



BARGE "MMLP 325"

"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.

1 PORT INNAGE TABLE

THIS SIDE FOR INNAGE FOR ULLAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	27.41	0	417.58	0	818.41	0	1,218.10	0	1,616.88	0	2,017.72	0	2,418.56	0	2,819.40	0	3,220.24	0	3,621.08
1/4	33.68	1/4	425.93	1/4	826.76	1/4	1,226.39	1/4	1,625.23	1/4	2,026.07	1/4	2,426.91	1/4	2,827.75	1/4	3,228.59	1/4	3,629.43
1/2	39.94	1/2	434.28	1/2	835.11	1/2	1,234.68	1/2	1,633.58	1/2	2,034.42	1/2	2,435.26	1/2	2,836.10	1/2	3,236.94	1/2	3,637.78
3/4	46.20	3/4	442.63	3/4	843.46	3/4	1,242.97	3/4	1,641.94	3/4	2,042.77	3/4	2,443.61	3/4	2,844.45	3/4	3,245.29	3/4	3,646.13
1	52.46	1	450.98	1	851.81	1	1,251.26	1	1,650.29	1	2,051.12	1	2,451.96	1	2,852.80	1	3,253.64	1	3,654.48
1/4	60.27	1/4	459.33	1/4	860.16	1/4	1,259.54	1/4	1,658.64	1/4	2,059.48	1/4	2,460.31	1/4	2,861.15	1/4	3,261.99	1/4	3,662.83
1/2	68.08	1/2	467.68	1/2	868.51	1/2	1,267.82	1/2	1,666.99	1/2	2,067.83	1/2	2,468.66	1/2	2,869.50	1/2	3,270.34	1/2	3,671.18
3/4	75.88	3/4	476.03	3/4	876.86	3/4	1,276.10	3/4	1,675.34	3/4	2,076.18	3/4	2,477.02	3/4	2,877.85	3/4	3,278.69	3/4	3,679.53
2	83.69	2	484.39	2	885.21	2	1,284.38	2	1,683.69	2	2,084.53	2	2,485.37	2	2,886.20	2	3,287.04	2	3,687.88
1/4	92.02	1/4	492.74	1/4	893.56	1/4	1,292.66	1/4	1,692.04	1/4	2,092.88	1/4	2,493.72	1/4	2,894.56	1/4	3,295.39	1/4	3,696.23
1/2	100.34	1/2	501.09	1/2	901.92	1/2	1,300.94	1/2	1,700.39	1/2	2,101.23	1/2	2,502.07	1/2	2,902.91	1/2	3,303.74	1/2	3,704.58
3/4	108.66	3/4	509.44	3/4	910.27	3/4	1,309.22	3/4	1,708.74	3/4	2,109.58	3/4	2,510.42	3/4	2,911.26	3/4	3,312.10	3/4	3,712.93
3	116.99	3	517.79	3	918.62	3	1,317.49	3	1,717.09	3	2,117.93	3	2,518.77	3	2,919.61	3	3,320.45	3	3,721.28
1/4	125.33	1/4	526.14	1/4	926.97	1/4	1,325.77	1/4	1,725.44	1/4	2,126.28	1/4	2,527.12	1/4	2,927.96	1/4	3,328.80	1/4	3,729.64
1/2	133.68	1/2	534.49	1/2	935.32	1/2	1,334.05	1/2	1,733.79	1/2	2,134.63	1/2	2,535.47	1/2	2,936.31	1/2	3,337.15	1/2	3,737.99
3/4	142.02	3/4	542.84	3/4	943.67	3/4	1,342.33	3/4	1,742.15	3/4	2,142.98	3/4	2,543.82	3/4	2,944.66	3/4	3,345.50	3/4	3,746.34
4	150.36	4	551.19	4	952.02	4	1,350.61	4	1,750.50	4	2,151.33	4	2,552.17	4	2,953.01	4	3,353.85	4	3,754.69
1/4	158.71	1/4	559.54	1/4	960.36	1/4	1,358.89	1/4	1,758.85	1/4	2,159.69	1/4	2,560.52	1/4	2,961.36	1/4	3,362.20	1/4	3,763.04
1/2	167.06	1/2	567.89	1/2	968.70	1/2	1,367.18	1/2	1,767.20	1/2	2,168.04	1/2	2,568.87	1/2	2,969.71	1/2	3,370.55	1/2	3,771.39
3/4	175.41	3/4	576.24	3/4	977.04	3/4	1,375.47	3/4	1,775.55	3/4	2,176.39	3/4	2,577.23	3/4	2,978.06	3/4	3,378.90	3/4	3,779.74
5	183.76	5	584.59	5	985.38	5	1,383.76	5	1,783.90	5	2,184.74	5	2,585.58	5	2,986.41	5	3,387.25	5	3,788.09
1/4	192.11	1/4	592.94	1/4	993.70	1/4	1,392.06	1/4	1,792.25	1/4	2,193.09	1/4	2,593.93	1/4	2,994.77	1/4	3,395.60	1/4	3,796.44
1/2	200.47	1/2	601.29	1/2	1,002.02	1/2	1,400.37	1/2	1,800.60	1/2	2,201.44	1/2	2,602.28	1/2	3,003.12	1/2	3,403.95	1/2	3,804.79
3/4	208.82	3/4	609.64	3/4	1,010.34	3/4	1,408.68	3/4	1,808.95	3/4	2,209.79	3/4	2,610.63	3/4	3,011.47	3/4	3,412.31	3/4	3,813.14
6	217.17	6	617.99	6	1,018.66	6	1,416.99	6	1,817.30	6	2,218.14	6	2,618.98	6	3,019.82	6	3,420.66	6	3,821.49
1/4	225.52	1/4	626.35	1/4	1,026.97	1/4	1,425.30	1/4	1,825.65	1/4	2,226.49	1/4	2,627.33	1/4	3,028.17	1/4	3,429.01	1/4	3,829.85
1/2	233.87	1/2	634.70	1/2	1,035.28	1/2	1,433.62	1/2	1,834.00	1/2	2,234.84	1/2	2,635.68	1/2	3,036.52	1/2	3,437.36	1/2	3,838.20
3/4	242.22	3/4	643.05	3/4	1,043.59	3/4	1,441.94	3/4	1,842.35	3/4	2,243.19	3/4	2,644.03	3/4	3,044.87	3/4	3,445.71	3/4	3,846.55
7	250.57	7	651.40	7	1,051.91	7	1,450.26	7	1,850.71	7	2,251.54	7	2,652.38	7	3,053.22	7	3,454.06	7	3,854.90
1/4	258.92	1/4	659.75	1/4	1,060.22	1/4	1,458.57	1/4	1,859.06	1/4	2,259.89	1/4	2,660.73	1/4	3,061.57	1/4	3,462.41	1/4	3,863.25
1/2	267.27	1/2	668.10	1/2	1,068.53	1/2	1,466.89	1/2	1,867.41	1/2	2,268.25	1/2	2,669.08	1/2	3,069.92	1/2	3,470.76	1/2	3,871.60
3/4	275.62	3/4	676.45	3/4	1,076.84	3/4	1,475.21	3/4	1,875.76	3/4	2,276.60	3/4	2,677.43	3/4	3,078.27	3/4	3,479.11	3/4	3,879.95
8	283.97	8	684.80	8	1,085.15	8	1,483.53	8	1,884.11	8	2,284.95	8	2,685.79	8	3,086.62	8	3,487.46	8	3,888.30
1/4	292.32	1/4	693.15	1/4	1,093.46	1/4	1,491.84	1/4	1,892.46	1/4	2,293.30	1/4	2,694.14	1/4	3,094.97	1/4	3,495.81	1/4	3,896.65
1/2	300.67	1/2	701.50	1/2	1,101.77	1/2	1,500.16	1/2	1,900.81	1/2	2,301.65	1/2	2,702.49	1/2	3,103.33	1/2	3,504.16	1/2	3,905.00
3/4	309.02	3/4	709.85	3/4	1,110.08	3/4	1,508.48	3/4	1,909.16	3/4	2,310.00	3/4	2,710.84	3/4	3,111.68	3/4	3,512.51	3/4	3,913.35
9	317.37	9	718.20	9	1,118.39	9	1,516.80	9	1,917.51	9	2,318.35	9	2,719.19	9	3,120.03	9	3,520.87	9	3,921.70
1/4	325.72	1/4	726.55	1/4	1,126.71	1/4	1,525.12	1/4	1,925.86	1/4	2,326.70	1/4	2,727.54	1/4	3,128.38	1/4	3,529.22	1/4	3,930.05
1/2	334.07	1/2	734.90	1/2	1,135.02	1/2	1,533.45	1/2	1,934.21	1/2	2,335.05	1/2	2,735.89	1/2	3,136.73	1/2	3,537.57	1/2	3,938.41
3/4	342.43	3/4	743.25	3/4	1,143.33	3/4	1,541.78	3/4	1,942.56	3/4	2,343.40	3/4	2,744.24	3/4	3,145.08	3/4	3,545.92	3/4	3,946.76
10	350.78	10	751.60	10	1,151.64	10	1,550.11	10	1,950.92	10	2,351.75	10	2,752.59	10	3,153.43	10	3,554.27	10	3,955.11
1/4	359.13	1/4	759.96	1/4	1,159.95	1/4	1,558.45	1/4	1,959.27	1/4	2,360.10	1/4	2,760.94	1/4	3,161.78	1/4	3,562.62	1/4	3,963.45
1/2	367.48	1/2	768.31	1/2	1,168.26	1/2	1,566.79	1/2	1,967.62	1/2	2,368.46	1/2	2,769.29	1/2	3,170.13	1/2	3,570.97	1/2	3,971.80
3/4	375.83	3/4	776.66	3/4	1,176.57	3/4	1,575.14	3/4	1,975.97	3/4	2,376.81	3/4	2,777.64	3/4	3,178.48	3/4	3,579.32	3/4	3,980.15
11	384.18	11	785.01	11	1,184.88	11	1,583.48	11	1,984.32	11	2,385.16	11	2,786.00	11	3,186.83	11	3,587.67	11	3,988.49
1/4	392.53	1/4	793.36	1/4	1,193.19	1/4	1,591.83	1/4	1,992.67	1/4	2,393.51	1/4	2,794.35	1/4	3,195.18	1/4	3,596.02	1/4	3,996.84
1/2	400.88	1/2	801.71	1/2	1,201.49	1/2	1,600.18	1/2	2,001.02	1/2	2,401.86	1/2	2,802.70	1/2	3,203.54	1/2	3,604.37	1/2	4,005.19
3/4	409.23	3/4	810.06	3/4	1,209.80	3/4	1,608.53	3/4	2,009.37	3/4	2,410.21	3/4	2,811.05	3/4	3,211.89	3/4	3,612.72	3/4	4,013.53

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN WITH "HERMETIC" GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 49'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "MMLP 325"

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1 PORT INNAGE TABLE

THIS SIDE FOR INNAGE FOR ULLAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	4,021.88	0	4,422.49	0	4,823.10	0	5,221.78	0	5,619.96	0		0		0		0		0	
1/4	4,030.22	1/4	4,430.84	1/4	4,831.45	1/4	5,230.08	1/4	5,627.91	1/4		1/4		1/4		1/4		1/4	
1/2	4,038.57	1/2	4,439.18	1/2	4,839.80	1/2	5,238.37	1/2	5,635.85	1/2		1/2		1/2		1/2		1/2	
3/4	4,046.92	3/4	4,447.53	3/4	4,848.14	3/4	5,246.67	3/4	5,643.80	3/4		3/4		3/4		3/4		3/4	
1	4,055.26	1	4,455.88	1	4,856.49	1	5,254.96	1	5,651.75	1		1		1		1		1	
1/4	4,063.61	1/4	4,464.22	1/4	4,864.83	1/4	5,263.26	1/4	5,658.65	1/4		1/4		1/4		1/4		1/4	
1/2	4,071.95	1/2	4,472.57	1/2	4,873.18	1/2	5,271.56	1/2	5,665.55	1/2		1/2		1/2		1/2		1/2	
3/4	4,080.30	3/4	4,480.91	3/4	4,881.53	3/4	5,279.85	3/4	5,672.46	3/4		3/4		3/4		3/4		3/4	
2	4,088.65	2	4,489.26	2	4,889.87	2	5,288.15	2	5,679.36	2		2		2		2		2	
1/4	4,096.99	1/4	4,497.61	1/4	4,898.19	1/4	5,296.44	1/4	5,684.87	1/4		1/4		1/4		1/4		1/4	
1/2	4,105.34	1/2	4,505.95	1/2	4,906.51	1/2	5,304.74	1/2	5,690.38	1/2		1/2		1/2		1/2		1/2	
3/4	4,113.69	3/4	4,514.30	3/4	4,914.83	3/4	5,313.03	3/4	5,695.90	3/4		3/4		3/4		3/4		3/4	
3	4,122.03	3	4,522.64	3	4,923.15	3	5,321.33	3		3		3		3		3		3	
1/4	4,130.38	1/4	4,530.99	1/4	4,931.45	1/4	5,329.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,138.72	1/2	4,539.34	1/2	4,939.74	1/2	5,337.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,147.07	3/4	4,547.68	3/4	4,948.04	3/4	5,346.21	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,155.42	4	4,556.03	4	4,956.33	4	5,354.51	4		4		4		4		4		4	
1/4	4,163.76	1/4	4,564.37	1/4	4,964.63	1/4	5,362.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,172.11	1/2	4,572.72	1/2	4,972.92	1/2	5,371.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,180.45	3/4	4,581.07	3/4	4,981.22	3/4	5,379.39	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,188.80	5	4,589.41	5	4,989.52	5	5,387.69	5		5		5		5		5		5	
1/4	4,197.15	1/4	4,597.76	1/4	4,997.81	1/4	5,395.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,205.49	1/2	4,606.11	1/2	5,006.11	1/2	5,404.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,213.84	3/4	4,614.45	3/4	5,014.40	3/4	5,412.58	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,222.18	6	4,622.80	6	5,022.70	6	5,420.87	6		6		6		6		6		6	
1/4	4,230.53	1/4	4,631.14	1/4	5,030.99	1/4	5,429.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,238.88	1/2	4,639.49	1/2	5,039.29	1/2	5,437.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,247.22	3/4	4,647.84	3/4	5,047.58	3/4	5,445.76	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,255.57	7	4,656.18	7	5,055.88	7	5,454.05	7		7		7		7		7		7	
1/4	4,263.92	1/4	4,664.53	1/4	5,064.17	1/4	5,462.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,272.26	1/2	4,672.87	1/2	5,072.47	1/2	5,470.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,280.61	3/4	4,681.22	3/4	5,080.76	3/4	5,478.94	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,288.95	8	4,689.57	8	5,089.06	8	5,487.23	8		8		8		8		8		8	
1/4	4,297.30	1/4	4,697.91	1/4	5,097.35	1/4	5,495.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,305.65	1/2	4,706.26	1/2	5,105.65	1/2	5,503.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,313.99	3/4	4,714.60	3/4	5,113.94	3/4	5,512.12	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,322.34	9	4,722.95	9	5,122.24	9	5,520.41	9		9		9		9		9		9	
1/4	4,330.68	1/4	4,731.30	1/4	5,130.54	1/4	5,528.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,339.03	1/2	4,739.64	1/2	5,138.83	1/2	5,537.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,347.38	3/4	4,747.99	3/4	5,147.13	3/4	5,545.30	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,355.72	10	4,756.34	10	5,155.42	10	5,553.60	10		10		10		10		10		10	
1/4	4,364.07	1/4	4,764.68	1/4	5,163.72	1/4	5,561.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,372.41	1/2	4,773.03	1/2	5,172.01	1/2	5,570.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,380.76	3/4	4,781.37	3/4	5,180.31	3/4	5,578.48	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,389.11	11	4,789.72	11	5,188.60	11	5,586.78	11		11		11		11		11		11	
1/4	4,397.45	1/4	4,798.07	1/4	5,196.90	1/4	5,595.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,405.80	1/2	4,806.41	1/2	5,205.19	1/2	5,603.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,414.14	3/4	4,814.76	3/4	5,213.49	3/4	5,611.66	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/11/2010 CL - SW
CALCULATED: 11/11/2010 CL
PRINTED: 11/11/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MMLP 325"

"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.

1 STBD
INNAGE TABLE

THIS SIDE FOR INNAGE FOR ULLAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	27.41	0	417.49	0	818.23	0	1,218.94	0	1,618.42	0	2,019.17	0	2,419.92	0	2,820.67	0	3,221.41	0	3,622.16
1/4	33.67	1/4	425.84	1/4	826.57	1/4	1,227.27	1/4	1,626.77	1/4	2,027.52	1/4	2,428.27	1/4	2,829.01	1/4	3,229.76	1/4	3,630.51
1/2	39.93	1/2	434.19	1/2	834.92	1/2	1,235.59	1/2	1,635.12	1/2	2,035.87	1/2	2,436.62	1/2	2,837.36	1/2	3,238.11	1/2	3,638.86
3/4	46.19	3/4	442.53	3/4	843.27	3/4	1,243.92	3/4	1,643.47	3/4	2,044.22	3/4	2,444.97	3/4	2,845.71	3/4	3,246.46	3/4	3,647.21
1	52.45	1	450.88	1	851.62	1	1,252.25	1	1,651.82	1	2,052.57	1	2,453.31	1	2,854.06	1	3,254.81	1	3,655.56
1/4	60.26	1/4	459.23	1/4	859.97	1/4	1,260.57	1/4	1,660.17	1/4	2,060.92	1/4	2,461.66	1/4	2,862.41	1/4	3,263.16	1/4	3,663.90
1/2	68.06	1/2	467.58	1/2	868.32	1/2	1,268.88	1/2	1,668.52	1/2	2,069.26	1/2	2,470.01	1/2	2,870.76	1/2	3,271.51	1/2	3,672.25
3/4	75.87	3/4	475.93	3/4	876.67	3/4	1,277.20	3/4	1,676.87	3/4	2,077.61	3/4	2,478.36	3/4	2,879.11	3/4	3,279.86	3/4	3,680.60
2	83.67	2	484.28	2	885.02	2	1,285.52	2	1,685.22	2	2,085.96	2	2,486.71	2	2,887.46	2	3,288.20	2	3,688.95
1/4	92.00	1/4	492.63	1/4	893.36	1/4	1,293.84	1/4	1,693.56	1/4	2,094.31	1/4	2,495.06	1/4	2,895.81	1/4	3,296.55	1/4	3,697.30
1/2	100.32	1/2	500.97	1/2	901.71	1/2	1,302.15	1/2	1,701.91	1/2	2,102.66	1/2	2,503.41	1/2	2,904.15	1/2	3,304.90	1/2	3,705.65
3/4	108.64	3/4	509.32	3/4	910.06	3/4	1,310.47	3/4	1,710.26	3/4	2,111.01	3/4	2,511.76	3/4	2,912.50	3/4	3,313.25	3/4	3,714.00
3	116.96	3	517.67	3	918.41	3	1,318.78	3	1,718.61	3	2,119.36	3	2,520.11	3	2,920.85	3	3,321.60	3	3,722.35
1/4	125.31	1/4	526.02	1/4	926.76	1/4	1,327.10	1/4	1,726.96	1/4	2,127.71	1/4	2,528.45	1/4	2,929.20	1/4	3,329.95	1/4	3,730.70
1/2	133.65	1/2	534.37	1/2	935.11	1/2	1,335.42	1/2	1,735.31	1/2	2,136.06	1/2	2,536.80	1/2	2,937.55	1/2	3,338.30	1/2	3,739.04
3/4	141.99	3/4	542.72	3/4	943.46	3/4	1,343.73	3/4	1,743.66	3/4	2,144.40	3/4	2,545.15	3/4	2,945.90	3/4	3,346.65	3/4	3,747.39
4	150.33	4	551.07	4	951.80	4	1,352.05	4	1,752.01	4	2,152.75	4	2,553.50	4	2,954.25	4	3,355.00	4	3,755.74
1/4	158.68	1/4	559.42	1/4	960.15	1/4	1,360.36	1/4	1,760.36	1/4	2,161.10	1/4	2,561.85	1/4	2,962.60	1/4	3,363.34	1/4	3,764.09
1/2	167.03	1/2	567.76	1/2	968.50	1/2	1,368.68	1/2	1,768.70	1/2	2,169.45	1/2	2,570.20	1/2	2,970.95	1/2	3,371.69	1/2	3,772.44
3/4	175.38	3/4	576.11	3/4	976.85	3/4	1,376.99	3/4	1,777.05	3/4	2,177.80	3/4	2,578.55	3/4	2,979.29	3/4	3,380.04	3/4	3,780.79
5	183.72	5	584.46	5	985.20	5	1,385.31	5	1,785.40	5	2,186.15	5	2,586.90	5	2,987.64	5	3,388.39	5	3,789.14
1/4	192.07	1/4	592.81	1/4	993.55	1/4	1,393.63	1/4	1,793.75	1/4	2,194.50	1/4	2,595.25	1/4	2,995.99	1/4	3,396.74	1/4	3,797.49
1/2	200.42	1/2	601.16	1/2	1,001.90	1/2	1,401.94	1/2	1,802.10	1/2	2,202.85	1/2	2,603.59	1/2	3,004.34	1/2	3,405.09	1/2	3,805.84
3/4	208.77	3/4	609.51	3/4	1,010.25	3/4	1,410.26	3/4	1,810.45	3/4	2,211.20	3/4	2,611.94	3/4	3,012.69	3/4	3,413.44	3/4	3,814.18
6	217.12	6	617.86	6	1,018.59	6	1,418.57	6	1,818.80	6	2,219.54	6	2,620.29	6	3,021.04	6	3,421.79	6	3,822.53
1/4	225.47	1/4	626.21	1/4	1,026.94	1/4	1,426.89	1/4	1,827.15	1/4	2,227.89	1/4	2,628.64	1/4	3,029.39	1/4	3,430.14	1/4	3,830.88
1/2	233.82	1/2	634.55	1/2	1,035.29	1/2	1,435.20	1/2	1,835.50	1/2	2,236.24	1/2	2,636.99	1/2	3,037.74	1/2	3,438.48	1/2	3,839.23
3/4	242.17	3/4	642.90	3/4	1,043.64	3/4	1,443.52	3/4	1,843.84	3/4	2,244.59	3/4	2,645.34	3/4	3,046.09	3/4	3,446.83	3/4	3,847.58
7	250.51	7	651.25	7	1,051.99	7	1,451.84	7	1,852.19	7	2,252.94	7	2,653.69	7	3,054.43	7	3,455.18	7	3,855.93
1/4	258.86	1/4	659.60	1/4	1,060.34	1/4	1,460.15	1/4	1,860.54	1/4	2,261.29	1/4	2,662.04	1/4	3,062.78	1/4	3,463.53	1/4	3,864.28
1/2	267.21	1/2	667.95	1/2	1,068.69	1/2	1,468.47	1/2	1,868.89	1/2	2,269.64	1/2	2,670.39	1/2	3,071.13	1/2	3,471.88	1/2	3,872.63
3/4	275.56	3/4	676.30	3/4	1,077.04	3/4	1,476.78	3/4	1,877.24	3/4	2,277.99	3/4	2,678.73	3/4	3,079.48	3/4	3,480.23	3/4	3,880.98
8	283.91	8	684.65	8	1,085.38	8	1,485.10	8	1,885.59	8	2,286.34	8	2,687.08	8	3,087.83	8	3,488.58	8	3,889.32
1/4	292.26	1/4	693.00	1/4	1,093.73	1/4	1,493.41	1/4	1,893.94	1/4	2,294.68	1/4	2,695.43	1/4	3,096.18	1/4	3,496.93	1/4	3,897.67
1/2	300.61	1/2	701.34	1/2	1,102.08	1/2	1,501.73	1/2	1,902.29	1/2	2,303.03	1/2	2,703.78	1/2	3,104.53	1/2	3,505.28	1/2	3,906.02
3/4	308.95	3/4	709.69	3/4	1,110.43	3/4	1,510.05	3/4	1,910.64	3/4	2,311.38	3/4	2,712.13	3/4	3,112.88	3/4	3,513.62	3/4	3,914.37
9	317.30	9	718.04	9	1,118.78	9	1,518.36	9	1,918.98	9	2,319.73	9	2,720.48	9	3,121.23	9	3,521.97	9	3,922.72
1/4	325.65	1/4	726.39	1/4	1,127.13	1/4	1,526.69	1/4	1,927.33	1/4	2,328.08	1/4	2,728.83	1/4	3,129.57	1/4	3,530.32	1/4	3,931.07
1/2	334.00	1/2	734.74	1/2	1,135.48	1/2	1,535.01	1/2	1,935.68	1/2	2,336.43	1/2	2,737.18	1/2	3,137.92	1/2	3,538.67	1/2	3,939.42
3/4	342.35	3/4	743.09	3/4	1,143.82	3/4	1,543.34	3/4	1,944.03	3/4	2,344.78	3/4	2,745.53	3/4	3,146.27	3/4	3,547.02	3/4	3,947.77
10	350.70	10	751.44	10	1,152.17	10	1,551.66	10	1,952.38	10	2,353.13	10	2,753.87	10	3,154.62	10	3,555.37	10	3,956.12
1/4	359.05	1/4	759.78	1/4	1,160.52	1/4	1,560.00	1/4	1,960.73	1/4	2,361.48	1/4	2,762.22	1/4	3,162.97	1/4	3,563.72	1/4	3,964.47
1/2	367.40	1/2	768.13	1/2	1,168.87	1/2	1,568.34	1/2	1,969.08	1/2	2,369.82	1/2	2,770.57	1/2	3,171.32	1/2	3,572.07	1/2	3,972.82
3/4	375.74	3/4	776.48	3/4	1,177.22	3/4	1,576.69	3/4	1,977.43	3/4	2,378.17	3/4	2,778.92	3/4	3,179.67	3/4	3,580.42	3/4	3,981.17
11	384.09	11	784.83	11	1,185.57	11	1,585.03	11	1,985.78	11	2,386.52	11	2,787.27	11	3,188.02	11	3,588.76	11	3,989.52
1/4	392.44	1/4	793.18	1/4	1,193.91	1/4	1,593.38	1/4	1,994.12	1/4	2,394.87	1/4	2,795.62	1/4	3,196.37	1/4	3,597.11	1/4	3,997.86
1/2	400.79	1/2	801.53	1/2	1,202.25	1/2	1,601.73	1/2	2,002.47	1/2	2,403.22	1/2	2,803.97	1/2	3,204.71	1/2	3,605.46	1/2	4,006.20
3/4	409.14	3/4	809.88	3/4	1,210.60	3/4	1,610.08	3/4	2,010.82	3/4	2,411.57	3/4	2,812.32	3/4	3,213.06	3/4	3,613.81	3/4	4,014.55

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN WITH "HERMETIC" GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 49'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "MMLP 325"

"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.

