



BARGE "EMS 406P"

PORT HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	0.35	0	202.65	0	561.01	0	1,012.35	0	1,529.59	0	2,094.85	0	2,694.45	0	3,316.84	0	3,951.56	0	4,588.72
1/4	1.58	1/4	208.97	1/4	569.64	1/4	1,022.57	1/4	1,540.96	1/4	2,107.06	1/4	2,707.24	1/4	3,329.98	1/4	3,964.84	1/4	4,601.94
1/2	2.81	1/2	215.30	1/2	578.27	1/2	1,032.79	1/2	1,552.33	1/2	2,119.27	1/2	2,720.02	1/2	3,343.12	1/2	3,978.13	1/2	4,615.17
3/4	4.03	3/4	221.62	3/4	586.91	3/4	1,043.00	3/4	1,563.70	3/4	2,131.47	3/4	2,732.81	3/4	3,356.26	3/4	3,991.41	3/4	4,628.40
1	5.26	1	227.94	1	595.54	1	1,053.22	1	1,575.07	1	2,143.68	1	2,745.59	1	3,369.40	1	4,004.70	1	4,641.62
1/4	7.51	1/4	234.50	1/4	604.33	1/4	1,063.55	1/4	1,586.52	1/4	2,155.94	1/4	2,758.42	1/4	3,382.56	1/4	4,017.98	1/4	4,654.83
1/2	9.76	1/2	241.07	1/2	613.11	1/2	1,073.88	1/2	1,597.97	1/2	2,168.21	1/2	2,771.24	1/2	3,395.72	1/2	4,031.27	1/2	4,668.04
3/4	12.01	3/4	247.63	3/4	621.90	3/4	1,084.21	3/4	1,609.43	3/4	2,180.47	3/4	2,784.06	3/4	3,408.88	3/4	4,044.56	3/4	4,681.25
2	14.25	2	254.19	2	630.69	2	1,094.53	2	1,620.88	2	2,192.74	2	2,796.89	2	3,422.04	2	4,057.85	2	4,694.47
1/4	17.16	1/4	260.97	1/4	639.62	1/4	1,104.97	1/4	1,632.41	1/4	2,205.06	1/4	2,809.75	1/4	3,435.22	1/4	4,071.14	1/4	4,707.66
1/2	20.07	1/2	267.76	1/2	648.56	1/2	1,115.40	1/2	1,643.93	1/2	2,217.38	1/2	2,822.61	1/2	3,448.40	1/2	4,084.42	1/2	4,720.86
3/4	22.98	3/4	274.55	3/4	657.50	3/4	1,125.84	3/4	1,655.46	3/4	2,229.70	3/4	2,835.47	3/4	3,461.58	3/4	4,097.71	3/4	4,734.05
3	25.88	3	281.33	3	666.43	3	1,136.28	3	1,666.99	3	2,242.02	3	2,848.33	3	3,474.76	3	4,111.00	3	4,747.25
1/4	29.32	1/4	288.34	1/4	675.51	1/4	1,146.82	1/4	1,678.60	1/4	2,254.39	1/4	2,861.23	1/4	3,487.95	1/4	4,124.29	1/4	4,760.43
1/2	32.76	1/2	295.34	1/2	684.59	1/2	1,157.36	1/2	1,690.20	1/2	2,266.77	1/2	2,874.12	1/2	3,501.15	1/2	4,137.58	1/2	4,773.61
3/4	36.20	3/4	302.34	3/4	693.67	3/4	1,167.90	3/4	1,701.81	3/4	2,279.14	3/4	2,887.02	3/4	3,514.34	3/4	4,150.87	3/4	4,786.78
4	39.64	4	309.35	4	702.75	4	1,178.44	4	1,713.41	4	2,291.51	4	2,899.91	4	3,527.54	4	4,164.16	4	4,799.96
1/4	43.53	1/4	316.56	1/4	711.97	1/4	1,189.08	1/4	1,725.09	1/4	2,303.94	1/4	2,912.84	1/4	3,540.75	1/4	4,177.44	1/4	4,813.12
1/2	47.43	1/2	323.77	1/2	721.20	1/2	1,199.72	1/2	1,736.77	1/2	2,316.37	1/2	2,925.77	1/2	3,553.96	1/2	4,190.73	1/2	4,826.28
3/4	51.32	3/4	330.98	3/4	730.42	3/4	1,210.37	3/4	1,748.45	3/4	2,328.79	3/4	2,938.70	3/4	3,567.17	3/4	4,204.02	3/4	4,839.44
5	55.22	5	338.19	5	739.64	5	1,221.01	5	1,760.13	5	2,341.22	5	2,951.63	5	3,580.38	5	4,217.31	5	4,852.60
1/4	59.51	1/4	345.60	1/4	749.00	1/4	1,231.75	1/4	1,771.88	1/4	2,353.70	1/4	2,964.59	1/4	3,593.61	1/4	4,230.59	1/4	4,865.74
1/2	63.81	1/2	353.01	1/2	758.35	1/2	1,242.49	1/2	1,783.64	1/2	2,366.17	1/2	2,977.55	1/2	3,606.83	1/2	4,243.87	1/2	4,878.88
3/4	68.11	3/4	360.42	3/4	767.71	3/4	1,253.23	3/4	1,795.39	3/4	2,378.65	3/4	2,990.51	3/4	3,620.06	3/4	4,257.16	3/4	4,892.02
6	72.41	6	367.83	6	777.07	6	1,263.98	6	1,807.14	6	2,391.13	6	3,003.47	6	3,633.28	6	4,270.44	6	4,905.16
1/4	77.08	1/4	375.43	1/4	786.56	1/4	1,274.81	1/4	1,818.96	1/4	2,403.65	1/4	3,016.46	1/4	3,646.52	1/4	4,283.72	1/4	4,918.28
1/2	81.75	1/2	383.04	1/2	796.05	1/2	1,285.65	1/2	1,830.79	1/2	2,416.18	1/2	3,029.45	1/2	3,659.76	1/2	4,297.00	1/2	4,931.40
3/4	86.41	3/4	390.64	3/4	805.54	3/4	1,296.49	3/4	1,842.61	3/4	2,428.71	3/4	3,042.44	3/4	3,673.00	3/4	4,310.28	3/4	4,944.52
7	91.08	7	398.24	7	815.04	7	1,307.33	7	1,854.43	7	2,441.23	7	3,055.43	7	3,686.24	7	4,323.56	7	4,957.64
1/4	96.08	1/4	406.03	1/4	824.66	1/4	1,318.26	1/4	1,866.32	1/4	2,453.80	1/4	3,068.45	1/4	3,699.48	1/4	4,336.84	1/4	4,970.74
1/2	101.09	1/2	413.82	1/2	834.28	1/2	1,329.20	1/2	1,878.21	1/2	2,466.38	1/2	3,081.47	1/2	3,712.73	1/2	4,350.11	1/2	4,983.83
3/4	106.09	3/4	421.61	3/4	843.90	3/4	1,340.13	3/4	1,890.11	3/4	2,478.95	3/4	3,094.49	3/4	3,725.98	3/4	4,363.39	3/4	4,996.93
8	111.09	8	429.40	8	853.52	8	1,351.06	8	1,902.00	8	2,491.52	8	3,107.50	8	3,739.23	8	4,376.66	8	5,010.03
1/4	116.41	1/4	437.37	1/4	863.26	1/4	1,362.09	1/4	1,913.96	1/4	2,504.14	1/4	3,120.55	1/4	3,752.49	1/4	4,389.93	1/4	5,023.10
1/2	121.73	1/2	445.34	1/2	873.01	1/2	1,373.12	1/2	1,925.91	1/2	2,516.76	1/2	3,133.60	1/2	3,765.75	1/2	4,403.20	1/2	5,036.17
3/4	127.04	3/4	453.31	3/4	882.76	3/4	1,384.14	3/4	1,937.87	3/4	2,529.38	3/4	3,146.64	3/4	3,779.01	3/4	4,416.47	3/4	5,049.24
9	132.36	9	461.28	9	892.50	9	1,395.17	9	1,949.83	9	2,542.00	9	3,159.69	9	3,792.27	9	4,429.73	9	5,062.31
1/4	137.97	1/4	469.42	1/4	902.37	1/4	1,406.28	1/4	1,961.85	1/4	2,554.66	1/4	3,172.76	1/4	3,805.54	1/4	4,442.99	1/4	5,075.36
1/2	143.58	1/2	477.57	1/2	912.24	1/2	1,417.40	1/2	1,973.88	1/2	2,567.32	1/2	3,185.83	1/2	3,818.80	1/2	4,456.25	1/2	5,088.41
3/4	149.19	3/4	485.71	3/4	922.11	3/4	1,428.51	3/4	1,985.90	3/4	2,579.98	3/4	3,198.91	3/4	3,832.07	3/4	4,469.51	3/4	5,101.45
10	154.80	10	493.86	10	931.98	10	1,439.63	10	1,997.92	10	2,592.65	10	3,211.98	10	3,845.34	10	4,482.77	10	5,114.50
1/4	160.69	1/4	502.17	1/4	941.97	1/4	1,450.83	1/4	2,010.01	1/4	2,605.35	1/4	3,225.07	1/4	3,858.61	1/4	4,496.02	1/4	5,127.52
1/2	166.58	1/2	510.48	1/2	951.95	1/2	1,462.03	1/2	2,022.09	1/2	2,618.06	1/2	3,238.17	1/2	3,871.89	1/2	4,509.27	1/2	5,140.54
3/4	172.46	3/4	518.79	3/4	961.94	3/4	1,473.24	3/4	2,034.18	3/4	2,630.76	3/4	3,251.27	3/4	3,885.16	3/4	4,522.52	3/4	5,153.56
11	178.35	11	527.10	11	971.93	11	1,484.44	11	2,046.27	11	2,643.47	11	3,264.36	11	3,898.44	11	4,535.77	11	5,166.57
1/4	184.42	1/4	535.58	1/4	982.04	1/4	1,495.73	1/4	2,058.41	1/4	2,656.21	1/4	3,277.48	1/4	3,911.72	1/4	4,549.01	1/4	5,179.57
1/2	190.50	1/2	544.06	1/2	992.14	1/2	1,507.01	1/2	2,070.56	1/2	2,668.96	1/2	3,290.60	1/2	3,925.00	1/2	4,562.24	1/2	5,192.56
3/4	196.57	3/4	552.53	3/4	1,002.24	3/4	1,518.30	3/4	2,082.71	3/4	2,681.71	3/4	3,303.72	3/4	3,938.28	3/4	4,575.48	3/4	5,205.55

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.
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.

