718.08	3/4	3,915.40	3/4	4,109.98	3/4	4,318.62	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,722.22	10	3,919.48	10	4,114.00	10	4,323.04	10		10		10		10		10		10	
1/4	3,726.35	1/4	3,923.56	1/4	4,118.03	1/4	4,326.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,730.49	1/2	3,927.64	1/2	4,122.05	1/2	4,330.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,734.63	3/4	3,931.72	3/4	4,126.07	3/4	4,334.26	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,738.76	11	3,935.80	11	4,130.09	11	4,337.99	11		11		11		11		11		11	
1/4	3,742.89	1/4	3,939.87	1/4	4,134.11	1/4	4,340.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,747.02	1/2	3,943.95	1/2	4,138.12	1/2	4,343.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,751.16	3/4	3,948.02	3/4	4,142.14	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/21/2014 SW
CALCULATED: 08/25/2014 CL
PRINTED: 08/25/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

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