1 STBD
INNAGE TABLE

THIS SIDE FOR INNAGE FOR ULLAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	4,022.89	0	4,423.42	0	4,823.95	0	5,222.54	0	5,620.63	0		0		0		0		0	
1/4	4,031.24	1/4	4,431.76	1/4	4,832.29	1/4	5,230.83	1/4	5,628.57	1/4		1/4		1/4		1/4		1/4	
1/2	4,039.58	1/2	4,440.11	1/2	4,840.63	1/2	5,239.12	1/2	5,636.52	1/2		1/2		1/2		1/2		1/2	
3/4	4,047.93	3/4	4,448.45	3/4	4,848.98	3/4	5,247.42	3/4	5,644.46	3/4		3/4		3/4		3/4		3/4	
1	4,056.27	1	4,456.80	1	4,857.32	1	5,255.71	1	5,652.41	1		1		1		1		1	
1/4	4,064.61	1/4	4,465.14	1/4	4,865.67	1/4	5,264.00	1/4	5,659.31	1/4		1/4		1/4		1/4		1/4	
1/2	4,072.96	1/2	4,473.49	1/2	4,874.01	1/2	5,272.30	1/2	5,666.21	1/2		1/2		1/2		1/2		1/2	
3/4	4,081.30	3/4	4,481.83	3/4	4,882.36	3/4	5,280.59	3/4	5,673.12	3/4		3/4		3/4		3/4		3/4	
2	4,089.65	2	4,490.17	2	4,890.70	2	5,288.89	2	5,680.02	2		2		2		2		2	
1/4	4,097.99	1/4	4,498.52	1/4	4,899.02	1/4	5,297.18	1/4	5,685.53	1/4		1/4		1/4		1/4		1/4	
1/2	4,106.34	1/2	4,506.86	1/2	4,907.34	1/2	5,305.47	1/2	5,691.04	1/2		1/2		1/2		1/2		1/2	
3/4	4,114.68	3/4	4,515.21	3/4	4,915.65	3/4	5,313.77	3/4	5,696.55	3/4		3/4		3/4		3/4		3/4	
3	4,123.03	3	4,523.55	3	4,923.97	3	5,322.06	3		3		3		3		3		3	
1/4	4,131.37	1/4	4,531.90	1/4	4,932.26	1/4	5,330.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,139.71	1/2	4,540.24	1/2	4,940.56	1/2	5,338.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,148.06	3/4	4,548.58	3/4	4,948.85	3/4	5,346.94	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,156.40	4	4,556.93	4	4,957.15	4	5,355.23	4		4		4		4		4		4	
1/4	4,164.75	1/4	4,565.27	1/4	4,965.44	1/4	5,363.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,173.09	1/2	4,573.62	1/2	4,973.73	1/2	5,371.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,181.44	3/4	4,581.96	3/4	4,982.03	3/4	5,380.11	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,189.78	5	4,590.31	5	4,990.32	5	5,388.41	5		5		5		5		5		5	
1/4	4,198.12	1/4	4,598.65	1/4	4,998.61	1/4	5,396.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,206.47	1/2	4,606.99	1/2	5,006.91	1/2	5,404.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,214.81	3/4	4,615.34	3/4	5,015.20	3/4	5,413.29	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,223.16	6	4,623.68	6	5,023.49	6	5,421.58	6		6		6		6		6		6	
1/4	4,231.50	1/4	4,632.03	1/4	5,031.79	1/4	5,429.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,239.85	1/2	4,640.37	1/2	5,040.08	1/2	5,438.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,248.19	3/4	4,648.72	3/4	5,048.37	3/4	5,446.46	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,256.53	7	4,657.06	7	5,056.67	7	5,454.76	7		7		7		7		7		7	
1/4	4,264.88	1/4	4,665.40	1/4	5,064.96	1/4	5,463.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,273.22	1/2	4,673.75	1/2	5,073.25	1/2	5,471.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,281.57	3/4	4,682.09	3/4	5,081.55	3/4	5,479.64	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,289.91	8	4,690.44	8	5,089.84	8	5,487.93	8		8		8		8		8		8	
1/4	4,298.26	1/4	4,698.78	1/4	5,098.13	1/4	5,496.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,306.60	1/2	4,707.13	1/2	5,106.43	1/2	5,504.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,314.94	3/4	4,715.47	3/4	5,114.72	3/4	5,512.81	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,323.29	9	4,723.81	9	5,123.02	9	5,521.10	9		9		9		9		9		9	
1/4	4,331.63	1/4	4,732.16	1/4	5,131.31	1/4	5,529.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,339.98	1/2	4,740.50	1/2	5,139.60	1/2	5,537.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,348.32	3/4	4,748.85	3/4	5,147.90	3/4	5,545.98	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,356.67	10	4,757.19	10	5,156.19	10	5,554.28	10		10		10		10		10		10	
1/4	4,365.01	1/4	4,765.54	1/4	5,164.48	1/4	5,562.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,373.35	1/2	4,773.88	1/2	5,172.78	1/2	5,570.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,381.70	3/4	4,782.22	3/4	5,181.07	3/4	5,579.16	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,390.04	11	4,790.57	11	5,189.36	11	5,587.45	11		11		11		11		11		11	
1/4	4,398.39	1/4	4,798.91	1/4	5,197.66	1/4	5,595.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,406.73	1/2	4,807.26	1/2	5,205.95	1/2	5,604.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,415.08	3/4	4,815.60	3/4	5,214.24	3/4	5,612.33	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/11/2010 CL - SW
CALCULATED: 11/11/2010 CL
PRINTED: 11/11/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MMLP 325"

“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.

2 PORT INNAGE TABLE

THIS SIDE FOR INNAGE FOR ULLAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	26.49	0	403.35	0	790.51	0	1,169.11	0	1,548.92	0	1,936.09	0	2,323.27	0	2,710.44	0	3,097.61	0	3,484.78
1/4	32.54	1/4	411.42	1/4	798.57	1/4	1,176.85	1/4	1,556.99	1/4	1,944.16	1/4	2,331.33	1/4	2,718.50	1/4	3,105.68	1/4	3,492.85
1/2	38.58	1/2	419.48	1/2	806.64	1/2	1,184.59	1/2	1,565.05	1/2	1,952.22	1/2	2,339.40	1/2	2,726.57	1/2	3,113.74	1/2	3,500.92
3/4	44.63	3/4	427.55	3/4	814.71	3/4	1,192.33	3/4	1,573.12	3/4	1,960.29	3/4	2,347.46	3/4	2,734.64	3/4	3,121.81	3/4	3,508.98
1	50.68	1	435.61	1	822.77	1	1,200.07	1	1,581.18	1	1,968.36	1	2,355.53	1	2,742.70	1	3,129.88	1	3,517.05
1/4	58.22	1/4	443.68	1/4	830.84	1/4	1,207.80	1/4	1,589.25	1/4	1,976.42	1/4	2,363.60	1/4	2,750.77	1/4	3,137.94	1/4	3,525.11
1/2	65.76	1/2	451.75	1/2	838.90	1/2	1,215.53	1/2	1,597.32	1/2	1,984.49	1/2	2,371.66	1/2	2,758.83	1/2	3,146.01	1/2	3,533.18
3/4	73.31	3/4	459.81	3/4	846.97	3/4	1,223.26	3/4	1,605.38	3/4	1,992.56	3/4	2,379.73	3/4	2,766.90	3/4	3,154.07	3/4	3,541.25
2	80.85	2	467.88	2	855.04	2	1,230.99	2	1,613.45	2	2,000.62	2	2,387.79	2	2,774.97	2	3,162.14	2	3,549.31
1/4	88.89	1/4	475.94	1/4	863.10	1/4	1,238.72	1/4	1,621.51	1/4	2,008.69	1/4	2,395.86	1/4	2,783.03	1/4	3,170.21	1/4	3,557.38
1/2	96.93	1/2	484.01	1/2	871.17	1/2	1,246.45	1/2	1,629.58	1/2	2,016.75	1/2	2,403.93	1/2	2,791.10	1/2	3,178.27	1/2	3,565.44
3/4	104.97	3/4	492.07	3/4	879.23	3/4	1,254.17	3/4	1,637.65	3/4	2,024.82	3/4	2,411.99	3/4	2,799.17	3/4	3,186.34	3/4	3,573.51
3	113.01	3	500.14	3	887.30	3	1,261.90	3	1,645.71	3	2,032.89	3	2,420.06	3	2,807.23	3	3,194.40	3	3,581.58
1/4	121.07	1/4	508.21	1/4	895.36	1/4	1,269.63	1/4	1,653.78	1/4	2,040.95	1/4	2,428.12	1/4	2,815.30	1/4	3,202.47	1/4	3,589.64
1/2	129.13	1/2	516.27	1/2	903.43	1/2	1,277.36	1/2	1,661.85	1/2	2,049.02	1/2	2,436.19	1/2	2,823.36	1/2	3,210.54	1/2	3,597.71
3/4	137.19	3/4	524.34	3/4	911.50	3/4	1,285.09	3/4	1,669.91	3/4	2,057.08	3/4	2,444.26	3/4	2,831.43	3/4	3,218.60	3/4	3,605.78
4	145.25	4	532.40	4	919.56	4	1,292.81	4	1,677.98	4	2,065.15	4	2,452.32	4	2,839.50	4	3,226.67	4	3,613.84
1/4	153.31	1/4	540.47	1/4	927.55	1/4	1,300.62	1/4	1,686.04	1/4	2,073.22	1/4	2,460.39	1/4	2,847.56	1/4	3,234.73	1/4	3,621.91
1/2	161.38	1/2	548.53	1/2	935.54	1/2	1,308.42	1/2	1,694.11	1/2	2,081.28	1/2	2,468.46	1/2	2,855.63	1/2	3,242.80	1/2	3,629.97
3/4	169.44	3/4	556.60	3/4	943.53	3/4	1,316.23	3/4	1,702.18	3/4	2,089.35	3/4	2,476.52	3/4	2,863.69	3/4	3,250.87	3/4	3,638.04
5	177.51	5	564.67	5	951.62	5	1,324.03	5	1,710.24	5	2,097.41	5	2,484.59	5	2,871.76	5	3,258.93	5	3,646.11
1/4	185.57	1/4	572.73	1/4	959.36	1/4	1,331.99	1/4	1,718.31	1/4	2,105.48	1/4	2,492.65	1/4	2,879.83	1/4	3,267.00	1/4	3,654.17
1/2	193.64	1/2	580.80	1/2	967.20	1/2	1,339.94	1/2	1,726.37	1/2	2,113.55	1/2	2,500.72	1/2	2,887.89	1/2	3,275.07	1/2	3,662.24
3/4	201.71	3/4	588.86	3/4	975.04	3/4	1,347.90	3/4	1,734.44	3/4	2,121.61	3/4	2,508.79	3/4	2,895.96	3/4	3,283.13	3/4	3,670.30
6	209.77	6	596.93	6	982.87	6	1,355.86	6	1,742.51	6	2,129.68	6	2,516.85	6	2,904.02	6	3,291.20	6	3,678.37
1/4	217.84	1/4	605.00	1/4	990.63	1/4	1,363.89	1/4	1,750.57	1/4	2,137.75	1/4	2,524.92	1/4	2,912.09	1/4	3,299.26	1/4	3,686.44
1/2	225.90	1/2	613.06	1/2	998.40	1/2	1,371.92	1/2	1,758.64	1/2	2,145.81	1/2	2,532.98	1/2	2,920.16	1/2	3,307.33	1/2	3,694.50
3/4	233.97	3/4	621.13	3/4	1,006.16	3/4	1,379.95	3/4	1,766.70	3/4	2,153.88	3/4	2,541.05	3/4	2,928.22	3/4	3,315.40	3/4	3,702.57
7	242.03	7	629.19	7	1,013.92	7	1,387.99	7	1,774.77	7	2,161.94	7	2,549.12	7	2,936.29	7	3,323.46	7	3,710.63
1/4	250.10	1/4	637.26	1/4	1,021.68	1/4	1,396.02	1/4	1,782.84	1/4	2,170.01	1/4	2,557.18	1/4	2,944.36	1/4	3,331.53	1/4	3,718.70
1/2	258.17	1/2	645.32	1/2	1,029.44	1/2	1,404.05	1/2	1,790.90	1/2	2,178.08	1/2	2,565.25	1/2	2,952.42	1/2	3,339.59	1/2	3,726.77
3/4	266.23	3/4	653.39	3/4	1,037.20	3/4	1,412.09	3/4	1,798.97	3/4	2,186.14	3/4	2,573.31	3/4	2,960.49	3/4	3,347.66	3/4	3,734.83
8	274.30	8	661.46	8	1,044.96	8	1,420.12	8	1,807.03	8	2,194.21	8	2,581.38	8	2,968.55	8	3,355.73	8	3,742.90
1/4	282.36	1/4	669.52	1/4	1,052.72	1/4	1,428.15	1/4	1,815.10	1/4	2,202.27	1/4	2,589.45	1/4	2,976.62	1/4	3,363.79	1/4	3,750.97
1/2	290.43	1/2	677.59	1/2	1,060.48	1/2	1,436.18	1/2	1,823.17	1/2	2,210.34	1/2	2,597.51	1/2	2,984.69	1/2	3,371.86	1/2	3,759.03
3/4	298.50	3/4	685.65	3/4	1,068.24	3/4	1,444.22	3/4	1,831.23	3/4	2,218.41	3/4	2,605.58	3/4	2,992.75	3/4	3,379.92	3/4	3,767.10
9	306.56	9	693.72	9	1,076.01	9	1,452.25	9	1,839.30	9	2,226.47	9	2,613.64	9	3,000.82	9	3,387.99	9	3,775.16
1/4	314.63	1/4	701.79	1/4	1,083.77	1/4	1,460.29	1/4	1,847.37	1/4	2,234.54	1/4	2,621.71	1/4	3,008.88	1/4	3,396.06	1/4	3,783.23
1/2	322.69	1/2	709.85	1/2	1,091.53	1/2	1,468.33	1/2	1,855.43	1/2	2,242.60	1/2	2,629.78	1/2	3,016.95	1/2	3,404.12	1/2	3,791.30
3/4	330.76	3/4	717.92	3/4	1,099.29	3/4	1,476.38	3/4	1,863.50	3/4	2,250.67	3/4	2,637.84	3/4	3,025.02	3/4	3,412.19	3/4	3,799.36
10	338.82	10	725.98	10	1,107.05	10	1,484.42	10	1,871.56	10	2,258.74	10	2,645.91	10	3,033.08	10	3,420.25	10	3,807.43
1/4	346.89	1/4	734.05	1/4	1,114.81	1/4	1,492.48	1/4	1,879.63	1/4	2,266.80	1/4	2,653.98	1/4	3,041.15	1/4	3,428.32	1/4	3,815.49
1/2	354.96	1/2	742.11	1/2	1,122.57	1/2	1,500.54	1/2	1,887.70	1/2	2,274.87	1/2	2,662.04	1/2	3,049.21	1/2	3,436.39	1/2	3,823.55
3/4	363.02	3/4	750.18	3/4	1,130.33	3/4	1,508.60	3/4	1,895.76	3/4	2,282.93	3/4	2,670.11	3/4	3,057.28	3/4	3,444.45	3/4	3,831.61
11	371.09	11	758.25	11	1,138.09	11	1,516.66	11	1,903.83	11	2,291.00	11	2,678.17	11	3,065.35	11	3,452.52	11	3,839.68
1/4	379.15	1/4	766.31	1/4	1,145.85	1/4	1,524.72	1/4	1,911.89	1/4	2,299.07	1/4	2,686.24	1/4	3,073.41	1/4	3,460.59	1/4	3,847.74
1/2	387.22	1/2	774.38	1/2	1,153.60	1/2	1,532.79	1/2	1,919.96	1/2	2,307.13	1/2	2,694.31	1/2	3,081.48	1/2	3,468.65	1/2	3,855.80
3/4	395.28	3/4	782.44	3/4	1,161.36	3/4	1,540.85	3/4	1,928.03	3/4	2,315.20	3/4	2,702.37	3/4	3,089.54	3/4	3,476.72	3/4	3,863.86

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN WITH "HERMETIC" GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 50'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "MMLP 325"

"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.

2 PORT INNAGE TABLE

THIS SIDE FOR INNAGE FOR ULLAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	3,871.92	0	4,258.88	0	4,645.85	0	5,031.02	0	5,415.72	0		0		0		0		0	
1/4	3,879.98	1/4	4,266.95	1/4	4,653.91	1/4	5,039.04	1/4	5,423.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,888.05	1/2	4,275.01	1/2	4,661.97	1/2	5,047.05	1/2	5,431.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,896.11	3/4	4,283.07	3/4	4,670.03	3/4	5,055.06	3/4	5,438.75	3/4		3/4		3/4		3/4		3/4	
1	3,904.17	1	4,291.13	1	4,678.09	1	5,063.08	1	5,446.43	1		1		1		1		1	
1/4	3,912.23	1/4	4,299.19	1/4	4,686.15	1/4	5,071.09	1/4	5,453.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,920.29	1/2	4,307.25	1/2	4,694.22	1/2	5,079.11	1/2	5,459.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,928.35	3/4	4,315.32	3/4	4,702.28	3/4	5,087.12	3/4	5,466.44	3/4		3/4		3/4		3/4		3/4	
2	3,936.42	2	4,323.38	2	4,710.34	2	5,095.14	2	5,473.11	2		2		2		2		2	
1/4	3,944.48	1/4	4,331.44	1/4	4,718.38	1/4	5,103.15	1/4	5,478.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,952.54	1/2	4,339.50	1/2	4,726.42	1/2	5,111.17	1/2	5,483.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,960.60	3/4	4,347.56	3/4	4,734.46	3/4	5,119.18	3/4	5,489.09	3/4		3/4		3/4		3/4		3/4	
3	3,968.66	3	4,355.62	3	4,742.49	3	5,127.20	3		3		3		3		3		3	
1/4	3,976.73	1/4	4,363.69	1/4	4,750.51	1/4	5,135.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,984.79	1/2	4,371.75	1/2	4,758.52	1/2	5,143.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,992.85	3/4	4,379.81	3/4	4,766.54	3/4	5,151.24	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,000.91	4	4,387.87	4	4,774.55	4	5,159.25	4		4		4		4		4		4	
1/4	4,008.97	1/4	4,395.93	1/4	4,782.57	1/4	5,167.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,017.03	1/2	4,404.00	1/2	4,790.58	1/2	5,175.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,025.10	3/4	4,412.06	3/4	4,798.60	3/4	5,183.30	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,033.16	5	4,420.12	5	4,806.61	5	5,191.31	5		5		5		5		5		5	
1/4	4,041.22	1/4	4,428.18	1/4	4,814.63	1/4	5,199.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,049.28	1/2	4,436.24	1/2	4,822.64	1/2	5,207.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,057.34	3/4	4,444.30	3/4	4,830.66	3/4	5,215.36	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,065.40	6	4,452.37	6	4,838.67	6	5,223.37	6		6		6		6		6		6	
1/4	4,073.47	1/4	4,460.43	1/4	4,846.68	1/4	5,231.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,081.53	1/2	4,468.49	1/2	4,854.70	1/2	5,239.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,089.59	3/4	4,476.55	3/4	4,862.71	3/4	5,247.41	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,097.65	7	4,484.61	7	4,870.73	7	5,255.43	7		7		7		7		7		7	
1/4	4,105.71	1/4	4,492.67	1/4	4,878.74	1/4	5,263.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,113.77	1/2	4,500.74	1/2	4,886.76	1/2	5,271.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,121.84	3/4	4,508.80	3/4	4,894.77	3/4	5,279.47	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,129.90	8	4,516.86	8	4,902.79	8	5,287.49	8		8		8		8		8		8	
1/4	4,137.96	1/4	4,524.92	1/4	4,910.80	1/4	5,295.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,146.02	1/2	4,532.98	1/2	4,918.82	1/2	5,303.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,154.08	3/4	4,541.04	3/4	4,926.83	3/4	5,311.53	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,162.14	9	4,549.11	9	4,934.85	9	5,319.55	9		9		9		9		9		9	
1/4	4,170.21	1/4	4,557.17	1/4	4,942.86	1/4	5,327.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,178.27	1/2	4,565.23	1/2	4,950.87	1/2	5,335.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,186.33	3/4	4,573.29	3/4	4,958.89	3/4	5,343.59	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,194.39	10	4,581.35	10	4,966.90	10	5,351.60	10		10		10		10		10		10	
1/4	4,202.45	1/4	4,589.41	1/4	4,974.92	1/4	5,359.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,210.51	1/2	4,597.48	1/2	4,982.93	1/2	5,367.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,218.58	3/4	4,605.54	3/4	4,990.95	3/4	5,375.65	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,226.64	11	4,613.60	11	4,998.96	11	5,383.66	11		11		11		11		11		11	
1/4	4,234.70	1/4	4,621.66	1/4	5,006.98	1/4	5,391.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,242.76	1/2	4,629.72	1/2	5,014.99	1/2	5,399.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,250.82	3/4	4,637.78	3/4	5,023.01	3/4	5,407.71	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/11/2010 CL - SW
CALCULATED: 11/11/2010 CL
PRINTED: 11/11/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MMLP 325"

"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.