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BARGE "EMS 406P"

PORT HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	5,218.54	0	5,830.91	0	6,414.91	0	6,958.03	0	7,444.88	0	7,852.90	0	8,146.78	0		0		0	
1/4	5,231.50	1/4	5,843.39	1/4	6,426.66	1/4	6,968.78	1/4	7,454.24	1/4	7,860.31	1/4	8,151.01	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,244.46	1/2	5,855.86	1/2	6,438.41	1/2	6,979.52	1/2	7,463.59	1/2	7,867.72	1/2	8,155.24	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,257.42	3/4	5,868.34	3/4	6,450.17	3/4	6,990.26	3/4	7,472.95	3/4	7,875.13	3/4	8,159.46	3/4	3/4	3/4	3/4	3/4	3/4
1	5,270.38	1	5,880.82	1	6,461.92	1	7,001.00	1	7,482.31	1	7,882.54	1	8,163.69	1	1	1	1	1	1
1/4	5,283.31	1/4	5,893.25	1/4	6,473.60	1/4	7,011.64	1/4	7,491.53	1/4	7,889.75	1/4	8,167.51	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,296.23	1/2	5,905.67	1/2	6,485.28	1/2	7,022.28	1/2	7,500.75	1/2	7,896.96	1/2	8,171.33	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,309.16	3/4	5,918.10	3/4	6,496.96	3/4	7,032.92	3/4	7,509.97	3/4	7,904.16	3/4	8,175.15	3/4	3/4	3/4	3/4	3/4	3/4
2	5,322.09	2	5,930.53	2	6,508.64	2	7,043.56	2	7,519.19	2	7,911.37	2	8,178.97	2	2	2	2	2	2
1/4	5,334.99	1/4	5,942.90	1/4	6,520.24	1/4	7,054.10	1/4	7,528.26	1/4	7,918.37	1/4	8,182.33	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,347.88	1/2	5,955.27	1/2	6,531.85	1/2	7,064.64	1/2	7,537.34	1/2	7,925.37	1/2	8,185.70	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,360.78	3/4	5,967.65	3/4	6,543.45	3/4	7,075.18	3/4	7,546.42	3/4	7,932.37	3/4	8,189.06	3/4	3/4	3/4	3/4	3/4	3/4
3	5,373.67	3	5,980.02	3	6,555.06	3	7,085.72	3	7,555.50	3	7,939.38	3	8,192.43	3	3	3	3	3	3
1/4	5,386.53	1/4	5,992.34	1/4	6,566.59	1/4	7,096.15	1/4	7,564.44	1/4	7,946.16	1/4	8,195.26	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,399.39	1/2	6,004.66	1/2	6,578.12	1/2	7,106.59	1/2	7,573.37	1/2	7,952.94	1/2	8,198.09	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,412.26	3/4	6,016.98	3/4	6,589.65	3/4	7,117.02	3/4	7,582.31	3/4	7,959.73	3/4	8,200.93	3/4	3/4	3/4	3/4	3/4	3/4
4	5,425.12	4	6,029.30	4	6,601.17	4	7,127.46	4	7,591.24	4	7,966.51	4	8,203.76	4	4	4	4	4	4
1/4	5,437.94	1/4	6,041.57	1/4	6,612.62	1/4	7,137.78	1/4	7,599.88	1/4	7,973.07	1/4	8,205.93	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,450.76	1/2	6,053.83	1/2	6,624.07	1/2	7,148.11	1/2	7,608.52	1/2	7,979.63	1/2	8,208.10	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,463.59	3/4	6,066.10	3/4	6,635.52	3/4	7,158.44	3/4	7,617.16	3/4	7,986.19	3/4	8,210.28	3/4	3/4	3/4	3/4	3/4	3/4
5	5,476.41	5	6,078.36	5	6,646.97	5	7,168.76	5	7,625.80	5	7,992.75	5	8,212.45	5	5	5	5	5	5
1/4	5,489.20	1/4	6,090.57	1/4	6,658.34	1/4	7,178.98	1/4	7,634.29	1/4	7,999.07	1/4	8,213.61	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,501.99	1/2	6,102.77	1/2	6,669.71	1/2	7,189.20	1/2	7,642.78	1/2	8,005.39	1/2	8,214.76	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,514.77	3/4	6,114.98	3/4	6,681.08	3/4	7,199.41	3/4	7,651.27	3/4	8,011.71	3/4	8,215.92	3/4	3/4	3/4	3/4	3/4	3/4
6	5,527.56	6	6,127.19	6	6,692.45	6	7,209.63	6	7,659.75	6	8,018.04	6	8,217.07	6	6	6	6	6	6
1/4	5,540.31	1/4	6,139.34	1/4	6,703.74	1/4	7,219.73	1/4	7,668.23	1/4	8,024.11	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,553.05	1/2	6,151.48	1/2	6,715.03	1/2	7,229.84	1/2	7,676.70	1/2	8,030.18	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,565.80	3/4	6,163.63	3/4	6,726.31	3/4	7,239.94	3/4	7,685.18	3/4	8,036.26	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	5,578.55	7	6,175.78	7	6,737.60	7	7,250.04	7	7,693.65	7	8,042.33	7		7	7	7	7	7	7
1/4	5,591.26	1/4	6,187.86	1/4	6,748.80	1/4	7,260.03	1/4	7,701.96	1/4	8,048.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,603.96	1/2	6,199.95	1/2	6,760.00	1/2	7,270.02	1/2	7,710.27	1/2	8,053.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,616.67	3/4	6,212.04	3/4	6,771.20	3/4	7,280.00	3/4	7,718.58	3/4	8,059.77	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	5,629.37	8	6,224.12	8	6,782.40	8	7,289.99	8	7,726.89	8	8,065.58	8		8	8	8	8	8	8
1/4	5,642.04	1/4	6,236.15	1/4	6,793.52	1/4	7,299.86	1/4	7,735.04	1/4	8,071.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,654.70	1/2	6,248.17	1/2	6,804.63	1/2	7,309.73	1/2	7,743.18	1/2	8,076.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,667.37	3/4	6,260.19	3/4	6,815.75	3/4	7,319.59	3/4	7,751.32	3/4	8,082.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	5,680.03	9	6,272.22	9	6,826.86	9	7,329.46	9	7,759.46	9	8,087.73	9		9	9	9	9	9	9
1/4	5,692.65	1/4	6,284.17	1/4	6,837.88	1/4	7,339.21	1/4	7,767.43	1/4	8,092.97	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,705.27	1/2	6,296.13	1/2	6,848.91	1/2	7,348.95	1/2	7,775.40	1/2	8,098.21	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,717.89	3/4	6,308.09	3/4	6,859.93	3/4	7,358.70	3/4	7,783.37	3/4	8,103.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	5,730.51	10	6,320.05	10	6,870.96	10	7,368.44	10	7,791.34	10	8,108.70	10		10	10	10	10	10	10
1/4	5,743.08	1/4	6,331.94	1/4	6,881.89	1/4	7,378.06	1/4	7,799.13	1/4	8,113.63	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,755.66	1/2	6,343.83	1/2	6,892.82	1/2	7,387.68	1/2	7,806.91	1/2	8,118.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,768.23	3/4	6,355.72	3/4	6,903.75	3/4	7,397.30	3/4	7,814.70	3/4	8,123.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	5,780.80	11	6,367.62	11	6,914.68	11	7,406.92	11	7,822.49	11	8,128.42	11		11	11	11	11	11	11
1/4	5,793.33	1/4	6,379.44	1/4	6,925.52	1/4	7,416.41	1/4	7,830.09	1/4	8,133.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,805.86	1/2	6,391.26	1/2	6,936.36	1/2	7,425.90	1/2	7,837.70	1/2	8,137.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,818.38	3/4	6,403.08	3/4	6,947.20	3/4	7,435.39	3/4	7,845.30	3/4	8,142.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2015 SW
CALCULATED: 02/06/2015 CL
PRINTED: 02/06/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2015

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





BARGE "EMS 406P"

