



BARGE "MMLP 328"

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

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 2"

GAUGE HEIGHT 16'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,993.14	0	4,648.57	0	4,314.52	0	3,975.76	0	3,632.30	0	3,284.13	0	2,931.55
1/4		1/4		1/4		1/4	4,985.76	1/4	4,641.66	1/4	4,307.51	1/4	3,968.65	1/4	3,625.09	1/4	3,276.82	1/4	2,924.18
1/2		1/2		1/2		1/2	4,978.38	1/2	4,634.74	1/2	4,300.50	1/2	3,961.54	1/2	3,617.88	1/2	3,269.51	1/2	2,916.82
3/4		3/4		3/4		3/4	4,971.00	3/4	4,627.83	3/4	4,293.48	3/4	3,954.43	3/4	3,610.67	3/4	3,262.21	3/4	2,909.45
1		1		1		1	4,963.62	1	4,620.91	1	4,286.47	1	3,947.32	1	3,603.46	1	3,254.90	1	2,902.09
1/4		1/4		1/4		1/4	4,956.23	1/4	4,613.99	1/4	4,279.45	1/4	3,940.20	1/4	3,596.25	1/4	3,247.58	1/4	2,894.72
1/2		1/2		1/2		1/2	4,948.84	1/2	4,607.07	1/2	4,272.43	1/2	3,933.08	1/2	3,589.03	1/2	3,240.27	1/2	2,887.35
3/4		3/4		3/4		3/4	4,941.45	3/4	4,600.15	3/4	4,265.41	3/4	3,925.96	3/4	3,581.81	3/4	3,232.95	3/4	2,879.99
2		2		2		2	4,934.07	2	4,593.22	2	4,258.39	2	3,918.84	2	3,574.60	2	3,225.64	2	2,872.62
1/4		1/4		1/4		1/4	4,926.67	1/4	4,586.29	1/4	4,251.36	1/4	3,911.72	1/4	3,567.37	1/4	3,218.32	1/4	2,865.26
1/2		1/2		1/2		1/2	4,919.27	1/2	4,579.36	1/2	4,244.33	1/2	3,904.59	1/2	3,560.15	1/2	3,210.99	1/2	2,857.89
3/4		3/4		3/4		3/4	4,911.88	3/4	4,572.43	3/4	4,237.30	3/4	3,897.46	3/4	3,552.92	3/4	3,203.67	3/4	2,850.52
3		3		3		3	4,904.48	3	4,565.50	3	4,230.27	3	3,890.34	3	3,545.70	3	3,196.35	3	2,843.16
1/4		1/4		1/4		1/4	4,897.08	1/4	4,558.56	1/4	4,223.24	1/4	3,883.20	1/4	3,538.46	1/4	3,189.02	1/4	2,835.58
1/2		1/2		1/2		1/2	4,889.67	1/2	4,551.62	1/2	4,216.20	1/2	3,876.07	1/2	3,531.23	1/2	3,181.69	1/2	2,828.00
3/4		3/4		3/4		3/4	4,882.27	3/4	4,544.68	3/4	4,209.16	3/4	3,868.93	3/4	3,524.00	3/4	3,174.35	3/4	2,820.43
4		4		4		4	4,874.86	4	4,537.75	4	4,202.12	4	3,861.80	4	3,516.76	4	3,167.02	4	2,812.85
1/4		1/4		1/4		1/4	4,867.45	1/4	4,530.80	1/4	4,195.08	1/4	3,854.65	1/4	3,509.52	1/4	3,159.68	1/4	2,804.99
1/2		1/2		1/2		1/2	4,860.04	1/2	4,523.85	1/2	4,188.03	1/2	3,847.51	1/2	3,502.28	1/2	3,152.34	1/2	2,797.13
3/4		3/4		3/4		3/4	4,852.62	3/4	4,516.90	3/4	4,180.99	3/4	3,840.37	3/4	3,495.04	3/4	3,145.00	3/4	2,789.27
5		5		5		5	4,845.21	5	4,509.96	5	4,173.94	5	3,833.22	5	3,487.80	5	3,137.67	5	2,781.41
1/4		1/4		1/4		1/4	4,837.79	1/4	4,503.00	1/4	4,166.89	1/4	3,826.07	1/4	3,480.55	1/4	3,130.32	1/4	2,773.48
1/2		1/2		1/2		1/2	4,830.37	1/2	4,496.05	1/2	4,159.84	1/2	3,818.92	1/2	3,473.30	1/2	3,122.97	1/2	2,765.55
3/4		3/4		3/4		3/4	4,822.95	3/4	4,489.09	3/4	4,152.78	3/4	3,811.77	3/4	3,466.05	3/4	3,115.62	3/4	2,757.62
6		6		6		6	4,815.53	6	4,482.14	6	4,145.73	6	3,804.62	6	3,458.80	6	3,108.28	6	2,749.69
1/4		1/4		1/4		1/4	4,808.31	1/4	4,475.17	1/4	4,138.67	1/4	3,797.46	1/4	3,451.54	1/4	3,100.92	1/4	2,741.76
1/2		1/2		1/2		1/2	4,801.09	1/2	4,468.21	1/2	4,131.61	1/2	3,790.30	1/2	3,444.28	1/2	3,093.56	1/2	2,733.83
3/4		3/4		3/4		3/4	4,793.87	3/4	4,461.24	3/4	4,124.55	3/4	3,783.14	3/4	3,437.03	3/4	3,086.21	3/4	2,725.90
7		7		7		7	4,786.65	7	4,454.28	7	4,117.48	7	3,775.98	7	3,429.77	7	3,078.85	7	2,717.97
1/4		1/4		1/4		1/4	4,779.71	1/4	4,447.31	1/4	4,110.41	1/4	3,768.81	1/4	3,422.50	1/4	3,071.49	1/4	2,710.04
1/2		1/2		1/2		1/2	4,772.77	1/2	4,440.34	1/2	4,103.34	1/2	3,761.64	1/2	3,415.24	1/2	3,064.13	1/2	2,702.11
3/4		3/4		3/4		3/4	4,765.82	3/4	4,433.37	3/4	4,096.27	3/4	3,754.48	3/4	3,407.97	3/4	3,056.76	3/4	2,694.18
8		8		8		8	4,758.88	8	4,426.39	8	4,089.20	8	3,747.31	8	3,400.71	8	3,049.40	8	2,686.25
1/4		1/4		1/4		1/4	4,752.00	1/4	4,419.41	1/4	4,082.13	1/4	3,740.13	1/4	3,393.43	1/4	3,042.04	1/4	2,678.32
1/2		1/2		1/2		1/2	4,745.11	1/2	4,412.43	1/2	4,075.05	1/2	3,732.96	1/2	3,386.16	1/2	3,034.67	1/2	2,670.40
3/4		3/4		3/4		3/4	4,738.23	3/4	4,405.45	3/4	4,067.97	3/4	3,725.78	3/4	3,378.88	3/4	3,027.31	3/4	2,662.47
9		9		9		9	4,731.35	9	4,398.47	9	4,060.89	9	3,718.60	9	3,371.61	9	3,019.94	9	2,654.54
1/4		1/4		1/4		1/4	4,724.46	1/4	4,391.49	1/4	4,053.81	1/4	3,711.42	1/4	3,364.33	1/4	3,012.57	1/4	2,646.61
1/2		1/2		1/2	5,060.40	1/2	4,717.57	1/2	4,384.50	1/2	4,046.72	1/2	3,704.24	1/2	3,357.05	1/2	3,005.21	1/2	2,638.68
3/4		3/4		3/4	5,054.78	3/4	4,710.68	3/4	4,377.51	3/4	4,039.63	3/4	3,697.05	3/4	3,349.76	3/4	2,997.84	3/4	2,630.75
10		10		10	5,049.17	10	4,703.79	10	4,370.52	10	4,032.55	10	3,689.87	10	3,342.48	10	2,990.48	10	2,622.82
1/4		1/4		1/4	5,042.44	1/4	4,696.89	1/4	4,363.53	1/4	4,025.45	1/4	3,682.68	1/4	3,335.19	1/4	2,983.11	1/4	2,614.89
1/2		1/2		1/2	5,035.71	1/2	4,689.99	1/2	4,356.53	1/2	4,018.36	1/2	3,675.48	1/2	3,327.90	1/2	2,975.74	1/2	2,606.96
3/4		3/4		3/4	5,028.98	3/4	4,683.10	3/4	4,349.53	3/4	4,011.27	3/4	3,668.29	3/4	3,320.61	3/4	2,968.38	3/4	2,599.03
11		11		11	5,022.25	11	4,676.20	11	4,342.54	11	4,004.17	11	3,661.10	11	3,313.32	11	2,961.01	11	2,591.10
1/4		1/4		1/4	5,014.97	1/4	4,669.29	1/4	4,335.53	1/4	3,997.07	1/4	3,653.90	1/4	3,306.02	1/4	2,953.65	1/4	2,583.17
1/2		1/2		1/2	5,007.70	1/2	4,662.39	1/2	4,328.53	1/2	3,989.97	1/2	3,646.70	1/2	3,298.72	1/2	2,946.28	1/2	2,575.24
3/4		3/4		3/4	5,000.42	3/4	4,655.48	3/4	4,321.52	3/4	3,982.86	3/4	3,639.50	3/4	3,291.42	3/4	2,938.92	3/4	2,567.31

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 ULLAGE 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 328"

1 PORT

ULLAGE 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 2"