2 STBD INNAGE TABLE

THIS SIDE FOR INNAGE FOR ULLAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	26.49	0	403.44	0	790.69	0	1,177.91	0	1,563.90	0	1,951.16	0	2,338.42	0	2,725.68	0	3,112.94	0	3,500.20
1/4	32.54	1/4	411.51	1/4	798.76	1/4	1,185.96	1/4	1,571.97	1/4	1,959.23	1/4	2,346.49	1/4	2,733.75	1/4	3,121.01	1/4	3,508.27
1/2	38.59	1/2	419.58	1/2	806.83	1/2	1,194.00	1/2	1,580.04	1/2	1,967.30	1/2	2,354.56	1/2	2,741.82	1/2	3,129.08	1/2	3,516.33
3/4	44.64	3/4	427.65	3/4	814.90	3/4	1,202.05	3/4	1,588.11	3/4	1,975.37	3/4	2,362.63	3/4	2,749.88	3/4	3,137.14	3/4	3,524.40
1	50.69	1	435.71	1	822.96	1	1,210.09	1	1,596.17	1	1,983.43	1	2,370.69	1	2,757.95	1	3,145.21	1	3,532.47
1/4	58.24	1/4	443.78	1/4	831.03	1/4	1,218.13	1/4	1,604.24	1/4	1,991.50	1/4	2,378.76	1/4	2,766.02	1/4	3,153.28	1/4	3,540.54
1/2	65.78	1/2	451.85	1/2	839.10	1/2	1,226.17	1/2	1,612.31	1/2	1,999.57	1/2	2,386.83	1/2	2,774.09	1/2	3,161.35	1/2	3,548.61
3/4	73.32	3/4	459.92	3/4	847.17	3/4	1,234.21	3/4	1,620.38	3/4	2,007.64	3/4	2,394.90	3/4	2,782.16	3/4	3,169.42	3/4	3,556.67
2	80.87	2	467.98	2	855.23	2	1,242.24	2	1,628.45	2	2,015.71	2	2,402.96	2	2,790.22	2	3,177.48	2	3,564.74
1/4	88.91	1/4	476.05	1/4	863.30	1/4	1,250.28	1/4	1,636.51	1/4	2,023.77	1/4	2,411.03	1/4	2,798.29	1/4	3,185.55	1/4	3,572.81
1/2	96.95	1/2	484.12	1/2	871.37	1/2	1,258.31	1/2	1,644.58	1/2	2,031.84	1/2	2,419.10	1/2	2,806.36	1/2	3,193.62	1/2	3,580.88
3/4	104.99	3/4	492.19	3/4	879.44	3/4	1,266.35	3/4	1,652.65	3/4	2,039.91	3/4	2,427.17	3/4	2,814.43	3/4	3,201.69	3/4	3,588.95
3	113.04	3	500.26	3	887.51	3	1,274.38	3	1,660.72	3	2,047.98	3	2,435.24	3	2,822.50	3	3,209.75	3	3,597.01
1/4	121.10	1/4	508.32	1/4	895.57	1/4	1,282.42	1/4	1,668.79	1/4	2,056.04	1/4	2,443.30	1/4	2,830.56	1/4	3,217.82	1/4	3,605.08
1/2	129.16	1/2	516.39	1/2	903.64	1/2	1,290.45	1/2	1,676.85	1/2	2,064.11	1/2	2,451.37	1/2	2,838.63	1/2	3,225.89	1/2	3,613.15
3/4	137.22	3/4	524.46	3/4	911.71	3/4	1,298.49	3/4	1,684.92	3/4	2,072.18	3/4	2,459.44	3/4	2,846.70	3/4	3,233.96	3/4	3,621.22
4	145.28	4	532.53	4	919.78	4	1,306.52	4	1,692.99	4	2,080.25	4	2,467.51	4	2,854.77	4	3,242.03	4	3,629.29
1/4	153.35	1/4	540.59	1/4	927.84	1/4	1,314.55	1/4	1,701.06	1/4	2,088.32	1/4	2,475.58	1/4	2,862.83	1/4	3,250.09	1/4	3,637.35
1/2	161.41	1/2	548.66	1/2	935.91	1/2	1,322.59	1/2	1,709.13	1/2	2,096.38	1/2	2,483.64	1/2	2,870.90	1/2	3,258.16	1/2	3,645.42
3/4	169.48	3/4	556.73	3/4	943.98	3/4	1,330.62	3/4	1,717.19	3/4	2,104.45	3/4	2,491.71	3/4	2,878.97	3/4	3,266.23	3/4	3,653.49
5	177.55	5	564.80	5	952.05	5	1,338.66	5	1,725.26	5	2,112.52	5	2,499.78	5	2,887.04	5	3,274.30	5	3,661.56
1/4	185.62	1/4	572.87	1/4	960.11	1/4	1,346.69	1/4	1,733.33	1/4	2,120.59	1/4	2,507.85	1/4	2,895.11	1/4	3,282.37	1/4	3,669.62
1/2	193.68	1/2	580.93	1/2	968.18	1/2	1,354.73	1/2	1,741.40	1/2	2,128.66	1/2	2,515.92	1/2	2,903.17	1/2	3,290.43	1/2	3,677.69
3/4	201.75	3/4	589.00	3/4	976.25	3/4	1,362.76	3/4	1,749.46	3/4	2,136.72	3/4	2,523.98	3/4	2,911.24	3/4	3,298.50	3/4	3,685.76
6	209.82	6	597.07	6	984.32	6	1,370.80	6	1,757.53	6	2,144.79	6	2,532.05	6	2,919.31	6	3,306.57	6	3,693.83
1/4	217.89	1/4	605.14	1/4	992.39	1/4	1,378.83	1/4	1,765.60	1/4	2,152.86	1/4	2,540.12	1/4	2,927.38	1/4	3,314.64	1/4	3,701.90
1/2	225.95	1/2	613.20	1/2	1,000.45	1/2	1,386.87	1/2	1,773.67	1/2	2,160.93	1/2	2,548.19	1/2	2,935.45	1/2	3,322.71	1/2	3,709.96
3/4	234.02	3/4	621.27	3/4	1,008.52	3/4	1,394.90	3/4	1,781.74	3/4	2,169.00	3/4	2,556.25	3/4	2,943.51	3/4	3,330.77	3/4	3,718.03
7	242.09	7	629.34	7	1,016.59	7	1,402.94	7	1,789.80	7	2,177.06	7	2,564.32	7	2,951.58	7	3,338.84	7	3,726.10
1/4	250.16	1/4	637.41	1/4	1,024.66	1/4	1,410.97	1/4	1,797.87	1/4	2,185.13	1/4	2,572.39	1/4	2,959.65	1/4	3,346.91	1/4	3,734.17
1/2	258.22	1/2	645.47	1/2	1,032.72	1/2	1,419.00	1/2	1,805.94	1/2	2,193.20	1/2	2,580.46	1/2	2,967.72	1/2	3,354.98	1/2	3,742.24
3/4	266.29	3/4	653.54	3/4	1,040.79	3/4	1,427.04	3/4	1,814.01	3/4	2,201.27	3/4	2,588.53	3/4	2,975.79	3/4	3,363.04	3/4	3,750.30
8	274.36	8	661.61	8	1,048.86	8	1,435.07	8	1,822.08	8	2,209.33	8	2,596.59	8	2,983.85	8	3,371.11	8	3,758.37
1/4	282.43	1/4	669.68	1/4	1,056.93	1/4	1,443.11	1/4	1,830.14	1/4	2,217.40	1/4	2,604.66	1/4	2,991.92	1/4	3,379.18	1/4	3,766.44
1/2	290.50	1/2	677.75	1/2	1,064.99	1/2	1,451.14	1/2	1,838.21	1/2	2,225.47	1/2	2,612.73	1/2	2,999.99	1/2	3,387.25	1/2	3,774.51
3/4	298.56	3/4	685.81	3/4	1,073.06	3/4	1,459.18	3/4	1,846.28	3/4	2,233.54	3/4	2,620.80	3/4	3,008.06	3/4	3,395.32	3/4	3,782.58
9	306.63	9	693.88	9	1,081.13	9	1,467.21	9	1,854.35	9	2,241.61	9	2,628.87	9	3,016.12	9	3,403.38	9	3,790.64
1/4	314.70	1/4	701.95	1/4	1,089.20	1/4	1,475.26	1/4	1,862.42	1/4	2,249.67	1/4	2,636.93	1/4	3,024.19	1/4	3,411.45	1/4	3,798.71
1/2	322.77	1/2	710.02	1/2	1,097.27	1/2	1,483.30	1/2	1,870.48	1/2	2,257.74	1/2	2,645.00	1/2	3,032.26	1/2	3,419.52	1/2	3,806.78
3/4	330.83	3/4	718.08	3/4	1,105.33	3/4	1,491.34	3/4	1,878.55	3/4	2,265.81	3/4	2,653.07	3/4	3,040.33	3/4	3,427.59	3/4	3,814.85
10	338.90	10	726.15	10	1,113.40	10	1,499.39	10	1,886.62	10	2,273.88	10	2,661.14	10	3,048.40	10	3,435.66	10	3,822.91
1/4	346.97	1/4	734.22	1/4	1,121.47	1/4	1,507.45	1/4	1,894.69	1/4	2,281.95	1/4	2,669.21	1/4	3,056.46	1/4	3,443.72	1/4	3,830.98
1/2	355.04	1/2	742.29	1/2	1,129.54	1/2	1,515.51	1/2	1,902.75	1/2	2,290.01	1/2	2,677.27	1/2	3,064.53	1/2	3,451.79	1/2	3,839.04
3/4	363.10	3/4	750.35	3/4	1,137.60	3/4	1,523.57	3/4	1,910.82	3/4	2,298.08	3/4	2,685.34	3/4	3,072.60	3/4	3,459.86	3/4	3,847.11
11	371.17	11	758.42	11	1,145.67	11	1,531.63	11	1,918.89	11	2,306.15	11	2,693.41	11	3,080.67	11	3,467.93	11	3,855.17
1/4	379.24	1/4	766.49	1/4	1,153.73	1/4	1,539.70	1/4	1,926.96	1/4	2,314.22	1/4	2,701.48	1/4	3,088.74	1/4	3,476.00	1/4	3,863.23
1/2	387.31	1/2	774.56	1/2	1,161.79	1/2	1,547.77	1/2	1,935.03	1/2	2,322.29	1/2	2,709.54	1/2	3,096.80	1/2	3,484.06	1/2	3,871.30
3/4	395.38	3/4	782.63	3/4	1,169.85	3/4	1,555.84	3/4	1,943.09	3/4	2,330.35	3/4	2,717.61	3/4	3,104.87	3/4	3,492.13	3/4	3,879.36

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN WITH "HERMETIC" GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 50'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "MMLP 325"

"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.

2 STBD
INNAGE TABLE

THIS SIDE FOR INNAGE FOR ULLAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	3,887.42	0	4,274.47	0	4,661.52	0	5,046.78	0	5,431.57	0		0		0		0		0	
1/4	3,895.49	1/4	4,282.54	1/4	4,669.58	1/4	5,054.80	1/4	5,439.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,903.55	1/2	4,290.60	1/2	4,677.65	1/2	5,062.81	1/2	5,446.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,911.62	3/4	4,298.66	3/4	4,685.71	3/4	5,070.83	3/4	5,454.61	3/4		3/4		3/4		3/4		3/4	
1	3,919.68	1	4,306.73	1	4,693.77	1	5,078.85	1	5,462.29	1		1		1		1		1	
1/4	3,927.74	1/4	4,314.79	1/4	4,701.84	1/4	5,086.86	1/4	5,468.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,935.81	1/2	4,322.85	1/2	4,709.90	1/2	5,094.88	1/2	5,475.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,943.87	3/4	4,330.92	3/4	4,717.97	3/4	5,102.90	3/4	5,482.31	3/4		3/4		3/4		3/4		3/4	
2	3,951.93	2	4,338.98	2	4,726.03	2	5,110.91	2	5,488.98	2		2		2		2		2	
1/4	3,960.00	1/4	4,347.04	1/4	4,734.07	1/4	5,118.93	1/4	5,494.31	1/4		1/4		1/4		1/4		1/4	
1/2	3,968.06	1/2	4,355.11	1/2	4,742.11	1/2	5,126.95	1/2	5,499.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,976.12	3/4	4,363.17	3/4	4,750.15	3/4	5,134.96	3/4	5,504.96	3/4		3/4		3/4		3/4		3/4	
3	3,984.19	3	4,371.23	3	4,758.19	3	5,142.98	3		3		3		3		3		3	
1/4	3,992.25	1/4	4,379.30	1/4	4,766.21	1/4	5,150.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,000.31	1/2	4,387.36	1/2	4,774.22	1/2	5,159.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,008.38	3/4	4,395.43	3/4	4,782.24	3/4	5,167.03	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,016.44	4	4,403.49	4	4,790.26	4	5,175.04	4		4		4		4		4		4	
1/4	4,024.50	1/4	4,411.55	1/4	4,798.27	1/4	5,183.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,032.57	1/2	4,419.62	1/2	4,806.29	1/2	5,191.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,040.63	3/4	4,427.68	3/4	4,814.31	3/4	5,199.09	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,048.69	5	4,435.74	5	4,822.32	5	5,207.11	5		5		5		5		5		5	
1/4	4,056.76	1/4	4,443.81	1/4	4,830.34	1/4	5,215.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,064.82	1/2	4,451.87	1/2	4,838.36	1/2	5,223.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,072.89	3/4	4,459.93	3/4	4,846.37	3/4	5,231.16	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,080.95	6	4,468.00	6	4,854.39	6	5,239.18	6		6		6		6		6		6	
1/4	4,089.01	1/4	4,476.06	1/4	4,862.40	1/4	5,247.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,097.08	1/2	4,484.12	1/2	4,870.42	1/2	5,255.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,105.14	3/4	4,492.19	3/4	4,878.44	3/4	5,263.22	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,113.20	7	4,500.25	7	4,886.45	7	5,271.24	7		7		7		7		7		7	
1/4	4,121.27	1/4	4,508.31	1/4	4,894.47	1/4	5,279.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,129.33	1/2	4,516.38	1/2	4,902.49	1/2	5,287.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,137.39	3/4	4,524.44	3/4	4,910.50	3/4	5,295.29	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,145.46	8	4,532.50	8	4,918.52	8	5,303.31	8		8		8		8		8		8	
1/4	4,153.52	1/4	4,540.57	1/4	4,926.54	1/4	5,311.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,161.58	1/2	4,548.63	1/2	4,934.55	1/2	5,319.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,169.65	3/4	4,556.70	3/4	4,942.57	3/4	5,327.36	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,177.71	9	4,564.76	9	4,950.58	9	5,335.37	9		9		9		9		9		9	
1/4	4,185.77	1/4	4,572.82	1/4	4,958.60	1/4	5,343.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,193.84	1/2	4,580.89	1/2	4,966.62	1/2	5,351.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,201.90	3/4	4,588.95	3/4	4,974.63	3/4	5,359.42	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,209.96	10	4,597.01	10	4,982.65	10	5,367.44	10		10		10		10		10		10	
1/4	4,218.03	1/4	4,605.08	1/4	4,990.67	1/4	5,375.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,226.09	1/2	4,613.14	1/2	4,998.68	1/2	5,383.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,234.16	3/4	4,621.20	3/4	5,006.70	3/4	5,391.49	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,242.22	11	4,629.27	11	5,014.72	11	5,399.50	11		11		11		11		11		11	
1/4	4,250.28	1/4	4,637.33	1/4	5,022.73	1/4	5,407.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,258.35	1/2	4,645.39	1/2	5,030.75	1/2	5,415.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,266.41	3/4	4,653.46	3/4	5,038.77	3/4	5,423.55	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/11/2010 CL - SW
CALCULATED: 11/11/2010 CL
PRINTED: 11/11/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MMLP 325"

"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.

3 PORT INNAGE TABLE

THIS SIDE FOR INNAGE FOR ULLAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	26.26	0	401.02	0	786.04	0	1,169.27	0	1,541.59	0	1,925.29	0	2,309.00	0	2,694.04	0	3,078.53	0	3,462.78
1/4	32.27	1/4	409.05	1/4	794.06	1/4	1,177.00	1/4	1,549.61	1/4	1,933.26	1/4	2,317.02	1/4	2,702.07	1/4	3,086.54	1/4	3,470.78
1/2	38.29	1/2	417.07	1/2	802.08	1/2	1,184.73	1/2	1,557.64	1/2	1,941.23	1/2	2,325.04	1/2	2,710.09	1/2	3,094.55	1/2	3,478.79
3/4	44.30	3/4	425.09	3/4	810.11	3/4	1,192.46	3/4	1,565.66	3/4	1,949.19	3/4	2,333.06	3/4	2,718.11	3/4	3,102.55	3/4	3,486.79
1	50.31	1	433.11	1	818.13	1	1,200.19	1	1,573.68	1	1,957.16	1	2,341.08	1	2,726.13	1	3,110.56	1	3,494.79
1/4	57.81	1/4	441.13	1/4	826.15	1/4	1,207.90	1/4	1,581.70	1/4	1,965.12	1/4	2,349.11	1/4	2,734.15	1/4	3,118.57	1/4	3,502.80
1/2	65.31	1/2	449.15	1/2	834.17	1/2	1,215.60	1/2	1,589.72	1/2	1,973.09	1/2	2,357.13	1/2	2,742.17	1/2	3,126.57	1/2	3,510.80
3/4	72.81	3/4	457.17	3/4	842.19	3/4	1,223.30	3/4	1,597.75	3/4	1,981.05	3/4	2,365.15	3/4	2,750.20	3/4	3,134.58	3/4	3,518.81
2	80.31	2	465.19	2	850.21	2	1,231.00	2	1,605.77	2	1,989.02	2	2,373.17	2	2,758.22	2	3,142.59	2	3,526.81
1/4	88.30	1/4	473.21	1/4	858.23	1/4	1,238.70	1/4	1,613.79	1/4	1,996.99	1/4	2,381.19	1/4	2,766.23	1/4	3,150.60	1/4	3,534.82
1/2	96.30	1/2	481.24	1/2	866.25	1/2	1,246.40	1/2	1,621.81	1/2	2,004.95	1/2	2,389.22	1/2	2,774.25	1/2	3,158.60	1/2	3,542.82
3/4	104.29	3/4	489.26	3/4	874.27	3/4	1,254.10	3/4	1,629.83	3/4	2,012.92	3/4	2,397.24	3/4	2,782.26	3/4	3,166.61	3/4	3,550.82
3	112.29	3	497.28	3	882.30	3	1,261.80	3	1,637.85	3	2,020.88	3	2,405.26	3	2,790.27	3	3,174.62	3	3,558.83
1/4	120.30	1/4	505.30	1/4	890.32	1/4	1,269.50	1/4	1,645.88	1/4	2,028.85	1/4	2,413.28	1/4	2,798.28	1/4	3,182.62	1/4	3,566.83
1/2	128.32	1/2	513.32	1/2	898.34	1/2	1,277.20	1/2	1,653.90	1/2	2,036.82	1/2	2,421.30	1/2	2,806.29	1/2	3,190.63	1/2	3,574.84
3/4	136.33	3/4	521.34	3/4	906.36	3/4	1,284.90	3/4	1,661.92	3/4	2,044.78	3/4	2,429.32	3/4	2,814.29	3/4	3,198.64	3/4	3,582.84
4	144.35	4	529.36	4	914.38	4	1,292.60	4	1,669.94	4	2,052.75	4	2,437.35	4	2,822.30	4	3,206.64	4	3,590.84
1/4	152.37	1/4	537.38	1/4	922.40	1/4	1,300.30	1/4	1,677.96	1/4	2,060.71	1/4	2,445.37	1/4	2,830.31	1/4	3,214.65	1/4	3,598.85
1/2	160.39	1/2	545.41	1/2	930.42	1/2	1,308.00	1/2	1,685.99	1/2	2,068.68	1/2	2,453.39	1/2	2,838.32	1/2	3,222.65	1/2	3,606.85
3/4	168.41	3/4	553.43	3/4	938.44	3/4	1,315.70	3/4	1,694.01	3/4	2,076.64	3/4	2,461.41	3/4	2,846.32	3/4	3,230.66	3/4	3,614.86
5	176.43	5	561.45	5	946.46	5	1,323.40	5	1,702.03	5	2,084.61	5	2,469.43	5	2,854.33	5	3,238.66	5	3,622.86
1/4	184.45	1/4	569.47	1/4	954.48	1/4	1,331.10	1/4	1,710.04	1/4	2,092.59	1/4	2,477.46	1/4	2,862.34	1/4	3,246.66	1/4	3,630.87
1/2	192.47	1/2	577.49	1/2	962.50	1/2	1,338.81	1/2	1,718.04	1/2	2,100.57	1/2	2,485.48	1/2	2,870.34	1/2	3,254.67	1/2	3,638.87
3/4	200.49	3/4	585.51	3/4	970.52	3/4	1,346.51	3/4	1,726.05	3/4	2,108.55	3/4	2,493.50	3/4	2,878.35	3/4	3,262.67	3/4	3,646.87
6	208.52	6	593.53	6	978.54	6	1,354.21	6	1,734.06	6	2,116.53	6	2,501.52	6	2,886.36	6	3,270.68	6	3,654.88
1/4	216.54	1/4	601.55	1/4	986.56	1/4	1,361.91	1/4	1,742.04	1/4	2,124.54	1/4	2,509.54	1/4	2,894.37	1/4	3,278.68	1/4	3,662.88
1/2	224.56	1/2	609.58	1/2	994.58	1/2	1,369.61	1/2	1,750.02	1/2	2,132.55	1/2	2,517.56	1/2	2,902.37	1/2	3,286.69	1/2	3,670.89
3/4	232.58	3/4	617.60	3/4	1,002.60	3/4	1,377.31	3/4	1,758.00	3/4	2,140.55	3/4	2,525.59	3/4	2,910.38	3/4	3,294.69	3/4	3,678.89
7	240.60	7	625.62	7	1,010.62	7	1,385.01	7	1,765.98	7	2,148.56	7	2,533.61	7	2,918.39	7	3,302.69	7	3,686.90
1/4	248.62	1/4	633.64	1/4	1,018.64	1/4	1,392.71	1/4	1,773.94	1/4	2,156.58	1/4	2,541.63	1/4	2,926.39	1/4	3,310.70	1/4	3,694.90
1/2	256.64	1/2	641.66	1/2	1,026.67	1/2	1,400.41	1/2	1,781.91	1/2	2,164.60	1/2	2,549.65	1/2	2,934.40	1/2	3,318.70	1/2	3,702.90
3/4	264.66	3/4	649.68	3/4	1,034.69	3/4	1,408.11	3/4	1,789.88	3/4	2,172.63	3/4	2,557.67	3/4	2,942.41	3/4	3,326.71	3/4	3,710.91
8	272.68	8	657.70	8	1,042.71	8	1,415.81	8	1,797.84	8	2,180.65	8	2,565.69	8	2,950.42	8	3,334.71	8	3,718.91
1/4	280.71	1/4	665.72	1/4	1,050.73	1/4	1,423.51	1/4	1,805.81	1/4	2,188.67	1/4	2,573.72	1/4	2,958.42	1/4	3,342.71	1/4	3,726.92
1/2	288.73	1/2	673.74	1/2	1,058.75	1/2	1,431.21	1/2	1,813.77	1/2	2,196.69	1/2	2,581.74	1/2	2,966.43	1/2	3,350.72	1/2	3,734.92
3/4	296.75	3/4	681.77	3/4	1,066.77	3/4	1,438.91	3/4	1,821.74	3/4	2,204.71	3/4	2,589.76	3/4	2,974.44	3/4	3,358.72	3/4	3,742.92
9	304.77	9	689.79	9	1,074.79	9	1,446.61	9	1,829.70	9	2,212.74	9	2,597.78	9	2,982.45	9	3,366.73	9	3,750.93
1/4	312.79	1/4	697.81	1/4	1,082.76	1/4	1,454.39	1/4	1,837.67	1/4	2,220.76	1/4	2,605.80	1/4	2,990.45	1/4	3,374.73	1/4	3,758.93
1/2	320.81	1/2	705.83	1/2	1,090.73	1/2	1,462.17	1/2	1,845.64	1/2	2,228.78	1/2	2,613.83	1/2	2,998.46	1/2	3,382.74	1/2	3,766.94
3/4	328.83	3/4	713.85	3/4	1,098.70	3/4	1,469.95	3/4	1,853.60	3/4	2,236.80	3/4	2,621.85	3/4	3,006.47	3/4	3,390.74	3/4	3,774.94
10	336.85	10	721.87	10	1,106.67	10	1,477.74	10	1,861.67	10	2,244.82	10	2,629.87	10	3,014.47	10	3,398.74	10	3,782.95
1/4	344.88	1/4	729.89	1/4	1,114.53	1/4	1,485.68	1/4	1,869.53	1/4	2,252.84	1/4	2,637.89	1/4	3,022.48	1/4	3,406.75	1/4	3,789.81
1/2	352.90	1/2	737.91	1/2	1,122.40	1/2	1,493.62	1/2	1,877.50	1/2	2,260.87	1/2	2,645.91	1/2	3,030.49	1/2	3,414.75	1/2	3,796.67
3/4	360.92	3/4	745.94	3/4	1,130.26	3/4	1,501.56	3/4	1,885.47	3/4	2,268.89	3/4	2,653.93	3/4	3,038.50	3/4	3,422.76	3/4	3,803.54
11	368.94	11	753.96	11	1,138.13	11	1,509.51	11	1,893.43	11	2,276.91	11	2,661.96	11	3,046.50	11	3,430.76	11	3,810.40
1/4	376.96	1/4	761.98	1/4	1,145.91	1/4	1,517.53	1/4	1,901.40	1/4	2,284.93	1/4	2,669.98	1/4	3,054.51	1/4	3,438.77	1/4	3,816.13
1/2	384.98	1/2	770.00	1/2	1,153.70	1/2	1,525.55	1/2	1,909.36	1/2	2,292.95	1/2	2,678.00	1/2	3,062.52	1/2	3,446.77	1/2	3,821.85
3/4	393.00	3/4	778.02	3/4	1,161.48	3/4	1,533.57	3/4	1,917.33	3/4	2,300.98	3/4	2,686.02	3/4	3,070.52	3/4	3,454.77	3/4	3,827.57

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN WITH "HERMETIC" GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 49'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "MMLP 325"

"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.