STBD HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	0.35	0	202.61	0	560.87	0	1,012.07	0	1,529.13	0	2,094.19	0	2,693.56	0	3,315.70	0	3,950.17	0	4,587.08
1/4	1.58	1/4	208.93	1/4	569.50	1/4	1,022.28	1/4	1,540.49	1/4	2,106.39	1/4	2,706.34	1/4	3,328.83	1/4	3,963.45	1/4	4,600.30
1/2	2.81	1/2	215.25	1/2	578.13	1/2	1,032.50	1/2	1,551.86	1/2	2,118.59	1/2	2,719.12	1/2	3,341.97	1/2	3,976.73	1/2	4,613.52
3/4	4.03	3/4	221.57	3/4	586.76	3/4	1,042.71	3/4	1,563.23	3/4	2,130.79	3/4	2,731.90	3/4	3,355.10	3/4	3,990.01	3/4	4,626.74
1	5.26	1	227.90	1	595.39	1	1,052.92	1	1,574.59	1	2,142.99	1	2,744.68	1	3,368.24	1	4,003.29	1	4,639.96
1/4	7.51	1/4	234.45	1/4	604.17	1/4	1,063.25	1/4	1,586.04	1/4	2,155.25	1/4	2,757.50	1/4	3,381.39	1/4	4,016.57	1/4	4,653.16
1/2	9.76	1/2	241.01	1/2	612.96	1/2	1,073.57	1/2	1,597.49	1/2	2,167.51	1/2	2,770.32	1/2	3,394.55	1/2	4,029.85	1/2	4,666.37
3/4	12.00	3/4	247.57	3/4	621.74	3/4	1,083.90	3/4	1,608.94	3/4	2,179.77	3/4	2,783.13	3/4	3,407.70	3/4	4,043.13	3/4	4,679.57
2	14.25	2	254.13	2	630.53	2	1,094.22	2	1,620.38	2	2,192.03	2	2,795.95	2	3,420.86	2	4,056.41	2	4,692.78
1/4	17.16	1/4	260.92	1/4	639.46	1/4	1,104.66	1/4	1,631.91	1/4	2,204.35	1/4	2,808.81	1/4	3,434.03	1/4	4,069.70	1/4	4,705.97
1/2	20.07	1/2	267.70	1/2	648.39	1/2	1,115.09	1/2	1,643.43	1/2	2,216.66	1/2	2,821.66	1/2	3,447.21	1/2	4,082.98	1/2	4,719.16
3/4	22.97	3/4	274.49	3/4	657.33	3/4	1,125.52	3/4	1,654.96	3/4	2,228.98	3/4	2,834.52	3/4	3,460.38	3/4	4,096.26	3/4	4,732.35
3	25.88	3	281.27	3	666.26	3	1,135.95	3	1,666.48	3	2,241.29	3	2,847.37	3	3,473.55	3	4,109.55	3	4,745.54
1/4	29.32	1/4	288.27	1/4	675.34	1/4	1,146.49	1/4	1,678.08	1/4	2,253.66	1/4	2,860.26	1/4	3,486.74	1/4	4,122.83	1/4	4,758.71
1/2	32.75	1/2	295.27	1/2	684.41	1/2	1,157.03	1/2	1,689.68	1/2	2,266.03	1/2	2,873.15	1/2	3,499.93	1/2	4,136.11	1/2	4,771.89
3/4	36.19	3/4	302.28	3/4	693.49	3/4	1,167.56	3/4	1,701.28	3/4	2,278.40	3/4	2,886.04	3/4	3,513.12	3/4	4,149.40	3/4	4,785.06
4	39.63	4	309.28	4	702.57	4	1,178.10	4	1,712.88	4	2,290.77	4	2,898.94	4	3,526.31	4	4,162.68	4	4,798.23
1/4	43.52	1/4	316.49	1/4	711.79	1/4	1,188.74	1/4	1,724.56	1/4	2,303.19	1/4	2,911.86	1/4	3,539.52	1/4	4,175.96	1/4	4,811.39
1/2	47.42	1/2	323.69	1/2	721.01	1/2	1,199.38	1/2	1,736.24	1/2	2,315.62	1/2	2,924.78	1/2	3,552.73	1/2	4,189.24	1/2	4,824.54
3/4	51.31	3/4	330.90	3/4	730.23	3/4	1,210.02	3/4	1,747.91	3/4	2,328.04	3/4	2,937.71	3/4	3,565.93	3/4	4,202.53	3/4	4,837.70
5	55.21	5	338.11	5	739.44	5	1,220.65	5	1,759.59	5	2,340.46	5	2,950.63	5	3,579.14	5	4,215.81	5	4,850.85
1/4	59.50	1/4	345.52	1/4	748.80	1/4	1,231.39	1/4	1,771.33	1/4	2,352.93	1/4	2,963.58	1/4	3,592.36	1/4	4,229.09	1/4	4,863.99
1/2	63.80	1/2	352.93	1/2	758.15	1/2	1,242.13	1/2	1,783.08	1/2	2,365.40	1/2	2,976.54	1/2	3,605.58	1/2	4,242.37	1/2	4,877.12
3/4	68.10	3/4	360.34	3/4	767.51	3/4	1,252.87	3/4	1,794.83	3/4	2,377.88	3/4	2,989.49	3/4	3,618.80	3/4	4,255.65	3/4	4,890.26
6	72.40	6	367.74	6	776.86	6	1,263.61	6	1,806.58	6	2,390.35	6	3,002.45	6	3,632.02	6	4,268.93	6	4,903.40
1/4	77.07	1/4	375.35	1/4	786.35	1/4	1,274.44	1/4	1,818.40	1/4	2,402.87	1/4	3,015.44	1/4	3,645.25	1/4	4,282.20	1/4	4,916.51
1/2	81.73	1/2	382.95	1/2	795.84	1/2	1,285.28	1/2	1,830.22	1/2	2,415.39	1/2	3,028.42	1/2	3,658.48	1/2	4,295.48	1/2	4,929.62
3/4	86.40	3/4	390.55	3/4	805.33	3/4	1,296.11	3/4	1,842.03	3/4	2,427.91	3/4	3,041.41	3/4	3,671.72	3/4	4,308.75	3/4	4,942.74
7	91.06	7	398.15	7	814.82	7	1,306.95	7	1,853.85	7	2,440.43	7	3,054.39	7	3,684.95	7	4,322.03	7	4,955.85
1/4	96.06	1/4	405.94	1/4	824.43	1/4	1,317.88	1/4	1,865.74	1/4	2,453.00	1/4	3,067.41	1/4	3,698.19	1/4	4,335.30	1/4	4,968.94
1/2	101.07	1/2	413.72	1/2	834.05	1/2	1,328.81	1/2	1,877.63	1/2	2,465.57	1/2	3,080.42	1/2	3,711.44	1/2	4,348.56	1/2	4,982.03
3/4	106.07	3/4	421.51	3/4	843.67	3/4	1,339.74	3/4	1,889.51	3/4	2,478.14	3/4	3,093.43	3/4	3,724.68	3/4	4,361.83	3/4	4,995.12
8	111.07	8	429.30	8	853.29	8	1,350.67	8	1,901.40	8	2,490.70	8	3,106.45	8	3,737.93	8	4,375.10	8	5,008.21
1/4	116.39	1/4	437.27	1/4	863.03	1/4	1,361.69	1/4	1,913.35	1/4	2,503.32	1/4	3,119.49	1/4	3,751.18	1/4	4,388.37	1/4	5,021.28
1/2	121.70	1/2	445.24	1/2	872.77	1/2	1,372.71	1/2	1,925.31	1/2	2,515.93	1/2	3,132.53	1/2	3,764.43	1/2	4,401.63	1/2	5,034.35
3/4	127.02	3/4	453.20	3/4	882.52	3/4	1,383.73	3/4	1,937.26	3/4	2,528.54	3/4	3,145.57	3/4	3,777.69	3/4	4,414.89	3/4	5,047.42
9	132.34	9	461.17	9	892.26	9	1,394.75	9	1,949.22	9	2,541.16	9	3,158.61	9	3,790.94	9	4,428.15	9	5,060.48
1/4	137.94	1/4	469.31	1/4	902.12	1/4	1,405.86	1/4	1,961.23	1/4	2,553.82	1/4	3,171.68	1/4	3,804.20	1/4	4,441.41	1/4	5,073.52
1/2	143.55	1/2	477.45	1/2	911.99	1/2	1,416.98	1/2	1,973.25	1/2	2,566.47	1/2	3,184.75	1/2	3,817.47	1/2	4,454.66	1/2	5,086.56
3/4	149.16	3/4	485.59	3/4	921.86	3/4	1,428.09	3/4	1,985.27	3/4	2,579.13	3/4	3,197.81	3/4	3,830.73	3/4	4,467.91	3/4	5,099.61
10	154.77	10	493.74	10	931.72	10	1,439.20	10	1,997.29	10	2,591.79	10	3,210.88	10	3,843.99	10	4,481.17	10	5,112.65
1/4	160.66	1/4	502.04	1/4	941.71	1/4	1,450.40	1/4	2,009.37	1/4	2,604.49	1/4	3,223.97	1/4	3,857.26	1/4	4,494.41	1/4	5,125.66
1/2	166.54	1/2	510.35	1/2	951.69	1/2	1,461.60	1/2	2,021.45	1/2	2,617.19	1/2	3,237.06	1/2	3,870.53	1/2	4,507.66	1/2	5,138.67
3/4	172.43	3/4	518.66	3/4	961.68	3/4	1,472.79	3/4	2,033.53	3/4	2,629.89	3/4	3,250.15	3/4	3,883.80	3/4	4,520.90	3/4	5,151.69
11	178.31	11	526.97	11	971.66	11	1,483.99	11	2,045.62	11	2,642.59	11	3,263.24	11	3,897.07	11	4,534.14	11	5,164.70
1/4	184.39	1/4	535.45	1/4	981.76	1/4	1,495.28	1/4	2,057.76	1/4	2,655.33	1/4	3,276.36	1/4	3,910.34	1/4	4,547.38	1/4	5,177.69
1/2	190.46	1/2	543.92	1/2	991.86	1/2	1,506.56	1/2	2,069.90	1/2	2,668.07	1/2	3,289.47	1/2	3,923.62	1/2	4,560.61	1/2	5,190.67
3/4	196.53	3/4	552.39	3/4	1,001.97	3/4	1,517.84	3/4	2,082.04	3/4	2,680.82	3/4	3,302.59	3/4	3,936.89	3/4	4,573.84	3/4	5,203.66

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.
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.

