



BARGE "EMS 500"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-1/2	01-1/2	- 02-0/8	02-0/8	- 02-3/8	02-3/8
1 STBD	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-1/2	01-1/2	- 02-0/8	02-0/8	- 02-3/8	02-3/8
2 PORT	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-1/2	01-1/2	- 01-7/8	01-7/8	- 02-1/4	02-1/4
2 STBD	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-1/2	01-1/2	- 01-7/8	01-7/8	- 02-1/4	02-1/4
3 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
3 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 245'-00"

June 28, 2016

PRECISION MEASUREMENT
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BARGE "EMS 500"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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	4.23	0	300.15	0	647.38	0	1,006.80	0	1,366.52	0	1,726.24	0	2,085.96	0	2,445.69	0	2,805.41	0	3,165.13
1/4	8.04	1/4	307.01	1/4	654.86	1/4	1,014.29	1/4	1,374.02	1/4	1,733.74	1/4	2,093.46	1/4	2,453.18	1/4	2,812.90	1/4	3,172.62
1/2	11.86	1/2	313.86	1/2	662.34	1/2	1,021.79	1/2	1,381.51	1/2	1,741.23	1/2	2,100.95	1/2	2,460.67	1/2	2,820.40	1/2	3,180.12
3/4	15.67	3/4	320.72	3/4	669.82	3/4	1,029.28	3/4	1,389.00	3/4	1,748.73	3/4	2,108.45	3/4	2,468.17	3/4	2,827.89	3/4	3,187.61
1	19.48	1	327.57	1	677.30	1	1,036.78	1	1,396.50	1	1,756.22	1	2,115.94	1	2,475.66	1	2,835.38	1	3,195.11
1/4	25.24	1/4	334.50	1/4	684.78	1/4	1,044.27	1/4	1,403.99	1/4	1,763.71	1/4	2,123.44	1/4	2,483.16	1/4	2,842.88	1/4	3,202.60
1/2	31.00	1/2	341.43	1/2	692.26	1/2	1,051.77	1/2	1,411.49	1/2	1,771.21	1/2	2,130.93	1/2	2,490.65	1/2	2,850.37	1/2	3,210.09
3/4	36.76	3/4	348.36	3/4	699.73	3/4	1,059.26	3/4	1,418.98	3/4	1,778.70	3/4	2,138.42	3/4	2,498.15	3/4	2,857.87	3/4	3,217.59
2	42.52	2	355.29	2	707.21	2	1,066.75	2	1,426.48	2	1,786.20	2	2,145.92	2	2,505.64	2	2,865.36	2	3,225.08
1/4	48.62	1/4	362.30	1/4	714.69	1/4	1,074.25	1/4	1,433.97	1/4	1,793.69	1/4	2,153.41	1/4	2,513.13	1/4	2,872.86	1/4	3,232.58
1/2	54.72	1/2	369.30	1/2	722.17	1/2	1,081.74	1/2	1,441.46	1/2	1,801.19	1/2	2,160.91	1/2	2,520.63	1/2	2,880.35	1/2	3,240.07
3/4	60.82	3/4	376.31	3/4	729.65	3/4	1,089.24	3/4	1,448.96	3/4	1,808.68	3/4	2,168.40	3/4	2,528.12	3/4	2,887.84	3/4	3,247.57
3	66.93	3	383.31	3	737.13	3	1,096.73	3	1,456.45	3	1,816.17	3	2,175.90	3	2,535.62	3	2,895.34	3	3,255.06
1/4	73.10	1/4	390.39	1/4	744.61	1/4	1,104.22	1/4	1,463.95	1/4	1,823.67	1/4	2,183.39	1/4	2,543.11	1/4	2,902.83	1/4	3,262.55
1/2	79.28	1/2	397.47	1/2	752.09	1/2	1,111.72	1/2	1,471.44	1/2	1,831.16	1/2	2,190.88	1/2	2,550.61	1/2	2,910.33	1/2	3,270.05
3/4	85.46	3/4	404.55	3/4	759.57	3/4	1,119.21	3/4	1,478.93	3/4	1,838.66	3/4	2,198.38	3/4	2,558.10	3/4	2,917.82	3/4	3,277.54
4	91.64	4	411.63	4	767.05	4	1,126.71	4	1,486.43	4	1,846.15	4	2,205.87	4	2,565.59	4	2,925.32	4	3,285.04
1/4	97.89	1/4	418.79	1/4	774.53	1/4	1,134.20	1/4	1,493.92	1/4	1,853.64	1/4	2,213.37	1/4	2,573.09	1/4	2,932.81	1/4	3,292.53
1/2	104.14	1/2	425.94	1/2	782.00	1/2	1,141.70	1/2	1,501.42	1/2	1,861.14	1/2	2,220.86	1/2	2,580.58	1/2	2,940.30	1/2	3,300.03