3 PORT INNAGE TABLE

THIS SIDE FOR INNAGE FOR ULLAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	3,833.30	0	4,108.04	0	4,382.77	0	4,656.27	0	4,929.44	0		0		0		0		0	
1/4	3,839.02	1/4	4,113.76	1/4	4,388.50	1/4	4,661.96	1/4	4,934.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,844.75	1/2	4,119.48	1/2	4,394.22	1/2	4,667.65	1/2	4,940.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,850.47	3/4	4,125.21	3/4	4,399.94	3/4	4,673.35	3/4	4,945.51	3/4		3/4		3/4		3/4		3/4	
1	3,856.19	1	4,130.93	1	4,405.67	1	4,679.04	1	4,950.87	1		1		1		1		1	
1/4	3,861.92	1/4	4,136.65	1/4	4,411.39	1/4	4,684.73	1/4	4,955.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,867.64	1/2	4,142.38	1/2	4,417.12	1/2	4,690.42	1/2	4,959.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,873.36	3/4	4,148.10	3/4	4,422.84	3/4	4,696.11	3/4	4,963.92	3/4		3/4		3/4		3/4		3/4	
2	3,879.09	2	4,153.83	2	4,428.56	2	4,701.80	2	4,968.28	2		2		2		2		2	
1/4	3,884.81	1/4	4,159.55	1/4	4,434.27	1/4	4,707.49	1/4	4,971.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,890.53	1/2	4,165.27	1/2	4,439.98	1/2	4,713.18	1/2	4,974.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,896.26	3/4	4,171.00	3/4	4,445.68	3/4	4,718.87	3/4	4,977.32	3/4		3/4		3/4		3/4		3/4	
3	3,901.98	3	4,176.72	3	4,451.39	3	4,724.57	3		3		3		3		3		3	
1/4	3,907.71	1/4	4,182.44	1/4	4,457.08	1/4	4,730.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,913.43	1/2	4,188.17	1/2	4,462.77	1/2	4,735.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,919.15	3/4	4,193.89	3/4	4,468.47	3/4	4,741.64	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,924.88	4	4,199.61	4	4,474.16	4	4,747.33	4		4		4		4		4		4	
1/4	3,930.60	1/4	4,205.34	1/4	4,479.85	1/4	4,753.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,936.32	1/2	4,211.06	1/2	4,485.54	1/2	4,758.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,942.05	3/4	4,216.79	3/4	4,491.23	3/4	4,764.40	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,947.77	5	4,222.51	5	4,496.92	5	4,770.09	5		5		5		5		5		5	
1/4	3,953.50	1/4	4,228.23	1/4	4,502.61	1/4	4,775.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,959.22	1/2	4,233.96	1/2	4,508.30	1/2	4,781.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,964.94	3/4	4,239.68	3/4	4,513.99	3/4	4,787.17	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,970.67	6	4,245.40	6	4,519.69	6	4,792.86	6		6		6		6		6		6	
1/4	3,976.39	1/4	4,251.13	1/4	4,525.38	1/4	4,798.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,982.11	1/2	4,256.85	1/2	4,531.07	1/2	4,804.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,987.84	3/4	4,262.58	3/4	4,536.76	3/4	4,809.93	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,993.56	7	4,268.30	7	4,542.45	7	4,815.62	7		7		7		7		7		7	
1/4	3,999.29	1/4	4,274.02	1/4	4,548.14	1/4	4,821.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,005.01	1/2	4,279.75	1/2	4,553.83	1/2	4,827.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,010.73	3/4	4,285.47	3/4	4,559.52	3/4	4,832.70	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,016.46	8	4,291.19	8	4,565.21	8	4,838.39	8		8		8		8		8		8	
1/4	4,022.18	1/4	4,296.92	1/4	4,570.91	1/4	4,844.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,027.90	1/2	4,302.64	1/2	4,576.60	1/2	4,849.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,033.63	3/4	4,308.37	3/4	4,582.29	3/4	4,855.46	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,039.35	9	4,314.09	9	4,587.98	9	4,861.15	9		9		9		9		9		9	
1/4	4,045.07	1/4	4,319.81	1/4	4,593.67	1/4	4,866.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,050.80	1/2	4,325.54	1/2	4,599.36	1/2	4,872.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,056.52	3/4	4,331.26	3/4	4,605.05	3/4	4,878.22	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,062.25	10	4,336.98	10	4,610.74	10	4,883.92	10		10		10		10		10		10	
1/4	4,067.97	1/4	4,342.71	1/4	4,616.43	1/4	4,889.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,073.69	1/2	4,348.43	1/2	4,622.13	1/2	4,895.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,079.42	3/4	4,354.15	3/4	4,627.82	3/4	4,900.99	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,085.14	11	4,359.88	11	4,633.51	11	4,906.68	11		11		11		11		11		11	
1/4	4,090.86	1/4	4,365.60	1/4	4,639.20	1/4	4,912.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,096.59	1/2	4,371.33	1/2	4,644.89	1/2	4,918.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,102.31	3/4	4,377.05	3/4	4,650.58	3/4	4,923.75	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/11/2010 CL - SW
CALCULATED: 11/11/2010 CL
PRINTED: 11/11/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2010

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



BARGE "MMLP 325"

“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.

3 STBD
INNAGE TABLE

THIS SIDE FOR INNAGE FOR ULLAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS																		GAUGE HEIGHT 17'-03 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	26.38	0	401.72	0	787.31	0	1,172.88	0	1,557.22	0	1,942.82	0	2,328.43	0	2,714.03	0	3,099.09	0	3,483.89
1/4	32.41	1/4	409.75	1/4	795.35	1/4	1,180.89	1/4	1,565.25	1/4	1,950.86	1/4	2,336.46	1/4	2,722.06	1/4	3,107.10	1/4	3,491.91
1/2	38.43	1/2	417.79	1/2	803.38	1/2	1,188.90	1/2	1,573.29	1/2	1,958.89	1/2	2,344.49	1/2	2,730.10	1/2	3,115.12	1/2	3,499.92
3/4	44.45	3/4	425.82	3/4	811.41	3/4	1,196.92	3/4	1,581.32	3/4	1,966.92	3/4	2,352.53	3/4	2,738.13	3/4	3,123.14	3/4	3,507.94
1	50.48	1	433.85	1	819.45	1	1,204.93	1	1,589.35	1	1,974.96	1	2,360.56	1	2,746.16	1	3,131.16	1	3,515.96
1/4	57.99	1/4	441.89	1/4	827.48	1/4	1,212.93	1/4	1,597.39	1/4	1,982.99	1/4	2,368.59	1/4	2,754.20	1/4	3,139.18	1/4	3,523.97
1/2	65.50	1/2	449.92	1/2	835.51	1/2	1,220.93	1/2	1,605.42	1/2	1,991.02	1/2	2,376.63	1/2	2,762.23	1/2	3,147.20	1/2	3,531.99
3/4	73.01	3/4	457.95	3/4	843.55	3/4	1,228.94	3/4	1,613.45	3/4	1,999.06	3/4	2,384.66	3/4	2,770.26	3/4	3,155.22	3/4	3,540.00
2	80.52	2	465.99	2	851.58	2	1,236.94	2	1,621.49	2	2,007.09	2	2,392.69	2	2,778.30	2	3,163.24	2	3,548.02
1/4	88.53	1/4	474.02	1/4	859.61	1/4	1,244.94	1/4	1,629.52	1/4	2,015.12	1/4	2,400.73	1/4	2,786.32	1/4	3,171.26	1/4	3,556.04
1/2	96.54	1/2	482.05	1/2	867.65	1/2	1,252.94	1/2	1,637.55	1/2	2,023.16	1/2	2,408.76	1/2	2,794.35	1/2	3,179.28	1/2	3,564.05
3/4	104.55	3/4	490.09	3/4	875.68	3/4	1,260.94	3/4	1,645.59	3/4	2,031.19	3/4	2,416.79	3/4	2,802.38	3/4	3,187.29	3/4	3,572.07
3	112.55	3	498.12	3	883.71	3	1,268.94	3	1,653.62	3	2,039.22	3	2,424.83	3	2,810.41	3	3,195.31	3	3,580.08
1/4	120.58	1/4	506.15	1/4	891.75	1/4	1,276.94	1/4	1,661.65	1/4	2,047.26	1/4	2,432.86	1/4	2,818.42	1/4	3,203.33	1/4	3,588.10
1/2	128.61	1/2	514.19	1/2	899.78	1/2	1,284.94	1/2	1,669.69	1/2	2,055.29	1/2	2,440.89	1/2	2,826.44	1/2	3,211.35	1/2	3,596.12
3/4	136.63	3/4	522.22	3/4	907.81	3/4	1,292.94	3/4	1,677.72	3/4	2,063.32	3/4	2,448.93	3/4	2,834.46	3/4	3,219.37	3/4	3,604.13
4	144.66	4	530.25	4	915.85	4	1,300.94	4	1,685.75	4	2,071.36	4	2,456.96	4	2,842.48	4	3,227.38	4	3,612.15
1/4	152.69	1/4	538.28	1/4	923.88	1/4	1,308.94	1/4	1,693.79	1/4	2,079.39	1/4	2,464.99	1/4	2,850.50	1/4	3,235.40	1/4	3,620.16
1/2	160.73	1/2	546.32	1/2	931.91	1/2	1,316.94	1/2	1,701.82	1/2	2,087.42	1/2	2,473.03	1/2	2,858.52	1/2	3,243.42	1/2	3,628.18
3/4	168.76	3/4	554.35	3/4	939.94	3/4	1,324.94	3/4	1,709.86	3/4	2,095.46	3/4	2,481.06	3/4	2,866.54	3/4	3,251.43	3/4	3,636.19
5	176.79	5	562.38	5	947.98	5	1,332.94	5	1,717.89	5	2,103.49	5	2,489.09	5	2,874.56	5	3,259.45	5	3,644.21
1/4	184.82	1/4	570.42	1/4	956.01	1/4	1,340.94	1/4	1,725.92	1/4	2,111.53	1/4	2,497.13	1/4	2,882.58	1/4	3,267.46	1/4	3,652.23
1/2	192.86	1/2	578.45	1/2	964.04	1/2	1,348.94	1/2	1,733.96	1/2	2,119.56	1/2	2,505.16	1/2	2,890.59	1/2	3,275.48	1/2	3,660.24
3/4	200.89	3/4	586.48	3/4	972.08	3/4	1,356.94	3/4	1,741.99	3/4	2,127.59	3/4	2,513.20	3/4	2,898.61	3/4	3,283.49	3/4	3,668.26
6	208.92	6	594.52	6	980.11	6	1,364.94	6	1,750.02	6	2,135.63	6	2,521.23	6	2,906.63	6	3,291.51	6	3,676.27
1/4	216.96	1/4	602.55	1/4	988.14	1/4	1,372.94	1/4	1,758.06	1/4	2,143.66	1/4	2,529.26	1/4	2,914.65	1/4	3,299.53	1/4	3,684.29
1/2	224.99	1/2	610.58	1/2	996.18	1/2	1,380.94	1/2	1,766.09	1/2	2,151.69	1/2	2,537.30	1/2	2,922.67	1/2	3,307.54	1/2	3,692.31
3/4	233.02	3/4	618.62	3/4	1,004.21	3/4	1,388.94	3/4	1,774.12	3/4	2,159.73	3/4	2,545.33	3/4	2,930.69	3/4	3,315.56	3/4	3,700.32
7	241.06	7	626.65	7	1,012.24	7	1,396.94	7	1,782.16	7	2,167.76	7	2,553.36	7	2,938.71	7	3,323.57	7	3,708.34
1/4	249.09	1/4	634.68	1/4	1,020.28	1/4	1,404.94	1/4	1,790.19	1/4	2,175.79	1/4	2,561.40	1/4	2,946.73	1/4	3,331.59	1/4	3,716.35
1/2	257.12	1/2	642.72	1/2	1,028.31	1/2	1,412.94	1/2	1,798.22	1/2	2,183.83	1/2	2,569.43	1/2	2,954.75	1/2	3,339.61	1/2	3,724.37
3/4	265.16	3/4	650.75	3/4	1,036.34	3/4	1,420.94	3/4	1,806.26	3/4	2,191.86	3/4	2,577.46	3/4	2,962.76	3/4	3,347.62	3/4	3,732.39
8	273.19	8	658.78	8	1,044.38	8	1,428.94	8	1,814.29	8	2,199.89	8	2,585.50	8	2,970.78	8	3,355.64	8	3,740.40
1/4	281.22	1/4	666.82	1/4	1,052.41	1/4	1,436.94	1/4	1,822.32	1/4	2,207.93	1/4	2,593.53	1/4	2,978.80	1/4	3,363.65	1/4	3,748.42
1/2	289.26	1/2	674.85	1/2	1,060.44	1/2	1,444.94	1/2	1,830.36	1/2	2,215.96	1/2	2,601.56	1/2	2,986.82	1/2	3,371.67	1/2	3,756.43
3/4	297.29	3/4	682.88	3/4	1,068.48	3/4	1,452.94	3/4	1,838.39	3/4	2,223.99	3/4	2,609.60	3/4	2,994.84	3/4	3,379.69	3/4	3,764.45
9	305.32	9	690.92	9	1,076.51	9	1,460.94	9	1,846.42	9	2,232.03	9	2,617.63	9	3,002.86	9	3,387.70	9	3,772.46
1/4	313.36	1/4	698.95	1/4	1,084.54	1/4	1,468.95	1/4	1,854.46	1/4	2,240.06	1/4	2,625.66	1/4	3,010.88	1/4	3,395.72	1/4	3,780.48
1/2	321.39	1/2	706.98	1/2	1,092.58	1/2	1,476.96	1/2	1,862.49	1/2	2,248.09	1/2	2,633.70	1/2	3,018.90	1/2	3,403.73	1/2	3,788.50
3/4	329.42	3/4	715.02	3/4	1,100.61	3/4	1,484.97	3/4	1,870.52	3/4	2,256.13	3/4	2,641.73	3/4	3,026.92	3/4	3,411.75	3/4	3,796.51
10	337.45	10	723.05	10	1,108.64	10	1,492.98	10	1,878.56	10	2,264.16	10	2,649.76	10	3,034.93	10	3,419.77	10	3,804.53
1/4	345.49	1/4	731.08	1/4	1,116.68	1/4	1,501.01	1/4	1,886.59	1/4	2,272.19	1/4	2,657.80	1/4	3,042.95	1/4	3,427.78	1/4	3,811.40
1/2	353.52	1/2	739.11	1/2	1,124.71	1/2	1,509.03	1/2	1,894.62	1/2	2,280.23	1/2	2,665.83	1/2	3,050.97	1/2	3,435.80	1/2	3,818.27
3/4	361.55	3/4	747.15	3/4	1,132.74	3/4	1,517.06	3/4	1,902.66	3/4	2,288.26	3/4	2,673.86	3/4	3,058.99	3/4	3,443.81	3/4	3,825.14
11	369.59	11	755.18	11	1,140.77	11	1,525.09	11	1,910.69	11	2,296.29	11	2,681.90	11	3,067.01	11	3,451.83	11	3,832.01
1/4	377.62	1/4	763.21	1/4	1,148.80	1/4	1,533.12	1/4	1,918.72	1/4	2,304.33	1/4	2,689.93	1/4	3,075.03	1/4	3,459.84	1/4	3,837.73
1/2	385.65	1/2	771.25	1/2	1,156.83	1/2	1,541.15	1/2	1,926.76	1/2	2,312.36	1/2	2,697.96	1/2	3,083.05	1/2	3,467.86	1/2	3,843.46
3/4	393.69	3/4	779.28	3/4	1,164.85	3/4	1,549.19	3/4	1,934.79	3/4	2,320.39	3/4	2,706.00	3/4	3,091.07	3/4	3,475.88	3/4	3,849.18

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN WITH "HERMETIC" GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 49'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77586
<http://www.pmacorp.net>

Paul J. Pearson



BARGE "MMLP 325"

"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.

3 STBD
INNAGE TABLE

THIS SIDE FOR INNAGE FOR ULLAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	3,854.90	0	4,129.64	0	4,404.38	0	4,677.88	0	4,951.05	0		0		0		0		0	
1/4	3,860.63	1/4	4,135.36	1/4	4,410.10	1/4	4,683.57	1/4	4,956.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,866.35	1/2	4,141.09	1/2	4,415.83	1/2	4,689.26	1/2	4,961.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,872.07	3/4	4,146.81	3/4	4,421.55	3/4	4,694.95	3/4	4,967.12	3/4		3/4		3/4		3/4		3/4	
1	3,877.80	1	4,152.53	1	4,427.27	1	4,700.64	1	4,972.48	1		1		1		1		1	
1/4	3,883.52	1/4	4,158.26	1/4	4,433.00	1/4	4,706.33	1/4	4,976.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,889.24	1/2	4,163.98	1/2	4,438.72	1/2	4,712.03	1/2	4,981.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,894.97	3/4	4,169.71	3/4	4,444.44	3/4	4,717.72	3/4	4,985.53	3/4		3/4		3/4		3/4		3/4	
2	3,900.69	2	4,175.43	2	4,450.17	2	4,723.41	2	4,989.89	2		2		2		2		2	
1/4	3,906.42	1/4	4,181.15	1/4	4,455.88	1/4	4,729.10	1/4	4,992.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,912.14	1/2	4,186.88	1/2	4,461.58	1/2	4,734.79	1/2	4,995.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,917.86	3/4	4,192.60	3/4	4,467.29	3/4	4,740.48	3/4	4,998.93	3/4		3/4		3/4		3/4		3/4	
3	3,923.59	3	4,198.32	3	4,473.00	3	4,746.17	3		3		3		3		3		3	
1/4	3,929.31	1/4	4,204.05	1/4	4,478.69	1/4	4,751.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,935.03	1/2	4,209.77	1/2	4,484.38	1/2	4,757.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,940.76	3/4	4,215.50	3/4	4,490.07	3/4	4,763.25	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,946.48	4	4,221.22	4	4,495.76	4	4,768.94	4		4		4		4		4		4	
1/4	3,952.21	1/4	4,226.94	1/4	4,501.46	1/4	4,774.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,957.93	1/2	4,232.67	1/2	4,507.15	1/2	4,780.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,963.65	3/4	4,238.39	3/4	4,512.84	3/4	4,786.01	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,969.38	5	4,244.11	5	4,518.53	5	4,791.70	5		5		5		5		5		5	
1/4	3,975.10	1/4	4,249.84	1/4	4,524.22	1/4	4,797.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,980.82	1/2	4,255.56	1/2	4,529.91	1/2	4,803.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,986.55	3/4	4,261.29	3/4	4,535.60	3/4	4,808.77	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,992.27	6	4,267.01	6	4,541.29	6	4,814.47	6		6		6		6		6		6	
1/4	3,997.99	1/4	4,272.73	1/4	4,546.98	1/4	4,820.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,003.72	1/2	4,278.46	1/2	4,552.68	1/2	4,825.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,009.44	3/4	4,284.18	3/4	4,558.37	3/4	4,831.54	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,015.17	7	4,289.90	7	4,564.06	7	4,837.23	7		7		7		7		7		7	
1/4	4,020.89	1/4	4,295.63	1/4	4,569.75	1/4	4,842.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,026.61	1/2	4,301.35	1/2	4,575.44	1/2	4,848.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,032.34	3/4	4,307.07	3/4	4,581.13	3/4	4,854.30	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,038.06	8	4,312.80	8	4,586.82	8	4,859.99	8		8		8		8		8		8	
1/4	4,043.78	1/4	4,318.52	1/4	4,592.51	1/4	4,865.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,049.51	1/2	4,324.25	1/2	4,598.20	1/2	4,871.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,055.23	3/4	4,329.97	3/4	4,603.89	3/4	4,877.07	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,060.96	9	4,335.69	9	4,609.59	9	4,882.76	9		9		9		9		9		9	
1/4	4,066.68	1/4	4,341.42	1/4	4,615.28	1/4	4,888.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,072.40	1/2	4,347.14	1/2	4,620.97	1/2	4,894.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,078.13	3/4	4,352.86	3/4	4,626.66	3/4	4,899.83	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,083.85	10	4,358.59	10	4,632.35	10	4,905.52	10		10		10		10		10		10	
1/4	4,089.57	1/4	4,364.31	1/4	4,638.04	1/4	4,911.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,095.30	1/2	4,370.04	1/2	4,643.73	1/2	4,916.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,101.02	3/4	4,375.76	3/4	4,649.42	3/4	4,922.60	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,106.75	11	4,381.48	11	4,655.11	11	4,928.29	11		11		11		11		11		11	
1/4	4,112.47	1/4	4,387.21	1/4	4,660.81	1/4	4,933.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,118.19	1/2	4,392.93	1/2	4,666.50	1/2	4,939.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,123.92	3/4	4,398.65	3/4	4,672.19	3/4	4,945.36	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/11/2010 CL - SW
CALCULATED: 11/11/2010 CL
PRINTED: 11/11/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MMLP 325"

"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.

1 PORT ULLAGE TABLE

THIS SIDE FOR ULLAGE FOR INNAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	5,329.62	0	4,931.45	0	4,530.99	0	4,130.38	0	3,729.64	0	3,328.80
1/4		1/4		1/4		1/4		1/4	5,321.33	1/4	4,923.15	1/4	4,522.64	1/4	4,122.03	1/4	3,721.28	1/4	3,320.45
1/2		1/2		1/2		1/2		1/2	5,695.90	1/2	5,313.03	1/2	4,914.83	1/2	4,514.30	1/2	4,113.69	1/2	3,712.93
3/4		3/4		3/4		3/4		3/4	5,690.38	3/4	5,304.74	3/4	4,906.51	3/4	4,505.95	3/4	4,105.34	3/4	3,704.58
1		1		1		1		1	5,684.87	1	5,296.44	1	4,898.19	1	4,497.61	1	4,096.99	1	3,696.23
1/4		1/4		1/4		1/4		1/4	5,679.36	1/4	5,288.15	1/4	4,889.87	1/4	4,489.26	1/4	4,088.65	1/4	3,687.88
1/2		1/2		1/2		1/2		1/2	5,672.46	1/2	5,279.85	1/2	4,881.53	1/2	4,480.91	1/2	4,080.30	1/2	3,679.53
3/4		3/4		3/4		3/4		3/4	5,665.55	3/4	5,271.56	3/4	4,873.18	3/4	4,472.57	3/4	4,071.95	3/4	3,671.18
2		2		2		2		2	5,658.65	2	5,263.26	2	4,864.83	2	4,464.22	2	4,063.61	2	3,662.83
1/4		1/4		1/4		1/4		1/4	5,651.75	1/4	5,254.96	1/4	4,856.49	1/4	4,455.88	1/4	4,055.26	1/4	3,654.48
1/2		1/2		1/2		1/2		1/2	5,643.80	1/2	5,246.67	1/2	4,848.14	1/2	4,447.53	1/2	4,046.92	1/2	3,646.13
3/4		3/4		3/4		3/4		3/4	5,635.85	3/4	5,238.37	3/4	4,839.80	3/4	4,439.18	3/4	4,038.57	3/4	3,637.78
3		3		3		3		3	5,627.91	3	5,230.08	3	4,831.45	3	4,430.84	3	4,030.22	3	3,629.43
1/4		1/4		1/4		1/4		1/4	5,619.96	1/4	5,221.78	1/4	4,823.10	1/4	4,422.49	1/4	4,021.88	1/4	3,621.08
1/2		1/2		1/2		1/2		1/2	5,611.66	1/2	5,213.49	1/2	4,814.76	1/2	4,414.14	1/2	4,013.53	1/2	3,612.72
3/4		3/4		3/4		3/4		3/4	5,603.37	3/4	5,205.19	3/4	4,806.41	3/4	4,405.80	3/4	4,005.19	3/4	3,604.37
4		4		4		4		4	5,595.07	4	5,196.90	4	4,798.07	4	4,397.45	4	3,996.84	4	3,596.02
1/4		1/4		1/4		1/4		1/4	5,586.78	1/4	5,188.60	1/4	4,789.72	1/4	4,389.11	1/4	3,988.49	1/4	3,587.67
1/2		1/2		1/2		1/2		1/2	5,578.48	1/2	5,180.31	1/2	4,781.37	1/2	4,380.76	1/2	3,980.15	1/2	3,579.32
3/4		3/4		3/4		3/4		3/4	5,570.19	3/4	5,172.01	3/4	4,773.03	3/4	4,372.41	3/4	3,971.80	3/4	3,570.97
5		5		5		5		5	5,561.89	5	5,163.72	5	4,764.68	5	4,364.07	5	3,963.45	5	3,562.62
1/4		1/4		1/4		1/4		1/4	5,553.60	1/4	5,155.42	1/4	4,756.34	1/4	4,355.72	1/4	3,955.11	1/4	3,554.27
1/2		1/2		1/2		1/2		1/2	5,545.30	1/2	5,147.13	1/2	4,747.99	1/2	4,347.38	1/2	3,946.76	1/2	3,545.92
3/4		3/4		3/4		3/4		3/4	5,537.00	3/4	5,138.83	3/4	4,739.64	3/4	4,339.03	3/4	3,938.41	3/4	3,537.57
6		6		6		6		6	5,528.71	6	5,130.54	6	4,731.30	6	4,330.68	6	3,930.05	6	3,529.22
1/4		1/4		1/4		1/4		1/4	5,520.41	1/4	5,122.24	1/4	4,722.95	1/4	4,322.34	1/4	3,921.70	1/4	3,520.87
1/2		1/2		1/2		1/2		1/2	5,512.12	1/2	5,113.94	1/2	4,714.60	1/2	4,313.99	1/2	3,913.35	1/2	3,512.51
3/4		3/4		3/4		3/4		3/4	5,503.82	3/4	5,105.65	3/4	4,706.26	3/4	4,305.65	3/4	3,905.00	3/4	3,504.16
7		7		7		7		7	5,495.53	7	5,097.35	7	4,697.91	7	4,297.30	7	3,896.65	7	3,495.81
1/4		1/4		1/4		1/4		1/4	5,487.23	1/4	5,089.06	1/4	4,689.57	1/4	4,288.95	1/4	3,888.30	1/4	3,487.46
1/2		1/2		1/2		1/2		1/2	5,478.94	1/2	5,080.76	1/2	4,681.22	1/2	4,280.61	1/2	3,879.95	1/2	3,479.11
3/4		3/4		3/4		3/4		3/4	5,470.64	3/4	5,072.47	3/4	4,672.87	3/4	4,272.26	3/4	3,871.60	3/4	3,470.76
8		8		8		8		8	5,462.35	8	5,064.17	8	4,664.53	8	4,263.92	8	3,863.25	8	3,462.41
1/4		1/4		1/4		1/4		1/4	5,454.05	1/4	5,055.88	1/4	4,656.18	1/4	4,255.57	1/4	3,854.90	1/4	3,454.06
1/2		1/2		1/2		1/2		1/2	5,445.76	1/2	5,047.58	1/2	4,647.84	1/2	4,247.22	1/2	3,846.55	1/2	3,445.71
3/4		3/4		3/4		3/4		3/4	5,437.46	3/4	5,039.29	3/4	4,639.49	3/4	4,238.88	3/4	3,838.20	3/4	3,437.36
9		9		9		9		9	5,429.17	9	5,030.99	9	4,631.14	9	4,230.53	9	3,829.85	9	3,429.01
1/4		1/4		1/4		1/4		1/4	5,420.87	1/4	5,022.70	1/4	4,622.80	1/4	4,222.18	1/4	3,821.49	1/4	3,420.66
1/2		1/2		1/2		1/2		1/2	5,412.58	1/2	5,014.40	1/2	4,614.45	1/2	4,213.84	1/2	3,813.14	1/2	3,412.31
3/4		3/4		3/4		3/4		3/4	5,404.28	3/4	5,006.11	3/4	4,606.11	3/4	4,205.49	3/4	3,804.79	3/4	3,403.95
10		10		10		10		10	5,395.98	10	4,997.81	10	4,597.76	10	4,197.15	10	3,796.44	10	3,395.60
1/4		1/4		1/4		1/4		1/4	5,387.69	1/4	4,989.52	1/4	4,589.41	1/4	4,188.80	1/4	3,788.09	1/4	3,387.25
1/2		1/2		1/2		1/2		1/2	5,379.39	1/2	4,981.22	1/2	4,581.07	1/2	4,180.45	1/2	3,779.74	1/2	3,378.90
3/4		3/4		3/4		3/4		3/4	5,371.10	3/4	4,972.92	3/4	4,572.72	3/4	4,172.11	3/4	3,771.39	3/4	3,370.55
11		11		11		11		11	5,362.80	11	4,964.63	11	4,564.37	11	4,163.76	11	3,763.04	11	3,362.20
1/4		1/4		1/4		1/4		1/4	5,354.51	1/4	4,956.33	1/4	4,556.03	1/4	4,155.42	1/4	3,754.69	1/4	3,353.85
1/2		1/2		1/2		1/2		1/2	5,346.21	1/2	4,948.04	1/2	4,547.68	1/2	4,147.07	1/2	3,746.34	1/2	3,345.50
3/4		3/4		3/4		3/4		3/4	5,337.92	3/4	4,939.74	3/4	4,539.34	3/4	4,138.72	3/4	3,737.99	3/4	3,337.15

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT WITH "HERMETIC" GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 49'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "MMLP 325"

"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.