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



BARGE "EMS 406P"

STBD HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	5,216.64	0	5,828.78	0	6,412.56	0	6,955.49	0	7,442.18	0	7,850.08	0	8,143.89	0		0		0	
1/4	5,229.60	1/4	5,841.25	1/4	6,424.31	1/4	6,966.23	1/4	7,451.53	1/4	7,857.48	1/4	8,148.11	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,242.55	1/2	5,853.72	1/2	6,436.06	1/2	6,976.97	1/2	7,460.88	1/2	7,864.89	1/2	8,152.34	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,255.51	3/4	5,866.20	3/4	6,447.80	3/4	6,987.70	3/4	7,470.24	3/4	7,872.30	3/4	8,156.56	3/4	3/4	3/4	3/4	3/4	3/4
1	5,268.46	1	5,878.67	1	6,459.55	1	6,998.44	1	7,479.59	1	7,879.71	1	8,160.79	1	1	1	1	1	1
1/4	5,281.39	1/4	5,891.09	1/4	6,471.23	1/4	7,009.08	1/4	7,488.81	1/4	7,886.91	1/4	8,164.61	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,294.31	1/2	5,903.51	1/2	6,482.90	1/2	7,019.72	1/2	7,498.03	1/2	7,894.12	1/2	8,168.43	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,307.24	3/4	5,915.94	3/4	6,494.58	3/4	7,030.35	3/4	7,507.24	3/4	7,901.33	3/4	8,172.25	3/4	3/4	3/4	3/4	3/4	3/4
2	5,320.16	2	5,928.36	2	6,506.26	2	7,040.99	2	7,516.46	2	7,908.53	2	8,176.06	2	2	2	2	2	2
1/4	5,333.05	1/4	5,940.73	1/4	6,517.86	1/4	7,051.53	1/4	7,525.54	1/4	7,915.53	1/4	8,179.43	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,345.94	1/2	5,953.10	1/2	6,529.46	1/2	7,062.06	1/2	7,534.61	1/2	7,922.53	1/2	8,182.79	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,358.83	3/4	5,965.47	3/4	6,541.06	3/4	7,072.60	3/4	7,543.69	3/4	7,929.53	3/4	8,186.16	3/4	3/4	3/4	3/4	3/4	3/4
3	5,371.72	3	5,977.84	3	6,552.66	3	7,083.13	3	7,552.77	3	7,936.53	3	8,189.52	3	3	3	3	3	3
1/4	5,384.58	1/4	5,990.15	1/4	6,564.19	1/4	7,093.57	1/4	7,561.70	1/4	7,943.31	1/4	8,192.35	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,397.43	1/2	6,002.47	1/2	6,575.71	1/2	7,104.00	1/2	7,570.63	1/2	7,950.09	1/2	8,195.19	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,410.29	3/4	6,014.78	3/4	6,587.23	3/4	7,114.43	3/4	7,579.56	3/4	7,956.87	3/4	8,198.02	3/4	3/4	3/4	3/4	3/4	3/4
4	5,423.14	4	6,027.10	4	6,598.76	4	7,124.86	4	7,588.49	4	7,963.66	4	8,200.85	4	4	4	4	4	4
1/4	5,435.96	1/4	6,039.36	1/4	6,610.21	1/4	7,135.18	1/4	7,597.13	1/4	7,970.21	1/4	8,203.02	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,448.78	1/2	6,051.62	1/2	6,621.65	1/2	7,145.50	1/2	7,605.77	1/2	7,976.77	1/2	8,205.20	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,461.60	3/4	6,063.88	3/4	6,633.10	3/4	7,155.83	3/4	7,614.41	3/4	7,983.33	3/4	8,207.37	3/4	3/4	3/4	3/4	3/4	3/4
5	5,474.42	5	6,076.14	5	6,644.54	5	7,166.15	5	7,623.05	5	7,989.89	5	8,209.54	5	5	5	5	5	5
1/4	5,487.20	1/4	6,088.34	1/4	6,655.91	1/4	7,176.36	1/4	7,631.53	1/4	7,996.21	1/4	8,210.70	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,499.98	1/2	6,100.54	1/2	6,667.27	1/2	7,186.58	1/2	7,640.02	1/2	8,002.53	1/2	8,211.85	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,512.77	3/4	6,112.74	3/4	6,678.64	3/4	7,196.79	3/4	7,648.50	3/4	8,008.85	3/4	8,213.01	3/4	3/4	3/4	3/4	3/4	3/4
6	5,525.55	6	6,124.95	6	6,690.00	6	7,207.00	6	7,656.99	6	8,015.17	6	8,214.16	6	6	6	6	6	6
1/4	5,538.29	1/4	6,137.09	1/4	6,701.29	1/4	7,217.10	1/4	7,665.46	1/4	8,021.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,551.03	1/2	6,149.23	1/2	6,712.57	1/2	7,227.20	1/2	7,673.93	1/2	8,027.31	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,563.77	3/4	6,161.38	3/4	6,723.85	3/4	7,237.30	3/4	7,682.40	3/4	8,033.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	5,576.52	7	6,173.52	7	6,735.13	7	7,247.40	7	7,690.87	7	8,039.46	7		7	7	7	7	7	7
1/4	5,589.22	1/4	6,185.60	1/4	6,746.33	1/4	7,257.39	1/4	7,699.18	1/4	8,045.27	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,601.92	1/2	6,197.68	1/2	6,757.53	1/2	7,267.37	1/2	7,707.49	1/2	8,051.08	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,614.62	3/4	6,209.76	3/4	6,768.73	3/4	7,277.36	3/4	7,715.80	3/4	8,056.89	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	5,627.32	8	6,221.84	8	6,779.92	8	7,287.34	8	7,724.11	8	8,062.70	8		8	8	8	8	8	8
1/4	5,639.98	1/4	6,233.86	1/4	6,791.03	1/4	7,297.20	1/4	7,732.25	1/4	8,068.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,652.64	1/2	6,245.88	1/2	6,802.14	1/2	7,307.07	1/2	7,740.39	1/2	8,073.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,665.30	3/4	6,257.90	3/4	6,813.25	3/4	7,316.93	3/4	7,748.53	3/4	8,079.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	5,677.96	9	6,269.92	9	6,824.36	9	7,326.80	9	7,756.67	9	8,084.84	9		9	9	9	9	9	9
1/4	5,690.57	1/4	6,281.87	1/4	6,835.38	1/4	7,336.54	1/4	7,764.63	1/4	8,090.08	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,703.19	1/2	6,293.83	1/2	6,846.40	1/2	7,346.28	1/2	7,772.60	1/2	8,095.33	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,715.80	3/4	6,305.78	3/4	6,857.42	3/4	7,356.02	3/4	7,780.56	3/4	8,100.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	5,728.42	10	6,317.74	10	6,868.44	10	7,365.76	10	7,788.53	10	8,105.81	10		10	10	10	10	10	10
1/4	5,740.99	1/4	6,329.62	1/4	6,879.37	1/4	7,375.38	1/4	7,796.32	1/4	8,110.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,753.55	1/2	6,341.51	1/2	6,890.30	1/2	7,385.00	1/2	7,804.10	1/2	8,115.67	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,766.12	3/4	6,353.40	3/4	6,901.23	3/4	7,394.61	3/4	7,811.89	3/4	8,120.59	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	5,778.69	11	6,365.29	11	6,912.16	11	7,404.23	11	7,819.68	11	8,125.52	11		11	11	11	11	11	11
1/4	5,791.21	1/4	6,377.10	1/4	6,922.99	1/4	7,413.72	1/4	7,827.28	1/4	8,130.11	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,803.74	1/2	6,388.92	1/2	6,933.83	1/2	7,423.20	1/2	7,834.88	1/2	8,134.71	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,816.26	3/4	6,400.74	3/4	6,944.66	3/4	7,432.69	3/4	7,842.48	3/4	8,139.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2015 SW
CALCULATED: 02/06/2015 CL
PRINTED: 02/06/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2015

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



BARGE "EMS 406P"