GAUGE HEIGHT 16'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,559.38	0	2,178.77	0	1,798.25	0	1,418.40	0	1,039.13	0	662.58	0	288.86	0		0		0	
1/4	2,551.45	1/4	2,170.84	1/4	1,790.34	1/4	1,410.47	1/4	1,031.28	1/4	654.83	1/4	281.10	1/4	1/4	1/4		1/4	1/4
1/2	2,543.52	1/2	2,162.92	1/2	1,782.44	1/2	1,402.54	1/2	1,023.42	1/2	647.07	1/2	273.34	1/2	1/2	1/2		1/2	1/2
3/4	2,535.59	3/4	2,154.99	3/4	1,774.54	3/4	1,394.60	3/4	1,015.57	3/4	639.31	3/4	265.58	3/4	3/4	3/4		3/4	3/4
1	2,527.66	1	2,147.06	1	1,766.64	1	1,386.67	1	1,007.71	1	631.55	1	257.82	1	1	1		1	1
1/4	2,519.73	1/4	2,139.13	1/4	1,758.74	1/4	1,378.74	1/4	999.86	1/4	623.80	1/4	250.07	1/4	1/4	1/4		1/4	1/4
1/2	2,511.80	1/2	2,131.20	1/2	1,750.84	1/2	1,370.81	1/2	992.00	1/2	616.04	1/2	242.31	1/2	1/2	1/2		1/2	1/2
3/4	2,503.87	3/4	2,123.27	3/4	1,742.94	3/4	1,362.88	3/4	984.15	3/4	608.28	3/4	234.56	3/4	3/4	3/4		3/4	3/4
2	2,495.94	2	2,115.34	2	1,735.03	2	1,354.95	2	976.29	2	600.52	2	226.81	2	2	2		2	2
1/4	2,488.01	1/4	2,107.41	1/4	1,727.13	1/4	1,347.01	1/4	968.44	1/4	592.76	1/4	219.07	1/4	1/4	1/4		1/4	1/4
1/2	2,480.08	1/2	2,099.49	1/2	1,719.23	1/2	1,339.08	1/2	960.58	1/2	585.01	1/2	211.33	1/2	1/2	1/2		1/2	1/2
3/4	2,472.15	3/4	2,091.56	3/4	1,711.33	3/4	1,331.15	3/4	952.73	3/4	577.25	3/4	203.59	3/4	3/4	3/4		3/4	3/4
3	2,464.22	3	2,083.63	3	1,703.43	3	1,323.22	3	944.87	3	569.49	3	195.85	3	3	3		3	3
1/4	2,456.29	1/4	2,075.70	1/4	1,695.53	1/4	1,315.29	1/4	937.02	1/4	561.73	1/4	188.13	1/4	1/4	1/4		1/4	1/4
1/2	2,448.36	1/2	2,067.77	1/2	1,687.62	1/2	1,307.36	1/2	929.16	1/2	553.97	1/2	180.41	1/2	1/2	1/2		1/2	1/2
3/4	2,440.43	3/4	2,059.84	3/4	1,679.72	3/4	1,299.42	3/4	921.31	3/4	546.20	3/4	172.69	3/4	3/4	3/4		3/4	3/4
4	2,432.50	4	2,051.91	4	1,671.82	4	1,291.49	4	913.45	4	538.44	4	164.98	4	4	4		4	4
1/4	2,424.57	1/4	2,043.98	1/4	1,663.92	1/4	1,283.56	1/4	905.60	1/4	530.67	1/4	157.30	1/4	1/4	1/4		1/4	1/4
1/2	2,416.64	1/2	2,036.06	1/2	1,656.02	1/2	1,275.63	1/2	897.74	1/2	522.91	1/2	149.61	1/2	1/2	1/2		1/2	1/2
3/4	2,408.72	3/4	2,028.13	3/4	1,648.12	3/4	1,267.70	3/4	889.89	3/4	515.15	3/4	141.93	3/4	3/4	3/4		3/4	3/4
5	2,400.79	5	2,020.20	5	1,640.22	5	1,259.77	5	882.03	5	507.38	5	134.25	5	5	5		5	5
1/4	2,392.86	1/4	2,012.27	1/4	1,632.31	1/4	1,251.83	1/4	874.18	1/4	499.62	1/4	126.88	1/4	1/4	1/4		1/4	1/4
1/2	2,384.93	1/2	2,004.34	1/2	1,624.41	1/2	1,243.90	1/2	866.33	1/2	491.85	1/2	119.51	1/2	1/2	1/2		1/2	1/2
3/4	2,377.00	3/4	1,996.41	3/4	1,616.51	3/4	1,235.97	3/4	858.48	3/4	484.09	3/4	112.15	3/4	3/4	3/4		3/4	3/4
6	2,369.07	6	1,988.48	6	1,608.61	6	1,228.04	6	850.63	6	476.32	6	104.78	6	6	6		6	6
1/4	2,361.14	1/4	1,980.55	1/4	1,600.71	1/4	1,220.11	1/4	842.79	1/4	468.57	1/4	98.24	1/4	1/4	1/4		1/4	1/4
1/2	2,353.21	1/2	1,972.62	1/2	1,592.81	1/2	1,212.17	1/2	834.94	1/2	460.81	1/2	91.71	1/2	1/2	1/2		1/2	1/2
3/4	2,345.28	3/4	1,964.69	3/4	1,584.91	3/4	1,204.24	3/4	827.09	3/4	453.05	3/4	85.18	3/4	3/4	3/4		3/4	3/4
7	2,337.35	7	1,956.76	7	1,577.00	7	1,196.31	7	819.24	7	445.29	7	78.65	7	7	7		7	7
1/4	2,329.42	1/4	1,948.83	1/4	1,569.08	1/4	1,188.44	1/4	811.33	1/4	437.42	1/4	72.99	1/4	1/4	1/4		1/4	1/4
1/2	2,321.49	1/2	1,940.90	1/2	1,561.16	1/2	1,180.56	1/2	803.43	1/2	429.55	1/2	67.33	1/2	1/2	1/2		1/2	1/2
3/4	2,313.56	3/4	1,932.97	3/4	1,553.23	3/4	1,172.69	3/4	795.52	3/4	421.67	3/4	61.66	3/4	3/4	3/4		3/4	3/4
8	2,305.63	8	1,925.04	8	1,545.31	8	1,164.81	8	787.62	8	413.80	8	56.00	8	8	8		8	8
1/4	2,297.70	1/4	1,917.11	1/4	1,537.37	1/4	1,156.96	1/4	779.69	1/4	405.89	1/4	51.29	1/4	1/4	1/4		1/4	1/4
1/2	2,289.77	1/2	1,909.18	1/2	1,529.44	1/2	1,149.10	1/2	771.77	1/2	397.97	1/2	46.59	1/2	1/2	1/2		1/2	1/2
3/4	2,281.85	3/4	1,901.25	3/4	1,521.51	3/4	1,141.25	3/4	763.84	3/4	390.06	3/4	41.88	3/4	3/4	3/4		3/4	3/4
9	2,273.92	9	1,893.32	9	1,513.58	9	1,133.39	9	755.92	9	382.15	9	37.17	9	9	9		9	9
1/4	2,265.99	1/4	1,885.39	1/4	1,505.65	1/4	1,125.54	1/4	748.11	1/4	374.35	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,258.06	1/2	1,877.46	1/2	1,497.72	1/2	1,117.68	1/2	740.31	1/2	366.56	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,250.13	3/4	1,869.53	3/4	1,489.78	3/4	1,109.83	3/4	732.50	3/4	358.76	3/4		3/4	3/4	3/4		3/4	3/4
10	2,242.20	10	1,861.60	10	1,481.85	10	1,101.97	10	724.69	10	350.97	10		10	10	10		10	10
1/4	2,234.27	1/4	1,853.67	1/4	1,473.92	1/4	1,094.12	1/4	716.93	1/4	343.21	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,226.34	1/2	1,845.74	1/2	1,465.99	1/2	1,086.26	1/2	709.16	1/2	335.45	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,218.42	3/4	1,837.81	3/4	1,458.06	3/4	1,078.41	3/4	701.39	3/4	327.68	3/4		3/4	3/4	3/4		3/4	3/4
11	2,210.49	11	1,829.88	11	1,450.13	11	1,070.55	11	693.62	11	319.92	11		11	11	11		11	11
1/4	2,202.56	1/4	1,821.97	1/4	1,442.19	1/4	1,062.70	1/4	685.86	1/4	312.16	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,194.63	1/2	1,814.06	1/2	1,434.26	1/2	1,054.84	1/2	678.10	1/2	304.39	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,186.70	3/4	1,806.15	3/4	1,426.33	3/4	1,046.99	3/4	670.34	3/4	296.63	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/22/2015 SW
CALCULATED: 04/22/2015 CL
PRINTED: 04/23/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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



BARGE "MMLP 328"

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

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 2"

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		0		0		0	4,999.97	0	4,655.14	0	4,321.29	0	3,982.73	0	3,639.47	0	3,291.51	0	2,939.11
1/4		1/4		1/4		1/4	4,992.70	1/4	4,648.24	1/4	4,314.28	1/4	3,975.63	1/4	3,632.27	1/4	3,284.21	1/4	2,931.75
1/2		1/2		1/2		1/2	4,985.32	1/2	4,641.32	1/2	4,307.27	1/2	3,968.52	1/2	3,625.06	1/2	3,276.90	1/2	2,924.38
3/4		3/4		3/4		3/4	4,977.94	3/4	4,634.41	3/4	4,300.26	3/4	3,961.41	3/4	3,617.86	3/4	3,269.60	3/4	2,917.02
1		1		1		1	4,970.56	1	4,627.50	1	4,293.25	1	3,954.30	1	3,610.65	1	3,262.30	1	2,909.66
1/4		1/4		1/4		1/4	4,963.19	1/4	4,620.59	1/4	4,286.24	1/4	3,947.20	1/4	3,603.45	1/4	3,254.99	1/4	2,902.29
1/2		1/2		1/2		1/2	4,955.80	1/2	4,613.67	1/2	4,279.22	1/2	3,940.08	1/2	3,596.23	1/2	3,247.68	1/2	2,894.93
3/4		3/4		3/4		3/4	4,948.41	3/4	4,606.75	3/4	4,272.21	3/4	3,932.96	3/4	3,589.02	3/4	3,240.37	3/4	2,887.57
2		2		2		2	4,941.03	2	4,599.83	2	4,265.19	2	3,925.85	2	3,581.80	2	3,233.05	2	2,880.20
1/4		1/4		1/4		1/4	4,933.64	1/4	4,592.90	1/4	4,258.17	1/4	3,918.73	1/4	3,574.59	1/4	3,225.74	1/4	2,872.84
1/2		1/2		1/2		1/2	4,926.25	1/2	4,585.98	1/2	4,251.14	1/2	3,911.61	1/2	3,567.36	1/2	3,218.42	1/2	2,865.47
3/4		3/4		3/4		3/4	4,918.85	3/4	4,579.05	3/4	4,244.12	3/4	3,904.48	3/4	3,560.14	3/4	3,211.10	3/4	2,858.11
3		3		3		3	4,911.46	3	4,572.12	3	4,237.09	3	3,897.36	3	3,552.92	3	3,203.78	3	2,850.75
1/4		1/4		1/4		1/4	4,904.07	1/4	4,565.19	1/4	4,230.06	1/4	3,890.23	1/4	3,545.70	1/4	3,196.46	1/4	2,843.38
1/2		1/2		1/2		1/2	4,896.66	1/2	4,558.25	1/2	4,223.03	1/2	3,883.10	1/2	3,538.47	1/2	3,189.13	1/2	2,835.81
3/4		3/4		3/4		3/4	4,889.26	3/4	4,551.32	3/4	4,215.99	3/4	3,875.96	3/4	3,531.23	3/4	3,181.80	3/4	2,828.23
4		4		4		4	4,881.86	4	4,544.38	4	4,208.96	4	3,868.83	4	3,524.00	4	3,174.47	4	2,820.66
1/4		1/4		1/4		1/4	4,874.46	1/4	4,537.44	1/4	4,201.92	1/4	3,861.70	1/4	3,516.77	1/4	3,167.14	1/4	2,813.08
1/2		1/2		1/2		1/2	4,867.05	1/2	4,530.50	1/2	4,194.88	1/2	3,854.56	1/2	3,509.53	1/2	3,159.81	1/2	2,805.23
3/4		3/4		3/4		3/4	4,859.63	3/4	4,523.55	3/4	4,187.84	3/4	3,847.42	3/4	3,502.29	3/4	3,152.47	3/4	2,797.37
5		5		5		5	4,852.22	5	4,516.61	5	4,180.79	5	3,840.28	5	3,495.06	5	3,145.13	5	2,789.52
1/4		1/4		1/4		1/4	4,844.81	1/4	4,509.66	1/4	4,173.75	1/4	3,833.14	1/4	3,487.82	1/4	3,137.80	1/4	2,781.66
1/2		1/2		1/2		1/2	4,837.39	1/2	4,502.71	1/2	4,166.70	1/2	3,825.99	1/2	3,480.57	1/2	3,130.45	1/2	2,773.73
3/4		3/4		3/4		3/4	4,829.98	3/4	4,495.75	3/4	4,159.65	3/4	3,818.84	3/4	3,473.32	3/4	3,123.11	3/4	2,765.81
6		6		6		6	4,822.56	6	4,488.80	6	4,152.60	6	3,811.69	6	3,466.08	6	3,115.76	6	2,757.88
1/4		1/4		1/4		1/4	4,815.14	1/4	4,481.85	1/4	4,145.55	1/4	3,804.54	1/4	3,458.83	1/4	3,108.41	1/4	2,749.95
1/2		1/2		1/2		1/2	4,807.92	1/2	4,474.89	1/2	4,138.49	1/2	3,797.38	1/2	3,451.57	1/2	3,101.06	1/2	2,742.03
3/4		3/4		3/4		3/4	4,800.71	3/4	4,467.93	3/4	4,131.43	3/4	3,790.22	3/4	3,444.32	3/4	3,093.71	3/4	2,734.10
7		7		7		7	4,793.49	7	4,460.96	7	4,124.37	7	3,783.07	7	3,437.06	7	3,086.35	7	2,726.17
1/4		1/4		1/4		1/4	4,786.28	1/4	4,454.00	1/4	4,117.31	1/4	3,775.91	1/4	3,429.81	1/4	3,079.00	1/4	2,718.24
1/2		1/2		1/2		1/2	4,779.33	1/2	4,447.03	1/2	4,110.24	1/2	3,768.74	1/2	3,422.54	1/2	3,071.64	1/2	2,710.32
3/4		3/4		3/4		3/4	4,772.39	3/4	4,440.06	3/4	4,103.17	3/4	3,761.58	3/4	3,415.28	3/4	3,064.28	3/4	2,702.39
8		8		8		8	4,765.45	8	4,433.09	8	4,096.10	8	3,754.41	8	3,408.02	8	3,056.92	8	2,694.46
1/4		1/4		1/4		1/4	4,758.51	1/4	4,426.12	1/4	4,089.04	1/4	3,747.25	1/4	3,400.75	1/4	3,049.56	1/4	2,686.54
1/2		1/2		1/2		1/2	4,751.63	1/2	4,419.15	1/2	4,081.96	1/2	3,740.07	1/2	3,393.48	1/2	3,042.20	1/2	2,678.61
3/4		3/4		3/4		3/4	4,744.75	3/4	4,412.17	3/4	4,074.89	3/4	3,732.90	3/4	3,386.21	3/4	3,034.84	3/4	2,670.68
9		9		9		9	4,737.87	9	4,405.19	9	4,067.81	9	3,725.73	9	3,378.94	9	3,027.47	9	2,662.76
1/4		1/4		1/4		1/4	4,730.99	1/4	4,398.21	1/4	4,060.73	1/4	3,718.55	1/4	3,371.67	1/4	3,020.11	1/4	2,654.83
1/2		1/2		1/2		1/2	4,724.10	1/2	4,391.23	1/2	4,053.65	1/2	3,711.37	1/2	3,364.39	1/2	3,012.75	1/2	2,646.90
3/4		3/4		3/4	5,059.94	3/4	4,717.21	3/4	4,384.24	3/4	4,046.57	3/4	3,704.19	3/4	3,357.11	3/4	3,005.38	3/4	2,638.97
10		10		10	5,054.33	10	4,710.33	10	4,377.26	10	4,039.48	10	3,697.01	10	3,349.83	10	2,998.02	10	2,631.05
1/4		1/4		1/4	5,048.71	1/4	4,703.44	1/4	4,370.27	1/4	4,032.40	1/4	3,689.82	1/4	3,342.55	1/4	2,990.66	1/4	2,623.12
1/2		1/2		1/2	5,041.98	1/2	4,696.54	1/2	4,363.28	1/2	4,025.31	1/2	3,682.63	1/2	3,335.26	1/2	2,983.29	1/2	2,615.19
3/4		3/4		3/4	5,035.26	3/4	4,689.65	3/4	4,356.28	3/4	4,018.21	3/4	3,675.44	3/4	3,327.97	3/4	2,975.93	3/4	2,607.27
11		11		11	5,028.53	11	4,682.75	11	4,349.29	11	4,011.12	11	3,668.25	11	3,320.68	11	2,968.57	11	2,599.34
1/4		1/4		1/4	5,021.80	1/4	4,675.85	1/4	4,342.29	1/4	4,004.03	1/4	3,661.06	1/4	3,313.39	1/4	2,961.20	1/4	2,591.41
1/2		1/2		1/2	5,014.52	1/2	4,668.95	1/2	4,335.29	1/2	3,996.93	1/2	3,653.87	1/2	3,306.10	1/2	2,953.84	1/2	2,583.49
3/4		3/4		3/4	5,007.25	3/4	4,662.04	3/4	4,328.29	3/4	3,989.83	3/4	3,646.67	3/4	3,298.80	3/4	2,946.47	3/4	2,575.56