1 PORT
ULLAGE TABLE

THIS SIDE FOR ULLAGE FOR INNAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,927.96	0	2,527.12	0	2,126.28	0	1,725.44	0	1,325.77	0	926.97	0	526.14	0	125.33	0		0	
1/4	2,919.61	1/4	2,518.77	1/4	2,117.93	1/4	1,717.09	1/4	1,317.49	1/4	918.62	1/4	517.79	1/4	116.99	1/4		1/4	
1/2	2,911.26	1/2	2,510.42	1/2	2,109.58	1/2	1,708.74	1/2	1,309.22	1/2	910.27	1/2	509.44	1/2	108.66	1/2		1/2	
3/4	2,902.91	3/4	2,502.07	3/4	2,101.23	3/4	1,700.39	3/4	1,300.94	3/4	901.92	3/4	501.09	3/4	100.34	3/4		3/4	
1	2,894.56	1	2,493.72	1	2,092.88	1	1,692.04	1	1,292.66	1	893.56	1	492.74	1	92.02	1		1	
1/4	2,886.20	1/4	2,485.37	1/4	2,084.53	1/4	1,683.69	1/4	1,284.38	1/4	885.21	1/4	484.39	1/4	83.69	1/4		1/4	
1/2	2,877.85	1/2	2,477.02	1/2	2,076.18	1/2	1,675.34	1/2	1,276.10	1/2	876.86	1/2	476.03	1/2	75.88	1/2		1/2	
3/4	2,869.50	3/4	2,468.66	3/4	2,067.83	3/4	1,666.99	3/4	1,267.82	3/4	868.51	3/4	467.68	3/4	68.08	3/4		3/4	
2	2,861.15	2	2,460.31	2	2,059.48	2	1,658.64	2	1,259.54	2	860.16	2	459.33	2	60.27	2		2	
1/4	2,852.80	1/4	2,451.96	1/4	2,051.12	1/4	1,650.29	1/4	1,251.26	1/4	851.81	1/4	450.98	1/4	52.46	1/4		1/4	
1/2	2,844.45	1/2	2,443.61	1/2	2,042.77	1/2	1,641.94	1/2	1,242.97	1/2	843.46	1/2	442.63	1/2	46.20	1/2		1/2	
3/4	2,836.10	3/4	2,435.26	3/4	2,034.42	3/4	1,633.58	3/4	1,234.68	3/4	835.11	3/4	434.28	3/4	39.94	3/4		3/4	
3	2,827.75	3	2,426.91	3	2,026.07	3	1,625.23	3	1,226.39	3	826.76	3	425.93	3	33.68	3		3	
1/4	2,819.40	1/4	2,418.56	1/4	2,017.72	1/4	1,616.88	1/4	1,218.10	1/4	818.41	1/4	417.58	1/4	27.41	1/4		1/4	
1/2	2,811.05	1/2	2,410.21	1/2	2,009.37	1/2	1,608.53	1/2	1,209.80	1/2	810.06	1/2	409.23	1/2		1/2		1/2	
3/4	2,802.70	3/4	2,401.86	3/4	2,001.02	3/4	1,600.18	3/4	1,201.49	3/4	801.71	3/4	400.88	3/4		3/4		3/4	
4	2,794.35	4	2,393.51	4	1,992.67	4	1,591.83	4	1,193.19	4	793.36	4	392.53	4		4		4	
1/4	2,786.00	1/4	2,385.16	1/4	1,984.32	1/4	1,583.48	1/4	1,184.88	1/4	785.01	1/4	384.18	1/4		1/4		1/4	
1/2	2,777.64	1/2	2,376.81	1/2	1,975.97	1/2	1,575.14	1/2	1,176.57	1/2	776.66	1/2	375.83	1/2		1/2		1/2	
3/4	2,769.29	3/4	2,368.46	3/4	1,967.62	3/4	1,566.79	3/4	1,168.26	3/4	768.31	3/4	367.48	3/4		3/4		3/4	
5	2,760.94	5	2,360.10	5	1,959.27	5	1,558.45	5	1,159.95	5	759.96	5	359.13	5		5		5	
1/4	2,752.59	1/4	2,351.75	1/4	1,950.92	1/4	1,550.11	1/4	1,151.64	1/4	751.60	1/4	350.78	1/4		1/4		1/4	
1/2	2,744.24	1/2	2,343.40	1/2	1,942.56	1/2	1,541.78	1/2	1,143.33	1/2	743.25	1/2	342.43	1/2		1/2		1/2	
3/4	2,735.89	3/4	2,335.05	3/4	1,934.21	3/4	1,533.45	3/4	1,135.02	3/4	734.90	3/4	334.07	3/4		3/4		3/4	
6	2,727.54	6	2,326.70	6	1,925.86	6	1,525.12	6	1,126.71	6	726.55	6	325.72	6		6		6	
1/4	2,719.19	1/4	2,318.35	1/4	1,917.51	1/4	1,516.80	1/4	1,118.39	1/4	718.20	1/4	317.37	1/4		1/4		1/4	
1/2	2,710.84	1/2	2,310.00	1/2	1,909.16	1/2	1,508.48	1/2	1,110.08	1/2	709.85	1/2	309.02	1/2		1/2		1/2	
3/4	2,702.49	3/4	2,301.65	3/4	1,900.81	3/4	1,500.16	3/4	1,101.77	3/4	701.50	3/4	300.67	3/4		3/4		3/4	
7	2,694.14	7	2,293.30	7	1,892.46	7	1,491.84	7	1,093.46	7	693.15	7	292.32	7		7		7	
1/4	2,685.79	1/4	2,284.95	1/4	1,884.11	1/4	1,483.53	1/4	1,085.15	1/4	684.80	1/4	283.97	1/4		1/4		1/4	
1/2	2,677.43	1/2	2,276.60	1/2	1,875.76	1/2	1,475.21	1/2	1,076.84	1/2	676.45	1/2	275.62	1/2		1/2		1/2	
3/4	2,669.08	3/4	2,268.25	3/4	1,867.41	3/4	1,466.89	3/4	1,068.53	3/4	668.10	3/4	267.27	3/4		3/4		3/4	
8	2,660.73	8	2,259.89	8	1,859.06	8	1,458.57	8	1,060.22	8	659.75	8	258.92	8		8		8	
1/4	2,652.38	1/4	2,251.54	1/4	1,850.71	1/4	1,450.26	1/4	1,051.91	1/4	651.40	1/4	250.57	1/4		1/4		1/4	
1/2	2,644.03	1/2	2,243.19	1/2	1,842.35	1/2	1,441.94	1/2	1,043.59	1/2	643.05	1/2	242.22	1/2		1/2		1/2	
3/4	2,635.68	3/4	2,234.84	3/4	1,834.00	3/4	1,433.62	3/4	1,035.28	3/4	634.70	3/4	233.87	3/4		3/4		3/4	
9	2,627.33	9	2,226.49	9	1,825.65	9	1,425.30	9	1,026.97	9	626.35	9	225.52	9		9		9	
1/4	2,618.98	1/4	2,218.14	1/4	1,817.30	1/4	1,416.99	1/4	1,018.66	1/4	618.00	1/4	217.17	1/4		1/4		1/4	
1/2	2,610.63	1/2	2,209.79	1/2	1,808.95	1/2	1,408.68	1/2	1,010.34	1/2	609.64	1/2	208.82	1/2		1/2		1/2	
3/4	2,602.28	3/4	2,201.44	3/4	1,800.60	3/4	1,400.37	3/4	1,002.02	3/4	601.29	3/4	200.47	3/4		3/4		3/4	
10	2,593.93	10	2,193.09	10	1,792.25	10	1,392.06	10	993.70	10	593.70	10	192.11	10		10		10	
1/4	2,585.58	1/4	2,184.74	1/4	1,783.90	1/4	1,383.76	1/4	985.38	1/4	584.59	1/4	183.76	1/4		1/4		1/4	
1/2	2,577.23	1/2	2,176.39	1/2	1,775.55	1/2	1,375.47	1/2	977.04	1/2	576.24	1/2	175.41	1/2		1/2		1/2	
3/4	2,568.87	3/4	2,168.04	3/4	1,767.20	3/4	1,367.18	3/4	968.70	3/4	567.89	3/4	167.06	3/4		3/4		3/4	
11	2,560.52	11	2,159.69	11	1,758.85	11	1,358.89	11	960.36	11	559.54	11	158.71	11		11		11	
1/4	2,552.17	1/4	2,151.33	1/4	1,750.50	1/4	1,350.61	1/4	952.02	1/4	551.19	1/4	150.36	1/4		1/4		1/4	
1/2	2,543.82	1/2	2,142.98	1/2	1,742.15	1/2	1,342.33	1/2	943.67	1/2	542.84	1/2	142.02	1/2		1/2		1/2	
3/4	2,535.47	3/4	2,134.63	3/4	1,733.79	3/4	1,334.05	3/4	935.32	3/4	534.49	3/4	133.68	3/4		3/4		3/4	

STRAPPED: 11/11/2010 CL - SW
CALCULATED: 11/11/2010 CL
PRINTED: 11/11/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MMLP 325"

"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.

1 STBD
ULLAGE TABLE

THIS SIDE FOR ULLAGE FOR INNAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	5,330.35	0	4,932.26	0	4,531.90	0	4,131.37	0	3,730.70	0	3,329.95
1/4		1/4		1/4		1/4		1/4	5,322.06	1/4	4,923.97	1/4	4,523.55	1/4	4,123.03	1/4	3,722.35	1/4	3,321.60
1/2		1/2		1/2		1/2	5,696.55	1/2	5,313.77	1/2	4,915.65	1/2	4,515.21	1/2	4,114.68	1/2	3,714.00	1/2	3,313.25
3/4		3/4		3/4		3/4	5,691.04	3/4	5,305.47	3/4	4,907.34	3/4	4,506.86	3/4	4,106.34	3/4	3,705.65	3/4	3,304.90
1		1		1		1	5,685.53	1	5,297.18	1	4,899.02	1	4,498.52	1	4,097.99	1	3,697.30	1	3,296.55
1/4		1/4		1/4		1/4	5,680.02	1/4	5,288.89	1/4	4,890.70	1/4	4,490.17	1/4	4,089.65	1/4	3,688.95	1/4	3,288.20
1/2		1/2		1/2		1/2	5,673.12	1/2	5,280.59	1/2	4,882.36	1/2	4,481.83	1/2	4,081.30	1/2	3,680.60	1/2	3,279.86
3/4		3/4		3/4		3/4	5,666.21	3/4	5,272.30	3/4	4,874.01	3/4	4,473.49	3/4	4,072.96	3/4	3,672.25	3/4	3,271.51
2		2		2		2	5,659.31	2	5,264.00	2	4,865.67	2	4,465.14	2	4,064.62	2	3,663.90	2	3,263.16
1/4		1/4		1/4		1/4	5,652.41	1/4	5,255.71	1/4	4,857.32	1/4	4,456.80	1/4	4,056.27	1/4	3,655.56	1/4	3,254.81
1/2		1/2		1/2		1/2	5,644.46	1/2	5,247.42	1/2	4,848.98	1/2	4,448.45	1/2	4,047.93	1/2	3,647.21	1/2	3,246.46
3/4		3/4		3/4		3/4	5,636.52	3/4	5,239.12	3/4	4,840.63	3/4	4,440.11	3/4	4,039.58	3/4	3,638.86	3/4	3,238.11
3		3		3		3	5,628.57	3	5,230.83	3	4,832.29	3	4,431.76	3	4,031.24	3	3,630.51	3	3,229.76
1/4		1/4		1/4		1/4	5,620.63	1/4	5,222.54	1/4	4,823.95	1/4	4,423.42	1/4	4,022.89	1/4	3,622.16	1/4	3,221.41
1/2		1/2		1/2		1/2	5,612.33	1/2	5,214.24	1/2	4,815.60	1/2	4,415.08	1/2	4,014.55	1/2	3,613.81	1/2	3,213.06
3/4		3/4		3/4		3/4	5,604.04	3/4	5,205.95	3/4	4,807.26	3/4	4,406.73	3/4	4,006.20	3/4	3,605.46	3/4	3,204.71
4		4		4		4	5,595.74	4	5,197.66	4	4,798.91	4	4,398.39	4	3,997.86	4	3,597.11	4	3,196.37
1/4		1/4		1/4		1/4	5,587.45	1/4	5,189.36	1/4	4,790.57	1/4	4,390.04	1/4	3,989.52	1/4	3,588.76	1/4	3,188.02
1/2		1/2		1/2		1/2	5,579.16	1/2	5,181.07	1/2	4,782.22	1/2	4,381.70	1/2	3,981.17	1/2	3,580.42	1/2	3,179.67
3/4		3/4		3/4		3/4	5,570.86	3/4	5,172.78	3/4	4,773.88	3/4	4,373.35	3/4	3,972.82	3/4	3,572.07	3/4	3,171.32
5		5		5		5	5,562.57	5	5,164.48	5	4,765.54	5	4,365.01	5	3,964.47	5	3,563.72	5	3,162.97
1/4		1/4		1/4		1/4	5,554.28	1/4	5,156.19	1/4	4,757.19	1/4	4,356.67	1/4	3,956.12	1/4	3,555.37	1/4	3,154.62
1/2		1/2		1/2		1/2	5,545.98	1/2	5,147.90	1/2	4,748.85	1/2	4,348.32	1/2	3,947.77	1/2	3,547.02	1/2	3,146.27
3/4		3/4		3/4		3/4	5,537.69	3/4	5,139.60	3/4	4,740.50	3/4	4,339.98	3/4	3,939.42	3/4	3,538.67	3/4	3,137.92
6		6		6		6	5,529.40	6	5,131.31	6	4,732.16	6	4,331.63	6	3,931.07	6	3,530.32	6	3,129.57
1/4		1/4		1/4		1/4	5,521.10	1/4	5,123.02	1/4	4,723.81	1/4	4,323.29	1/4	3,922.72	1/4	3,521.97	1/4	3,121.23
1/2		1/2		1/2		1/2	5,512.81	1/2	5,114.72	1/2	4,715.47	1/2	4,314.94	1/2	3,914.37	1/2	3,513.62	1/2	3,112.88
3/4		3/4		3/4		3/4	5,504.52	3/4	5,106.43	3/4	4,707.13	3/4	4,306.60	3/4	3,906.02	3/4	3,505.28	3/4	3,104.53
7		7		7		7	5,496.22	7	5,098.13	7	4,698.78	7	4,298.26	7	3,897.67	7	3,496.93	7	3,096.18
1/4		1/4		1/4		1/4	5,487.93	1/4	5,089.84	1/4	4,690.44	1/4	4,289.91	1/4	3,889.32	1/4	3,488.58	1/4	3,087.83
1/2		1/2		1/2		1/2	5,479.64	1/2	5,081.55	1/2	4,682.09	1/2	4,281.57	1/2	3,880.98	1/2	3,480.23	1/2	3,079.48
3/4		3/4		3/4		3/4	5,471.34	3/4	5,073.25	3/4	4,673.75	3/4	4,273.22	3/4	3,872.63	3/4	3,471.88	3/4	3,071.13
8		8		8		8	5,463.05	8	5,064.96	8	4,665.40	8	4,264.88	8	3,864.28	8	3,463.53	8	3,062.78
1/4		1/4		1/4		1/4	5,454.76	1/4	5,056.67	1/4	4,657.06	1/4	4,256.53	1/4	3,855.93	1/4	3,455.18	1/4	3,054.43
1/2		1/2		1/2		1/2	5,446.46	1/2	5,048.37	1/2	4,648.72	1/2	4,248.19	1/2	3,847.58	1/2	3,446.83	1/2	3,046.09
3/4		3/4		3/4		3/4	5,438.17	3/4	5,040.08	3/4	4,640.37	3/4	4,239.85	3/4	3,839.23	3/4	3,438.48	3/4	3,037.74
9		9		9		9	5,429.87	9	5,031.79	9	4,632.03	9	4,231.50	9	3,830.88	9	3,430.14	9	3,029.39
1/4		1/4		1/4		1/4	5,421.58	1/4	5,023.49	1/4	4,623.68	1/4	4,223.16	1/4	3,822.53	1/4	3,421.79	1/4	3,021.04
1/2		1/2		1/2		1/2	5,413.29	1/2	5,015.20	1/2	4,615.34	1/2	4,214.81	1/2	3,814.18	1/2	3,413.44	1/2	3,012.69
3/4		3/4		3/4		3/4	5,404.99	3/4	5,006.91	3/4	4,606.99	3/4	4,206.47	3/4	3,805.84	3/4	3,405.09	3/4	3,004.34
10		10		10		10	5,396.70	10	4,998.61	10	4,598.65	10	4,198.12	10	3,797.49	10	3,396.74	10	2,995.99
1/4		1/4		1/4		1/4	5,388.41	1/4	4,990.32	1/4	4,590.31	1/4	4,189.78	1/4	3,789.14	1/4	3,388.39	1/4	2,987.64
1/2		1/2		1/2		1/2	5,380.11	1/2	4,982.03	1/2	4,581.96	1/2	4,181.44	1/2	3,780.79	1/2	3,380.04	1/2	2,979.29
3/4		3/4		3/4		3/4	5,371.82	3/4	4,973.73	3/4	4,573.62	3/4	4,173.09	3/4	3,772.44	3/4	3,371.69	3/4	2,970.95
11		11		11		11	5,363.53	11	4,965.44	11	4,565.27	11	4,164.75	11	3,764.09	11	3,363.34	11	2,962.60
1/4		1/4		1/4		1/4	5,355.23	1/4	4,957.15	1/4	4,556.93	1/4	4,156.40	1/4	3,755.74	1/4	3,355.00	1/4	2,954.25
1/2		1/2		1/2		1/2	5,346.94	1/2	4,948.85	1/2	4,548.58	1/2	4,148.06	1/2	3,747.39	1/2	3,346.65	1/2	2,945.90
3/4		3/4		3/4		3/4	5,338.65	3/4	4,940.56	3/4	4,540.24	3/4	4,139.71	3/4	3,739.04	3/4	3,338.30	3/4	2,937.55

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT WITH "HERMETIC" GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 49'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "MMLP 325"