PORT HORIZONTAL ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	8,217.07	0	8,018.04	0	7,659.75	0	7,209.63	0	6,692.45	0	6,127.19	0	5,527.56	0	4,905.16	0	4,270.44	0	3,633.28
1/4	8,215.92	1/4	8,011.71	1/4	7,651.27	1/4	7,199.41	1/4	6,681.08	1/4	6,114.98	1/4	5,514.77	1/4	4,892.02	1/4	4,257.14	1/4	3,620.06
1/2	8,214.76	1/2	8,005.39	1/2	7,642.78	1/2	7,189.20	1/2	6,669.71	1/2	6,102.77	1/2	5,501.99	1/2	4,878.88	1/2	4,243.87	1/2	3,606.83
3/4	8,213.61	3/4	7,999.07	3/4	7,634.29	3/4	7,178.98	3/4	6,658.34	3/4	6,090.57	3/4	5,489.20	3/4	4,865.74	3/4	4,230.59	3/4	3,593.61
1	8,212.45	1	7,992.75	1	7,625.80	1	7,168.76	1	6,646.97	1	6,078.36	1	5,476.41	1	4,852.60	1	4,217.31	1	3,580.38
1/4	8,210.28	1/4	7,986.19	1/4	7,617.16	1/4	7,158.44	1/4	6,635.52	1/4	6,066.10	1/4	5,463.59	1/4	4,839.44	1/4	4,204.02	1/4	3,567.17
1/2	8,208.10	1/2	7,979.63	1/2	7,608.52	1/2	7,148.11	1/2	6,624.07	1/2	6,053.83	1/2	5,450.76	1/2	4,826.28	1/2	4,190.73	1/2	3,553.96
3/4	8,205.93	3/4	7,973.07	3/4	7,599.88	3/4	7,137.78	3/4	6,612.62	3/4	6,041.57	3/4	5,437.94	3/4	4,813.12	3/4	4,177.44	3/4	3,540.75
2	8,203.76	2	7,966.51	2	7,591.24	2	7,127.46	2	6,601.17	2	6,029.30	2	5,425.12	2	4,799.96	2	4,164.16	2	3,527.54
1/4	8,200.93	1/4	7,959.73	1/4	7,582.31	1/4	7,117.02	1/4	6,589.65	1/4	6,016.98	1/4	5,412.26	1/4	4,786.78	1/4	4,150.87	1/4	3,514.34
1/2	8,198.09	1/2	7,952.94	1/2	7,573.37	1/2	7,106.59	1/2	6,578.12	1/2	6,004.66	1/2	5,399.39	1/2	4,773.61	1/2	4,137.58	1/2	3,501.15
3/4	8,195.26	3/4	7,946.16	3/4	7,564.44	3/4	7,096.15	3/4	6,566.59	3/4	5,992.34	3/4	5,386.53	3/4	4,760.43	3/4	4,124.29	3/4	3,487.95
3	8,192.43	3	7,939.38	3	7,555.50	3	7,085.72	3	6,555.06	3	5,980.02	3	5,373.67	3	4,747.25	3	4,111.00	3	3,474.76
1/4	8,189.06	1/4	7,932.37	1/4	7,546.42	1/4	7,075.18	1/4	6,543.45	1/4	5,967.65	1/4	5,360.78	1/4	4,734.05	1/4	4,097.71	1/4	3,461.58
1/2	8,185.70	1/2	7,925.37	1/2	7,537.34	1/2	7,064.64	1/2	6,531.85	1/2	5,955.27	1/2	5,347.88	1/2	4,720.86	1/2	4,084.42	1/2	3,448.40
3/4	8,182.33	3/4	7,918.37	3/4	7,528.26	3/4	7,054.10	3/4	6,520.24	3/4	5,942.90	3/4	5,334.99	3/4	4,707.66	3/4	4,071.14	3/4	3,435.22
4	8,178.97	4	7,911.37	4	7,519.19	4	7,043.56	4	6,508.64	4	5,930.53	4	5,322.09	4	4,694.47	4	4,057.85	4	3,422.04
1/4	8,175.15	1/4	7,904.16	1/4	7,509.97	1/4	7,032.92	1/4	6,496.96	1/4	5,918.10	1/4	5,309.16	1/4	4,681.25	1/4	4,044.56	1/4	3,408.88
1/2	8,171.33	1/2	7,896.96	1/2	7,500.75	1/2	7,022.28	1/2	6,485.28	1/2	5,905.67	1/2	5,296.23	1/2	4,668.04	1/2	4,031.27	1/2	3,395.72
3/4	8,167.51	3/4	7,889.75	3/4	7,491.53	3/4	7,011.64	3/4	6,473.60	3/4	5,893.25	3/4	5,283.31	3/4	4,654.83	3/4	4,017.98	3/4	3,382.56
5	8,163.69	5	7,882.54	5	7,482.31	5	7,001.00	5	6,461.92	5	5,880.82	5	5,270.38	5	4,641.62	5	4,004.70	5	3,369.40
1/4	8,159.46	1/4	7,875.13	1/4	7,472.95	1/4	6,990.26	1/4	6,450.17	1/4	5,868.34	1/4	5,257.42	1/4	4,628.40	1/4	3,991.41	1/4	3,356.26
1/2	8,155.24	1/2	7,867.72	1/2	7,463.59	1/2	6,979.52	1/2	6,438.41	1/2	5,855.86	1/2	5,244.46	1/2	4,615.17	1/2	3,978.13	1/2	3,343.12
3/4	8,151.01	3/4	7,860.31	3/4	7,454.24	3/4	6,968.78	3/4	6,426.66	3/4	5,843.39	3/4	5,231.50	3/4	4,601.94	3/4	3,964.84	3/4	3,329.98
6	8,146.78	6	7,852.90	6	7,444.88	6	6,958.03	6	6,414.91	6	5,830.91	6	5,218.54	6	4,588.72	6	3,951.56	6	3,316.84
1/4	8,142.19	1/4	7,845.30	1/4	7,435.39	1/4	6,947.20	1/4	6,403.08	1/4	5,818.38	1/4	5,205.55	1/4	4,575.48	1/4	3,938.28	1/4	3,303.72
1/2	8,137.60	1/2	7,837.70	1/2	7,425.90	1/2	6,936.36	1/2	6,391.26	1/2	5,805.86	1/2	5,192.56	1/2	4,562.24	1/2	3,925.00	1/2	3,290.60
3/4	8,133.01	3/4	7,830.09	3/4	7,416.41	3/4	6,925.52	3/4	6,379.44	3/4	5,793.33	3/4	5,179.57	3/4	4,549.01	3/4	3,911.72	3/4	3,277.48
7	8,128.42	7	7,822.49	7	7,406.92	7	6,914.68	7	6,367.62	7	5,780.80	7	5,166.57	7	4,535.77	7	3,898.44	7	3,264.36
1/4	8,123.49	1/4	7,814.70	1/4	7,397.30	1/4	6,903.75	1/4	6,355.72	1/4	5,768.23	1/4	5,153.56	1/4	4,522.52	1/4	3,885.16	1/4	3,251.27
1/2	8,118.56	1/2	7,806.91	1/2	7,387.68	1/2	6,892.82	1/2	6,343.83	1/2	5,755.66	1/2	5,140.54	1/2	4,509.27	1/2	3,871.89	1/2	3,238.17
3/4	8,113.63	3/4	7,799.13	3/4	7,378.06	3/4	6,881.89	3/4	6,331.94	3/4	5,743.08	3/4	5,127.52	3/4	4,496.02	3/4	3,858.61	3/4	3,225.07
8	8,108.70	8	7,791.34	8	7,368.44	8	6,870.96	8	6,320.05	8	5,730.51	8	5,114.50	8	4,482.77	8	3,845.34	8	3,211.98
1/4	8,103.45	1/4	7,783.37	1/4	7,358.70	1/4	6,859.93	1/4	6,308.09	1/4	5,717.89	1/4	5,101.45	1/4	4,469.51	1/4	3,832.07	1/4	3,198.91
1/2	8,098.21	1/2	7,775.40	1/2	7,348.95	1/2	6,848.91	1/2	6,296.13	1/2	5,705.27	1/2	5,088.41	1/2	4,456.25	1/2	3,818.80	1/2	3,185.83
3/4	8,092.97	3/4	7,767.43	3/4	7,339.21	3/4	6,837.88	3/4	6,284.17	3/4	5,692.65	3/4	5,075.36	3/4	4,442.99	3/4	3,805.54	3/4	3,172.76
9	8,087.73	9	7,759.46	9	7,329.46	9	6,826.86	9	6,272.22	9	5,680.03	9	5,062.31	9	4,429.73	9	3,792.27	9	3,159.69
1/4	8,082.19	1/4	7,751.32	1/4	7,319.59	1/4	6,815.75	1/4	6,260.19	1/4	5,667.37	1/4	5,049.24	1/4	4,416.47	1/4	3,779.01	1/4	3,146.64
1/2	8,076.65	1/2	7,743.18	1/2	7,309.73	1/2	6,804.63	1/2	6,248.17	1/2	5,654.70	1/2	5,036.17	1/2	4,403.20	1/2	3,765.75	1/2	3,133.60
3/4	8,071.12	3/4	7,735.04	3/4	7,299.86	3/4	6,793.52	3/4	6,236.15	3/4	5,642.04	3/4	5,023.10	3/4	4,389.93	3/4	3,752.49	3/4	3,120.55
10	8,065.58	10	7,726.89	10	7,289.99	10	6,782.40	10	6,224.12	10	5,629.37	10	5,010.03	10	4,376.66	10	3,739.23	10	3,107.50
1/4	8,059.77	1/4	7,718.58	1/4	7,280.00	1/4	6,771.20	1/4	6,212.04	1/4	5,616.67	1/4	4,996.93	1/4	4,363.39	1/4	3,725.98	1/4	3,094.49
1/2	8,053.96	1/2	7,710.27	1/2	7,270.02	1/2	6,760.00	1/2	6,199.95	1/2	5,603.96	1/2	4,983.83	1/2	4,350.11	1/2	3,712.73	1/2	3,081.47
3/4	8,048.14	3/4	7,701.96	3/4	7,260.03	3/4	6,748.80	3/4	6,187.86	3/4	5,591.26	3/4	4,970.74	3/4	4,336.84	3/4	3,699.48	3/4	3,068.45
11	8,042.33	11	7,693.65	11	7,250.04	11	6,737.60	11	6,175.78	11	5,578.55	11	4,957.64	11	4,323.56	11	3,686.24	11	3,055.43
1/4	8,036.26	1/4	7,685.18	1/4	7,239.94	1/4	6,726.31	1/4	6,163.63	1/4	5,565.80	1/4	4,944.52	1/4	4,310.28	1/4	3,673.00	1/4	3,042.44
1/2	8,030.18	1/2	7,676.70	1/2	7,229.84	1/2	6,715.03	1/2	6,151.48	1/2	5,553.05	1/2	4,931.40	1/2	4,297.00	1/2	3,659.76	1/2	3,029.45
3/4	8,024.11	3/4	7,668.23	3/4	7,219.73	3/4	6,703.74	3/4	6,139.34	3/4	5,540.31	3/4	4,918.28	3/4	4,283.72	3/4	3,646.52	3/4	3,016.46