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 AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE 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 328"

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

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 2"

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	2,567.63	0	2,187.15	0	1,806.77	0	1,427.15	0	1,047.38	0	669.97	0	296.46	0		0			
1/4	2,559.70	1/4	2,179.23	1/4	1,798.87	1/4	1,419.22	1/4	1,039.50	1/4	662.21	1/4	288.70	1/4	1/4	1/4			
1/2	2,551.78	1/2	2,171.30	1/2	1,790.98	1/2	1,411.30	1/2	1,031.61	1/2	654.46	1/2	280.95	1/2	1/2	1/2			
3/4	2,543.85	3/4	2,163.38	3/4	1,783.10	3/4	1,403.37	3/4	1,023.73	3/4	646.70	3/4	273.19	3/4	3/4	3/4			
1	2,535.92	1	2,155.45	1	1,775.21	1	1,395.44	1	1,015.85	1	638.95	1	265.43	1		1			
1/4	2,528.00	1/4	2,147.52	1/4	1,767.33	1/4	1,387.51	1/4	1,007.96	1/4	631.20	1/4	257.68	1/4	1/4	1/4			
1/2	2,520.07	1/2	2,139.60	1/2	1,759.44	1/2	1,379.59	1/2	1,000.08	1/2	623.44	1/2	249.93	1/2	1/2	1/2			
3/4	2,512.14	3/4	2,131.67	3/4	1,751.55	3/4	1,371.66	3/4	992.20	3/4	615.69	3/4	242.18	3/4	3/4	3/4			
2	2,504.22	2	2,123.75	2	1,743.67	2	1,363.73	2	984.31	2	607.94	2	234.43	2		2			
1/4	2,496.29	1/4	2,115.82	1/4	1,735.78	1/4	1,355.80	1/4	976.43	1/4	600.18	1/4	226.68	1/4	1/4	1/4			
1/2	2,488.36	1/2	2,107.89	1/2	1,727.89	1/2	1,347.88	1/2	968.55	1/2	592.43	1/2	218.95	1/2	1/2	1/2			
3/4	2,480.43	3/4	2,099.97	3/4	1,720.01	3/4	1,339.95	3/4	960.66	3/4	584.68	3/4	211.21	3/4	3/4	3/4			
3	2,472.51	3	2,092.04	3	1,712.12	3	1,332.02	3	952.78	3	576.92	3	203.48	3		3			
1/4	2,464.58	1/4	2,084.12	1/4	1,704.23	1/4	1,324.10	1/4	944.90	1/4	569.17	1/4	195.74	1/4	1/4	1/4			
1/2	2,456.65	1/2	2,076.19	1/2	1,696.35	1/2	1,316.17	1/2	937.01	1/2	561.41	1/2	188.03	1/2	1/2	1/2			
3/4	2,448.73	3/4	2,068.26	3/4	1,688.46	3/4	1,308.24	3/4	929.13	3/4	553.65	3/4	180.31	3/4	3/4	3/4			
4	2,440.80	4	2,060.34	4	1,680.58	4	1,300.31	4	921.25	4	545.89	4	172.60	4		4			
1/4	2,432.87	1/4	2,052.41	1/4	1,672.69	1/4	1,292.39	1/4	913.36	1/4	538.14	1/4	164.89	1/4	1/4	1/4			
1/2	2,424.95	1/2	2,044.49	1/2	1,664.80	1/2	1,284.46	1/2	905.48	1/2	530.38	1/2	157.21	1/2	1/2	1/2			
3/4	2,417.02	3/4	2,036.56	3/4	1,656.92	3/4	1,276.53	3/4	897.60	3/4	522.62	3/4	149.53	3/4	3/4	3/4			
5	2,409.09	5	2,028.63	5	1,649.03	5	1,268.61	5	889.71	5	514.86	5	141.86	5		5			
1/4	2,401.16	1/4	2,020.71	1/4	1,641.14	1/4	1,260.68	1/4	881.83	1/4	507.10	1/4	134.18	1/4	1/4	1/4			
1/2	2,393.24	1/2	2,012.78	1/2	1,633.23	1/2	1,252.75	1/2	873.95	1/2	499.34	1/2	126.81	1/2	1/2	1/2			
3/4	2,385.31	3/4	2,004.85	3/4	1,625.31	3/4	1,244.82	3/4	866.07	3/4	491.58	3/4	119.45	3/4	3/4	3/4			
6	2,377.38	6	1,996.93	6	1,617.39	6	1,236.90	6	858.20	6	483.82	6	112.08	6		6			
1/4	2,369.46	1/4	1,989.00	1/4	1,609.48	1/4	1,228.97	1/4	850.32	1/4	476.06	1/4	104.72	1/4	1/4	1/4			
1/2	2,361.53	1/2	1,981.07	1/2	1,601.55	1/2	1,221.04	1/2	842.44	1/2	468.30	1/2	98.19	1/2	1/2	1/2			
3/4	2,353.60	3/4	1,973.15	3/4	1,593.62	3/4	1,213.12	3/4	834.56	3/4	460.55	3/4	91.66	3/4	3/4	3/4			
7	2,345.68	7	1,965.22	7	1,585.69	7	1,205.19	7	826.69	7	452.80	7	85.14	7		7			
1/4	2,337.75	1/4	1,957.29	1/4	1,577.77	1/4	1,197.26	1/4	818.81	1/4	445.04	1/4	78.61	1/4	1/4	1/4			
1/2	2,329.82	1/2	1,949.37	1/2	1,569.84	1/2	1,189.36	1/2	810.90	1/2	437.17	1/2	72.95	1/2	1/2	1/2			
3/4	2,321.90	3/4	1,941.44	3/4	1,561.91	3/4	1,181.47	3/4	802.99	3/4	429.30	3/4	67.29	3/4	3/4	3/4			
8	2,313.97	8	1,933.51	8	1,553.98	8	1,173.57	8	795.08	8	421.44	8	61.63	8		8			
1/4	2,306.04	1/4	1,925.58	1/4	1,546.06	1/4	1,165.67	1/4	787.17	1/4	413.57	1/4	55.98	1/4	1/4	1/4			
1/2	2,298.12	1/2	1,917.66	1/2	1,538.13	1/2	1,157.79	1/2	779.25	1/2	405.66	1/2	51.27	1/2	1/2	1/2			
3/4	2,290.19	3/4	1,909.73	3/4	1,530.20	3/4	1,149.90	3/4	771.33	3/4	397.75	3/4	46.56	3/4	3/4	3/4			
9	2,282.27	9	1,901.80	9	1,522.28	9	1,142.01	9	763.41	9	389.84	9	41.86	9		9			
1/4	2,274.34	1/4	1,893.87	1/4	1,514.35	1/4	1,134.13	1/4	755.49	1/4	381.93	1/4	37.15	1/4	1/4	1/4			
1/2	2,266.41	1/2	1,885.95	1/2	1,506.42	1/2	1,126.24	1/2	747.69	1/2	374.14	1/2		1/2	1/2	1/2			
3/4	2,258.49	3/4	1,878.02	3/4	1,498.49	3/4	1,118.35	3/4	739.89	3/4	366.35	3/4		3/4	3/4	3/4			
10	2,250.56	10	1,870.09	10	1,490.57	10	1,110.47	10	732.09	10	358.56	10		10		10			
1/4	2,242.64	1/4	1,862.17	1/4	1,482.64	1/4	1,102.58	1/4	724.28	1/4	350.77	1/4		1/4	1/4	1/4			
1/2	2,234.71	1/2	1,854.24	1/2	1,474.71	1/2	1,094.69	1/2	716.52	1/2	343.02	1/2		1/2	1/2	1/2			
3/4	2,226.78	3/4	1,846.31	3/4	1,466.79	3/4	1,086.81	3/4	708.76	3/4	335.26	3/4		3/4	3/4	3/4			
11	2,218.86	11	1,838.38	11	1,458.86	11	1,078.92	11	701.00	11	327.50	11		11		11			
1/4	2,210.93	1/4	1,830.46	1/4	1,450.93	1/4	1,071.03	1/4	693.23	1/4	319.74	1/4		1/4	1/4	1/4			
1/2	2,203.01	1/2	1,822.56	1/2	1,443.00	1/2	1,063.15	1/2	685.48	1/2	311.98	1/2		1/2	1/2	1/2			
3/4	2,195.08	3/4	1,814.66	3/4	1,435.08	3/4	1,055.27	3/4	677.72	3/4	304.22	3/4		3/4	3/4	3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/22/2015 SW
CALCULATED: 04/22/2015 CL
PRINTED: 04/23/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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



BARGE "MMLP 328"

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

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 2"