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1 STBD
ULLAGE TABLE

THIS SIDE FOR ULLAGE FOR INNAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,929.20	0	2,528.45	0	2,127.71	0	1,726.96	0	1,327.10	0	926.76	0	526.02	0	125.31	0		0	
1/4	2,920.85	1/4	2,520.11	1/4	2,119.36	1/4	1,718.61	1/4	1,318.78	1/4	918.41	1/4	517.67	1/4	116.96	1/4		1/4	
1/2	2,912.50	1/2	2,511.76	1/2	2,111.01	1/2	1,710.26	1/2	1,310.47	1/2	910.06	1/2	509.32	1/2	108.64	1/2		1/2	
3/4	2,904.15	3/4	2,503.41	3/4	2,102.66	3/4	1,701.91	3/4	1,302.15	3/4	901.71	3/4	500.97	3/4	100.32	3/4		3/4	
1	2,895.81	1	2,495.06	1	2,094.31	1	1,693.56	1	1,293.84	1	893.36	1	492.63	1	92.00	1		1	
1/4	2,887.46	1/4	2,486.71	1/4	2,085.96	1/4	1,685.22	1/4	1,285.52	1/4	885.02	1/4	484.28	1/4	83.67	1/4		1/4	
1/2	2,879.11	1/2	2,478.36	1/2	2,077.61	1/2	1,676.87	1/2	1,277.20	1/2	876.67	1/2	475.93	1/2	75.87	1/2		1/2	
3/4	2,870.76	3/4	2,470.01	3/4	2,069.26	3/4	1,668.52	3/4	1,268.88	3/4	868.32	3/4	467.58	3/4	68.06	3/4		3/4	
2	2,862.41	2	2,461.66	2	2,060.92	2	1,660.17	2	1,260.57	2	859.97	2	459.23	2	60.26	2		2	
1/4	2,854.06	1/4	2,453.31	1/4	2,052.57	1/4	1,651.82	1/4	1,252.25	1/4	851.62	1/4	450.88	1/4	52.45	1/4		1/4	
1/2	2,845.71	1/2	2,444.97	1/2	2,044.22	1/2	1,643.47	1/2	1,243.92	1/2	843.27	1/2	442.33	1/2	46.19	1/2		1/2	
3/4	2,837.36	3/4	2,436.62	3/4	2,035.87	3/4	1,635.12	3/4	1,235.59	3/4	834.92	3/4	434.19	3/4	39.93	3/4		3/4	
3	2,829.01	3	2,428.27	3	2,027.52	3	1,626.77	3	1,227.27	3	826.57	3	425.84	3	33.67	3		3	
1/4	2,820.67	1/4	2,419.92	1/4	2,019.17	1/4	1,618.42	1/4	1,218.94	1/4	818.23	1/4	417.49	1/4	27.41	1/4		1/4	
1/2	2,812.32	1/2	2,411.57	1/2	2,010.82	1/2	1,610.08	1/2	1,210.60	1/2	809.88	1/2	409.14	1/2		1/2		1/2	
3/4	2,803.97	3/4	2,403.22	3/4	2,002.47	3/4	1,601.73	3/4	1,202.25	3/4	801.53	3/4	400.79	3/4		3/4		3/4	
4	2,795.62	4	2,394.87	4	1,994.12	4	1,593.38	4	1,193.91	4	793.18	4	392.44	4		4		4	
1/4	2,787.27	1/4	2,386.52	1/4	1,985.78	1/4	1,585.03	1/4	1,185.57	1/4	784.83	1/4	384.09	1/4		1/4		1/4	
1/2	2,778.92	1/2	2,378.17	1/2	1,977.43	1/2	1,576.69	1/2	1,177.22	1/2	776.48	1/2	375.74	1/2		1/2		1/2	
3/4	2,770.57	3/4	2,369.82	3/4	1,969.08	3/4	1,568.34	3/4	1,168.87	3/4	768.13	3/4	367.40	3/4		3/4		3/4	
5	2,762.22	5	2,361.48	5	1,960.73	5	1,560.00	5	1,160.52	5	759.78	5	359.05	5		5		5	
1/4	2,753.87	1/4	2,353.13	1/4	1,952.38	1/4	1,551.66	1/4	1,152.17	1/4	751.44	1/4	350.70	1/4		1/4		1/4	
1/2	2,745.53	1/2	2,344.78	1/2	1,944.03	1/2	1,543.34	1/2	1,143.82	1/2	743.09	1/2	342.35	1/2		1/2		1/2	
3/4	2,737.18	3/4	2,336.43	3/4	1,935.68	3/4	1,535.01	3/4	1,135.48	3/4	734.74	3/4	334.00	3/4		3/4		3/4	
6	2,728.83	6	2,328.08	6	1,927.33	6	1,526.69	6	1,127.13	6	726.39	6	325.65	6		6		6	
1/4	2,720.48	1/4	2,319.73	1/4	1,918.98	1/4	1,518.36	1/4	1,118.78	1/4	718.04	1/4	317.30	1/4		1/4		1/4	
1/2	2,712.13	1/2	2,311.38	1/2	1,910.64	1/2	1,510.05	1/2	1,110.43	1/2	709.69	1/2	308.95	1/2		1/2		1/2	
3/4	2,703.78	3/4	2,303.03	3/4	1,902.29	3/4	1,501.73	3/4	1,102.08	3/4	701.34	3/4	300.61	3/4		3/4		3/4	
7	2,695.43	7	2,294.68	7	1,893.94	7	1,493.41	7	1,093.73	7	693.00	7	292.26	7		7		7	
1/4	2,687.08	1/4	2,286.34	1/4	1,885.59	1/4	1,485.10	1/4	1,085.38	1/4	684.65	1/4	283.91	1/4		1/4		1/4	
1/2	2,678.73	1/2	2,277.99	1/2	1,877.24	1/2	1,476.78	1/2	1,077.04	1/2	676.30	1/2	275.56	1/2		1/2		1/2	
3/4	2,670.39	3/4	2,269.64	3/4	1,868.89	3/4	1,468.47	3/4	1,068.69	3/4	667.95	3/4	267.21	3/4		3/4		3/4	
8	2,662.04	8	2,261.29	8	1,860.54	8	1,460.15	8	1,060.34	8	659.60	8	258.86	8		8		8	
1/4	2,653.69	1/4	2,252.94	1/4	1,852.19	1/4	1,451.84	1/4	1,051.99	1/4	651.25	1/4	250.51	1/4		1/4		1/4	
1/2	2,645.34	1/2	2,244.59	1/2	1,843.84	1/2	1,443.52	1/2	1,043.64	1/2	642.90	1/2	242.17	1/2		1/2		1/2	
3/4	2,636.99	3/4	2,236.24	3/4	1,835.50	3/4	1,435.20	3/4	1,035.29	3/4	634.55	3/4	233.82	3/4		3/4		3/4	
9	2,628.64	9	2,227.89	9	1,827.15	9	1,426.89	9	1,026.94	9	626.21	9	225.47	9		9		9	
1/4	2,620.29	1/4	2,219.54	1/4	1,818.80	1/4	1,418.57	1/4	1,018.59	1/4	617.86	1/4	217.12	1/4		1/4		1/4	
1/2	2,611.94	1/2	2,211.20	1/2	1,810.45	1/2	1,410.26	1/2	1,010.25	1/2	609.51	1/2	208.77	1/2		1/2		1/2	
3/4	2,603.59	3/4	2,202.85	3/4	1,802.10	3/4	1,401.94	3/4	1,001.90	3/4	601.16	3/4	200.42	3/4		3/4		3/4	
10	2,595.25	10	2,194.50	10	1,793.75	10	1,393.63	10	993.55	10	593.81	10	192.07	10		10		10	
1/4	2,586.90	1/4	2,186.15	1/4	1,785.40	1/4	1,385.31	1/4	985.20	1/4	584.46	1/4	183.72	1/4		1/4		1/4	
1/2	2,578.55	1/2	2,177.80	1/2	1,777.05	1/2	1,376.99	1/2	976.85	1/2	576.11	1/2	175.38	1/2		1/2		1/2	
3/4	2,570.20	3/4	2,169.45	3/4	1,768.70	3/4	1,368.68	3/4	968.50	3/4	567.76	3/4	167.03	3/4		3/4		3/4	
11	2,561.85	11	2,161.10	11	1,760.36	11	1,360.36	11	960.15	11	559.42	11	158.68	11		11		11	
1/4	2,553.50	1/4	2,152.75	1/4	1,752.01	1/4	1,352.05	1/4	951.80	1/4	551.07	1/4	150.33	1/4		1/4		1/4	
1/2	2,545.15	1/2	2,144.40	1/2	1,743.66	1/2	1,343.73	1/2	943.46	1/2	542.72	1/2	141.99	1/2		1/2		1/2	
3/4	2,536.80	3/4	2,136.06	3/4	1,735.31	3/4	1,335.42	3/4	935.11	3/4	534.37	3/4	133.65	3/4		3/4		3/4	

STRAPPED: 11/11/2010 CL - SW
CALCULATED: 11/11/2010 CL
PRINTED: 11/11/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MMLP 325"

"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.

2 PORT ULLAGE TABLE

THIS SIDE FOR ULLAGE FOR INNAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	5,143.22	0	4,758.52	0	4,371.75	0	3,984.79	0	3,597.71	0	3,210.54
1/4		1/4		1/4		1/4		1/4	5,135.21	1/4	4,750.51	1/4	4,363.69	1/4	3,976.72	1/4	3,589.64	1/4	3,202.47
1/2		1/2		1/2		1/2		1/2	5,127.20	1/2	4,742.49	1/2	4,355.62	1/2	3,968.66	1/2	3,581.58	1/2	3,194.40
3/4		3/4		3/4		3/4		3/4	5,489.09	3/4	5,119.18	3/4	4,734.46	3/4	4,347.56	3/4	3,960.60	3/4	3,573.51
1		1		1		1		1	5,483.76	1	5,111.17	1	4,726.42	1	4,339.50	1	3,952.54	1	3,565.44
1/4		1/4		1/4		1/4		1/4	5,478.44	1/4	5,103.15	1/4	4,718.38	1/4	4,331.44	1/4	3,944.48	1/4	3,557.38
1/2		1/2		1/2		1/2		1/2	5,473.11	1/2	5,095.14	1/2	4,710.34	1/2	4,323.38	1/2	3,936.42	1/2	3,549.31
3/4		3/4		3/4		3/4		3/4	5,466.44	3/4	5,087.12	3/4	4,702.28	3/4	4,315.32	3/4	3,928.35	3/4	3,541.25
2		2		2		2		2	5,459.77	2	5,079.11	2	4,694.22	2	4,307.25	2	3,920.29	2	3,533.18
1/4		1/4		1/4		1/4		1/4	5,453.10	1/4	5,071.09	1/4	4,686.15	1/4	4,299.19	1/4	3,912.23	1/4	3,525.11
1/2		1/2		1/2		1/2		1/2	5,446.43	1/2	5,063.08	1/2	4,678.09	1/2	4,291.13	1/2	3,904.17	1/2	3,517.05
3/4		3/4		3/4		3/4		3/4	5,438.75	3/4	5,055.06	3/4	4,670.03	3/4	4,283.07	3/4	3,896.11	3/4	3,508.98
3		3		3		3		3	5,431.08	3	5,047.05	3	4,661.97	3	4,275.01	3	3,888.05	3	3,500.92
1/4		1/4		1/4		1/4		1/4	5,423.40	1/4	5,039.04	1/4	4,653.91	1/4	4,266.95	1/4	3,879.98	1/4	3,492.85
1/2		1/2		1/2		1/2		1/2	5,415.72	1/2	5,031.02	1/2	4,645.85	1/2	4,258.88	1/2	3,871.92	1/2	3,484.78
3/4		3/4		3/4		3/4		3/4	5,407.71	3/4	5,023.01	3/4	4,637.78	3/4	4,250.82	3/4	3,863.86	3/4	3,476.72
4		4		4		4		4	5,399.69	4	5,014.99	4	4,629.72	4	4,242.76	4	3,855.80	4	3,468.65
1/4		1/4		1/4		1/4		1/4	5,391.68	1/4	5,006.98	1/4	4,621.66	1/4	4,234.70	1/4	3,847.74	1/4	3,460.59
1/2		1/2		1/2		1/2		1/2	5,383.66	1/2	4,998.96	1/2	4,613.60	1/2	4,226.64	1/2	3,839.68	1/2	3,452.52
3/4		3/4		3/4		3/4		3/4	5,375.65	3/4	4,990.95	3/4	4,605.54	3/4	4,218.58	3/4	3,831.61	3/4	3,444.45
5		5		5		5		5	5,367.63	5	4,982.93	5	4,597.48	5	4,210.51	5	3,823.55	5	3,436.39
1/4		1/4		1/4		1/4		1/4	5,359.62	1/4	4,974.92	1/4	4,589.41	1/4	4,202.45	1/4	3,815.49	1/4	3,428.32
1/2		1/2		1/2		1/2		1/2	5,351.60	1/2	4,966.90	1/2	4,581.35	1/2	4,194.39	1/2	3,807.43	1/2	3,420.25
3/4		3/4		3/4		3/4		3/4	5,343.59	3/4	4,958.89	3/4	4,573.29	3/4	4,186.33	3/4	3,799.36	3/4	3,412.19
6		6		6		6		6	5,335.58	6	4,950.87	6	4,565.23	6	4,178.27	6	3,791.30	6	3,404.12
1/4		1/4		1/4		1/4		1/4	5,327.56	1/4	4,942.86	1/4	4,557.17	1/4	4,170.21	1/4	3,783.23	1/4	3,396.06
1/2		1/2		1/2		1/2		1/2	5,319.55	1/2	4,934.85	1/2	4,549.11	1/2	4,162.14	1/2	3,775.16	1/2	3,387.99
3/4		3/4		3/4		3/4		3/4	5,311.53	3/4	4,926.83	3/4	4,541.04	3/4	4,154.08	3/4	3,767.10	3/4	3,379.92
7		7		7		7		7	5,303.52	7	4,918.82	7	4,532.98	7	4,146.02	7	3,759.03	7	3,371.86
1/4		1/4		1/4		1/4		1/4	5,295.50	1/4	4,910.80	1/4	4,524.92	1/4	4,137.96	1/4	3,750.96	1/4	3,363.79
1/2		1/2		1/2		1/2		1/2	5,287.49	1/2	4,902.79	1/2	4,516.86	1/2	4,129.90	1/2	3,742.90	1/2	3,355.73
3/4		3/4		3/4		3/4		3/4	5,279.47	3/4	4,894.77	3/4	4,508.80	3/4	4,121.84	3/4	3,734.83	3/4	3,347.66
8		8		8		8		8	5,271.46	8	4,886.76	8	4,500.74	8	4,113.77	8	3,726.77	8	3,339.59
1/4		1/4		1/4		1/4		1/4	5,263.44	1/4	4,878.74	1/4	4,492.67	1/4	4,105.71	1/4	3,718.70	1/4	3,331.53
1/2		1/2		1/2		1/2		1/2	5,255.43	1/2	4,870.73	1/2	4,484.61	1/2	4,097.65	1/2	3,710.63	1/2	3,323.46
3/4		3/4		3/4		3/4		3/4	5,247.41	3/4	4,862.71	3/4	4,476.55	3/4	4,089.59	3/4	3,702.57	3/4	3,315.40
9		9		9		9		9	5,239.40	9	4,854.70	9	4,468.49	9	4,081.53	9	3,694.50	9	3,307.33
1/4		1/4		1/4		1/4		1/4	5,231.39	1/4	4,846.68	1/4	4,460.43	1/4	4,073.47	1/4	3,686.44	1/4	3,299.26
1/2		1/2		1/2		1/2		1/2	5,223.37	1/2	4,838.67	1/2	4,452.37	1/2	4,065.40	1/2	3,678.37	1/2	3,291.20
3/4		3/4		3/4		3/4		3/4	5,215.36	3/4	4,830.66	3/4	4,444.30	3/4	4,057.34	3/4	3,670.30	3/4	3,283.13
10		10		10		10		10	5,207.34	10	4,822.64	10	4,436.24	10	4,049.28	10	3,662.24	10	3,275.07
1/4		1/4		1/4		1/4		1/4	5,199.33	1/4	4,814.63	1/4	4,428.18	1/4	4,041.22	1/4	3,654.17	1/4	3,267.00
1/2		1/2		1/2		1/2		1/2	5,191.31	1/2	4,806.61	1/2	4,420.12	1/2	4,033.16	1/2	3,646.11	1/2	3,258.93
3/4		3/4		3/4		3/4		3/4	5,183.30	3/4	4,798.60	3/4	4,412.06	3/4	4,025.10	3/4	3,638.04	3/4	3,250.87
11		11		11		11		11	5,175.28	11	4,790.58	11	4,404.00	11	4,017.03	11	3,629.97	11	3,242.80
1/4		1/4		1/4		1/4		1/4	5,167.27	1/4	4,782.57	1/4	4,395.93	1/4	4,008.97	1/4	3,621.91	1/4	3,234.73
1/2		1/2		1/2		1/2		1/2	5,159.25	1/2	4,774.55	1/2	4,387.87	1/2	4,000.91	1/2	3,613.84	1/2	3,226.67
3/4		3/4		3/4		3/4		3/4	5,151.24	3/4	4,766.54	3/4	4,379.81	3/4	3,992.85	3/4	3,605.78	3/4	3,218.60

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT WITH "HERMETIC" GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 50'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "MMLP 325"

"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.

2 PORT ULLAGE TABLE

THIS SIDE FOR ULLAGE FOR INNAE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,823.36	0	2,436.19	0	2,049.02	0	1,661.85	0	1,277.36	0	903.43	0	516.27	0	129.13	0		0	
1/4	2,815.30	1/4	2,428.12	1/4	2,040.95	1/4	1,653.78	1/4	1,269.63	1/4	895.36	1/4	508.21	1/4	121.07	1/4		1/4	
1/2	2,807.23	1/2	2,420.06	1/2	2,032.89	1/2	1,645.71	1/2	1,261.90	1/2	887.30	1/2	500.14	1/2	113.01	1/2		1/2	
3/4	2,799.17	3/4	2,411.99	3/4	2,024.82	3/4	1,637.65	3/4	1,254.17	3/4	879.23	3/4	492.07	3/4	104.97	3/4		3/4	
1	2,791.10	1	2,403.93	1	2,016.75	1	1,629.58	1	1,246.45	1	871.17	1	484.01	1	96.93	1		1	
1/4	2,783.03	1/4	2,395.86	1/4	2,008.69	1/4	1,621.51	1/4	1,238.72	1/4	863.10	1/4	475.94	1/4	88.89	1/4		1/4	
1/2	2,774.97	1/2	2,387.79	1/2	2,000.62	1/2	1,613.45	1/2	1,230.99	1/2	855.04	1/2	467.88	1/2	80.85	1/2		1/2	
3/4	2,766.90	3/4	2,379.73	3/4	1,992.56	3/4	1,605.38	3/4	1,223.26	3/4	846.97	3/4	459.81	3/4	73.31	3/4		3/4	
2	2,758.83	2	2,371.66	2	1,984.49	2	1,597.32	2	1,215.53	2	838.90	2	451.75	2	65.76	2		2	
1/4	2,750.77	1/4	2,363.60	1/4	1,976.42	1/4	1,589.25	1/4	1,207.80	1/4	830.84	1/4	443.68	1/4	58.22	1/4		1/4	
1/2	2,742.70	1/2	2,355.53	1/2	1,968.36	1/2	1,581.18	1/2	1,200.07	1/2	822.77	1/2	435.61	1/2	50.68	1/2		1/2	
3/4	2,734.64	3/4	2,347.46	3/4	1,960.29	3/4	1,573.12	3/4	1,192.33	3/4	814.71	3/4	427.55	3/4	44.63	3/4		3/4	
3	2,726.57	3	2,339.40	3	1,952.22	3	1,565.05	3	1,184.59	3	806.64	3	419.48	3	38.58	3		3	
1/4	2,718.50	1/4	2,331.33	1/4	1,944.16	1/4	1,556.99	1/4	1,176.85	1/4	798.57	1/4	411.42	1/4	32.54	1/4		1/4	
1/2	2,710.44	1/2	2,323.27	1/2	1,936.09	1/2	1,548.92	1/2	1,169.11	1/2	790.51	1/2	403.35	1/2	26.49	1/2		1/2	
3/4	2,702.37	3/4	2,315.20	3/4	1,928.03	3/4	1,540.85	3/4	1,161.36	3/4	782.44	3/4	395.28	3/4		3/4		3/4	
4	2,694.31	4	2,307.13	4	1,919.96	4	1,532.79	4	1,153.60	4	774.38	4	387.22	4		4		4	
1/4	2,686.24	1/4	2,299.07	1/4	1,911.89	1/4	1,524.72	1/4	1,145.85	1/4	766.31	1/4	379.15	1/4		1/4		1/4	
1/2	2,678.17	1/2	2,291.00	1/2	1,903.83	1/2	1,516.66	1/2	1,138.09	1/2	758.25	1/2	371.09	1/2		1/2		1/2	
3/4	2,670.11	3/4	2,282.93	3/4	1,895.76	3/4	1,508.60	3/4	1,130.33	3/4	750.18	3/4	363.02	3/4		3/4		3/4	
5	2,662.04	5	2,274.87	5	1,887.70	5	1,500.54	5	1,122.57	5	742.11	5	354.96	5		5		5	
1/4	2,653.98	1/4	2,266.80	1/4	1,879.63	1/4	1,492.48	1/4	1,114.81	1/4	734.05	1/4	346.89	1/4		1/4		1/4	
1/2	2,645.91	1/2	2,258.74	1/2	1,871.56	1/2	1,484.42	1/2	1,107.05	1/2	725.98	1/2	338.82	1/2		1/2		1/2	
3/4	2,637.84	3/4	2,250.67	3/4	1,863.50	3/4	1,476.38	3/4	1,099.29	3/4	717.92	3/4	330.76	3/4		3/4		3/4	
6	2,629.78	6	2,242.60	6	1,855.43	6	1,468.33	6	1,091.53	6	709.85	6	322.69	6		6		6	
1/4	2,621.71	1/4	2,234.54	1/4	1,847.37	1/4	1,460.29	1/4	1,083.77	1/4	701.79	1/4	314.63	1/4		1/4		1/4	
1/2	2,613.64	1/2	2,226.47	1/2	1,839.30	1/2	1,452.25	1/2	1,076.01	1/2	693.72	1/2	306.56	1/2		1/2		1/2	
3/4	2,605.58	3/4	2,218.41	3/4	1,831.23	3/4	1,444.22	3/4	1,068.24	3/4	685.65	3/4	298.50	3/4		3/4		3/4	
7	2,597.51	7	2,210.34	7	1,823.17	7	1,436.18	7	1,060.48	7	677.59	7	290.43	7		7		7	
1/4	2,589.45	1/4	2,202.27	1/4	1,815.10	1/4	1,428.15	1/4	1,052.72	1/4	669.52	1/4	282.36	1/4		1/4		1/4	
1/2	2,581.38	1/2	2,194.21	1/2	1,807.03	1/2	1,420.12	1/2	1,044.96	1/2	661.46	1/2	274.30	1/2		1/2		1/2	
3/4	2,573.31	3/4	2,186.14	3/4	1,798.97	3/4	1,412.09	3/4	1,037.20	3/4	653.39	3/4	266.23	3/4		3/4		3/4	
8	2,565.25	8	2,178.08	8	1,790.90	8	1,404.05	8	1,029.44	8	645.32	8	258.17	8		8		8	
1/4	2,557.18	1/4	2,170.01	1/4	1,782.84	1/4	1,396.02	1/4	1,021.68	1/4	637.26	1/4	250.10	1/4		1/4		1/4	
1/2	2,549.12	1/2	2,161.94	1/2	1,774.77	1/2	1,387.99	1/2	1,013.92	1/2	629.19	1/2	242.03	1/2		1/2		1/2	
3/4	2,541.05	3/4	2,153.88	3/4	1,766.70	3/4	1,379.95	3/4	1,006.16	3/4	621.13	3/4	233.97	3/4		3/4		3/4	
9	2,532.98	9	2,145.81	9	1,758.64	9	1,371.92	9	998.40	9	613.06	9	225.90	9		9		9	
1/4	2,524.92	1/4	2,137.74	1/4	1,750.57	1/4	1,363.89	1/4	990.63	1/4	605.00	1/4	217.84	1/4		1/4		1/4	
1/2	2,516.85	1/2	2,129.68	1/2	1,742.51	1/2	1,355.86	1/2	982.87	1/2	596.93	1/2	209.77	1/2		1/2		1/2	
3/4	2,508.79	3/4	2,121.61	3/4	1,734.44	3/4	1,347.90	3/4	975.04	3/4	588.86	3/4	201.71	3/4		3/4		3/4	
10	2,500.72	10	2,113.55	10	1,726.37	10	1,339.94	10	967.20	10	580.80	10	193.64	10		10		10	
1/4	2,492.65	1/4	2,105.48	1/4	1,718.31	1/4	1,331.99	1/4	959.36	1/4	572.73	1/4	185.57	1/4		1/4		1/4	
1/2	2,484.59	1/2	2,097.41	1/2	1,710.24	1/2	1,324.03	1/2	951.52	1/2	564.67	1/2	177.51	1/2		1/2		1/2	
3/4	2,476.52	3/4	2,089.35	3/4	1,702.18	3/4	1,316.23	3/4	943.53	3/4	556.60	3/4	169.44	3/4		3/4		3/4	
11	2,468.46	11	2,081.28	11	1,694.11	11	1,308.42	11	935.54	11	548.53	11	161.38	11		11		11	
1/4	2,460.39	1/4	2,073.22	1/4	1,686.04	1/4	1,300.62	1/4	927.55	1/4	540.47	1/4	153.31	1/4		1/4		1/4	
1/2	2,452.32	1/2	2,065.15	1/2	1,677.98	1/2	1,292.81	1/2	919.56	1/2	532.40	1/2	145.25	1/2		1/2		1/2	
3/4	2,444.26	3/4	2,057.08	3/4	1,669.91	3/4	1,285.09	3/4	911.50	3/4	524.34	3/4	137.19	3/4		3/4		3/4	

STRAPPED: 11/11/2010 CL - SW
CALCULATED: 11/11/2010 CL
PRINTED: 11/11/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MMLP 325"

"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.