3/4	110.40	3/4	433.10	3/4	789.48	3/4	1,149.19	3/4	1,508.91	3/4	1,868.63	3/4	2,228.35	3/4	2,588.08	3/4	2,947.80	3/4	3,307.52
5	116.65	5	440.25	5	796.96	5	1,156.68	5	1,516.41	5	1,876.13	5	2,235.85	5	2,595.57	5	2,955.29	5	3,315.01
1/4	122.98	1/4	447.48	1/4	804.46	1/4	1,164.18	1/4	1,523.90	1/4	1,883.62	1/4	2,243.34	1/4	2,603.06	1/4	2,962.79	1/4	3,322.51
1/2	129.30	1/2	454.72	1/2	811.95	1/2	1,171.67	1/2	1,531.39	1/2	1,891.12	1/2	2,250.84	1/2	2,610.56	1/2	2,970.28	1/2	3,330.00
3/4	135.63	3/4	461.95	3/4	819.45	3/4	1,179.17	3/4	1,538.89	3/4	1,898.61	3/4	2,258.33	3/4	2,618.05	3/4	2,977.77	3/4	3,337.50
6	141.96	6	469.18	6	826.94	6	1,186.66	6	1,546.38	6	1,906.10	6	2,265.83	6	2,625.55	6	2,985.27	6	3,344.99
1/4	148.36	1/4	476.48	1/4	834.43	1/4	1,194.16	1/4	1,553.88	1/4	1,913.60	1/4	2,273.32	1/4	2,633.04	1/4	2,992.76	1/4	3,352.48
1/2	154.77	1/2	483.79	1/2	841.93	1/2	1,201.65	1/2	1,561.37	1/2	1,921.09	1/2	2,280.81	1/2	2,640.54	1/2	3,000.26	1/2	3,359.98
3/4	161.17	3/4	491.09	3/4	849.42	3/4	1,209.14	3/4	1,568.87	3/4	1,928.59	3/4	2,288.31	3/4	2,648.03	3/4	3,007.75	3/4	3,367.47
7	167.57	7	498.40	7	856.92	7	1,216.64	7	1,576.36	7	1,936.08	7	2,295.80	7	2,655.52	7	3,015.25	7	3,374.97
1/4	174.05	1/4	505.77	1/4	864.41	1/4	1,224.13	1/4	1,583.85	1/4	1,943.58	1/4	2,303.30	1/4	2,663.02	1/4	3,022.74	1/4	3,382.46
1/2	180.53	1/2	513.13	1/2	871.90	1/2	1,231.63	1/2	1,591.35	1/2	1,951.07	1/2	2,310.79	1/2	2,670.51	1/2	3,030.23	1/2	3,389.96
3/4	187.01	3/4	520.50	3/4	879.40	3/4	1,239.12	3/4	1,598.84	3/4	1,958.56	3/4	2,318.29	3/4	2,678.01	3/4	3,037.73	3/4	3,397.45
8	193.49	8	527.87	8	886.89	8	1,246.61	8	1,606.34	8	1,966.06	8	2,325.78	8	2,685.50	8	3,045.22	8	3,404.94
1/4	200.04	1/4	535.31	1/4	894.39	1/4	1,254.11	1/4	1,613.83	1/4	1,973.55	1/4	2,333.27	1/4	2,693.00	1/4	3,052.72	1/4	3,412.44
1/2	206.60	1/2	542.75	1/2	901.88	1/2	1,261.60	1/2	1,621.32	1/2	1,981.05	1/2	2,340.77	1/2	2,700.49	1/2	3,060.21	1/2	3,419.93
3/4	213.15	3/4	550.19	3/4	909.38	3/4	1,269.10	3/4	1,628.82	3/4	1,988.54	3/4	2,348.26	3/4	2,707.98	3/4	3,067.71	3/4	3,427.43
9	219.70	9	557.63	9	916.87	9	1,276.59	9	1,636.31	9	1,996.03	9	2,355.76	9	2,715.48	9	3,075.20	9	3,434.92
1/4	226.33	1/4	565.11	1/4	924.36	1/4	1,284.09	1/4	1,643.81	1/4	2,003.53	1/4	2,363.25	1/4	2,722.97	1/4	3,082.69	1/4	3,442.42
1/2	232.96	1/2	572.59	1/2	931.86	1/2	1,291.58	1/2	1,651.30	1/2	2,011.02	1/2	2,370.74	1/2	2,730.47	1/2	3,090.19	1/2	3,449.91
3/4	239.59	3/4	580.07	3/4	939.35	3/4	1,299.07	3/4	1,658.80	3/4	2,018.52	3/4	2,378.24	3/4	2,737.96	3/4	3,097.68	3/4	3,457.40
10	246.22	10	587.55	10	946.85	10	1,306.57	10	1,666.29	10	2,026.01	10	2,385.73	10	2,745.45	10	3,105.18	10	3,464.90
1/4	252.92	1/4	595.03	1/4	954.34	1/4	1,314.06	1/4	1,673.78	1/4	2,033.51	1/4	2,393.23	1/4	2,752.95	1/4	3,112.67	1/4	3,472.37
1/2	259.63	1/2	602.51	1/2	961.83	1/2	1,321.56	1/2	1,681.28	1/2	2,041.00	1/2	2,400.72	1/2	2,760.44	1/2	3,120.16	1/2	3,479.85