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		0		0		0	5,460.77	0	5,082.80	0	4,716.87	0	4,345.79	0	3,969.54	0	3,588.13	0	3,201.86
1/4		1/4		1/4		1/4	5,452.79	1/4	5,075.23	1/4	4,709.20	1/4	4,338.01	1/4	3,961.65	1/4	3,580.14	1/4	3,193.79
1/2		1/2		1/2		1/2	5,444.71	1/2	5,067.65	1/2	4,701.51	1/2	4,330.21	1/2	3,953.75	1/2	3,572.13	1/2	3,185.72
3/4		3/4		3/4		3/4	5,436.62	3/4	5,060.08	3/4	4,693.83	3/4	4,322.42	3/4	3,945.85	3/4	3,564.12	3/4	3,177.65
1		1		1		1	5,428.53	1	5,052.50	1	4,686.15	1	4,314.63	1	3,937.95	1	3,556.12	1	3,169.58
1/4		1/4		1/4		1/4	5,420.44	1/4	5,044.92	1/4	4,678.46	1/4	4,306.84	1/4	3,930.06	1/4	3,548.11	1/4	3,161.50
1/2		1/2		1/2		1/2	5,412.35	1/2	5,037.34	1/2	4,670.77	1/2	4,299.04	1/2	3,922.15	1/2	3,540.09	1/2	3,153.43
3/4		3/4		3/4		3/4	5,404.25	3/4	5,029.75	3/4	4,663.08	3/4	4,291.24	3/4	3,914.24	3/4	3,532.08	3/4	3,145.36
2		2		2		2	5,396.16	2	5,022.17	2	4,655.38	2	4,283.44	2	3,906.33	2	3,524.06	2	3,137.29
1/4		1/4		1/4		1/4	5,388.06	1/4	5,014.58	1/4	4,647.69	1/4	4,275.64	1/4	3,898.42	1/4	3,516.05	1/4	3,129.22
1/2		1/2		1/2		1/2	5,379.96	1/2	5,006.99	1/2	4,639.99	1/2	4,267.83	1/2	3,890.51	1/2	3,508.02	1/2	3,121.15
3/4		3/4		3/4		3/4	5,371.85	3/4	4,999.39	3/4	4,632.29	3/4	4,260.02	3/4	3,882.59	3/4	3,500.00	3/4	3,113.08
3		3		3		3	5,363.75	3	4,991.80	3	4,624.59	3	4,252.21	3	3,874.67	3	3,491.98	3	3,105.00
1/4		1/4		1/4		1/4	5,355.64	1/4	4,984.21	1/4	4,616.88	1/4	4,244.40	1/4	3,866.76	1/4	3,483.95	1/4	3,096.93
1/2		1/2		1/2		1/2	5,347.53	1/2	4,976.60	1/2	4,609.17	1/2	4,236.58	1/2	3,858.83	1/2	3,475.92	1/2	3,088.63
3/4		3/4		3/4		3/4	5,339.41	3/4	4,969.00	3/4	4,601.46	3/4	4,228.76	3/4	3,850.91	3/4	3,467.88	3/4	3,080.33
4		4		4		4	5,331.30	4	4,961.40	4	4,593.75	4	4,220.95	4	3,842.98	4	3,459.85	4	3,072.02
1/4		1/4		1/4		1/4	5,323.18	1/4	4,953.79	1/4	4,586.04	1/4	4,213.13	1/4	3,835.05	1/4	3,451.82	1/4	3,063.72
1/2		1/2		1/2		1/2	5,315.06	1/2	4,946.18	1/2	4,578.32	1/2	4,205.30	1/2	3,827.12	1/2	3,443.78	1/2	3,055.11
3/4		3/4		3/4		3/4	5,306.94	3/4	4,938.57	3/4	4,570.60	3/4	4,197.47	3/4	3,819.18	3/4	3,435.73	3/4	3,046.50
5		5		5		5	5,298.82	5	4,930.96	5	4,562.88	5	4,189.65	5	3,811.25	5	3,427.69	5	3,037.88
1/4		1/4		1/4		1/4	5,290.69	1/4	4,923.34	1/4	4,555.16	1/4	4,181.82	1/4	3,803.31	1/4	3,419.65	1/4	3,029.27
1/2		1/2		1/2		1/2	5,282.56	1/2	4,915.72	1/2	4,547.43	1/2	4,173.98	1/2	3,795.37	1/2	3,411.60	1/2	3,020.58
3/4		3/4		3/4		3/4	5,274.43	3/4	4,908.10	3/4	4,539.70	3/4	4,166.15	3/4	3,787.43	3/4	3,403.55	3/4	3,011.89
6		6		6		6	5,266.30	6	4,900.48	6	4,531.98	6	4,158.31	6	3,779.48	6	3,395.49	6	3,003.20
1/4		1/4		1/4		1/4	5,258.16	1/4	4,892.86	1/4	4,524.25	1/4	4,150.47	1/4	3,771.54	1/4	3,387.44	1/4	2,994.51
1/2		1/2		1/2		1/2	5,250.26	1/2	4,885.23	1/2	4,516.51	1/2	4,142.63	1/2	3,763.59	1/2	3,379.38	1/2	2,985.82
3/4		3/4		3/4		3/4	5,242.35	3/4	4,877.60	3/4	4,508.77	3/4	4,134.78	3/4	3,755.63	3/4	3,371.32	3/4	2,977.13
7		7		7		7	5,234.44	7	4,869.97	7	4,501.03	7	4,126.94	7	3,747.68	7	3,363.26	7	2,968.44
1/4		1/4		1/4		1/4	5,226.53	1/4	4,862.34	1/4	4,493.30	1/4	4,119.09	1/4	3,739.73	1/4	3,355.20	1/4	2,959.75
1/2		1/2		1/2		1/2	5,218.92	1/2	4,854.70	1/2	4,485.55	1/2	4,111.24	1/2	3,731.77	1/2	3,347.13	1/2	2,951.06
3/4		3/4		3/4		3/4	5,211.31	3/4	4,847.06	3/4	4,477.80	3/4	4,103.39	3/4	3,723.81	3/4	3,339.07	3/4	2,942.38
8		8		8		8	5,203.70	8	4,839.42	8	4,470.06	8	4,095.53	8	3,715.84	8	3,331.00	8	2,933.69
1/4		1/4		1/4		1/4	5,196.09	1/4	4,831.78	1/4	4,462.31	1/4	4,087.68	1/4	3,707.88	1/4	3,322.93	1/4	2,925.00
1/2		1/2		1/2		1/2	5,188.55	1/2	4,824.13	1/2	4,454.55	1/2	4,079.81	1/2	3,699.91	1/2	3,314.86	1/2	2,916.31
3/4		3/4		3/4		3/4	5,181.01	3/4	4,816.49	3/4	4,446.80	3/4	4,071.95	3/4	3,691.94	3/4	3,306.79	3/4	2,907.62
9		9		9		9	5,173.47	9	4,808.84	9	4,439.04	9	4,064.09	9	3,683.97	9	3,298.72	9	2,898.93
1/4		1/4		1/4		1/4	5,165.93	1/4	4,801.19	1/4	4,431.29	1/4	4,056.22	1/4	3,676.00	1/4	3,290.65	1/4	2,890.24
1/2		1/2		1/2		1/2	5,158.38	1/2	4,793.53	1/2	4,423.52	1/2	4,048.35	1/2	3,668.02	1/2	3,282.58	1/2	2,881.55
3/4		3/4		3/4		3/4	5,150.83	3/4	4,785.88	3/4	4,415.76	3/4	4,040.48	3/4	3,660.04	3/4	3,274.50	3/4	2,872.86
10		10		10		10	5,143.28	10	4,778.22	10	4,407.99	10	4,032.61	10	3,652.06	10	3,266.43	10	2,864.17
1/4		1/4		1/4		1/4	5,141.19	1/4	5,135.73	1/4	4,770.56	1/4	4,400.23	1/4	4,024.74	1/4	3,644.08	1/4	3,258.36
1/2		1/2		1/2		1/2	5,135.73	1/2	5,128.17	1/2	4,762.90	1/2	4,392.46	1/2	4,016.85	1/2	3,636.09	1/2	3,250.29
3/4		3/4		3/4		3/4	5,128.17	3/4	5,120.62	3/4	4,755.23	3/4	4,384.68	3/4	4,008.97	3/4	3,628.10	3/4	3,242.22
11		11		11		11	5,120.62	11	5,113.06	11	4,747.56	11	4,376.91	11	4,001.09	11	3,620.12	11	3,234.15
1/4		1/4		1/4		1/4	5,113.06	1/4	5,105.50	1/4	4,739.90	1/4	4,369.14	1/4	3,993.21	1/4	3,612.13	1/4	3,226.08
1/2		1/2		1/2		1/2	5,105.50	1/2	5,097.93	1/2	4,732.22	1/2	4,361.35	1/2	3,985.32	1/2	3,604.13	1/2	3,218.00
3/4		3/4		3/4		3/4	5,097.93	3/4	5,090.36	3/4	4,724.55	3/4	4,353.57	3/4	3,977.43	3/4	3,596.13	3/4	3,209.93

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 ULLAGE 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 328"

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

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 2"

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	2,794.65	0	2,377.56	0	1,960.87	0	1,549.58	0	1,139.35	0	735.48	0	325.37	0		0		0	
1/4	2,785.96	1/4	2,368.87	1/4	1,952.31	1/4	1,540.89	1/4	1,131.04	1/4	726.96	1/4	316.84	1/4	1/4	1/4		1/4	1/4
1/2	2,777.27	1/2	2,360.18	1/2	1,943.80	1/2	1,532.20	1/2	1,122.73	1/2	718.45	1/2	308.33	1/2	1/2	1/2		1/2	1/2
3/4	2,768.58	3/4	2,351.49	3/4	1,935.28	3/4	1,523.51	3/4	1,114.42	3/4	709.93	3/4	299.81	3/4	3/4	3/4		3/4	3/4
1	2,759.89	1	2,342.80	1	1,926.77	1	1,514.82	1	1,106.12	1	701.41	1	291.29	1	1	1		1	1
1/4	2,751.20	1/4	2,334.11	1/4	1,918.26	1/4	1,506.13	1/4	1,097.81	1/4	692.90	1/4	282.77	1/4	1/4	1/4		1/4	1/4
1/2	2,742.51	1/2	2,325.42	1/2	1,909.84	1/2	1,497.44	1/2	1,089.50	1/2	684.38	1/2	274.26	1/2	1/2	1/2		1/2	1/2
3/4	2,733.82	3/4	2,316.74	3/4	1,901.42	3/4	1,488.75	3/4	1,081.19	3/4	675.87	3/4	265.75	3/4	3/4	3/4		3/4	3/4
2	2,725.13	2	2,308.05	2	1,893.00	2	1,480.06	2	1,072.89	2	667.35	2	257.24	2	2	2		2	2
1/4	2,716.44	1/4	2,299.36	1/4	1,884.58	1/4	1,471.37	1/4	1,064.58	1/4	658.83	1/4	248.73	1/4	1/4	1/4		1/4	1/4
1/2	2,707.75	1/2	2,290.67	1/2	1,876.19	1/2	1,462.68	1/2	1,056.27	1/2	650.32	1/2	240.23	1/2	1/2	1/2		1/2	1/2
3/4	2,699.06	3/4	2,281.98	3/4	1,867.80	3/4	1,453.99	3/4	1,047.97	3/4	641.80	3/4	231.74	3/4	3/4	3/4		3/4	3/4
3	2,690.37	3	2,273.29	3	1,859.41	3	1,445.30	3	1,039.66	3	633.29	3	223.24	3	3	3		3	3
1/4	2,681.68	1/4	2,264.60	1/4	1,851.02	1/4	1,436.61	1/4	1,031.35	1/4	624.77	1/4	214.74	1/4	1/4	1/4		1/4	1/4
1/2	2,672.99	1/2	2,255.92	1/2	1,842.63	1/2	1,427.92	1/2	1,023.04	1/2	616.25	1/2	206.27	1/2	1/2	1/2		1/2	1/2
3/4	2,664.30	3/4	2,247.23	3/4	1,834.24	3/4	1,419.23	3/4	1,014.74	3/4	607.73	3/4	197.80	3/4	3/4	3/4		3/4	3/4
4	2,655.61	4	2,238.54	4	1,825.85	4	1,410.54	4	1,006.43	4	599.21	4	189.33	4	4	4		4	4
1/4	2,646.92	1/4	2,229.85	1/4	1,817.46	1/4	1,401.85	1/4	998.12	1/4	590.69	1/4	180.86	1/4	1/4	1/4		1/4	1/4
1/2	2,638.23	1/2	2,221.16	1/2	1,809.07	1/2	1,393.16	1/2	989.81	1/2	582.16	1/2	172.43	1/2	1/2	1/2		1/2	1/2
3/4	2,629.54	3/4	2,212.47	3/4	1,800.68	3/4	1,384.47	3/4	981.51	3/4	573.64	3/4	163.99	3/4	3/4	3/4		3/4	3/4
5	2,620.85	5	2,203.78	5	1,792.30	5	1,375.78	5	973.20	5	565.12	5	155.56	5	5	5		5	5
1/4	2,612.16	1/4	2,195.09	1/4	1,783.91	1/4	1,367.09	1/4	964.89	1/4	556.59	1/4	147.13	1/4	1/4	1/4		1/4	1/4
1/2	2,603.47	1/2	2,186.40	1/2	1,775.29	1/2	1,358.40	1/2	956.59	1/2	548.07	1/2	139.04	1/2	1/2	1/2		1/2	1/2
3/4	2,594.78	3/4	2,177.72	3/4	1,766.68	3/4	1,349.71	3/4	948.29	3/4	539.55	3/4	130.95	3/4	3/4	3/4		3/4	3/4
6	2,586.09	6	2,169.03	6	1,758.06	6	1,341.02	6	939.98	6	531.02	6	122.87	6	6	6		6	6
1/4	2,577.40	1/4	2,160.34	1/4	1,749.45	1/4	1,332.33	1/4	931.68	1/4	522.50	1/4	114.78	1/4	1/4	1/4		1/4	1/4
1/2	2,568.71	1/2	2,151.65	1/2	1,740.76	1/2	1,323.64	1/2	923.38	1/2	513.99	1/2	107.61	1/2	1/2	1/2		1/2	1/2
3/4	2,560.02	3/4	2,142.96	3/4	1,732.07	3/4	1,314.95	3/4	915.08	3/4	505.47	3/4	100.43	3/4	3/4	3/4		3/4	3/4
7	2,551.33	7	2,134.27	7	1,723.38	7	1,306.26	7	906.78	7	496.95	7	93.26	7	7	7		7	7
1/4	2,542.64	1/4	2,125.58	1/4	1,714.69	1/4	1,297.57	1/4	898.48	1/4	488.44	1/4	86.09	1/4	1/4	1/4		1/4	1/4
1/2	2,533.96	1/2	2,116.89	1/2	1,706.00	1/2	1,289.17	1/2	889.89	1/2	479.81	1/2	79.88	1/2	1/2	1/2		1/2	1/2
3/4	2,525.27	3/4	2,108.20	3/4	1,697.31	3/4	1,280.76	3/4	881.30	3/4	471.18	3/4	73.68	3/4	3/4	3/4		3/4	3/4
8	2,516.58	8	2,099.51	8	1,688.62	8	1,272.36	8	872.71	8	462.54	8	67.47	8	8	8		8	8
1/4	2,507.89	1/4	2,090.82	1/4	1,679.93	1/4	1,263.96	1/4	864.13	1/4	453.91	1/4	61.27	1/4	1/4	1/4		1/4	1/4
1/2	2,499.20	1/2	2,082.13	1/2	1,671.24	1/2	1,255.65	1/2	855.44	1/2	445.24	1/2	56.11	1/2	1/2	1/2		1/2	1/2
3/4	2,490.51	3/4	2,073.44	3/4	1,662.55	3/4	1,247.34	3/4	846.76	3/4	436.57	3/4	50.95	3/4	3/4	3/4		3/4	3/4
9	2,481.82	9	2,064.75	9	1,653.86	9	1,239.04	9	838.08	9	427.90	9	45.79	9	9	9		9	9
1/4	2,473.13	1/4	2,056.06	1/4	1,645.17	1/4	1,230.73	1/4	829.40	1/4	419.23	1/4	40.63	1/4	1/4	1/4		1/4	1/4
1/2	2,464.44	1/2	2,047.37	1/2	1,636.48	1/2	1,222.42	1/2	820.83	1/2	410.68	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,455.76	3/4	2,038.68	3/4	1,627.79	3/4	1,214.11	3/4	812.27	3/4	402.12	3/4		3/4	3/4	3/4		3/4	3/4
10	2,447.07	10	2,029.99	10	1,619.10	10	1,205.81	10	803.70	10	393.57	10		10	10	10		10	10
1/4	2,438.38	1/4	2,021.30	1/4	1,610.41	1/4	1,197.50	1/4	795.14	1/4	385.02	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,429.69	1/2	2,012.61	1/2	1,601.72	1/2	1,189.19	1/2	786.61	1/2	376.50	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,421.00	3/4	2,003.92	3/4	1,593.03	3/4	1,180.88	3/4	778.09	3/4	367.98	3/4		3/4	3/4	3/4		3/4	3/4
11	2,412.31	11	1,995.23	11	1,584.34	11	1,172.58	11	769.56	11	359.45	11		11	11	11		11	11
1/4	2,403.62	1/4	1,986.54	1/4	1,575.65	1/4	1,164.27	1/4	761.04	1/4	350.93	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,394.93	1/2	1,977.98	1/2	1,566.96	1/2	1,155.96	1/2	752.52	1/2	342.41	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,386.25	3/4	1,969.42	3/4	1,558.27	3/4	1,147.65	3/4	744.00	3/4	333.89	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/22/2015 SW
CALCULATED: 04/22/2015 CL
PRINTED: 04/23/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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