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.
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.

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



BARGE "EMS 406P"

PORT HORIZONTAL ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,003.47	0	2,391.13	0	1,807.14	0	1,263.98	0	777.07	0	367.83	0	72.41	0		0		0	
1/4	2,990.51	1/4	2,378.65	1/4	1,795.39	1/4	1,253.23	1/4	767.71	1/4	360.42	1/4	68.11	1/4	1/4	1/4		1/4	1/4
1/2	2,977.55	1/2	2,366.17	1/2	1,783.64	1/2	1,242.49	1/2	758.35	1/2	353.01	1/2	63.81	1/2	1/2	1/2		1/2	1/2
3/4	2,964.59	3/4	2,353.70	3/4	1,771.88	3/4	1,231.75	3/4	749.00	3/4	345.60	3/4	59.51	3/4	3/4	3/4		3/4	3/4
1	2,951.63	1	2,341.22	1	1,760.13	1	1,221.01	1	739.64	1	338.19	1	55.22	1	1	1		1	1
1/4	2,938.70	1/4	2,328.79	1/4	1,748.45	1/4	1,210.37	1/4	730.42	1/4	330.98	1/4	51.32	1/4	1/4	1/4		1/4	1/4
1/2	2,925.77	1/2	2,316.37	1/2	1,736.77	1/2	1,199.72	1/2	721.20	1/2	323.77	1/2	47.43	1/2	1/2	1/2		1/2	1/2
3/4	2,912.84	3/4	2,303.94	3/4	1,725.09	3/4	1,189.08	3/4	711.97	3/4	316.56	3/4	43.53	3/4	3/4	3/4		3/4	3/4
2	2,899.91	2	2,291.51	2	1,713.41	2	1,178.44	2	702.75	2	309.35	2	39.64	2	2	2		2	2
1/4	2,887.02	1/4	2,279.14	1/4	1,701.81	1/4	1,167.90	1/4	693.67	1/4	302.34	1/4	36.20	1/4	1/4	1/4		1/4	1/4
1/2	2,874.12	1/2	2,266.77	1/2	1,690.20	1/2	1,157.36	1/2	684.59	1/2	295.34	1/2	32.76	1/2	1/2	1/2		1/2	1/2
3/4	2,861.23	3/4	2,254.39	3/4	1,678.60	3/4	1,146.82	3/4	675.51	3/4	288.34	3/4	29.32	3/4	3/4	3/4		3/4	3/4
3	2,848.33	3	2,242.02	3	1,666.99	3	1,136.28	3	666.43	3	281.33	3	25.88	3	3	3		3	3
1/4	2,835.47	1/4	2,229.70	1/4	1,655.46	1/4	1,125.84	1/4	657.50	1/4	274.55	1/4	22.98	1/4	1/4	1/4		1/4	1/4
1/2	2,822.61	1/2	2,217.38	1/2	1,643.93	1/2	1,115.40	1/2	648.56	1/2	267.76	1/2	20.07	1/2	1/2	1/2		1/2	1/2
3/4	2,809.75	3/4	2,205.06	3/4	1,632.41	3/4	1,104.97	3/4	639.62	3/4	260.97	3/4	17.16	3/4	3/4	3/4		3/4	3/4
4	2,796.89	4	2,192.74	4	1,620.88	4	1,094.53	4	630.69	4	254.19	4	14.25	4	4	4		4	4
1/4	2,784.06	1/4	2,180.47	1/4	1,609.43	1/4	1,084.21	1/4	621.90	1/4	247.63	1/4	12.01	1/4	1/4	1/4		1/4	1/4
1/2	2,771.24	1/2	2,168.21	1/2	1,597.97	1/2	1,073.88	1/2	613.11	1/2	241.06	1/2	9.76	1/2	1/2	1/2		1/2	1/2
3/4	2,758.42	3/4	2,155.94	3/4	1,586.52	3/4	1,063.55	3/4	604.33	3/4	234.50	3/4	7.51	3/4	3/4	3/4		3/4	3/4
5	2,745.59	5	2,143.68	5	1,575.07	5	1,053.22	5	595.54	5	227.94	5	5.26	5	5	5		5	5
1/4	2,732.81	1/4	2,131.47	1/4	1,563.70	1/4	1,043.00	1/4	586.91	1/4	221.62	1/4	4.03	1/4	1/4	1/4		1/4	1/4
1/2	2,720.02	1/2	2,119.27	1/2	1,552.33	1/2	1,032.78	1/2	578.27	1/2	215.30	1/2	2.81	1/2	1/2	1/2		1/2	1/2
3/4	2,707.24	3/4	2,107.06	3/4	1,540.96	3/4	1,022.57	3/4	569.64	3/4	208.97	3/4	1.58	3/4	3/4	3/4		3/4	3/4
6	2,694.45	6	2,094.85	6	1,529.59	6	1,012.35	6	561.01	6	202.65	6	0.35	6	6	6		6	6
1/4	2,681.71	1/4	2,082.71	1/4	1,518.30	1/4	1,002.24	1/4	552.53	1/4	196.57	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,668.96	1/2	2,070.56	1/2	1,507.01	1/2	992.14	1/2	544.05	1/2	190.50	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,656.21	3/4	2,058.41	3/4	1,495.73	3/4	982.04	3/4	535.58	3/4	184.42	3/4		3/4	3/4	3/4		3/4	3/4
7	2,643.47	7	2,046.27	7	1,484.44	7	971.93	7	527.10	7	178.35	7		7	7	7		7	7
1/4	2,630.76	1/4	2,034.18	1/4	1,473.24	1/4	961.94	1/4	518.79	1/4	172.46	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,618.06	1/2	2,022.09	1/2	1,462.03	1/2	951.95	1/2	510.48	1/2	166.58	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,605.35	3/4	2,010.01	3/4	1,450.83	3/4	941.97	3/4	502.17	3/4	160.69	3/4		3/4	3/4	3/4		3/4	3/4
8	2,592.65	8	1,997.92	8	1,439.63	8	931.98	8	493.86	8	154.80	8		8	8	8		8	8
1/4	2,579.98	1/4	1,985.90	1/4	1,428.51	1/4	922.11	1/4	485.71	1/4	149.19	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,567.32	1/2	1,973.88	1/2	1,417.40	1/2	912.24	1/2	477.57	1/2	143.58	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,554.66	3/4	1,961.85	3/4	1,406.28	3/4	902.37	3/4	469.42	3/4	137.97	3/4		3/4	3/4	3/4		3/4	3/4
9	2,542.00	9	1,949.83	9	1,395.17	9	892.50	9	461.28	9	132.36	9		9	9	9		9	9
1/4	2,529.38	1/4	1,937.87	1/4	1,384.14	1/4	882.76	1/4	453.31	1/4	127.04	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,516.76	1/2	1,925.91	1/2	1,373.12	1/2	873.01	1/2	445.34	1/2	121.73	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,504.14	3/4	1,913.96	3/4	1,362.09	3/4	863.26	3/4	437.37	3/4	116.41	3/4		3/4	3/4	3/4		3/4	3/4
10	2,491.52	10	1,902.00	10	1,351.06	10	853.52	10	429.40	10	111.09	10		10	10	10		10	10
1/4	2,478.95	1/4	1,890.11	1/4	1,340.13	1/4	843.90	1/4	421.61	1/4	106.09	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,466.38	1/2	1,878.21	1/2	1,329.20	1/2	834.28	1/2	413.82	1/2	101.09	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,453.80	3/4	1,866.32	3/4	1,318.26	3/4	824.66	3/4	406.03	3/4	96.08	3/4		3/4	3/4	3/4		3/4	3/4
11	2,441.23	11	1,854.43	11	1,307.33	11	815.04	11	398.24	11	91.08	11		11	11	11		11	11
1/4	2,428.71	1/4	1,842.61	1/4	1,296.49	1/4	805.54	1/4	390.64	1/4	86.41	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,416.18	1/2	1,830.79	1/2	1,285.65	1/2	796.05	1/2	383.04	1/2	81.75	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,403.65	3/4	1,818.96	3/4	1,274.81	3/4	786.56	3/4	375.43	3/4	77.08	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2015 SW
CALCULATED: 02/06/2015 CL
PRINTED: 02/06/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2015