3/4	266.33	3/4	609.99	3/4	969.33	3/4	1,329.05	3/4	1,688.77	3/4	2,048.49	3/4	2,408.22	3/4	2,767.94	3/4	3,127.66	3/4	3,487.33
11	273.04	11	617.46	11	976.82	11	1,336.54	11	1,696.27	11	2,055.99	11	2,415.71	11	2,775.43	11	3,135.15	11	3,494.81
1/4	279.82	1/4	624.94	1/4	984.32	1/4	1,344.04	1/4	1,703.76	1/4	2,063.48	1/4	2,423.20	1/4	2,782.93	1/4	3,142.65	1/4	3,502.25
1/2	286.59	1/2	632.42	1/2	991.81	1/2	1,351.53	1/2	1,711.25	1/2	2,070.98	1/2	2,430.70	1/2	2,790.42	1/2	3,150.14	1/2	3,509.69
3/4	293.37	3/4	639.90	3/4	999.31	3/4	1,359.03	3/4	1,718.75	3/4	2,078.47	3/4	2,438.19	3/4	2,797.91	3/4	3,157.64	3/4	3,517.13

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 TO TOP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "EMS 500"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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	3,524.58	0	3,871.08	0	4,197.09	0	4,503.37	0		0		0		0		0		0	
1/4	3,531.99	1/4	3,878.06	1/4	4,203.66	1/4	4,509.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,539.39	1/2	3,885.04	1/2	4,210.23	1/2	4,515.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,546.80	3/4	3,892.02	3/4	4,216.80	3/4	4,521.85	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,554.21	1	3,899.00	1	4,223.37	1	4,528.01	1		1		1		1		1		1	
1/4	3,561.59	1/4	3,905.95	1/4	4,229.90	1/4	4,534.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,568.96	1/2	3,912.89	1/2	4,236.44	1/2	4,540.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,576.34	3/4	3,919.84	3/4	4,242.97	3/4	4,546.38	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,583.71	2	3,926.78	2	4,249.51	2	4,552.50	2		2		2		2		2		2	
1/4	3,591.05	1/4	3,933.70	1/4	4,256.01	1/4	4,558.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,598.39	1/2	3,940.61	1/2	4,262.51	1/2	4,564.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,605.73	3/4	3,947.52	3/4	4,269.01	3/4	4,570.77	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,613.07	3	3,954.43	3	4,275.51	3	4,576.86	3		3		3		3		3		3	
1/4	3,620.38	1/4	3,961.31	1/4	4,281.98	1/4	4,582.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,627.68	1/2	3,968.19	1/2	4,288.44	1/2	4,588.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,634.99	3/4	3,975.06	3/4	4,294.91	3/4	4,595.03	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,642.29	4	3,981.94	4	4,301.38	4	4,601.08	4		4		4		4		4		4	
1/4	3,649.56	1/4	3,988.78	1/4	4,307.81	1/4	4,608.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,656.84	1/2	3,995.63	1/2	4,314.24	1/2	4,616.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,664.11	3/4	4,002.47	3/4	4,320.67	3/4	4,623.51	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,671.38	5	4,009.31	5	4,327.11	5	4,630.99	5		5		5		5		5		5	
1/4	3,678.62	1/4	4,016.12	1/4	4,333.50	1/4	4,638.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,685.85	1/2	4,022.93	1/2	4,339.90	1/2	4,645.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,693.09	3/4	4,029.74	3/4	4,346.30	3/4	4,653.42	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,700.33	6	4,036.55	6	4,352.70	6	4,660.90	6		6		6		6		6		6	