2 STBD ULLAGE TABLE

THIS SIDE FOR ULLAGE FOR INNAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"																			
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	5,159.01	0	4,774.22	0	4,387.36	0	4,000.31	0	3,613.15	0	3,225.89
1/4		1/4		1/4		1/4		1/4	5,150.99	1/4	4,766.21	1/4	4,379.30	1/4	3,992.25	1/4	3,605.08	1/4	3,217.82
1/2		1/2		1/2		1/2		1/2	5,142.98	1/2	4,758.19	1/2	4,371.23	1/2	3,984.19	1/2	3,597.01	1/2	3,209.75
3/4		3/4		3/4		3/4	5,504.96	3/4	5,134.96	3/4	4,750.15	3/4	4,363.17	3/4	3,976.12	3/4	3,588.95	3/4	3,201.69
1		1		1		1	5,499.63	1	5,126.95	1	4,742.11	1	4,355.11	1	3,968.06	1	3,580.88	1	3,193.62
1/4		1/4		1/4		1/4	5,494.31	1/4	5,118.93	1/4	4,734.07	1/4	4,347.04	1/4	3,960.00	1/4	3,572.81	1/4	3,185.55
1/2		1/2		1/2		1/2	5,488.98	1/2	5,110.91	1/2	4,726.03	1/2	4,338.98	1/2	3,951.93	1/2	3,564.74	1/2	3,177.48
3/4		3/4		3/4		3/4	5,482.31	3/4	5,102.90	3/4	4,717.97	3/4	4,330.92	3/4	3,943.87	3/4	3,556.67	3/4	3,169.41
2		2		2		2	5,475.63	2	5,094.88	2	4,709.90	2	4,322.85	2	3,935.81	2	3,548.61	2	3,161.35
1/4		1/4		1/4		1/4	5,468.96	1/4	5,086.86	1/4	4,701.84	1/4	4,314.79	1/4	3,927.74	1/4	3,540.54	1/4	3,153.28
1/2		1/2		1/2		1/2	5,462.29	1/2	5,078.85	1/2	4,693.77	1/2	4,306.73	1/2	3,919.68	1/2	3,532.47	1/2	3,145.21
3/4		3/4		3/4		3/4	5,454.61	3/4	5,070.83	3/4	4,685.71	3/4	4,298.66	3/4	3,911.62	3/4	3,524.40	3/4	3,137.14
3		3		3		3	5,446.93	3	5,062.81	3	4,677.65	3	4,290.60	3	3,903.55	3	3,516.33	3	3,129.08
1/4		1/4		1/4		1/4	5,439.25	1/4	5,054.80	1/4	4,669.58	1/4	4,282.54	1/4	3,895.49	1/4	3,508.27	1/4	3,121.01
1/2		1/2		1/2		1/2	5,431.57	1/2	5,046.78	1/2	4,661.52	1/2	4,274.47	1/2	3,887.42	1/2	3,500.20	1/2	3,112.94
3/4		3/4		3/4		3/4	5,423.55	3/4	5,038.77	3/4	4,653.46	3/4	4,266.41	3/4	3,879.36	3/4	3,492.13	3/4	3,104.87
4		4		4		4	5,415.54	4	5,030.75	4	4,645.39	4	4,258.35	4	3,871.30	4	3,484.06	4	3,096.80
1/4		1/4		1/4		1/4	5,407.52	1/4	5,022.73	1/4	4,637.33	1/4	4,250.28	1/4	3,863.23	1/4	3,476.00	1/4	3,088.74
1/2		1/2		1/2		1/2	5,399.50	1/2	5,014.72	1/2	4,629.27	1/2	4,242.22	1/2	3,855.17	1/2	3,467.93	1/2	3,080.67
3/4		3/4		3/4		3/4	5,391.49	3/4	5,006.70	3/4	4,621.20	3/4	4,234.16	3/4	3,847.11	3/4	3,459.86	3/4	3,072.60
5		5		5		5	5,383.47	5	4,998.68	5	4,613.14	5	4,226.09	5	3,839.04	5	3,451.79	5	3,064.53
1/4		1/4		1/4		1/4	5,375.45	1/4	4,990.67	1/4	4,605.08	1/4	4,218.03	1/4	3,830.98	1/4	3,443.72	1/4	3,056.46
1/2		1/2		1/2		1/2	5,367.44	1/2	4,982.65	1/2	4,597.01	1/2	4,209.96	1/2	3,822.91	1/2	3,435.66	1/2	3,048.40
3/4		3/4		3/4		3/4	5,359.42	3/4	4,974.63	3/4	4,588.95	3/4	4,201.90	3/4	3,814.85	3/4	3,427.59	3/4	3,040.33
6		6		6		6	5,351.40	6	4,966.62	6	4,580.89	6	4,193.84	6	3,806.78	6	3,419.52	6	3,032.26
1/4		1/4		1/4		1/4	5,343.39	1/4	4,958.60	1/4	4,572.82	1/4	4,185.77	1/4	3,798.71	1/4	3,411.45	1/4	3,024.19
1/2		1/2		1/2		1/2	5,335.37	1/2	4,950.58	1/2	4,564.76	1/2	4,177.71	1/2	3,790.64	1/2	3,403.38	1/2	3,016.12
3/4		3/4		3/4		3/4	5,327.36	3/4	4,942.57	3/4	4,556.70	3/4	4,169.65	3/4	3,782.58	3/4	3,395.32	3/4	3,008.06
7		7		7		7	5,319.34	7	4,934.55	7	4,548.63	7	4,161.58	7	3,774.51	7	3,387.25	7	2,999.99
1/4		1/4		1/4		1/4	5,311.32	1/4	4,926.54	1/4	4,540.57	1/4	4,153.52	1/4	3,766.44	1/4	3,379.18	1/4	2,991.92
1/2		1/2		1/2		1/2	5,303.31	1/2	4,918.52	1/2	4,532.50	1/2	4,145.46	1/2	3,758.37	1/2	3,371.11	1/2	2,983.85
3/4		3/4		3/4		3/4	5,295.29	3/4	4,910.50	3/4	4,524.44	3/4	4,137.39	3/4	3,750.30	3/4	3,363.04	3/4	2,975.79
8		8		8		8	5,287.27	8	4,902.49	8	4,516.38	8	4,129.33	8	3,742.24	8	3,354.98	8	2,967.72
1/4		1/4		1/4		1/4	5,279.26	1/4	4,894.47	1/4	4,508.31	1/4	4,121.27	1/4	3,734.17	1/4	3,346.91	1/4	2,959.65
1/2		1/2		1/2		1/2	5,271.24	1/2	4,886.45	1/2	4,500.25	1/2	4,113.20	1/2	3,726.10	1/2	3,338.84	1/2	2,951.58
3/4		3/4		3/4		3/4	5,263.22	3/4	4,878.44	3/4	4,492.19	3/4	4,105.14	3/4	3,718.03	3/4	3,330.77	3/4	2,943.51
9		9		9		9	5,255.21	9	4,870.42	9	4,484.12	9	4,097.08	9	3,709.96	9	3,322.71	9	2,935.45
1/4		1/4		1/4		1/4	5,247.19	1/4	4,862.40	1/4	4,476.06	1/4	4,089.01	1/4	3,701.90	1/4	3,314.64	1/4	2,927.38
1/2		1/2		1/2		1/2	5,239.18	1/2	4,854.39	1/2	4,468.00	1/2	4,080.95	1/2	3,693.83	1/2	3,306.57	1/2	2,919.31
3/4		3/4		3/4		3/4	5,231.16	3/4	4,846.37	3/4	4,459.93	3/4	4,072.89	3/4	3,685.76	3/4	3,298.50	3/4	2,911.24
10		10		10		10	5,223.14	10	4,838.36	10	4,451.87	10	4,064.82	10	3,677.69	10	3,290.43	10	2,903.17
1/4		1/4		1/4		1/4	5,215.13	1/4	4,830.34	1/4	4,443.81	1/4	4,056.76	1/4	3,669.62	1/4	3,282.37	1/4	2,895.11
1/2		1/2		1/2		1/2	5,207.11	1/2	4,822.32	1/2	4,435.74	1/2	4,048.69	1/2	3,661.56	1/2	3,274.30	1/2	2,887.04
3/4		3/4		3/4		3/4	5,199.09	3/4	4,814.31	3/4	4,427.68	3/4	4,040.63	3/4	3,653.49	3/4	3,266.23	3/4	2,878.97
11		11		11		11	5,191.08	11	4,806.29	11	4,419.62	11	4,032.57	11	3,645.42	11	3,258.16	11	2,870.90
1/4		1/4		1/4		1/4	5,183.06	1/4	4,798.27	1/4	4,411.55	1/4	4,024.50	1/4	3,637.35	1/4	3,250.09	1/4	2,862.83
1/2		1/2		1/2		1/2	5,175.04	1/2	4,790.26	1/2	4,403.49	1/2	4,016.44	1/2	3,629.29	1/2	3,242.03	1/2	2,854.77
3/4		3/4		3/4		3/4	5,167.03	3/4	4,782.24	3/4	4,395.43	3/4	4,008.38	3/4	3,621.22	3/4	3,233.96	3/4	2,846.70

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT WITH "HERMETIC" GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 50'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "MMLP 325"

"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.

2 STBD
ULLAGE TABLE

THIS SIDE FOR ULLAGE FOR INNAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,838.63	0	2,451.37	0	2,064.11	0	1,676.85	0	1,290.45	0	903.64	0	516.39	0	129.16	0			
1/4	2,830.56	1/4	2,443.30	1/4	2,056.04	1/4	1,668.79	1/4	1,282.42	1/4	895.57	1/4	508.32	1/4	121.10	1/4			
1/2	2,822.50	1/2	2,435.24	1/2	2,047.98	1/2	1,660.72	1/2	1,274.38	1/2	887.51	1/2	500.26	1/2	113.04	1/2			
3/4	2,814.43	3/4	2,427.17	3/4	2,039.91	3/4	1,652.65	3/4	1,266.35	3/4	879.44	3/4	492.19	3/4	104.99	3/4			
1	2,806.36	1	2,419.10	1	2,031.84	1	1,644.58	1	1,258.31	1	871.37	1	484.12	1	96.95	1			
1/4	2,798.29	1/4	2,411.03	1/4	2,023.77	1/4	1,636.51	1/4	1,250.28	1/4	863.30	1/4	476.05	1/4	88.91	1/4			
1/2	2,790.22	1/2	2,402.96	1/2	2,015.71	1/2	1,628.45	1/2	1,242.24	1/2	855.23	1/2	467.98	1/2	80.87	1/2			
3/4	2,782.16	3/4	2,394.90	3/4	2,007.64	3/4	1,620.38	3/4	1,234.21	3/4	847.17	3/4	459.92	3/4	73.32	3/4			
2	2,774.09	2	2,386.83	2	1,999.57	2	1,612.31	2	1,226.17	2	839.10	2	451.85	2	65.78	2			
1/4	2,766.02	1/4	2,378.76	1/4	1,991.50	1/4	1,604.24	1/4	1,218.13	1/4	831.03	1/4	443.78	1/4	58.24	1/4			
1/2	2,757.95	1/2	2,370.69	1/2	1,983.43	1/2	1,596.17	1/2	1,210.09	1/2	822.96	1/2	435.71	1/2	50.69	1/2			
3/4	2,749.88	3/4	2,362.62	3/4	1,975.37	3/4	1,588.11	3/4	1,202.05	3/4	814.90	3/4	427.65	3/4	44.64	3/4			
3	2,741.82	3	2,354.56	3	1,967.30	3	1,580.04	3	1,194.00	3	806.83	3	419.58	3	38.59	3			
1/4	2,733.75	1/4	2,346.49	1/4	1,959.23	1/4	1,571.97	1/4	1,185.96	1/4	798.76	1/4	411.51	1/4	32.54	1/4			
1/2	2,725.68	1/2	2,338.42	1/2	1,951.16	1/2	1,563.90	1/2	1,177.91	1/2	790.69	1/2	403.44	1/2	26.49	1/2			
3/4	2,717.61	3/4	2,330.35	3/4	1,943.09	3/4	1,555.83	3/4	1,169.85	3/4	782.63	3/4	395.38	3/4		3/4			
4	2,709.54	4	2,322.29	4	1,935.03	4	1,547.77	4	1,161.79	4	774.56	4	387.31	4		4			
1/4	2,701.48	1/4	2,314.22	1/4	1,926.96	1/4	1,539.70	1/4	1,153.73	1/4	766.49	1/4	379.24	1/4		1/4			
1/2	2,693.41	1/2	2,306.15	1/2	1,918.89	1/2	1,531.63	1/2	1,145.67	1/2	758.42	1/2	371.17	1/2		1/2			
3/4	2,685.34	3/4	2,298.08	3/4	1,910.82	3/4	1,523.57	3/4	1,137.60	3/4	750.35	3/4	363.10	3/4		3/4			
5	2,677.27	5	2,290.01	5	1,902.75	5	1,515.51	5	1,129.54	5	742.29	5	355.04	5		5			
1/4	2,669.21	1/4	2,281.95	1/4	1,894.69	1/4	1,507.45	1/4	1,121.47	1/4	734.22	1/4	346.97	1/4		1/4			
1/2	2,661.14	1/2	2,273.88	1/2	1,886.62	1/2	1,499.39	1/2	1,113.40	1/2	726.15	1/2	338.90	1/2		1/2			
3/4	2,653.07	3/4	2,265.81	3/4	1,878.55	3/4	1,491.34	3/4	1,105.33	3/4	718.08	3/4	330.83	3/4		3/4			
6	2,645.00	6	2,257.74	6	1,870.48	6	1,483.30	6	1,097.27	6	710.02	6	322.77	6		6			
1/4	2,636.93	1/4	2,249.67	1/4	1,862.42	1/4	1,475.26	1/4	1,089.20	1/4	701.95	1/4	314.70	1/4		1/4			
1/2	2,628.87	1/2	2,241.61	1/2	1,854.35	1/2	1,467.21	1/2	1,081.13	1/2	693.88	1/2	306.63	1/2		1/2			
3/4	2,620.80	3/4	2,233.54	3/4	1,846.28	3/4	1,459.18	3/4	1,073.06	3/4	685.81	3/4	298.56	3/4		3/4			
7	2,612.73	7	2,225.47	7	1,838.21	7	1,451.14	7	1,064.99	7	677.75	7	290.50	7		7			
1/4	2,604.66	1/4	2,217.40	1/4	1,830.14	1/4	1,443.11	1/4	1,056.93	1/4	669.68	1/4	282.43	1/4		1/4			
1/2	2,596.59	1/2	2,209.33	1/2	1,822.08	1/2	1,435.07	1/2	1,048.86	1/2	661.61	1/2	274.36	1/2		1/2			
3/4	2,588.53	3/4	2,201.27	3/4	1,814.01	3/4	1,427.04	3/4	1,040.79	3/4	653.54	3/4	266.29	3/4		3/4			
8	2,580.46	8	2,193.20	8	1,805.94	8	1,419.00	8	1,032.72	8	645.47	8	258.22	8		8			
1/4	2,572.39	1/4	2,185.13	1/4	1,797.87	1/4	1,410.97	1/4	1,024.66	1/4	637.41	1/4	250.16	1/4		1/4			
1/2	2,564.32	1/2	2,177.06	1/2	1,789.80	1/2	1,402.94	1/2	1,016.59	1/2	629.34	1/2	242.09	1/2		1/2			
3/4	2,556.25	3/4	2,169.00	3/4	1,781.74	3/4	1,394.90	3/4	1,008.52	3/4	621.27	3/4	234.02	3/4		3/4			
9	2,548.19	9	2,160.93	9	1,773.67	9	1,386.87	9	1,000.45	9	613.20	9	225.95	9		9			
1/4	2,540.12	1/4	2,152.86	1/4	1,765.60	1/4	1,378.83	1/4	992.39	1/4	605.14	1/4	217.89	1/4		1/4			
1/2	2,532.05	1/2	2,144.79	1/2	1,757.53	1/2	1,370.80	1/2	984.32	1/2	597.07	1/2	209.82	1/2		1/2			
3/4	2,523.98	3/4	2,136.72	3/4	1,749.46	3/4	1,362.76	3/4	976.25	3/4	589.00	3/4	201.75	3/4		3/4			
10	2,515.92	10	2,128.66	10	1,741.40	10	1,354.73	10	968.18	10	580.93	10	193.68	10		10			
1/4	2,507.85	1/4	2,120.59	1/4	1,733.33	1/4	1,346.69	1/4	960.11	1/4	572.86	1/4	185.62	1/4		1/4			
1/2	2,499.78	1/2	2,112.52	1/2	1,725.26	1/2	1,338.66	1/2	952.05	1/2	564.80	1/2	177.55	1/2		1/2			
3/4	2,491.71	3/4	2,104.45	3/4	1,717.19	3/4	1,330.62	3/4	943.98	3/4	556.73	3/4	169.48	3/4		3/4			
11	2,483.64	11	2,096.38	11	1,709.13	11	1,322.59	11	935.91	11	548.66	11	161.41	11		11			
1/4	2,475.58	1/4	2,088.32	1/4	1,701.06	1/4	1,314.55	1/4	927.84	1/4	540.59	1/4	153.35	1/4		1/4			
1/2	2,467.51	1/2	2,080.25	1/2	1,692.99	1/2	1,306.52	1/2	919.78	1/2	532.53	1/2	145.28	1/2		1/2			
3/4	2,459.44	3/4	2,072.18	3/4	1,684.92	3/4	1,298.49	3/4	911.71	3/4	524.46	3/4	137.22	3/4		3/4			

STRAPPED: 11/11/2010 CL - SW
CALCULATED: 11/11/2010 CL
PRINTED: 11/11/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "MMLP 325"

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3 PORT ULLAGE TABLE

THIS SIDE FOR ULLAGE FOR INNAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,730.26	0	4,457.08	0	4,182.44	0	3,907.71	0	3,566.83	0	3,182.62
1/4		1/4		1/4		1/4		1/4	4,724.57	1/4	4,451.39	1/4	4,176.72	1/4	3,901.98	1/4	3,558.83	1/4	3,174.62
1/2		1/2		1/2		1/2	4,977.32	1/2	4,718.87	1/2	4,445.69	1/2	4,171.00	1/2	3,896.26	1/2	3,550.82	1/2	3,166.61
3/4		3/4		3/4		3/4	4,974.30	3/4	4,713.18	3/4	4,439.98	3/4	4,165.27	3/4	3,890.54	3/4	3,542.82	3/4	3,158.60
1		1		1		1	4,971.29	1	4,707.49	1	4,434.27	1	4,159.55	1	3,884.81	1	3,534.82	1	3,150.60
1/4		1/4		1/4		1/4	4,968.28	1/4	4,701.80	1/4	4,428.56	1/4	4,153.83	1/4	3,879.09	1/4	3,526.81	1/4	3,142.59
1/2		1/2		1/2		1/2	4,963.92	1/2	4,696.11	1/2	4,422.84	1/2	4,148.10	1/2	3,873.36	1/2	3,518.81	1/2	3,134.58
3/4		3/4		3/4		3/4	4,959.57	3/4	4,690.42	3/4	4,417.12	3/4	4,142.38	3/4	3,867.64	3/4	3,510.80	3/4	3,126.57
2		2		2		2	4,955.22	2	4,684.73	2	4,411.39	2	4,136.65	2	3,861.92	2	3,502.80	2	3,118.57
1/4		1/4		1/4		1/4	4,950.87	1/4	4,679.04	1/4	4,405.67	1/4	4,130.93	1/4	3,856.19	1/4	3,494.79	1/4	3,110.56
1/2		1/2		1/2		1/2	4,945.51	1/2	4,673.35	1/2	4,399.94	1/2	4,125.21	1/2	3,850.47	1/2	3,486.79	1/2	3,102.55
3/4		3/4		3/4		3/4	4,940.16	3/4	4,667.65	3/4	4,394.22	3/4	4,119.48	3/4	3,844.75	3/4	3,478.79	3/4	3,094.55
3		3		3		3	4,934.80	3	4,661.96	3	4,388.50	3	4,113.76	3	3,839.02	3	3,470.78	3	3,086.54
1/4		1/4		1/4		1/4	4,929.44	1/4	4,656.27	1/4	4,382.77	1/4	4,108.04	1/4	3,833.30	1/4	3,462.78	1/4	3,078.53
1/2		1/2		1/2		1/2	4,923.75	1/2	4,650.58	1/2	4,377.05	1/2	4,102.31	1/2	3,827.57	1/2	3,454.77	1/2	3,070.52
3/4		3/4		3/4		3/4	4,918.06	3/4	4,644.89	3/4	4,371.33	3/4	4,096.59	3/4	3,821.85	3/4	3,446.77	3/4	3,062.52
4		4		4		4	4,912.37	4	4,639.20	4	4,365.60	4	4,090.86	4	3,816.13	4	3,438.77	4	3,054.51
1/4		1/4		1/4		1/4	4,906.68	1/4	4,633.51	1/4	4,359.88	1/4	4,085.14	1/4	3,810.40	1/4	3,430.76	1/4	3,046.50
1/2		1/2		1/2		1/2	4,900.99	1/2	4,627.82	1/2	4,354.15	1/2	4,079.42	1/2	3,803.54	1/2	3,422.76	1/2	3,038.50
3/4		3/4		3/4		3/4	4,895.30	3/4	4,622.13	3/4	4,348.43	3/4	4,073.69	3/4	3,796.67	3/4	3,414.75	3/4	3,030.49
5		5		5		5	4,889.61	5	4,616.43	5	4,342.71	5	4,067.97	5	3,789.81	5	3,406.75	5	3,022.48
1/4		1/4		1/4		1/4	4,883.92	1/4	4,610.74	1/4	4,336.98	1/4	4,062.25	1/4	3,782.95	1/4	3,398.74	1/4	3,014.47
1/2		1/2		1/2		1/2	4,878.22	1/2	4,605.05	1/2	4,331.26	1/2	4,056.52	1/2	3,774.94	1/2	3,390.74	1/2	3,006.47
3/4		3/4		3/4		3/4	4,872.53	3/4	4,599.36	3/4	4,325.54	3/4	4,050.80	3/4	3,766.94	3/4	3,382.74	3/4	2,998.46
6		6		6		6	4,866.84	6	4,593.67	6	4,319.81	6	4,045.07	6	3,758.93	6	3,374.73	6	2,990.45
1/4		1/4		1/4		1/4	4,861.15	1/4	4,587.98	1/4	4,314.09	1/4	4,039.35	1/4	3,750.93	1/4	3,366.73	1/4	2,982.45
1/2		1/2		1/2		1/2	4,855.46	1/2	4,582.29	1/2	4,308.37	1/2	4,033.63	1/2	3,742.92	1/2	3,358.72	1/2	2,974.44
3/4		3/4		3/4		3/4	4,849.77	3/4	4,576.60	3/4	4,302.64	3/4	4,027.90	3/4	3,734.92	3/4	3,350.72	3/4	2,966.43
7		7		7		7	4,844.08	7	4,570.91	7	4,296.92	7	4,022.18	7	3,726.92	7	3,342.71	7	2,958.42
1/4		1/4		1/4		1/4	4,838.39	1/4	4,565.21	1/4	4,291.19	1/4	4,016.46	1/4	3,718.91	1/4	3,334.71	1/4	2,950.42
1/2		1/2		1/2		1/2	4,832.70	1/2	4,559.52	1/2	4,285.47	1/2	4,010.73	1/2	3,710.91	1/2	3,326.71	1/2	2,942.41
3/4		3/4		3/4		3/4	4,827.01	3/4	4,553.83	3/4	4,279.75	3/4	4,005.01	3/4	3,702.90	3/4	3,318.70	3/4	2,934.40
8		8		8		8	4,821.31	8	4,548.14	8	4,274.02	8	3,999.29	8	3,694.90	8	3,310.70	8	2,926.39
1/4		1/4		1/4		1/4	4,815.62	1/4	4,542.45	1/4	4,268.30	1/4	3,993.56	1/4	3,686.90	1/4	3,302.69	1/4	2,918.39
1/2		1/2		1/2		1/2	4,809.93	1/2	4,536.76	1/2	4,262.58	1/2	3,987.84	1/2	3,678.89	1/2	3,294.69	1/2	2,910.38
3/4		3/4		3/4		3/4	4,804.24	3/4	4,531.07	3/4	4,256.85	3/4	3,982.11	3/4	3,670.89	3/4	3,286.69	3/4	2,902.37
9		9		9		9	4,798.55	9	4,525.38	9	4,251.13	9	3,976.39	9	3,662.88	9	3,278.68	9	2,894.37
1/4		1/4		1/4		1/4	4,792.86	1/4	4,519.69	1/4	4,245.40	1/4	3,970.67	1/4	3,654.88	1/4	3,270.68	1/4	2,886.36
1/2		1/2		1/2		1/2	4,787.17	1/2	4,513.99	1/2	4,239.68	1/2	3,964.94	1/2	3,646.87	1/2	3,262.67	1/2	2,878.35
3/4		3/4		3/4		3/4	4,781.48	3/4	4,508.30	3/4	4,233.96	3/4	3,959.22	3/4	3,638.87	3/4	3,254.67	3/4	2,870.34
10		10		10		10	4,775.79	10	4,502.61	10	4,228.23	10	3,953.50	10	3,630.87	10	3,246.66	10	2,862.34
1/4		1/4		1/4		1/4	4,770.09	1/4	4,496.92	1/4	4,222.51	1/4	3,947.77	1/4	3,622.86	1/4	3,238.66	1/4	2,854.33
1/2		1/2		1/2		1/2	4,764.40	1/2	4,491.23	1/2	4,216.79	1/2	3,942.05	1/2	3,614.86	1/2	3,230.66	1/2	2,846.32
3/4		3/4		3/4		3/4	4,758.71	3/4	4,485.54	3/4	4,211.06	3/4	3,936.32	3/4	3,606.85	3/4	3,222.65	3/4	2,838.32
11		11		11		11	4,753.02	11	4,479.85	11	4,205.34	11	3,930.60	11	3,598.85	11	3,214.65	11	2,830.31
1/4		1/4		1/4		1/4	4,747.33	1/4	4,474.16	1/4	4,199.61	1/4	3,924.88	1/4	3,590.84	1/4	3,206.64	1/4	2,822.30
1/2		1/2		1/2		1/2	4,741.64	1/2	4,468.47	1/2	4,193.89	1/2	3,919.15	1/2	3,582.84	1/2	3,198.64	1/2	2,814.29
3/4		3/4		3/4		3/4	4,735.95	3/4	4,462.77	3/4	4,188.17	3/4	3,913.43	3/4	3,574.84	3/4	3,190.63	3/4	2,806.29

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT WITH "HERMETIC" GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 49'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "MMLP 325"

"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.