BARGE "MMLP 328"

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

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 2"

GAUGE HEIGHT 16'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,472.58	0	5,094.90	0	4,728.75	0	4,357.45	0	3,980.98	0	3,599.34	0	3,212.87
1/4		1/4		1/4		1/4	5,464.49	1/4	5,087.32	1/4	4,721.07	1/4	4,349.65	1/4	3,973.07	1/4	3,591.33	1/4	3,204.80
1/2		1/2		1/2		1/2	5,456.40	1/2	5,079.74	1/2	4,713.38	1/2	4,341.86	1/2	3,965.17	1/2	3,583.32	1/2	3,196.73
3/4		3/4		3/4		3/4	5,448.31	3/4	5,072.16	3/4	4,705.70	3/4	4,334.07	3/4	3,957.27	3/4	3,575.31	3/4	3,188.65
1		1		1		1	5,440.22	1	5,064.58	1	4,698.01	1	4,326.27	1	3,949.37	1	3,567.31	1	3,180.58
1/4		1/4		1/4		1/4	5,432.12	1/4	5,057.00	1/4	4,690.31	1/4	4,318.47	1/4	3,941.46	1/4	3,559.29	1/4	3,172.51
1/2		1/2		1/2		1/2	5,424.02	1/2	5,049.41	1/2	4,682.62	1/2	4,310.67	1/2	3,933.55	1/2	3,551.27	1/2	3,164.43
3/4		3/4		3/4		3/4	5,415.93	3/4	5,041.82	3/4	4,674.92	3/4	4,302.86	3/4	3,925.64	3/4	3,543.25	3/4	3,156.36
2		2		2		2	5,407.83	2	5,034.23	2	4,667.23	2	4,295.06	2	3,917.73	2	3,535.23	2	3,148.28
1/4		1/4		1/4		1/4	5,399.72	1/4	5,026.64	1/4	4,659.52	1/4	4,287.25	1/4	3,909.81	1/4	3,527.21	1/4	3,140.21
1/2		1/2		1/2		1/2	5,391.61	1/2	5,019.04	1/2	4,651.82	1/2	4,279.44	1/2	3,901.89	1/2	3,519.18	1/2	3,132.14
3/4		3/4		3/4		3/4	5,383.50	3/4	5,011.44	3/4	4,644.12	3/4	4,271.62	3/4	3,893.97	3/4	3,511.15	3/4	3,124.06
3		3		3		3	5,375.40	3	5,003.85	3	4,636.41	3	4,263.81	3	3,886.05	3	3,503.13	3	3,115.99
1/4		1/4		1/4		1/4	5,367.28	1/4	4,996.24	1/4	4,628.70	1/4	4,255.99	1/4	3,878.12	1/4	3,495.09	1/4	3,107.68
1/2		1/2		1/2		1/2	5,359.16	1/2	4,988.64	1/2	4,620.98	1/2	4,248.17	1/2	3,870.19	1/2	3,487.05	1/2	3,099.38
3/4		3/4		3/4		3/4	5,351.05	3/4	4,981.03	3/4	4,613.27	3/4	4,240.35	3/4	3,862.27	3/4	3,479.02	3/4	3,091.07
4		4		4		4	5,342.93	4	4,973.42	4	4,605.56	4	4,232.53	4	3,854.34	4	3,470.98	4	3,082.76
1/4		1/4		1/4		1/4	5,334.81	1/4	4,965.81	1/4	4,597.84	1/4	4,224.70	1/4	3,846.40	1/4	3,462.94	1/4	3,074.15
1/2		1/2		1/2		1/2	5,326.68	1/2	4,958.20	1/2	4,590.11	1/2	4,216.87	1/2	3,838.46	1/2	3,454.89	1/2	3,065.53
3/4		3/4		3/4		3/4	5,318.55	3/4	4,950.58	3/4	4,582.39	3/4	4,209.04	3/4	3,830.53	3/4	3,446.85	3/4	3,056.92
5		5		5		5	5,310.43	5	4,942.97	5	4,574.67	5	4,201.21	5	3,822.59	5	3,438.80	5	3,048.30
1/4		1/4		1/4		1/4	5,302.29	1/4	4,935.34	1/4	4,566.94	1/4	4,193.37	1/4	3,814.64	1/4	3,430.75	1/4	3,039.61
1/2		1/2		1/2		1/2	5,294.16	1/2	4,927.72	1/2	4,559.21	1/2	4,185.53	1/2	3,806.70	1/2	3,422.70	1/2	3,030.92
3/4		3/4		3/4		3/4	5,286.03	3/4	4,920.10	3/4	4,551.48	3/4	4,177.69	3/4	3,798.75	3/4	3,414.64	3/4	3,022.22
6		6		6		6	5,277.89	6	4,912.47	6	4,543.75	6	4,169.86	6	3,790.80	6	3,406.59	6	3,013.53
1/4		1/4		1/4		1/4	5,269.98	1/4	4,904.84	1/4	4,536.01	1/4	4,162.01	1/4	3,782.85	1/4	3,398.53	1/4	3,004.84
1/2		1/2		1/2		1/2	5,262.07	1/2	4,897.21	1/2	4,528.27	1/2	4,154.16	1/2	3,774.89	1/2	3,390.46	1/2	2,996.15
3/4		3/4		3/4		3/4	5,254.16	3/4	4,889.57	3/4	4,520.53	3/4	4,146.31	3/4	3,766.94	3/4	3,382.40	3/4	2,987.45
7		7		7		7	5,246.24	7	4,881.94	7	4,512.79	7	4,138.47	7	3,758.98	7	3,374.34	7	2,978.76
1/4		1/4		1/4		1/4	5,238.63	1/4	4,874.30	1/4	4,505.04	1/4	4,130.61	1/4	3,751.02	1/4	3,366.27	1/4	2,970.07
1/2		1/2		1/2		1/2	5,231.02	1/2	4,866.66	1/2	4,497.29	1/2	4,122.75	1/2	3,743.05	1/2	3,358.20	1/2	2,961.38
3/4		3/4		3/4		3/4	5,223.41	3/4	4,859.02	3/4	4,489.54	3/4	4,114.90	3/4	3,735.09	3/4	3,350.13	3/4	2,952.68
8		8		8		8	5,215.80	8	4,851.38	8	4,481.79	8	4,107.04	8	3,727.13	8	3,342.06	8	2,943.99
1/4		1/4		1/4		1/4	5,208.26	1/4	4,843.73	1/4	4,474.03	1/4	4,099.17	1/4	3,719.15	1/4	3,333.98	1/4	2,935.30
1/2		1/2		1/2		1/2	5,200.71	1/2	4,836.08	1/2	4,466.27	1/2	4,091.31	1/2	3,711.18	1/2	3,325.91	1/2	2,926.61
3/4		3/4		3/4		3/4	5,193.17	3/4	4,828.43	3/4	4,458.52	3/4	4,083.44	3/4	3,703.21	3/4	3,317.84	3/4	2,917.92
9		9		9		9	5,185.63	9	4,820.77	9	4,450.76	9	4,075.58	9	3,695.23	9	3,309.76	9	2,909.22
1/4		1/4		1/4		1/4	5,178.08	1/4	4,813.12	1/4	4,442.99	1/4	4,067.70	1/4	3,687.25	1/4	3,301.69	1/4	2,900.53
1/2		1/2		1/2		1/2	5,170.52	1/2	4,805.46	1/2	4,435.22	1/2	4,059.83	1/2	3,679.27	1/2	3,293.61	1/2	2,891.84
3/4		3/4		3/4		3/4	5,162.97	3/4	4,797.80	3/4	4,427.46	3/4	4,051.95	3/4	3,671.29	3/4	3,285.54	3/4	2,883.15
10		10		10		10	5,154.40	10	4,790.14	10	4,419.69	10	4,044.08	10	3,663.31	10	3,277.47	10	2,874.45
1/4		1/4		1/4		1/4	5,146.84	1/4	4,782.47	1/4	4,411.91	1/4	4,036.20	1/4	3,655.31	1/4	3,269.39	1/4	2,865.76
1/2		1/2		1/2		1/2	5,139.22	1/2	4,774.80	1/2	4,404.14	1/2	4,028.31	1/2	3,647.32	1/2	3,261.32	1/2	2,857.07
3/4		3/4		3/4		3/4	5,131.67	3/4	4,767.13	3/4	4,396.36	3/4	4,020.43	3/4	3,639.33	3/4	3,253.24	3/4	2,848.38
11		11		11		11	5,124.09	11	4,759.46	11	4,388.59	11	4,012.54	11	3,631.34	11	3,245.17	11	2,839.68
1/4		1/4		1/4		1/4	5,116.51	1/4	4,751.79	1/4	4,380.80	1/4	4,004.65	1/4	3,623.34	1/4	3,237.10	1/4	2,830.99
1/2		1/2		1/2		1/2	5,108.94	1/2	4,744.11	1/2	4,373.02	1/2	3,996.76	1/2	3,615.34	1/2	3,229.02	1/2	2,822.30
3/4		3/4		3/4		3/4	5,101.37	3/4	4,736.43	3/4	4,365.23	3/4	3,988.87	3/4	3,607.34	3/4	3,220.95	3/4	2,813.61

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 ULLAGE 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 328"

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

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 2"