1/4	3,707.53	1/4	4,043.32	1/4	4,359.06	1/4	4,668.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,714.73	1/2	4,050.10	1/2	4,365.42	1/2	4,675.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,721.94	3/4	4,056.87	3/4	4,371.79	3/4	4,683.33	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,729.14	7	4,063.65	7	4,378.15	7	4,690.81	7		7		7		7		7		7	
1/4	3,736.31	1/4	4,070.39	1/4	4,384.48	1/4	4,698.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,743.48	1/2	4,077.13	1/2	4,390.81	1/2	4,705.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,750.65	3/4	4,083.87	3/4	4,397.14	3/4	4,712.75	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,757.82	8	4,090.61	8	4,403.47	8	4,720.07	8		8		8		8		8		8	
1/4	3,764.95	1/4	4,097.32	1/4	4,409.77	1/4	4,726.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,772.09	1/2	4,104.02	1/2	4,416.06	1/2	4,733.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,779.22	3/4	4,110.73	3/4	4,422.36	3/4	4,739.98	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,786.35	9	4,117.44	9	4,428.65	9	4,746.61	9		9		9		9		9		9	
1/4	3,793.45	1/4	4,124.11	1/4	4,434.91	1/4	4,751.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,800.55	1/2	4,130.78	1/2	4,441.17	1/2	4,757.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,807.66	3/4	4,137.45	3/4	4,447.43	3/4	4,762.43	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,814.76	10	4,144.12	10	4,453.70	10	4,767.70	10		10		10		10		10		10	
1/4	3,821.82	1/4	4,150.76	1/4	4,459.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,828.89	1/2	4,157.40	1/2	4,466.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,835.95	3/4	4,164.04	3/4	4,472.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,843.02	11	4,170.68	11	4,478.60	11		11		11		11		11		11		11	
1/4	3,850.03	1/4	4,177.28	1/4	4,484.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,857.05	1/2	4,183.88	1/2	4,490.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,864.06	3/4	4,190.49	3/4	4,497.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2016 SW
CALCULATED: 06/28/2016 CL
PRINTED: 06/28/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2016

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



BARGE "EMS 500"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	4.23	0	300.15	0	647.38	0	1,006.25	0	1,365.42	0	1,725.14	0	2,084.87	0	2,444.59	0	2,804.32	0	3,164.05
1/4	8.04	1/4	307.01	1/4	654.86	1/4	1,013.72	1/4	1,372.91	1/4	1,732.64	1/4	2,092.36	1/4	2,452.09	1/4	2,811.82	1/4	3,171.54
1/2	11.86	1/2	313.86	1/2	662.34	1/2	1,021.19	1/2	1,380.40	1/2	1,740.13	1/2	2,099.86	1/2	2,459.58	1/2	2,819.31	1/2	3,179.04
3/4	15.67	3/4	320.72	3/4	669.82	3/4	1,028.66	3/4	1,387.90	3/4	1,747.63	3/4	2,107.35	3/4	2,467.08	3/4	2,826.80	3/4	3,186.53
1	19.48	1	327.57	1	677.30	1	1,036.13	1	1,395.39	1	1,755.12	1	2,114.85	1	2,474.57	1	2,834.30	1	3,194.02