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



BARGE "EMS 406P"

STBD HORIZONTAL ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	8,214.16	0	8,015.17	0	7,656.99	0	7,207.00	0	6,690.00	0	6,124.95	0	5,525.55	0	4,903.40	0	4,268.93	0	3,632.02
1/4	8,213.01	1/4	8,008.85	1/4	7,648.50	1/4	7,196.79	1/4	6,678.64	1/4	6,112.74	1/4	5,512.77	1/4	4,890.26	1/4	4,255.65	1/4	3,618.80
1/2	8,211.85	1/2	8,002.53	1/2	7,640.02	1/2	7,186.58	1/2	6,667.27	1/2	6,100.54	1/2	5,499.98	1/2	4,877.12	1/2	4,242.37	1/2	3,605.58
3/4	8,210.70	3/4	7,996.21	3/4	7,631.53	3/4	7,176.36	3/4	6,655.91	3/4	6,088.34	3/4	5,487.20	3/4	4,863.99	3/4	4,229.09	3/4	3,592.36
1	8,209.54	1	7,989.89	1	7,623.05	1	7,166.15	1	6,644.54	1	6,076.14	1	5,474.42	1	4,850.85	1	4,215.81	1	3,579.14
1/4	8,207.37	1/4	7,983.33	1/4	7,614.41	1/4	7,155.83	1/4	6,633.10	1/4	6,063.88	1/4	5,461.60	1/4	4,837.70	1/4	4,202.53	1/4	3,565.93
1/2	8,205.20	1/2	7,976.77	1/2	7,605.77	1/2	7,145.50	1/2	6,621.65	1/2	6,051.62	1/2	5,448.78	1/2	4,824.54	1/2	4,189.24	1/2	3,552.73
3/4	8,203.02	3/4	7,970.21	3/4	7,597.13	3/4	7,135.18	3/4	6,610.21	3/4	6,039.36	3/4	5,435.96	3/4	4,811.39	3/4	4,175.96	3/4	3,539.52
2	8,200.85	2	7,963.66	2	7,588.49	2	7,124.86	2	6,598.76	2	6,027.10	2	5,423.14	2	4,798.23	2	4,162.68	2	3,526.31
1/4	8,198.02	1/4	7,956.87	1/4	7,579.56	1/4	7,114.43	1/4	6,587.23	1/4	6,014.78	1/4	5,410.29	1/4	4,785.06	1/4	4,149.40	1/4	3,513.12
1/2	8,195.19	1/2	7,950.09	1/2	7,570.63	1/2	7,104.00	1/2	6,575.71	1/2	6,002.47	1/2	5,397.43	1/2	4,771.89	1/2	4,136.11	1/2	3,499.93
3/4	8,192.35	3/4	7,943.31	3/4	7,561.70	3/4	7,093.57	3/4	6,564.19	3/4	5,990.15	3/4	5,384.58	3/4	4,758.71	3/4	4,122.83	3/4	3,486.74
3	8,189.52	3	7,936.53	3	7,552.77	3	7,083.13	3	6,552.66	3	5,977.84	3	5,371.72	3	4,745.54	3	4,109.55	3	3,473.55
1/4	8,186.16	1/4	7,929.53	1/4	7,543.69	1/4	7,072.60	1/4	6,541.06	1/4	5,965.47	1/4	5,358.83	1/4	4,732.35	1/4	4,096.26	1/4	3,460.38
1/2	8,182.79	1/2	7,922.53	1/2	7,534.61	1/2	7,062.06	1/2	6,529.46	1/2	5,953.10	1/2	5,345.94	1/2	4,719.16	1/2	4,082.98	1/2	3,447.21
3/4	8,179.43	3/4	7,915.53	3/4	7,525.54	3/4	7,051.53	3/4	6,517.86	3/4	5,940.73	3/4	5,333.05	3/4	4,705.97	3/4	4,069.70	3/4	3,434.03
4	8,176.06	4	7,908.53	4	7,516.46	4	7,040.99	4	6,506.26	4	5,928.36	4	5,320.16	4	4,692.78	4	4,056.41	4	3,420.86
1/4	8,172.25	1/4	7,901.33	1/4	7,507.24	1/4	7,030.35	1/4	6,494.58	1/4	5,915.94	1/4	5,307.24	1/4	4,679.57	1/4	4,043.13	1/4	3,407.70
1/2	8,168.43	1/2	7,894.12	1/2	7,498.03	1/2	7,019.72	1/2	6,482.90	1/2	5,903.51	1/2	5,294.31	1/2	4,666.37	1/2	4,029.85	1/2	3,394.55
3/4	8,164.61	3/4	7,886.91	3/4	7,488.81	3/4	7,009.08	3/4	6,471.23	3/4	5,891.09	3/4	5,281.39	3/4	4,653.16	3/4	4,016.57	3/4	3,381.39
5	8,160.79	5	7,879.71	5	7,479.59	5	6,998.44	5	6,459.55	5	5,878.67	5	5,268.46	5	4,639.96	5	4,003.29	5	3,368.24
1/4	8,156.56	1/4	7,872.30	1/4	7,470.24	1/4	6,987.70	1/4	6,447.80	1/4	5,866.20	1/4	5,255.51	1/4	4,626.74	1/4	3,990.01	1/4	3,355.10
1/2	8,152.34	1/2	7,864.89	1/2	7,460.88	1/2	6,976.97	1/2	6,436.06	1/2	5,853.72	1/2	5,242.55	1/2	4,613.52	1/2	3,976.73	1/2	3,341.97
3/4	8,148.11	3/4	7,857.48	3/4	7,451.53	3/4	6,966.23	3/4	6,424.31	3/4	5,841.25	3/4	5,229.60	3/4	4,600.30	3/4	3,963.45	3/4	3,328.83
6	8,143.89	6	7,850.08	6	7,442.18	6	6,955.49	6	6,412.56	6	5,828.78	6	5,216.64	6	4,587.08	6	3,950.17	6	3,315.70
1/4	8,139.30	1/4	7,842.48	1/4	7,432.69	1/4	6,944.66	1/4	6,400.74	1/4	5,816.26	1/4	5,203.66	1/4	4,573.84	1/4	3,936.89	1/4	3,302.59
1/2	8,134.71	1/2	7,834.88	1/2	7,423.20	1/2	6,933.83	1/2	6,388.92	1/2	5,803.74	1/2	5,190.67	1/2	4,560.61	1/2	3,923.62	1/2	3,289.47
3/4	8,130.11	3/4	7,827.28	3/4	7,413.72	3/4	6,922.99	3/4	6,377.10	3/4	5,791.21	3/4	5,177.69	3/4	4,547.38	3/4	3,910.34	3/4	3,276.36
7	8,125.52	7	7,819.68	7	7,404.23	7	6,912.16	7	6,365.29	7	5,778.69	7	5,164.70	7	4,534.14	7	3,897.07	7	3,263.24
1/4	8,120.59	1/4	7,811.89	1/4	7,394.61	1/4	6,901.23	1/4	6,353.40	1/4	5,766.12	1/4	5,151.69	1/4	4,520.90	1/4	3,883.80	1/4	3,250.15
1/2	8,115.67	1/2	7,804.10	1/2	7,385.00	1/2	6,890.30	1/2	6,341.51	1/2	5,753.55	1/2	5,138.67	1/2	4,507.66	1/2	3,870.53	1/2	3,237.06
3/4	8,110.74	3/4	7,796.32	3/4	7,375.38	3/4	6,879.37	3/4	6,329.62	3/4	5,740.99	3/4	5,125.66	3/4	4,494.41	3/4	3,857.26	3/4	3,223.97
8	8,105.81	8	7,788.53	8	7,365.76	8	6,868.44	8	6,317.74	8	5,728.42	8	5,112.65	8	4,481.17	8	3,843.99	8	3,210.88
1/4	8,100.57	1/4	7,780.56	1/4	7,356.02	1/4	6,857.42	1/4	6,305.78	1/4	5,715.80	1/4	5,099.61	1/4	4,467.91	1/4	3,830.73	1/4	3,197.81
1/2	8,095.33	1/2	7,772.60	1/2	7,346.28	1/2	6,846.40	1/2	6,293.83	1/2	5,703.19	1/2	5,086.56	1/2	4,454.66	1/2	3,817.47	1/2	3,184.75
3/4	8,090.08	3/4	7,764.63	3/4	7,336.54	3/4	6,835.38	3/4	6,281.87	3/4	5,690.57	3/4	5,073.52	3/4	4,441.41	3/4	3,804.20	3/4	3,171.68
9	8,084.84	9	7,756.67	9	7,326.80	9	6,824.36	9	6,269.92	9	5,677.96	9	5,060.48	9	4,428.15	9	3,790.94	9	3,158.61
1/4	8,079.31	1/4	7,748.53	1/4	7,316.93	1/4	6,813.25	1/4	6,257.90	1/4	5,665.30	1/4	5,047.42	1/4	4,414.89	1/4	3,777.69	1/4	3,145.57
1/2	8,073.77	1/2	7,740.39	1/2	7,307.07	1/2	6,802.14	1/2	6,245.88	1/2	5,652.64	1/2	5,034.35	1/2	4,401.63	1/2	3,764.43	1/2	3,132.53
3/4	8,068.24	3/4	7,732.25	3/4	7,297.20	3/4	6,791.03	3/4	6,233.86	3/4	5,639.98	3/4	5,021.28	3/4	4,388.37	3/4	3,751.18	3/4	3,119.49
10	8,062.70	10	7,724.11	10	7,287.34	10	6,779.92	10	6,221.84	10	5,627.32	10	5,008.21	10	4,375.10	10	3,737.93	10	3,106.45
1/4	8,056.89	1/4	7,715.80	1/4	7,277.36	1/4	6,768.73	1/4	6,209.76	1/4	5,614.62	1/4	4,995.12	1/4	4,361.83	1/4	3,724.68	1/4	3,093.43
1/2	8,051.08	1/2	7,707.49	1/2	7,267.37	1/2	6,757.53	1/2	6,197.68	1/2	5,601.92	1/2	4,982.03	1/2	4,348.56	1/2	3,711.44	1/2	3,080.42
3/4	8,045.27	3/4	7,699.18	3/4	7,257.39	3/4	6,746.33	3/4	6,185.60	3/4	5,589.22	3/4	4,968.94	3/4	4,335.30	3/4	3,698.19	3/4	3,067.41
11	8,039.46	11	7,690.87	11	7,247.40	11	6,735.13	11	6,173.52	11	5,576.52	11	4,955.85	11	4,322.03	11	3,684.95	11	3,054.39
1/4	8,033.39	1/4	7,682.40	1/4	7,237.30	1/4	6,723.85	1/4	6,161.38	1/4	5,563.77	1/4	4,942.74	1/4	4,308.75	1/4	3,671.72	1/4	3,041.41
1/2	8,027.31	1/2	7,673.93	1/2	7,227.20	1/2	6,712.57	1/2	6,149.23	1/2	5,551.03	1/2	4,929.62	1/2	4,295.48	1/2	3,658.48	1/2	3,028.42
3/4	8,021.24	3/4	7,665.46	3/4	7,217.10	3/4	6,701.29	3/4	6,137.09	3/4	5,538.29	3/4	4,916.51	3/4	4,282.20	3/4	3,645.25	3/4	3,015.44