3 PORT
ULLAGE TABLE

THIS SIDE FOR ULLAGE FOR INNAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,798.28	0	2,413.28	0	2,028.85	0	1,645.88	0	1,269.50	0	890.32	0	505.30	0	120.30	0		0	
1/4	2,790.27	1/4	2,405.26	1/4	2,020.88	1/4	1,637.85	1/4	1,261.80	1/4	882.30	1/4	497.28	1/4	112.29	1/4		1/4	
1/2	2,782.26	1/2	2,397.24	1/2	2,012.92	1/2	1,629.83	1/2	1,254.10	1/2	874.27	1/2	489.26	1/2	104.29	1/2		1/2	
3/4	2,774.25	3/4	2,389.22	3/4	2,004.95	3/4	1,621.81	3/4	1,246.40	3/4	866.25	3/4	481.24	3/4	96.30	3/4		3/4	
1	2,766.23	1	2,381.19	1	1,996.99	1	1,613.79	1	1,238.70	1	858.23	1	473.21	1	88.30	1		1	
1/4	2,758.22	1/4	2,373.17	1/4	1,989.02	1/4	1,605.77	1/4	1,231.00	1/4	850.21	1/4	465.19	1/4	80.31	1/4		1/4	
1/2	2,750.20	1/2	2,365.15	1/2	1,981.05	1/2	1,597.75	1/2	1,223.30	1/2	842.19	1/2	457.17	1/2	72.81	1/2		1/2	
3/4	2,742.17	3/4	2,357.13	3/4	1,973.09	3/4	1,589.72	3/4	1,215.60	3/4	834.17	3/4	449.15	3/4	65.31	3/4		3/4	
2	2,734.15	2	2,349.11	2	1,965.12	2	1,581.70	2	1,207.90	2	826.15	2	441.13	2	57.81	2		2	
1/4	2,726.13	1/4	2,341.08	1/4	1,957.16	1/4	1,573.68	1/4	1,200.19	1/4	818.13	1/4	433.11	1/4	50.31	1/4		1/4	
1/2	2,718.11	1/2	2,333.06	1/2	1,949.19	1/2	1,565.66	1/2	1,192.46	1/2	810.11	1/2	425.09	1/2	44.30	1/2		1/2	
3/4	2,710.09	3/4	2,325.04	3/4	1,941.23	3/4	1,557.64	3/4	1,184.73	3/4	802.08	3/4	417.07	3/4	38.29	3/4		3/4	
3	2,702.07	3	2,317.02	3	1,933.26	3	1,549.61	3	1,177.00	3	794.06	3	409.05	3	32.27	3		3	
1/4	2,694.04	1/4	2,309.00	1/4	1,925.29	1/4	1,541.59	1/4	1,169.27	1/4	786.04	1/4	401.02	1/4	26.26	1/4		1/4	
1/2	2,686.02	1/2	2,300.98	1/2	1,917.33	1/2	1,533.57	1/2	1,161.48	1/2	778.02	1/2	393.00	1/2		1/2		1/2	
3/4	2,678.00	3/4	2,292.95	3/4	1,909.36	3/4	1,525.55	3/4	1,153.70	3/4	770.00	3/4	384.98	3/4		3/4		3/4	
4	2,669.98	4	2,284.93	4	1,901.40	4	1,517.53	4	1,145.91	4	761.98	4	376.96	4		4		4	
1/4	2,661.96	1/4	2,276.91	1/4	1,893.43	1/4	1,509.51	1/4	1,138.13	1/4	753.96	1/4	368.94	1/4		1/4		1/4	
1/2	2,653.93	1/2	2,268.89	1/2	1,885.47	1/2	1,501.56	1/2	1,130.26	1/2	745.94	1/2	360.92	1/2		1/2		1/2	
3/4	2,645.91	3/4	2,260.87	3/4	1,877.50	3/4	1,493.62	3/4	1,122.40	3/4	737.91	3/4	352.90	3/4		3/4		3/4	
5	2,637.89	5	2,252.84	5	1,869.53	5	1,485.68	5	1,114.53	5	729.89	5	344.88	5		5		5	
1/4	2,629.87	1/4	2,244.82	1/4	1,861.57	1/4	1,477.74	1/4	1,106.67	1/4	721.87	1/4	336.85	1/4		1/4		1/4	
1/2	2,621.85	1/2	2,236.80	1/2	1,853.60	1/2	1,469.95	1/2	1,098.70	1/2	713.85	1/2	328.83	1/2		1/2		1/2	
3/4	2,613.83	3/4	2,228.78	3/4	1,845.64	3/4	1,462.17	3/4	1,090.73	3/4	705.83	3/4	320.81	3/4		3/4		3/4	
6	2,605.80	6	2,220.76	6	1,837.67	6	1,454.39	6	1,082.76	6	697.81	6	312.79	6		6		6	
1/4	2,597.78	1/4	2,212.74	1/4	1,829.70	1/4	1,446.61	1/4	1,074.79	1/4	689.79	1/4	304.77	1/4		1/4		1/4	
1/2	2,589.76	1/2	2,204.71	1/2	1,821.74	1/2	1,438.91	1/2	1,066.77	1/2	681.77	1/2	296.75	1/2		1/2		1/2	
3/4	2,581.74	3/4	2,196.69	3/4	1,813.77	3/4	1,431.21	3/4	1,058.75	3/4	673.74	3/4	288.73	3/4		3/4		3/4	
7	2,573.72	7	2,188.67	7	1,805.81	7	1,423.51	7	1,050.73	7	665.72	7	280.71	7		7		7	
1/4	2,565.69	1/4	2,180.65	1/4	1,797.84	1/4	1,415.81	1/4	1,042.71	1/4	657.70	1/4	272.68	1/4		1/4		1/4	
1/2	2,557.67	1/2	2,172.63	1/2	1,789.88	1/2	1,408.11	1/2	1,034.69	1/2	649.68	1/2	264.66	1/2		1/2		1/2	
3/4	2,549.65	3/4	2,164.60	3/4	1,781.91	3/4	1,400.41	3/4	1,026.67	3/4	641.66	3/4	256.64	3/4		3/4		3/4	
8	2,541.63	8	2,156.58	8	1,773.94	8	1,392.71	8	1,018.64	8	633.64	8	248.62	8		8		8	
1/4	2,533.61	1/4	2,148.56	1/4	1,765.98	1/4	1,385.01	1/4	1,010.62	1/4	625.62	1/4	240.60	1/4		1/4		1/4	
1/2	2,525.59	1/2	2,140.55	1/2	1,758.00	1/2	1,377.31	1/2	1,002.60	1/2	617.60	1/2	232.58	1/2		1/2		1/2	
3/4	2,517.56	3/4	2,132.55	3/4	1,750.02	3/4	1,369.61	3/4	994.58	3/4	609.58	3/4	224.56	3/4		3/4		3/4	
9	2,509.54	9	2,124.54	9	1,742.04	9	1,361.91	9	986.56	9	601.55	9	216.54	9		9		9	
1/4	2,501.52	1/4	2,116.53	1/4	1,734.06	1/4	1,354.21	1/4	978.54	1/4	593.53	1/4	208.52	1/4		1/4		1/4	
1/2	2,493.50	1/2	2,108.55	1/2	1,726.05	1/2	1,346.51	1/2	970.52	1/2	585.51	1/2	200.49	1/2		1/2		1/2	
3/4	2,485.48	3/4	2,100.57	3/4	1,718.04	3/4	1,338.81	3/4	962.50	3/4	577.49	3/4	192.47	3/4		3/4		3/4	
10	2,477.46	10	2,092.59	10	1,710.04	10	1,331.10	10	954.48	10	569.47	10	184.45	10		10		10	
1/4	2,469.43	1/4	2,084.61	1/4	1,702.03	1/4	1,323.40	1/4	946.46	1/4	561.45	1/4	176.43	1/4		1/4		1/4	
1/2	2,461.41	1/2	2,076.64	1/2	1,694.01	1/2	1,315.70	1/2	938.44	1/2	553.43	1/2	168.41	1/2		1/2		1/2	
3/4	2,453.39	3/4	2,068.68	3/4	1,685.99	3/4	1,308.00	3/4	930.42	3/4	545.41	3/4	160.39	3/4		3/4		3/4	
11	2,445.37	11	2,060.71	11	1,677.96	11	1,300.30	11	922.40	11	537.38	11	152.37	11		11		11	
1/4	2,437.35	1/4	2,052.75	1/4	1,669.94	1/4	1,292.60	1/4	914.38	1/4	529.36	1/4	144.35	1/4		1/4		1/4	
1/2	2,429.32	1/2	2,044.78	1/2	1,661.92	1/2	1,284.90	1/2	906.36	1/2	521.34	1/2	136.33	1/2		1/2		1/2	
3/4	2,421.30	3/4	2,036.82	3/4	1,653.90	3/4	1,277.20	3/4	898.34	3/4	513.32	3/4	128.32	3/4		3/4		3/4	

STRAPPED: 11/11/2010 CL - SW
CALCULATED: 11/11/2010 CL
PRINTED: 11/11/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "MMLP 325"

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3 STBD ULLAGE TABLE

THIS SIDE FOR ULLAGE FOR INNAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,751.86	0	4,478.69	0	4,204.05	0	3,929.31	0	3,588.10	0	3,203.33
1/4		1/4		1/4		1/4		1/4	4,746.17	1/4	4,473.00	1/4	4,198.32	1/4	3,923.59	1/4	3,580.08	1/4	3,195.31
1/2		1/2		1/2		1/2		1/2	4,998.93	1/2	4,740.48	1/2	4,467.29	1/2	4,192.60	1/2	3,572.07	1/2	3,187.29
3/4		3/4		3/4		3/4		3/4	4,995.91	3/4	4,734.79	3/4	4,461.58	3/4	4,186.88	3/4	3,912.14	3/4	3,564.05
1		1		1		1		1	4,992.90	1	4,729.10	1	4,455.88	1	4,181.15	1	3,906.42	1	3,556.04
1/4		1/4		1/4		1/4		1/4	4,989.89	1/4	4,723.41	1/4	4,450.17	1/4	4,175.43	1/4	3,900.69	1/4	3,548.02
1/2		1/2		1/2		1/2		1/2	4,985.53	1/2	4,717.72	1/2	4,444.44	1/2	4,169.71	1/2	3,894.97	1/2	3,540.00
3/4		3/4		3/4		3/4		3/4	4,981.18	3/4	4,712.03	3/4	4,438.72	3/4	4,163.98	3/4	3,889.24	3/4	3,531.99
2		2		2		2		2	4,976.83	2	4,706.33	2	4,433.00	2	4,158.26	2	3,883.52	2	3,523.97
1/4		1/4		1/4		1/4		1/4	4,972.48	1/4	4,700.64	1/4	4,427.27	1/4	4,152.53	1/4	3,877.80	1/4	3,515.96
1/2		1/2		1/2		1/2		1/2	4,967.12	1/2	4,694.95	1/2	4,421.55	1/2	4,146.81	1/2	3,872.07	1/2	3,507.94
3/4		3/4		3/4		3/4		3/4	4,961.76	3/4	4,689.26	3/4	4,415.83	3/4	4,141.09	3/4	3,866.35	3/4	3,499.92
3		3		3		3		3	4,956.41	3	4,683.57	3	4,410.10	3	4,135.36	3	3,860.63	3	3,491.91
1/4		1/4		1/4		1/4		1/4	4,951.05	1/4	4,677.88	1/4	4,404.38	1/4	4,129.64	1/4	3,854.90	1/4	3,483.89
1/2		1/2		1/2		1/2		1/2	4,945.36	1/2	4,672.19	1/2	4,398.65	1/2	4,123.92	1/2	3,849.18	1/2	3,475.88
3/4		3/4		3/4		3/4		3/4	4,939.67	3/4	4,666.50	3/4	4,392.93	3/4	4,118.19	3/4	3,843.46	3/4	3,467.86
4		4		4		4		4	4,933.98	4	4,660.81	4	4,387.21	4	4,112.47	4	3,837.73	4	3,459.84
1/4		1/4		1/4		1/4		1/4	4,928.29	1/4	4,655.11	1/4	4,381.48	1/4	4,106.75	1/4	3,832.01	1/4	3,451.83
1/2		1/2		1/2		1/2		1/2	4,922.60	1/2	4,649.42	1/2	4,375.76	1/2	4,101.02	1/2	3,825.14	1/2	3,443.81
3/4		3/4		3/4		3/4		3/4	4,916.91	3/4	4,643.73	3/4	4,370.04	3/4	4,095.30	3/4	3,818.27	3/4	3,435.80
5		5		5		5		5	4,911.21	5	4,638.04	5	4,364.31	5	4,089.57	5	3,811.40	5	3,427.78
1/4		1/4		1/4		1/4		1/4	4,905.52	1/4	4,632.35	1/4	4,358.59	1/4	4,083.85	1/4	3,804.53	1/4	3,419.77
1/2		1/2		1/2		1/2		1/2	4,899.83	1/2	4,626.66	1/2	4,352.86	1/2	4,078.13	1/2	3,796.51	1/2	3,411.75
3/4		3/4		3/4		3/4		3/4	4,894.14	3/4	4,620.97	3/4	4,347.14	3/4	4,072.40	3/4	3,788.50	3/4	3,403.73
6		6		6		6		6	4,888.45	6	4,615.28	6	4,341.42	6	4,066.68	6	3,780.48	6	3,395.72
1/4		1/4		1/4		1/4		1/4	4,882.76	1/4	4,609.59	1/4	4,335.69	1/4	4,060.96	1/4	3,772.46	1/4	3,387.70
1/2		1/2		1/2		1/2		1/2	4,877.07	1/2	4,603.90	1/2	4,329.97	1/2	4,055.23	1/2	3,764.45	1/2	3,379.69
3/4		3/4		3/4		3/4		3/4	4,871.38	3/4	4,598.20	3/4	4,324.25	3/4	4,049.51	3/4	3,756.43	3/4	3,371.67
7		7		7		7		7	4,865.69	7	4,592.51	7	4,318.52	7	4,043.78	7	3,748.42	7	3,363.65
1/4		1/4		1/4		1/4		1/4	4,859.99	1/4	4,586.82	1/4	4,312.80	1/4	4,038.06	1/4	3,740.40	1/4	3,355.64
1/2		1/2		1/2		1/2		1/2	4,854.30	1/2	4,581.13	1/2	4,307.07	1/2	4,032.34	1/2	3,732.39	1/2	3,347.62
3/4		3/4		3/4		3/4		3/4	4,848.61	3/4	4,575.44	3/4	4,301.35	3/4	4,026.61	3/4	3,724.37	3/4	3,339.61
8		8		8		8		8	4,842.92	8	4,569.75	8	4,295.63	8	4,020.89	8	3,716.35	8	3,331.59
1/4		1/4		1/4		1/4		1/4	4,837.23	1/4	4,564.06	1/4	4,289.90	1/4	4,015.17	1/4	3,708.34	1/4	3,323.57
1/2		1/2		1/2		1/2		1/2	4,831.54	1/2	4,558.37	1/2	4,284.18	1/2	4,009.44	1/2	3,700.32	1/2	3,315.56
3/4		3/4		3/4		3/4		3/4	4,825.85	3/4	4,552.68	3/4	4,278.46	3/4	4,003.72	3/4	3,692.31	3/4	3,307.54
9		9		9		9		9	4,820.16	9	4,546.98	9	4,272.73	9	3,998.00	9	3,684.29	9	3,299.53
1/4		1/4		1/4		1/4		1/4	4,814.47	1/4	4,541.29	1/4	4,267.01	1/4	3,992.27	1/4	3,676.27	1/4	3,291.51
1/2		1/2		1/2		1/2		1/2	4,808.77	1/2	4,535.60	1/2	4,261.29	1/2	3,986.55	1/2	3,668.26	1/2	3,283.50
3/4		3/4		3/4		3/4		3/4	4,803.08	3/4	4,529.91	3/4	4,255.56	3/4	3,980.82	3/4	3,660.24	3/4	3,275.48
10		10		10		10		10	4,797.39	10	4,524.22	10	4,249.84	10	3,975.10	10	3,652.23	10	3,267.46
1/4		1/4		1/4		1/4		1/4	4,791.70	1/4	4,518.53	1/4	4,244.11	1/4	3,969.38	1/4	3,644.21	1/4	3,259.45
1/2		1/2		1/2		1/2		1/2	4,786.01	1/2	4,512.84	1/2	4,238.39	1/2	3,963.65	1/2	3,636.19	1/2	3,251.43
3/4		3/4		3/4		3/4		3/4	4,780.32	3/4	4,507.15	3/4	4,232.67	3/4	3,957.93	3/4	3,628.18	3/4	3,243.42
11		11		11		11		11	4,774.63	11	4,501.46	11	4,226.94	11	3,952.21	11	3,620.16	11	3,235.40
1/4		1/4		1/4		1/4		1/4	4,768.94	1/4	4,495.76	1/4	4,221.22	1/4	3,946.48	1/4	3,612.15	1/4	3,227.38
1/2		1/2		1/2		1/2		1/2	4,763.25	1/2	4,490.07	1/2	4,215.50	1/2	3,940.76	1/2	3,604.13	1/2	3,219.37
3/4		3/4		3/4		3/4		3/4	4,757.55	3/4	4,484.38	3/4	4,209.77	3/4	3,935.03	3/4	3,596.12	3/4	3,211.35

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT WITH "HERMETIC" GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 49'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "MMLP 325"

"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.

3 STBD
ULLAGE TABLE

THIS SIDE FOR ULLAGE FOR INNAGE SEE OTHER SIDE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,818.42	0	2,432.86	0	2,047.26	0	1,661.65	0	1,276.94	0	891.75	0	506.15	0	120.58	0		0	
1/4	2,810.41	1/4	2,424.83	1/4	2,039.22	1/4	1,653.62	1/4	1,268.94	1/4	883.71	1/4	498.12	1/4	112.55	1/4		1/4	
1/2	2,802.38	1/2	2,416.79	1/2	2,031.19	1/2	1,645.59	1/2	1,260.94	1/2	875.68	1/2	490.09	1/2	104.55	1/2		1/2	
3/4	2,794.35	3/4	2,408.76	3/4	2,023.16	3/4	1,637.55	3/4	1,252.94	3/4	867.65	3/4	482.05	3/4	96.54	3/4		3/4	
1	2,786.32	1	2,400.73	1	2,015.12	1	1,629.52	1	1,244.94	1	859.61	1	474.02	1	88.53	1		1	
1/4	2,778.30	1/4	2,392.69	1/4	2,007.09	1/4	1,621.49	1/4	1,236.94	1/4	851.58	1/4	465.99	1/4	80.52	1/4		1/4	
1/2	2,770.26	1/2	2,384.66	1/2	1,999.06	1/2	1,613.45	1/2	1,228.94	1/2	843.55	1/2	457.95	1/2	73.01	1/2		1/2	
3/4	2,762.23	3/4	2,376.63	3/4	1,991.02	3/4	1,605.42	3/4	1,220.93	3/4	835.51	3/4	449.92	3/4	65.50	3/4		3/4	
2	2,754.20	2	2,368.59	2	1,982.99	2	1,597.39	2	1,212.93	2	827.48	2	441.89	2	57.99	2		2	
1/4	2,746.16	1/4	2,360.56	1/4	1,974.96	1/4	1,589.35	1/4	1,204.93	1/4	819.45	1/4	433.85	1/4	50.48	1/4		1/4	
1/2	2,738.13	1/2	2,352.53	1/2	1,966.92	1/2	1,581.32	1/2	1,196.92	1/2	811.41	1/2	425.82	1/2	44.45	1/2		1/2	
3/4	2,730.10	3/4	2,344.49	3/4	1,958.89	3/4	1,573.29	3/4	1,188.90	3/4	803.38	3/4	417.79	3/4	38.43	3/4		3/4	
3	2,722.06	3	2,336.46	3	1,950.86	3	1,565.25	3	1,180.89	3	795.35	3	409.75	3	32.41	3		3	
1/4	2,714.03	1/4	2,328.43	1/4	1,942.82	1/4	1,557.22	1/4	1,172.88	1/4	787.31	1/4	401.72	1/4	26.38	1/4		1/4	
1/2	2,706.00	1/2	2,320.39	1/2	1,934.79	1/2	1,549.19	1/2	1,164.85	1/2	779.28	1/2	393.69	1/2		1/2		1/2	
3/4	2,697.96	3/4	2,312.36	3/4	1,926.76	3/4	1,541.15	3/4	1,156.83	3/4	771.25	3/4	385.65	3/4		3/4		3/4	
4	2,689.93	4	2,304.33	4	1,918.72	4	1,533.12	4	1,148.80	4	763.21	4	377.62	4		4		4	
1/4	2,681.90	1/4	2,296.29	1/4	1,910.69	1/4	1,525.09	1/4	1,140.77	1/4	755.18	1/4	369.59	1/4		1/4		1/4	
1/2	2,673.86	1/2	2,288.26	1/2	1,902.66	1/2	1,517.06	1/2	1,132.74	1/2	747.15	1/2	361.55	1/2		1/2		1/2	
3/4	2,665.83	3/4	2,280.23	3/4	1,894.62	3/4	1,509.03	3/4	1,124.71	3/4	739.11	3/4	353.52	3/4		3/4		3/4	
5	2,657.80	5	2,272.19	5	1,886.59	5	1,501.01	5	1,116.68	5	731.08	5	345.49	5		5		5	
1/4	2,649.76	1/4	2,264.16	1/4	1,878.56	1/4	1,492.98	1/4	1,108.64	1/4	723.05	1/4	337.45	1/4		1/4		1/4	
1/2	2,641.73	1/2	2,256.13	1/2	1,870.52	1/2	1,484.97	1/2	1,100.61	1/2	715.02	1/2	329.42	1/2		1/2		1/2	
3/4	2,633.70	3/4	2,248.09	3/4	1,862.49	3/4	1,476.96	3/4	1,092.58	3/4	706.98	3/4	321.39	3/4		3/4		3/4	
6	2,625.66	6	2,240.06	6	1,854.46	6	1,468.95	6	1,084.54	6	698.95	6	313.36	6		6		6	
1/4	2,617.63	1/4	2,232.03	1/4	1,846.42	1/4	1,460.94	1/4	1,076.51	1/4	690.92	1/4	305.32	1/4		1/4		1/4	
1/2	2,609.60	1/2	2,223.99	1/2	1,838.39	1/2	1,452.94	1/2	1,068.48	1/2	682.88	1/2	297.29	1/2		1/2		1/2	
3/4	2,601.56	3/4	2,215.96	3/4	1,830.36	3/4	1,444.94	3/4	1,060.44	3/4	674.85	3/4	289.26	3/4		3/4		3/4	
7	2,593.53	7	2,207.93	7	1,822.32	7	1,436.94	7	1,052.41	7	666.82	7	281.22	7		7		7	
1/4	2,585.50	1/4	2,199.89	1/4	1,814.29	1/4	1,428.94	1/4	1,044.38	1/4	658.78	1/4	273.19	1/4		1/4		1/4	
1/2	2,577.46	1/2	2,191.86	1/2	1,806.26	1/2	1,420.94	1/2	1,036.34	1/2	650.75	1/2	265.16	1/2		1/2		1/2	
3/4	2,569.43	3/4	2,183.83	3/4	1,798.22	3/4	1,412.94	3/4	1,028.31	3/4	642.72	3/4	257.12	3/4		3/4		3/4	
8	2,561.40	8	2,175.79	8	1,790.19	8	1,404.94	8	1,020.28	8	634.68	8	249.09	8		8		8	
1/4	2,553.36	1/4	2,167.76	1/4	1,782.16	1/4	1,396.94	1/4	1,012.24	1/4	626.65	1/4	241.06	1/4		1/4		1/4	
1/2	2,545.33	1/2	2,159.73	1/2	1,774.12	1/2	1,388.94	1/2	1,004.21	1/2	618.62	1/2	233.02	1/2		1/2		1/2	
3/4	2,537.30	3/4	2,151.69	3/4	1,766.09	3/4	1,380.94	3/4	996.18	3/4	610.58	3/4	224.99	3/4		3/4		3/4	
9	2,529.26	9	2,143.66	9	1,758.06	9	1,372.94	9	988.14	9	602.55	9	216.96	9		9		9	
1/4	2,521.23	1/4	2,135.63	1/4	1,750.02	1/4	1,364.94	1/4	980.11	1/4	594.52	1/4	208.92	1/4		1/4		1/4	
1/2	2,513.20	1/2	2,127.59	1/2	1,741.99	1/2	1,356.94	1/2	972.08	1/2	586.48	1/2	200.89	1/2		1/2		1/2	
3/4	2,505.16	3/4	2,119.56	3/4	1,733.96	3/4	1,348.94	3/4	964.04	3/4	578.45	3/4	192.86	3/4		3/4		3/4	
10	2,497.13	10	2,111.53	10	1,725.92	10	1,340.94	10	956.01	10	570.42	10	184.82	10		10		10	
1/4	2,489.09	1/4	2,103.49	1/4	1,717.89	1/4	1,332.94	1/4	947.98	1/4	562.38	1/4	176.79	1/4		1/4		1/4	
1/2	2,481.06	1/2	2,095.46	1/2	1,709.86	1/2	1,324.94	1/2	939.94	1/2	554.35	1/2	168.76	1/2		1/2		1/2	
3/4	2,473.03	3/4	2,087.42	3/4	1,701.82	3/4	1,316.94	3/4	931.91	3/4	546.32	3/4	160.73	3/4		3/4		3/4	
11	2,464.99	11	2,079.39	11	1,693.79	11	1,308.94	11	923.88	11	538.28	11	152.69	11		11		11	
1/4	2,456.96	1/4	2,071.36	1/4	1,685.75	1/4	1,300.94	1/4	915.85	1/4	530.25	1/4	144.66	1/4		1/4		1/4	
1/2	2,448.93	1/2	2,063.32	1/2	1,677.72	1/2	1,292.94	1/2	907.81	1/2	522.22	1/2	136.63	1/2		1/2		1/2	
3/4	2,440.89	3/4	2,055.29	3/4	1,669.69	3/4	1,284.94	3/4	899.78	3/4	514.19	3/4	128.61	3/4		3/4		3/4	

STRAPPED: 11/11/2010 CL - SW
CALCULATED: 11/11/2010 CL
PRINTED: 11/11/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2010

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