1/4	25.24	1/4	334.50	1/4	684.78	1/4	1,043.60	1/4	1,402.89	1/4	1,762.61	1/4	2,122.34	1/4	2,482.07	1/4	2,841.79	1/4	3,201.52
1/2	31.00	1/2	341.43	1/2	692.26	1/2	1,051.07	1/2	1,410.38	1/2	1,770.11	1/2	2,129.83	1/2	2,489.56	1/2	2,849.29	1/2	3,209.01
3/4	36.76	3/4	348.36	3/4	699.73	3/4	1,058.54	3/4	1,417.88	3/4	1,777.60	3/4	2,137.33	3/4	2,497.06	3/4	2,856.78	3/4	3,216.51
2	42.52	2	355.29	2	707.21	2	1,066.01	2	1,425.37	2	1,785.10	2	2,144.82	2	2,504.55	2	2,864.28	2	3,224.00
1/4	48.62	1/4	362.30	1/4	714.69	1/4	1,073.49	1/4	1,432.86	1/4	1,792.59	1/4	2,152.32	1/4	2,512.04	1/4	2,871.77	1/4	3,231.50
1/2	54.72	1/2	369.30	1/2	722.17	1/2	1,080.96	1/2	1,440.36	1/2	1,800.09	1/2	2,159.81	1/2	2,519.54	1/2	2,879.26	1/2	3,238.99
3/4	60.82	3/4	376.31	3/4	729.65	3/4	1,088.43	3/4	1,447.85	3/4	1,807.58	3/4	2,167.31	3/4	2,527.03	3/4	2,886.76	3/4	3,246.48
3	66.93	3	383.31	3	737.13	3	1,095.90	3	1,455.35	3	1,815.07	3	2,174.80	3	2,534.53	3	2,894.25	3	3,253.98
1/4	73.10	1/4	390.39	1/4	744.61	1/4	1,103.37	1/4	1,462.84	1/4	1,822.57	1/4	2,182.29	1/4	2,542.02	1/4	2,901.75	1/4	3,261.47
1/2	79.28	1/2	397.47	1/2	752.09	1/2	1,110.84	1/2	1,470.34	1/2	1,830.06	1/2	2,189.79	1/2	2,549.52	1/2	2,909.24	1/2	3,268.97
3/4	85.46	3/4	404.55	3/4	759.57	3/4	1,118.31	3/4	1,477.83	3/4	1,837.56	3/4	2,197.28	3/4	2,557.01	3/4	2,916.74	3/4	3,276.46
4	91.64	4	411.63	4	767.05	4	1,125.78	4	1,485.32	4	1,845.05	4	2,204.78	4	2,564.50	4	2,924.23	4	3,283.96
1/4	97.89	1/4	418.79	1/4	774.53	1/4	1,133.25	1/4	1,492.82	1/4	1,852.55	1/4	2,212.27	1/4	2,572.00	1/4	2,931.72	1/4	3,291.45
1/2	104.14	1/2	425.94	1/2	782.00	1/2	1,140.73	1/2	1,500.31	1/2	1,860.04	1/2	2,219.77	1/2	2,579.49	1/2	2,939.22	1/2	3,298.95
3/4	110.40	3/4	433.10	3/4	789.48	3/4	1,148.20	3/4	1,507.81	3/4	1,867.53	3/4	2,227.26	3/4	2,586.99	3/4	2,946.71	3/4	3,306.44
5	116.65	5	440.25	5	796.96	5	1,155.67	5	1,515.30	5	1,875.03	5	2,234.75	5	2,594.48	5	2,954.21	5	3,313.93
1/4	122.98	1/4	447.48	1/4	804.46	1/4	1,163.14	1/4	1,522.80	1/4	1,882.52	1/4	2,242.25	1/4	2,601.98	1/4	2,961.70	1/4	3,321.43
1/2	129.30	1/2	454.72	1/2	811.95	1/2	1,170.61	1/2	1,530.29	1/2	1,890.02	1/2	2,249.74	1/2	2,609.47	1/2	2,969.20	1/2	3,328.92
3/4	135.63	3/4	461.95	3/4	819.45	3/4	1,178.08	3/4	1,537.78	3/4	1,897.51	3/4	2,257.24	3/4	2,616.96	3/4	2,976.69	3/4	3,336.42
6	141.96	6	469.18	6	826.94	6	1,185.55	6	1,545.28	6	1,905.01	6	2,264.73	6	2,624.46	6	2,984.18	6	3,343.91
1/4	148.36	1/4	476.48	1/4	834.41	1/4	1,193.05	1/4	1,552.77	1/4	1,912.50	1/4	2,272.23	1/4	2,631.95	1/4	2,991.68	1/4	3,351.41
1/2	154.77	1/2	483.79	1/2	841.88	1/2	1,200.54	1/2	1,560.27	1/2	1,919.99	1/2	2,279.72	1/2	2,639.45	1/2	2,999.17	1/2	3,358.90
3/4	161.17	3/4	491.09	3/4	849.35	3/4	1,208.04	3/4	1,567.76	3/4	1,927.49	3/4	2,287.21	3/4	2,646.94	3/4	3,006.67	3/4	3,366.39
7	167.57	7	498.40	7	856.82	7	1,215.53	7	1,575.26	7	1,934.98	7	2,294.71	7	2,654.44	7	3,014.16	7	3,373.89
1/4	174.05	1/4	505.77	1/4	864.30	1/4	1,223.02	1/4	1,582.75	1/4	1,942.48	1/4	2,302.20	1/4	2,661.93	1/4	3,021.66	1/4	3,381.38