GAUGE HEIGHT 16'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,804.91	0	2,387.70	0	1,971.06	0	1,557.92	0	1,141.36	0	727.19	0	316.94	0		0		0	
1/4	2,796.22	1/4	2,379.01	1/4	1,962.56	1/4	1,549.23	1/4	1,132.70	1/4	718.67	1/4	308.42	1/4	1/4	1/4		1/4	1/4
1/2	2,787.53	1/2	2,370.31	1/2	1,954.07	1/2	1,540.53	1/2	1,124.05	1/2	710.15	1/2	299.90	1/2	1/2	1/2		1/2	1/2
3/4	2,778.84	3/4	2,361.62	3/4	1,945.57	3/4	1,531.84	3/4	1,115.40	3/4	701.63	3/4	291.38	3/4	3/4	3/4		3/4	3/4
1	2,770.14	1	2,352.93	1	1,937.07	1	1,523.15	1	1,106.74	1	693.11	1	282.85	1	1	1		1	1
1/4	2,761.45	1/4	2,344.24	1/4	1,928.57	1/4	1,514.45	1/4	1,098.09	1/4	684.59	1/4	274.34	1/4	1/4	1/4		1/4	1/4
1/2	2,752.76	1/2	2,335.55	1/2	1,920.08	1/2	1,505.76	1/2	1,089.43	1/2	676.07	1/2	265.83	1/2	1/2	1/2		1/2	1/2
3/4	2,744.07	3/4	2,326.86	3/4	1,911.58	3/4	1,497.07	3/4	1,080.78	3/4	667.55	3/4	257.31	3/4	3/4	3/4		3/4	3/4
2	2,735.38	2	2,318.17	2	1,903.08	2	1,488.38	2	1,072.13	2	659.04	2	248.80	2	2	2		2	2
1/4	2,726.68	1/4	2,309.47	1/4	1,894.59	1/4	1,479.68	1/4	1,063.47	1/4	650.52	1/4	240.30	1/4	1/4	1/4		1/4	1/4
1/2	2,717.99	1/2	2,300.78	1/2	1,886.09	1/2	1,470.99	1/2	1,054.82	1/2	642.00	1/2	231.80	1/2	1/2	1/2		1/2	1/2
3/4	2,709.30	3/4	2,292.09	3/4	1,877.59	3/4	1,462.30	3/4	1,046.17	3/4	633.48	3/4	223.31	3/4	3/4	3/4		3/4	3/4
3	2,700.61	3	2,283.40	3	1,869.09	3	1,453.61	3	1,037.51	3	624.96	3	214.81	3	3	3		3	3
1/4	2,691.91	1/4	2,274.71	1/4	1,860.60	1/4	1,444.91	1/4	1,028.86	1/4	616.44	1/4	206.33	1/4	1/4	1/4		1/4	1/4
1/2	2,683.22	1/2	2,266.02	1/2	1,852.10	1/2	1,436.22	1/2	1,020.20	1/2	607.91	1/2	197.86	1/2	1/2	1/2		1/2	1/2
3/4	2,674.53	3/4	2,257.33	3/4	1,843.60	3/4	1,427.53	3/4	1,011.55	3/4	599.39	3/4	189.39	3/4	3/4	3/4		3/4	3/4
4	2,665.84	4	2,248.63	4	1,835.11	4	1,418.83	4	1,002.90	4	590.87	4	180.91	4	4	4		4	4
1/4	2,657.14	1/4	2,239.94	1/4	1,826.61	1/4	1,410.14	1/4	994.24	1/4	582.34	1/4	172.48	1/4	1/4	1/4		1/4	1/4
1/2	2,648.45	1/2	2,231.25	1/2	1,818.11	1/2	1,401.45	1/2	985.59	1/2	573.82	1/2	164.04	1/2	1/2	1/2		1/2	1/2
3/4	2,639.76	3/4	2,222.56	3/4	1,809.61	3/4	1,392.76	3/4	976.94	3/4	565.29	3/4	155.61	3/4	3/4	3/4		3/4	3/4
5	2,631.07	5	2,213.87	5	1,801.12	5	1,384.06	5	968.28	5	556.76	5	147.18	5	5	5		5	5
1/4	2,622.37	1/4	2,205.18	1/4	1,792.47	1/4	1,375.37	1/4	959.63	1/4	548.24	1/4	139.08	1/4	1/4	1/4		1/4	1/4
1/2	2,613.68	1/2	2,196.48	1/2	1,783.83	1/2	1,366.68	1/2	950.98	1/2	539.71	1/2	130.99	1/2	1/2	1/2		1/2	1/2
3/4	2,604.99	3/4	2,187.79	3/4	1,775.19	3/4	1,357.99	3/4	942.34	3/4	531.19	3/4	122.90	3/4	3/4	3/4		3/4	3/4
6	2,596.30	6	2,179.10	6	1,766.54	6	1,349.29	6	933.69	6	522.66	6	114.81	6	6	6		6	6
1/4	2,587.60	1/4	2,170.41	1/4	1,757.85	1/4	1,340.60	1/4	925.04	1/4	514.14	1/4	107.64	1/4	1/4	1/4		1/4	1/4
1/2	2,578.91	1/2	2,161.71	1/2	1,749.16	1/2	1,331.91	1/2	916.39	1/2	505.63	1/2	100.46	1/2	1/2	1/2		1/2	1/2
3/4	2,570.22	3/4	2,153.02	3/4	1,740.46	3/4	1,323.22	3/4	907.74	3/4	497.11	3/4	93.29	3/4	3/4	3/4		3/4	3/4
7	2,561.53	7	2,144.33	7	1,731.77	7	1,314.52	7	899.10	7	488.59	7	86.12	7	7	7		7	7
1/4	2,552.84	1/4	2,135.64	1/4	1,723.08	1/4	1,305.86	1/4	890.42	1/4	479.95	1/4	79.91	1/4	1/4	1/4		1/4	1/4
1/2	2,544.14	1/2	2,126.94	1/2	1,714.39	1/2	1,297.19	1/2	881.75	1/2	471.32	1/2	73.70	1/2	1/2	1/2		1/2	1/2
3/4	2,535.45	3/4	2,118.25	3/4	1,705.69	3/4	1,288.52	3/4	873.07	3/4	462.69	3/4	67.49	3/4	3/4	3/4		3/4	3/4
8	2,526.76	8	2,109.56	8	1,697.00	8	1,279.86	8	864.39	8	454.05	8	61.28	8	8	8		8	8
1/4	2,518.07	1/4	2,100.87	1/4	1,688.31	1/4	1,271.20	1/4	855.71	1/4	445.38	1/4	56.12	1/4	1/4	1/4		1/4	1/4
1/2	2,509.38	1/2	2,092.17	1/2	1,679.62	1/2	1,262.54	1/2	847.02	1/2	436.70	1/2	50.96	1/2	1/2	1/2		1/2	1/2
3/4	2,500.69	3/4	2,083.48	3/4	1,670.92	3/4	1,253.89	3/4	838.34	3/4	428.03	3/4	45.80	3/4	3/4	3/4		3/4	3/4
9	2,491.99	9	2,074.79	9	1,662.23	9	1,245.23	9	829.65	9	419.36	9	40.64	9	9	9		9	9
1/4	2,483.30	1/4	2,066.09	1/4	1,653.54	1/4	1,236.57	1/4	821.08	1/4	410.80	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,474.61	1/2	2,057.40	1/2	1,644.85	1/2	1,227.92	1/2	812.52	1/2	402.24	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,465.92	3/4	2,048.71	3/4	1,636.15	3/4	1,219.26	3/4	803.95	3/4	393.69	3/4		3/4	3/4	3/4		3/4	3/4
10	2,457.23	10	2,040.02	10	1,627.46	10	1,210.60	10	795.38	10	385.13	10		10	10	10		10	10
1/4	2,448.54	1/4	2,031.32	1/4	1,618.77	1/4	1,201.95	1/4	786.85	1/4	376.61	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,439.85	1/2	2,022.63	1/2	1,610.07	1/2	1,193.29	1/2	778.33	1/2	368.09	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,431.15	3/4	2,013.94	3/4	1,601.38	3/4	1,184.63	3/4	769.80	3/4	359.56	3/4		3/4	3/4	3/4		3/4	3/4
11	2,422.46	11	2,005.25	11	1,592.69	11	1,175.97	11	761.27	11	351.04	11		11	11	11		11	11
1/4	2,413.77	1/4	1,996.70	1/4	1,584.00	1/4	1,167.32	1/4	752.75	1/4	342.52	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,405.08	1/2	1,988.15	1/2	1,575.30	1/2	1,158.66	1/2	744.23	1/2	333.99	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,396.39	3/4	1,979.61	3/4	1,566.61	3/4	1,150.01	3/4	735.71	3/4	325.47	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/22/2015 SW
CALCULATED: 04/22/2015 CL
PRINTED: 04/23/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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



BARGE "MMLP 328"

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

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 2"

GAUGE HEIGHT 16'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,332.90	0	4,125.31	0	3,930.46	0	3,732.85	0	3,532.50	0	3,329.41	0	2,987.50
1/4		1/4		1/4		1/4	4,328.36	1/4	4,121.28	1/4	3,926.36	1/4	3,728.70	1/4	3,528.30	1/4	3,325.14	1/4	2,980.03
1/2		1/2		1/2		1/2	4,323.81	1/2	4,117.25	1/2	3,922.27	1/2	3,724.56	1/2	3,524.09	1/2	3,320.88	1/2	2,972.57
3/4		3/4		3/4		3/4	4,319.26	3/4	4,113.21	3/4	3,918.18	3/4	3,720.41	3/4	3,519.89	3/4	3,316.62	3/4	2,965.10
1		1		1		1	4,314.71	1	4,109.18	1	3,914.09	1	3,716.26	1	3,515.68	1	3,312.36	1	2,957.64
1/4		1/4		1/4		1/4	4,310.15	1/4	4,105.14	1/4	3,910.00	1/4	3,712.11	1/4	3,511.47	1/4	3,305.71	1/4	2,950.19
1/2		1/2		1/2		1/2	4,305.60	1/2	4,101.10	1/2	3,905.90	1/2	3,707.96	1/2	3,507.26	1/2	3,299.07	1/2	2,942.75
3/4		3/4		3/4		3/4	4,301.04	3/4	4,097.07	3/4	3,901.81	3/4	3,703.80	3/4	3,503.05	3/4	3,292.43	3/4	2,935.30
2		2		2		2	4,296.49	2	4,093.03	2	3,897.71	2	3,699.65	2	3,498.84	2	3,285.78	2	2,927.86
1/4		1/4		1/4		1/4	4,291.93	1/4	4,088.99	1/4	3,893.61	1/4	3,695.49	1/4	3,494.63	1/4	3,278.34	1/4	2,920.42
1/2		1/2		1/2		1/2	4,287.37	1/2	4,084.94	1/2	3,889.51	1/2	3,691.34	1/2	3,490.41	1/2	3,270.90	1/2	2,912.98
3/4		3/4		3/4		3/4	4,282.81	3/4	4,080.90	3/4	3,885.41	3/4	3,687.18	3/4	3,486.20	3/4	3,263.46	3/4	2,905.55
3		3		3		3	4,278.25	3	4,076.86	3	3,881.31	3	3,683.02	3	3,481.98	3	3,256.02	3	2,898.11
1/4		1/4		1/4		1/4	4,273.69	1/4	4,072.81	1/4	3,877.21	1/4	3,678.86	1/4	3,477.77	1/4	3,248.58	1/4	2,890.46
1/2		1/2		1/2		1/2	4,269.13	1/2	4,068.76	1/2	3,873.10	1/2	3,674.70	1/2	3,473.55	1/2	3,241.13	1/2	2,882.81
3/4		3/4		3/4		3/4	4,264.56	3/4	4,064.71	3/4	3,869.00	3/4	3,670.53	3/4	3,469.33	3/4	3,233.69	3/4	2,875.15
4		4		4		4	4,260.00	4	4,060.67	4	3,864.89	4	3,666.37	4	3,465.11	4	3,226.24	4	2,867.50
1/4		1/4		1/4		1/4	4,255.43	1/4	4,056.61	1/4	3,860.78	1/4	3,662.21	1/4	3,460.88	1/4	3,218.79	1/4	2,859.56
1/2		1/2		1/2		1/2	4,250.86	1/2	4,052.56	1/2	3,856.67	1/2	3,658.04	1/2	3,456.66	1/2	3,211.34	1/2	2,851.62
3/4		3/4		3/4		3/4	4,246.29	3/4	4,048.51	3/4	3,852.56	3/4	3,653.87	3/4	3,452.44	3/4	3,203.89	3/4	2,843.69
5		5		5		5	4,241.73	5	4,044.46	5	3,848.45	5	3,649.71	5	3,448.21	5	3,196.44	5	2,835.75
1/4		1/4		1/4		1/4	4,237.15	1/4	4,040.40	1/4	3,844.34	1/4	3,645.53	1/4	3,443.98	1/4	3,188.99	1/4	2,827.74
1/2		1/2		1/2		1/2	4,232.58	1/2	4,036.34	1/2	3,840.23	1/2	3,641.36	1/2	3,439.75	1/2	3,181.54	1/2	2,819.73
3/4		3/4		3/4		3/4	4,228.01	3/4	4,032.28	3/4	3,836.11	3/4	3,637.19	3/4	3,435.53	3/4	3,174.08	3/4	2,811.72
6		6		6		6	4,223.43	6	4,028.23	6	3,832.00	6	3,633.02	6	3,431.30	6	3,166.63	6	2,803.72
1/4		1/4		1/4		1/4	4,219.07	1/4	4,024.17	1/4	3,827.88	1/4	3,628.84	1/4	3,427.06	1/4	3,159.17	1/4	2,795.71
1/2		1/2		1/2		1/2	4,214.71	1/2	4,020.10	1/2	3,823.76	1/2	3,624.67	1/2	3,422.83	1/2	3,151.71	1/2	2,787.71
3/4		3/4		3/4		3/4	4,210.34	3/4	4,016.04	3/4	3,819.64	3/4	3,620.49	3/4	3,418.60	3/4	3,144.25	3/4	2,779.70
7		7		7		7	4,205.98	7	4,011.98	7	3,815.52	7	3,616.31	7	3,414.36	7	3,136.79	7	2,771.69
1/4		1/4		1/4		1/4	4,201.90	1/4	4,007.91	1/4	3,811.40	1/4	3,612.13	1/4	3,410.12	1/4	3,129.33	1/4	2,763.69
1/2		1/2		1/2		1/2	4,197.82	1/2	4,003.85	1/2	3,807.27	1/2	3,607.95	1/2	3,405.89	1/2	3,121.86	1/2	2,755.68
3/4		3/4		3/4		3/4	4,193.74	3/4	3,999.78	3/4	3,803.15	3/4	3,603.77	3/4	3,401.65	3/4	3,114.40	3/4	2,747.67
8		8		8		8	4,189.66	8	3,995.71	8	3,799.02	8	3,599.59	8	3,397.41	8	3,106.94	8	2,739.67
1/4		1/4		1/4		1/4	4,185.64	1/4	3,991.64	1/4	3,794.90	1/4	3,595.40	1/4	3,393.17	1/4	3,099.47	1/4	2,731.66
1/2		1/2		1/2		1/2	4,181.63	1/2	3,987.57	1/2	3,790.77	1/2	3,591.22	1/2	3,388.92	1/2	3,092.01	1/2	2,723.65
3/4		3/4		3/4		3/4	4,177.61	3/4	3,983.50	3/4	3,786.64	3/4	3,587.03	3/4	3,384.68	3/4	3,084.54	3/4	2,715.65
9		9		9		9	4,173.60	9	3,979.43	9	3,782.51	9	3,582.85	9	3,380.44	9	3,077.08	9	2,707.64
1/4		1/4		1/4		1/4	4,169.58	1/4	3,975.35	1/4	3,778.38	1/4	3,578.66	1/4	3,376.19	1/4	3,069.61	1/4	2,699.64
1/2		1/2		1/2		1/2	4,370.58	1/2	4,165.56	1/2	3,971.28	1/2	3,774.24	1/2	3,574.46	1/2	3,371.94	1/2	3,062.15
3/4		3/4		3/4		3/4	4,368.06	3/4	4,161.54	3/4	3,967.20	3/4	3,770.11	3/4	3,570.27	3/4	3,367.69	3/4	3,054.68
10		10		10		10	4,365.54	10	4,157.52	10	3,963.12	10	3,765.98	10	3,566.08	10	3,363.45	10	3,047.22
1/4		1/4		1/4		1/4	4,361.80	1/4	4,153.50	1/4	3,959.04	1/4	3,761.84	1/4	3,561.89	1/4	3,359.19	1/4	3,039.75
1/2		1/2		1/2		1/2	4,358.06	1/2	4,149.48	1/2	3,954.96	1/2	3,757.70	1/2	3,557.69	1/2	3,354.94	1/2	3,032.29
3/4		3/4		3/4		3/4	4,354.32	3/4	4,145.45	3/4	3,950.88	3/4	3,753.56	3/4	3,553.50	3/4	3,350.69	3/4	3,024.82
11		11		11		11	4,350.58	11	4,141.43	11	3,946.80	11	3,749.42	11	3,549.30	11	3,346.44	11	3,017.36
1/4		1/4		1/4		1/4	4,346.16	1/4	4,137.40	1/4	3,942.71	1/4	3,745.28	1/4	3,545.10	1/4	3,342.18	1/4	3,009.89
1/2		1/2		1/2		1/2	4,341.74	1/2	4,133.37	1/2	3,938.63	1/2	3,741.14	1/2	3,540.90	1/2	3,337.92	1/2	3,002.43
3/4		3/4		3/4		3/4	4,337.32	3/4	4,129.34	3/4	3,934.54	3/4	3,736.99	3/4	3,536.70	3/4	3,333.66	3/4	2,994.96

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 ULLAGE GAUGES TAKEN AT 10" DIAMETER HATCH.
 GAUGE POINT: (10" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 57'-00" FORWARD OF AFT BULKHEAD.