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.
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.

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



BARGE "EMS 406P"

STBD HORIZONTAL ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,002.45	0	2,390.35	0	1,806.58	0	1,263.61	0	776.86	0	367.74	0	72.40	0		0		0	
1/4	2,989.49	1/4	2,377.88	1/4	1,794.83	1/4	1,252.87	1/4	767.51	1/4	360.34	1/4	68.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,976.54	1/2	2,365.40	1/2	1,783.08	1/2	1,242.13	1/2	758.15	1/2	352.93	1/2	63.80	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,963.58	3/4	2,352.93	3/4	1,771.33	3/4	1,231.39	3/4	748.80	3/4	345.52	3/4	59.50	3/4	3/4	3/4	3/4	3/4	3/4
1	2,950.63	1	2,340.46	1	1,759.59	1	1,220.65	1	739.44	1	338.11	1	55.21	1	1	1	1	1	1
1/4	2,937.71	1/4	2,328.04	1/4	1,747.91	1/4	1,210.02	1/4	730.23	1/4	330.90	1/4	51.31	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,924.78	1/2	2,315.62	1/2	1,736.24	1/2	1,199.38	1/2	721.01	1/2	323.69	1/2	47.42	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,911.86	3/4	2,303.19	3/4	1,724.56	3/4	1,188.74	3/4	711.79	3/4	316.49	3/4	43.52	3/4	3/4	3/4	3/4	3/4	3/4
2	2,898.94	2	2,290.77	2	1,712.88	2	1,178.10	2	702.57	2	309.28	2	39.63	2	2	2	2	2	2
1/4	2,886.04	1/4	2,278.40	1/4	1,701.28	1/4	1,167.56	1/4	693.49	1/4	302.28	1/4	36.19	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,873.15	1/2	2,266.03	1/2	1,689.68	1/2	1,157.03	1/2	684.41	1/2	295.27	1/2	32.75	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,860.26	3/4	2,253.66	3/4	1,678.08	3/4	1,146.49	3/4	675.34	3/4	288.27	3/4	29.32	3/4	3/4	3/4	3/4	3/4	3/4
3	2,847.37	3	2,241.29	3	1,666.48	3	1,135.95	3	666.26	3	281.27	3	25.88	3	3	3	3	3	3
1/4	2,834.52	1/4	2,228.98	1/4	1,654.96	1/4	1,125.52	1/4	657.33	1/4	274.49	1/4	22.97	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,821.66	1/2	2,216.66	1/2	1,643.43	1/2	1,115.09	1/2	648.39	1/2	267.70	1/2	20.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,808.81	3/4	2,204.35	3/4	1,631.91	3/4	1,104.66	3/4	639.46	3/4	260.92	3/4	17.16	3/4	3/4	3/4	3/4	3/4	3/4
4	2,795.95	4	2,192.03	4	1,620.38	4	1,094.22	4	630.53	4	254.13	4	14.25	4	4	4	4	4	4
1/4	2,783.13	1/4	2,179.77	1/4	1,608.94	1/4	1,083.90	1/4	621.74	1/4	247.57	1/4	12.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,770.32	1/2	2,167.51	1/2	1,597.49	1/2	1,073.57	1/2	612.96	1/2	241.01	1/2	9.76	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,757.50	3/4	2,155.25	3/4	1,586.04	3/4	1,063.25	3/4	604.17	3/4	234.45	3/4	7.51	3/4	3/4	3/4	3/4	3/4	3/4
5	2,744.68	5	2,142.99	5	1,574.59	5	1,052.92	5	595.39	5	227.90	5	5.26	5	5	5	5	5	5
1/4	2,731.90	1/4	2,130.79	1/4	1,563.23	1/4	1,042.71	1/4	586.76	1/4	221.57	1/4	4.03	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,719.12	1/2	2,118.59	1/2	1,551.86	1/2	1,032.50	1/2	578.13	1/2	215.25	1/2	2.81	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,706.34	3/4	2,106.39	3/4	1,540.49	3/4	1,022.28	3/4	569.50	3/4	208.93	3/4	1.58	3/4	3/4	3/4	3/4	3/4	3/4
6	2,693.56	6	2,094.19	6	1,529.13	6	1,012.07	6	560.87	6	202.61	6	0.35	6	6	6	6	6	6
1/4	2,680.82	1/4	2,082.04	1/4	1,517.84	1/4	1,001.97	1/4	552.39	1/4	196.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,668.07	1/2	2,069.90	1/2	1,506.56	1/2	991.86	1/2	543.92	1/2	190.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,655.33	3/4	2,057.76	3/4	1,495.28	3/4	981.76	3/4	535.45	3/4	184.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,642.59	7	2,045.62	7	1,483.99	7	971.66	7	526.97	7	178.31	7		7	7	7	7	7	7
1/4	2,629.89	1/4	2,033.53	1/4	1,472.79	1/4	961.68	1/4	518.66	1/4	172.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,617.19	1/2	2,021.45	1/2	1,461.60	1/2	951.69	1/2	510.35	1/2	166.54	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,604.49	3/4	2,009.37	3/4	1,450.40	3/4	941.71	3/4	502.04	3/4	160.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,591.79	8	1,997.29	8	1,439.20	8	931.72	8	493.74	8	154.77	8		8	8	8	8	8	8
1/4	2,579.13	1/4	1,985.27	1/4	1,428.09	1/4	921.86	1/4	485.59	1/4	149.16	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,566.47	1/2	1,973.25	1/2	1,416.98	1/2	911.99	1/2	477.45	1/2	143.55	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,553.82	3/4	1,961.23	3/4	1,405.86	3/4	902.12	3/4	469.31	3/4	137.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,541.16	9	1,949.22	9	1,394.75	9	892.26	9	461.17	9	132.34	9		9	9	9	9	9	9
1/4	2,528.54	1/4	1,937.26	1/4	1,383.73	1/4	882.52	1/4	453.20	1/4	127.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,515.93	1/2	1,925.31	1/2	1,372.71	1/2	872.77	1/2	445.24	1/2	121.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,503.32	3/4	1,913.35	3/4	1,361.69	3/4	863.03	3/4	437.27	3/4	116.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,490.70	10	1,901.40	10	1,350.67	10	853.29	10	429.30	10	111.07	10		10	10	10	10	10	10
1/4	2,478.14	1/4	1,889.51	1/4	1,339.74	1/4	843.67	1/4	421.51	1/4	106.07	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,465.57	1/2	1,877.63	1/2	1,328.81	1/2	834.05	1/2	413.72	1/2	101.07	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,453.00	3/4	1,865.74	3/4	1,317.88	3/4	824.43	3/4	405.94	3/4	96.06	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,440.43	11	1,853.85	11	1,306.95	11	814.82	11	398.15	11	91.06	11		11	11	11	11	11	11
1/4	2,427.91	1/4	1,842.03	1/4	1,296.11	1/4	805.33	1/4	390.55	1/4	86.40	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,415.39	1/2	1,830.22	1/2	1,285.28	1/2	795.84	1/2	382.95	1/2	81.73	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,402.87	3/4	1,818.40	3/4	1,274.44	3/4	786.35	3/4	375.35	3/4	77.07	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2015 SW
CALCULATED: 02/06/2015 CL
PRINTED: 02/06/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2015

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