1/2	180.53	1/2	513.13	1/2	871.77	1/2	1,230.52	1/2	1,590.24	1/2	1,949.97	1/2	2,309.70	1/2	2,669.42	1/2	3,029.15	1/2	3,388.88
3/4	187.01	3/4	520.50	3/4	879.24	3/4	1,238.01	3/4	1,597.74	3/4	1,957.47	3/4	2,317.19	3/4	2,676.92	3/4	3,036.64	3/4	3,396.37
8	193.49	8	527.87	8	886.71	8	1,245.51	8	1,605.23	8	1,964.96	8	2,324.69	8	2,684.41	8	3,044.14	8	3,403.87
1/4	200.04	1/4	535.31	1/4	894.18	1/4	1,253.00	1/4	1,612.73	1/4	1,972.45	1/4	2,332.18	1/4	2,691.91	1/4	3,051.63	1/4	3,411.36
1/2	206.60	1/2	542.75	1/2	901.65	1/2	1,260.50	1/2	1,620.22	1/2	1,979.95	1/2	2,339.67	1/2	2,699.40	1/2	3,059.13	1/2	3,418.85
3/4	213.15	3/4	550.19	3/4	909.12	3/4	1,267.99	3/4	1,627.72	3/4	1,987.44	3/4	2,347.17	3/4	2,706.90	3/4	3,066.62	3/4	3,426.35
9	219.70	9	557.63	9	916.59	9	1,275.48	9	1,635.21	9	1,994.94	9	2,354.66	9	2,714.39	9	3,074.12	9	3,433.84
1/4	226.33	1/4	565.11	1/4	924.06	1/4	1,282.98	1/4	1,642.70	1/4	2,002.43	1/4	2,362.16	1/4	2,721.88	1/4	3,081.61	1/4	3,441.34
1/2	232.96	1/2	572.59	1/2	931.54	1/2	1,290.47	1/2	1,650.20	1/2	2,009.93	1/2	2,369.65	1/2	2,729.38	1/2	3,089.10	1/2	3,448.83
3/4	239.59	3/4	580.07	3/4	939.01	3/4	1,297.97	3/4	1,657.69	3/4	2,017.42	3/4	2,377.15	3/4	2,736.87	3/4	3,096.60	3/4	3,456.33
10	246.22	10	587.55	10	946.48	10	1,305.46	10	1,665.19	10	2,024.91	10	2,384.64	10	2,744.37	10	3,104.09	10	3,463.82
1/4	252.92	1/4	595.03	1/4	953.95	1/4	1,312.96	1/4	1,672.68	1/4	2,032.41	1/4	2,392.13	1/4	2,751.86	1/4	3,111.59	1/4	3,471.29
1/2	259.63	1/2	602.51	1/2	961.42	1/2	1,320.45	1/2	1,680.18	1/2	2,039.90	1/2	2,399.63	1/2	2,759.36	1/2	3,119.08	1/2	3,478.76
3/4	266.33	3/4	609.99	3/4	968.89	3/4	1,327.94	3/4	1,687.67	3/4	2,047.40	3/4	2,407.12	3/4	2,766.85	3/4	3,126.58	3/4	3,486.23
11	273.04	11	617.46	11	976.36	11	1,335.44	11	1,695.16	11	2,054.89	11	2,414.62	11	2,774.34	11	3,134.07	11	3,493.70
1/4	279.82	1/4	624.94	1/4	983.83	1/4	1,342.93	1/4	1,702.66	1/4	2,062.39	1/4	2,422.11	1/4	2,781.84	1/4	3,141.56	1/4	3,501.14
1/2	286.59	1/2	632.42	1/2	991.30	1/2	1,350.43	1/2	1,710.15	1/2	2,069.88	1/2	2,429.61	1/2	2,789.33	1/2	3,149.06	1/2	3,508.59
3/4	293.37	3/4	639.90	3/4	998.78	3/4	1,357.92	3/4	1,717.65	3/4	2,077.37	3/4	2,437.10	3/4	2,796.83	3/4	3,156.55	3/4	3,516.03

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 TO TOP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "EMS 500"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,523.47	0	3,869.97	0	4,195.98	0	4,502.27	0		0		0		0		0		0	
1/4	3,530.88	1/4	3,876.95	1/4	4,202.55	1/4	4,508.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,538.29	1/2	3,883.93	1/2	4,209.12	1/2	4,514.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,545.70	3/4	3,890.91	3/4	4,215.69	3/4	4,520.74	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,553.11	1	3,897.89	1	4,222.26	1	4,526.90	1		1		1		1		1		1	