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





BARGE "MMLP 328"

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

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 2"

GAUGE HEIGHT 16'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,611.57	0	2,226.08	0	1,841.02	0	1,458.98	0	1,066.96	0	673.33	0	293.68	0		0		0	
1/4	2,603.56	1/4	2,218.05	1/4	1,833.16	1/4	1,450.94	1/4	1,058.59	1/4	665.46	1/4	285.79	1/4	1/4	1/4		1/4	1/4
1/2	2,595.55	1/2	2,210.01	1/2	1,825.30	1/2	1,442.91	1/2	1,050.23	1/2	657.59	1/2	277.90	1/2	1/2	1/2		1/2	1/2
3/4	2,587.55	3/4	2,201.98	3/4	1,817.44	3/4	1,434.87	3/4	1,041.86	3/4	649.71	3/4	270.01	3/4	3/4	3/4		3/4	3/4
1	2,579.54	1	2,193.95	1	1,809.58	1	1,426.84	1	1,033.49	1	641.84	1	262.12	1	1	1		1	1
1/4	2,571.51	1/4	2,185.91	1/4	1,801.72	1/4	1,418.80	1/4	1,025.12	1/4	633.97	1/4	254.23	1/4	1/4	1/4		1/4	1/4
1/2	2,563.49	1/2	2,177.88	1/2	1,793.85	1/2	1,410.77	1/2	1,016.75	1/2	626.10	1/2	246.35	1/2	1/2	1/2		1/2	1/2
3/4	2,555.46	3/4	2,169.85	3/4	1,785.99	3/4	1,402.73	3/4	1,008.38	3/4	618.22	3/4	238.47	3/4	3/4	3/4		3/4	3/4
2	2,547.43	2	2,161.81	2	1,778.13	2	1,394.69	2	1,000.01	2	610.35	2	230.58	2	2	2		2	2
1/4	2,539.40	1/4	2,153.78	1/4	1,770.27	1/4	1,386.66	1/4	991.64	1/4	602.48	1/4	222.71	1/4	1/4	1/4		1/4	1/4
1/2	2,531.36	1/2	2,145.75	1/2	1,762.41	1/2	1,378.62	1/2	983.27	1/2	594.61	1/2	214.84	1/2	1/2	1/2		1/2	1/2
3/4	2,523.33	3/4	2,137.72	3/4	1,754.55	3/4	1,370.59	3/4	974.90	3/4	586.73	3/4	206.97	3/4	3/4	3/4		3/4	3/4
3	2,515.29	3	2,129.68	3	1,746.69	3	1,362.55	3	966.53	3	578.86	3	199.11	3	3	3		3	3
1/4	2,507.26	1/4	2,121.65	1/4	1,738.83	1/4	1,354.52	1/4	958.17	1/4	570.98	1/4	191.26	1/4	1/4	1/4		1/4	1/4
1/2	2,499.23	1/2	2,113.62	1/2	1,730.97	1/2	1,346.48	1/2	949.80	1/2	563.11	1/2	183.41	1/2	1/2	1/2		1/2	1/2
3/4	2,491.19	3/4	2,105.58	3/4	1,723.10	3/4	1,338.45	3/4	941.43	3/4	555.23	3/4	175.56	3/4	3/4	3/4		3/4	3/4
4	2,483.16	4	2,097.55	4	1,715.24	4	1,330.41	4	933.06	4	547.35	4	167.72	4	4	4		4	4
1/4	2,475.12	1/4	2,089.52	1/4	1,707.38	1/4	1,322.38	1/4	924.69	1/4	539.47	1/4	159.91	1/4	1/4	1/4		1/4	1/4
1/2	2,467.09	1/2	2,081.49	1/2	1,699.52	1/2	1,314.34	1/2	916.32	1/2	531.59	1/2	152.10	1/2	1/2	1/2		1/2	1/2
3/4	2,459.05	3/4	2,073.46	3/4	1,691.66	3/4	1,306.30	3/4	907.96	3/4	523.72	3/4	144.28	3/4	3/4	3/4		3/4	3/4
5	2,451.02	5	2,065.44	5	1,683.80	5	1,298.27	5	899.59	5	515.84	5	136.47	5	5	5		5	5
1/4	2,442.99	1/4	2,057.41	1/4	1,675.81	1/4	1,290.23	1/4	891.22	1/4	507.95	1/4	128.98	1/4	1/4	1/4		1/4	1/4
1/2	2,434.95	1/2	2,049.38	1/2	1,667.82	1/2	1,282.20	1/2	882.86	1/2	500.05	1/2	121.49	1/2	1/2	1/2		1/2	1/2
3/4	2,426.92	3/4	2,041.35	3/4	1,659.82	3/4	1,274.16	3/4	874.49	3/4	492.16	3/4	114.00	3/4	3/4	3/4		3/4	3/4
6	2,418.88	6	2,033.32	6	1,651.83	6	1,266.13	6	866.13	6	484.27	6	106.50	6	6	6		6	6
1/4	2,410.85	1/4	2,025.29	1/4	1,643.80	1/4	1,258.09	1/4	857.77	1/4	476.38	1/4	99.86	1/4	1/4	1/4		1/4	1/4
1/2	2,402.82	1/2	2,017.26	1/2	1,635.76	1/2	1,250.06	1/2	849.40	1/2	468.50	1/2	93.22	1/2	1/2	1/2		1/2	1/2
3/4	2,394.78	3/4	2,009.23	3/4	1,627.72	3/4	1,242.02	3/4	841.04	3/4	460.61	3/4	86.58	3/4	3/4	3/4		3/4	3/4
7	2,386.75	7	2,001.19	7	1,619.69	7	1,233.98	7	832.68	7	452.72	7	79.94	7	7	7		7	7
1/4	2,378.71	1/4	1,993.16	1/4	1,611.65	1/4	1,225.70	1/4	824.56	1/4	444.72	1/4	74.18	1/4	1/4	1/4		1/4	1/4
1/2	2,370.68	1/2	1,985.12	1/2	1,603.62	1/2	1,217.42	1/2	816.44	1/2	436.71	1/2	68.43	1/2	1/2	1/2		1/2	1/2
3/4	2,362.65	3/4	1,977.09	3/4	1,595.58	3/4	1,209.14	3/4	808.32	3/4	428.71	3/4	62.67	3/4	3/4	3/4		3/4	3/4
8	2,354.61	8	1,969.05	8	1,587.55	8	1,200.85	8	800.19	8	420.71	8	56.92	8	8	8		8	8
1/4	2,346.58	1/4	1,961.02	1/4	1,579.51	1/4	1,192.49	1/4	792.16	1/4	412.66	1/4	52.13	1/4	1/4	1/4		1/4	1/4
1/2	2,338.55	1/2	1,952.98	1/2	1,571.48	1/2	1,184.12	1/2	784.12	1/2	404.62	1/2	47.34	1/2	1/2	1/2		1/2	1/2
3/4	2,330.51	3/4	1,944.95	3/4	1,563.44	3/4	1,175.76	3/4	776.08	3/4	396.58	3/4	42.56	3/4	3/4	3/4		3/4	3/4
9	2,322.48	9	1,936.92	9	1,555.40	9	1,167.39	9	768.04	9	388.53	9	37.77	9	9	9		9	9
1/4	2,314.45	1/4	1,928.88	1/4	1,547.37	1/4	1,159.02	1/4	760.12	1/4	380.61	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,306.41	1/2	1,920.85	1/2	1,539.33	1/2	1,150.65	1/2	752.20	1/2	372.68	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,298.38	3/4	1,912.81	3/4	1,531.30	3/4	1,142.28	3/4	744.28	3/4	364.76	3/4		3/4	3/4	3/4		3/4	3/4
10	2,290.35	10	1,904.78	10	1,523.26	10	1,133.91	10	736.35	10	356.83	10		10	10	10		10	10
1/4	2,282.31	1/4	1,896.74	1/4	1,515.23	1/4	1,125.54	1/4	728.47	1/4	348.94	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,274.28	1/2	1,888.71	1/2	1,507.19	1/2	1,117.17	1/2	720.59	1/2	341.05	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,266.25	3/4	1,880.67	3/4	1,499.16	3/4	1,108.80	3/4	712.71	3/4	333.15	3/4		3/4	3/4	3/4		3/4	3/4
11	2,258.21	11	1,872.64	11	1,491.12	11	1,100.43	11	704.83	11	325.26	11		11	11	11		11	11
1/4	2,250.18	1/4	1,864.73	1/4	1,483.09	1/4	1,092.07	1/4	696.95	1/4	317.37	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,242.15	1/2	1,856.83	1/2	1,475.05	1/2	1,083.70	1/2	689.08	1/2	309.47	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,234.11	3/4	1,848.93	3/4	1,467.01	3/4	1,075.33	3/4	681.20	3/4	301.58	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/22/2015 SW
CALCULATED: 04/22/2015 CL
PRINTED: 04/23/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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



BARGE "MMLP 328"

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

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 2"

GAUGE HEIGHT 16'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	4,308.28	0	4,100.67	0	3,905.78	0	3,708.16	0	3,507.78	0	3,304.66	0	2,961.67		
1/4		1/4		1/4		1/4	4,303.73	1/4	4,096.63	1/4	3,901.69	1/4	3,704.01	1/4	3,503.58	1/4	3,300.40	1/4	2,954.18		
1/2		1/2		1/2		1/2	4,299.18	1/2	4,092.60	1/2	3,897.60	1/2	3,699.86	1/2	3,499.37	1/2	3,299.14	1/2	2,946.69		
3/4		3/4		3/4		3/4	4,294.63	3/4	4,088.56	3/4	3,893.51	3/4	3,695.71	3/4	3,495.17	3/4	3,291.87	3/4	2,939.20		
1		1		1		1	4,290.08	1	4,084.53	1	3,889.42	1	3,691.56	1	3,490.96	1	3,287.61	1	2,931.71		
1/4		1/4		1/4		1/4	4,285.53	1/4	4,080.49	1/4	3,885.32	1/4	3,687.41	1/4	3,486.75	1/4	3,280.95	1/4	2,924.22		
1/2		1/2		1/2		1/2	4,280.97	1/2	4,076.45	1/2	3,881.23	1/2	3,683.26	1/2	3,482.54	1/2	3,274.29	1/2	2,916.73		
3/4		3/4		3/4		3/4	4,276.42	3/4	4,072.42	3/4	3,877.13	3/4	3,679.10	3/4	3,478.33	3/4	3,267.62	3/4	2,909.24		
2		2		2		2	4,271.86	2	4,068.38	2	3,873.04	2	3,674.95	2	3,474.12	2	3,260.96	2	2,901.75		
1/4		1/4		1/4		1/4	4,267.31	1/4	4,064.33	1/4	3,868.94	1/4	3,670.79	1/4	3,469.90	1/4	3,253.50	1/4	2,894.26		
1/2		1/2		1/2		1/2	4,262.75	1/2	4,060.29	1/2	3,864.84	1/2	3,666.64	1/2	3,465.69	1/2	3,246.03	1/2	2,886.77		
3/4		3/4		3/4		3/4	4,258.19	3/4	4,056.25	3/4	3,860.74	3/4	3,662.48	3/4	3,461.47	3/4	3,238.57	3/4	2,879.28		
3		3		3		3	4,253.63	3	4,052.20	3	3,856.64	3	3,658.32	3	3,457.26	3	3,231.10	3	2,871.79		
1/4		1/4		1/4		1/4	4,249.06	1/4	4,048.15	1/4	3,852.53	1/4	3,654.16	1/4	3,453.04	1/4	3,223.63	1/4	2,864.09		
1/2		1/2		1/2		1/2	4,244.50	1/2	4,044.11	1/2	3,848.42	1/2	3,650.00	1/2	3,448.82	1/2	3,216.16	1/2	2,856.38		
3/4		3/4		3/4		3/4	4,239.93	3/4	4,040.06	3/4	3,844.32	3/4	3,645.83	3/4	3,444.60	3/4	3,208.69	3/4	2,848.68		
4		4		4		4	4,235.37	4	4,036.01	4	3,840.21	4	3,641.67	4	3,440.38	4	3,201.22	4	2,840.97		
1/4		1/4		1/4		1/4	4,230.80	1/4	4,031.96	1/4	3,836.10	1/4	3,637.50	1/4	3,436.16	1/4	3,193.75	1/4	2,832.98		
1/2		1/2		1/2		1/2	4,226.23	1/2	4,027.90	1/2	3,831.99	1/2	3,633.34	1/2	3,431.93	1/2	3,186.27	1/2	2,824.99		
3/4		3/4		3/4		3/4	4,221.66	3/4	4,023.85	3/4	3,827.88	3/4	3,629.17	3/4	3,427.71	3/4	3,178.80	3/4	2,816.99		
5		5		5		5	4,217.09	5	4,019.80	5	3,823.77	5	3,625.00	5	3,423.48	5	3,171.32	5	2,809.00		
1/4		1/4		1/4		1/4	4,212.52	1/4	4,015.74	1/4	3,819.66	1/4	3,620.83	1/4	3,419.25	1/4	3,163.84	1/4	2,800.94		
1/2		1/2		1/2		1/2	4,207.94	1/2	4,011.68	1/2	3,815.54	1/2	3,616.66	1/2	3,415.02	1/2	3,156.36	1/2	2,792.87		
3/4		3/4		3/4		3/4	4,203.37	3/4	4,007.63	3/4	3,811.43	3/4	3,612.49	3/4	3,410.79	3/4	3,148.88	3/4	2,784.81		
6		6		6		6	4,198.80	6	4,003.57	6	3,807.31	6	3,608.31	6	3,406.57	6	3,141.41	6	2,776.75		
1/4		1/4		1/4		1/4	4,194.43	1/4	3,999.51	1/4	3,803.19	1/4	3,604.14	1/4	3,402.33	1/4	3,133.92	1/4	2,768.68		
1/2		1/2		1/2		1/2	4,190.07	1/2	3,995.44	1/2	3,799.07	1/2	3,599.96	1/2	3,398.10	1/2	3,126.44	1/2	2,760.62		
3/4		3/4		3/4		3/4	4,185.71	3/4	3,991.38	3/4	3,794.96	3/4	3,595.78	3/4	3,393.86	3/4	3,118.95	3/4	2,752.56		
7		7		7		7	4,181.34	7	3,987.32	7	3,790.84	7	3,591.61	7	3,389.63	7	3,111.47	7	2,744.49		
1/4		1/4		1/4		1/4	4,177.26	1/4	3,983.25	1/4	3,786.71	1/4	3,587.42	1/4	3,385.39	1/4	3,103.98	1/4	2,736.43		
1/2		1/2		1/2		1/2	4,173.18	1/2	3,979.18	1/2	3,782.59	1/2	3,583.24	1/2	3,381.15	1/2	3,096.49	1/2	2,728.37		
3/4		3/4		3/4		3/4	4,169.10	3/4	3,975.12	3/4	3,778.46	3/4	3,579.06	3/4	3,376.91	3/4	3,089.00	3/4	2,720.30		
8		8		8		8	4,165.02	8	3,971.05	8	3,774.34	8	3,574.88	8	3,372.67	8	3,081.52	8	2,712.24		
1/4		1/4		1/4		1/4	4,161.00	1/4	3,966.98	1/4	3,770.21	1/4	3,570.69	1/4	3,368.43	1/4	3,074.03	1/4	2,704.18		
1/2		1/2		1/2		1/2	4,156.99	1/2	3,962.91	1/2	3,766.08	1/2	3,566.51	1/2	3,364.19	1/2	3,066.54	1/2	2,696.11		
3/4		3/4		3/4		3/4	4,152.97	3/4	3,958.83	3/4	3,761.95	3/4	3,562.32	3/4	3,359.94	3/4	3,059.05	3/4	2,688.05		
9		9		9		9	4,148.96	9	3,954.76	9	3,757.82	9	3,558.13	9	3,355.70	9	3,051.56	9	2,679.98		
1/4		1/4		1/4		1/4	4,144.94	1/4	3,950.69	1/4	3,753.69	1/4	3,553.94	1/4	3,351.45	1/4	3,044.07	1/4	2,671.92		
1/2		1/2		1/2		1/2	4,345.96	1/2	4,140.92	1/2	3,946.61	1/2	3,749.55	1/2	3,549.75	1/2	3,347.20	1/2	3,036.58	1/2	2,663.86
3/4		3/4		3/4		3/4	4,343.44	3/4	4,136.90	3/4	3,942.53	3/4	3,745.42	3/4	3,545.56	3/4	3,342.95	3/4	3,029.09	3/4	2,655.79
10		10		10		10	4,340.92	10	4,132.88	10	3,938.46	10	3,741.29	10	3,541.37	10	3,338.71	10	3,021.60	10	2,647.73
1/4		1/4		1/4		1/4	4,337.18	1/4	4,128.85	1/4	3,934.37	1/4	3,737.15	1/4	3,537.17	1/4	3,334.45	1/4	3,014.11	1/4	2,639.67
1/2		1/2		1/2		1/2	4,333.44	1/2	4,124.83	1/2	3,930.29	1/2	3,733.01	1/2	3,532.98	1/2	3,330.20	1/2	3,006.62	1/2	2,631.60
3/4		3/4		3/4		3/4	4,329.70	3/4	4,120.81	3/4	3,926.21	3/4	3,728.87	3/4	3,528.78	3/4	3,325.95	3/4	2,999.13	3/4	2,623.54
11		11		11		11	4,325.96	11	4,116.78	11	3,922.13	11	3,724.73	11	3,524.59	11	3,321.69	11	2,991.64	11	2,615.48
1/4		1/4		1/4		1/4	4,321.54	1/4	4,112.75	1/4	3,918.04	1/4	3,720.59	1/4	3,520.38	1/4	3,317.44	1/4	2,984.14	1/4	2,607.41
1/2		1/2		1/2		1/2	4,317.12	1/2	4,108.72	1/2	3,913.96	1/2	3,716.44	1/2	3,516.18	1/2	3,313.18	1/2	2,976.65	1/2	2,599.35
3/4		3/4		3/4		3/4	4,312.70	3/4	4,104.69	3/4	3,909.87	3/4	3,712.30	3/4	3,511.98	3/4	3,308.92	3/4	2,969.16	3/4	2,591.28

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 ULLAGE GAUGES TAKEN AT 10" DIAMETER HATCH.
 GAUGE POINT: (10" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 57'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "MMLP 328"

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

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BAT 2"

GAUGE HEIGHT 16'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,583.22	0	2,196.19	0	1,809.83	0	1,427.18	0	1,047.52	0	673.80	0	293.74	0		0		0	
1/4	2,575.16	1/4	2,188.12	1/4	1,801.97	1/4	1,419.12	1/4	1,039.85	1/4	665.91	1/4	285.85	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,567.09	1/2	2,180.06	1/2	1,794.12	1/2	1,411.05	1/2	1,032.18	1/2	658.02	1/2	277.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,559.03	3/4	2,172.00	3/4	1,786.27	3/4	1,402.99	3/4	1,024.51	3/4	650.13	3/4	270.06	3/4	3/4	3/4	3/4	3/4	3/4
1	2,550.97	1	2,163.94	1	1,778.41	1	1,394.93	1	1,016.84	1	642.24	1	262.17	1	1	1	1	1	1
1/4	2,542.90	1/4	2,155.87	1/4	1,770.56	1/4	1,386.86	1/4	1,009.17	1/4	634.35	1/4	254.28	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,534.84	1/2	2,147.81	1/2	1,762.71	1/2	1,378.80	1/2	1,001.50	1/2	626.46	1/2	246.40	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,526.78	3/4	2,139.75	3/4	1,754.86	3/4	1,370.74	3/4	993.83	3/4	618.57	3/4	238.51	3/4	3/4	3/4	3/4	3/4	3/4
2	2,518.71	2	2,131.68	2	1,747.00	2	1,362.67	2	986.16	2	610.68	2	230.63	2	2	2	2	2	2
1/4	2,510.65	1/4	2,123.62	1/4	1,739.15	1/4	1,354.61	1/4	978.49	1/4	602.80	1/4	222.75	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,502.59	1/2	2,115.56	1/2	1,731.30	1/2	1,346.54	1/2	970.82	1/2	594.91	1/2	214.88	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,494.52	3/4	2,107.50	3/4	1,723.44	3/4	1,338.48	3/4	963.14	3/4	587.02	3/4	207.01	3/4	3/4	3/4	3/4	3/4	3/4
3	2,486.46	3	2,099.43	3	1,715.59	3	1,330.42	3	955.47	3	579.13	3	199.14	3	3	3	3	3	3
1/4	2,478.39	1/4	2,091.37	1/4	1,707.74	1/4	1,322.35	1/4	947.80	1/4	571.23	1/4	191.29	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,470.33	1/2	2,083.31	1/2	1,699.88	1/2	1,314.29	1/2	940.13	1/2	563.34	1/2	183.44	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,462.27	3/4	2,075.25	3/4	1,692.03	3/4	1,306.22	3/4	932.46	3/4	555.44	3/4	175.59	3/4	3/4	3/4	3/4	3/4	3/4
4	2,454.20	4	2,067.18	4	1,684.18	4	1,298.16	4	924.79	4	547.55	4	167.74	4	4	4	4	4	4
1/4	2,446.14	1/4	2,059.13	1/4	1,676.33	1/4	1,290.10	1/4	917.12	1/4	539.65	1/4	159.93	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,438.08	1/2	2,051.07	1/2	1,668.47	1/2	1,282.03	1/2	909.45	1/2	531.75	1/2	152.12	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,430.01	3/4	2,043.01	3/4	1,660.62	3/4	1,273.97	3/4	901.78	3/4	523.86	3/4	144.31	3/4	3/4	3/4	3/4	3/4	3/4
5	2,421.95	5	2,034.95	5	1,652.77	5	1,265.90	5	894.11	5	515.96	5	136.50	5	5	5	5	5	5
1/4	2,413.89	1/4	2,026.89	1/4	1,644.75	1/4	1,257.84	1/4	886.45	1/4	508.06	1/4	129.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,405.82	1/2	2,018.84	1/2	1,636.74	1/2	1,249.78	1/2	878.78	1/2	500.16	1/2	121.51	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,397.76	3/4	2,010.78	3/4	1,628.73	3/4	1,241.71	3/4	871.12	3/4	492.27	3/4	114.01	3/4	3/4	3/4	3/4	3/4	3/4
6	2,389.69	6	2,002.72	6	1,620.72	6	1,233.65	6	863.45	6	484.37	6	106.52	6	6	6	6	6	6
1/4	2,381.63	1/4	1,994.66	1/4	1,612.65	1/4	1,225.59	1/4	855.78	1/4	476.48	1/4	99.88	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,373.57	1/2	1,986.60	1/2	1,604.59	1/2	1,217.52	1/2	848.12	1/2	468.59	1/2	93.23	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,365.50	3/4	1,978.54	3/4	1,596.52	3/4	1,209.46	3/4	840.45	3/4	460.70	3/4	86.59	3/4	3/4	3/4	3/4	3/4	3/4
7	2,357.44	7	1,970.47	7	1,588.46	7	1,201.39	7	832.79	7	452.81	7	79.94	7	7	7	7	7	7
1/4	2,349.38	1/4	1,962.41	1/4	1,580.40	1/4	1,193.62	1/4	824.83	1/4	444.81	1/4	74.19	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,341.31	1/2	1,954.35	1/2	1,572.33	1/2	1,185.85	1/2	816.87	1/2	436.80	1/2	68.43	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,333.25	3/4	1,946.28	3/4	1,564.27	3/4	1,178.08	3/4	808.91	3/4	428.80	3/4	62.68	3/4	3/4	3/4	3/4	3/4	3/4
8	2,325.19	8	1,938.22	8	1,556.21	8	1,170.30	8	800.95	8	420.79	8	56.92	8	8	8	8	8	8
1/4	2,317.13	1/4	1,930.15	1/4	1,548.14	1/4	1,162.63	1/4	792.90	1/4	412.75	1/4	52.13	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,309.06	1/2	1,922.09	1/2	1,540.08	1/2	1,154.95	1/2	784.84	1/2	404.70	1/2	47.35	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,301.00	3/4	1,914.03	3/4	1,532.01	3/4	1,147.28	3/4	776.78	3/4	396.66	3/4	42.56	3/4	3/4	3/4	3/4	3/4	3/4
9	2,292.94	9	1,905.96	9	1,523.95	9	1,139.60	9	768.73	9	388.61	9	37.77	9	9	9	9	9	9
1/4	2,284.88	1/4	1,897.90	1/4	1,515.89	1/4	1,131.93	1/4	760.79	1/4	380.68	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,276.81	1/2	1,889.83	1/2	1,507.82	1/2	1,124.25	1/2	752.85	1/2	372.76	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,268.75	3/4	1,881.77	3/4	1,499.76	3/4	1,116.58	3/4	744.91	3/4	364.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,260.69	10	1,873.71	10	1,491.69	10	1,108.90	10	736.97	10	356.90	10		10	10	10	10	10	10
1/4	2,252.63	1/4	1,865.64	1/4	1,483.63	1/4	1,101.23	1/4	729.07	1/4	349.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,244.56	1/2	1,857.58	1/2	1,475.57	1/2	1,093.55	1/2	721.17	1/2	341.11	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,236.50	3/4	1,849.51	3/4	1,467.50	3/4	1,085.88	3/4	713.27	3/4	333.22	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,228.44	11	1,841.45	11	1,459.44	11	1,078.20	11	705.37	11	325.33	11		11	11	11	11	11	11
1/4	2,220.37	1/4	1,833.54	1/4	1,451.37	1/4	1,070.53	1/4	697.48	1/4	317.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,212.31	1/2	1,825.64	1/2	1,443.31	1/2	1,062.86	1/2	689.59	1/2	309.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,204.25	3/4	1,817.73	3/4	1,435.25	3/4	1,055.19	3/4	681.70	3/4	301.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/22/2015 SW
CALCULATED: 04/22/2015 CL
PRINTED: 04/23/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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