1/4	3,560.48	1/4	3,904.84	1/4	4,228.80	1/4	4,533.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,567.85	1/2	3,911.78	1/2	4,235.33	1/2	4,539.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,575.23	3/4	3,918.73	3/4	4,241.87	3/4	4,545.27	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,582.60	2	3,925.68	2	4,248.40	2	4,551.40	2		2		2		2		2		2	
1/4	3,589.94	1/4	3,932.59	1/4	4,254.90	1/4	4,557.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,597.28	1/2	3,939.50	1/2	4,261.40	1/2	4,563.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,604.62	3/4	3,946.41	3/4	4,267.90	3/4	4,569.67	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,611.96	3	3,953.32	3	4,274.40	3	4,575.75	3		3		3		3		3		3	
1/4	3,619.27	1/4	3,960.20	1/4	4,280.87	1/4	4,581.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,626.57	1/2	3,967.08	1/2	4,287.34	1/2	4,587.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,633.88	3/4	3,973.96	3/4	4,293.80	3/4	4,593.92	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,641.19	4	3,980.83	4	4,300.27	4	4,599.98	4		4		4		4		4		4	
1/4	3,648.46	1/4	3,987.68	1/4	4,306.70	1/4	4,607.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,655.73	1/2	3,994.52	1/2	4,313.13	1/2	4,614.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,663.00	3/4	4,001.36	3/4	4,319.57	3/4	4,622.41	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,670.27	5	4,008.21	5	4,326.00	5	4,629.88	5		5		5		5		5		5	
1/4	3,677.51	1/4	4,015.02	1/4	4,332.40	1/4	4,637.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,684.75	1/2	4,021.83	1/2	4,338.80	1/2	4,644.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,691.98	3/4	4,028.63	3/4	4,345.19	3/4	4,652.32	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,699.22	6	4,035.44	6	4,351.59	6	4,659.79	6		6		6		6		6		6	
1/4	3,706.43	1/4	4,042.22	1/4	4,357.96	1/4	4,667.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,713.63	1/2	4,048.99	1/2	4,364.32	1/2	4,674.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,720.83	3/4	4,055.77	3/4	4,370.68	3/4	4,682.22	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,728.03	7	4,062.54	7	4,377.05	7	4,689.70	7		7		7		7		7		7	
1/4	3,735.20	1/4	4,069.28	1/4	4,383.38	1/4	4,697.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,742.37	1/2	4,076.02	1/2	4,389.71	1/2	4,704.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,749.54	3/4	4,082.76	3/4	4,396.03	3/4	4,711.65	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,756.71	8	4,089.50	8	4,402.36	8	4,718.96	8		8		8		8		8		8	
1/4	3,763.84	1/4	4,096.21	1/4	4,408.66	1/4	4,725.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,770.98	1/2	4,102.92	1/2	4,414.96	1/2	4,732.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,778.11	3/4	4,109.62	3/4	4,421.25	3/4	4,738.87	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,785.25	9	4,116.33	9	4,427.55	9	4,745.51	9		9		9		9		9		9	
1/4	3,792.35	1/4	4,123.00	1/4	4,433.81	1/4	4,750.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,799.45	1/2	4,129.67	1/2	4,440.07	1/2	4,756.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,806.55	3/4	4,136.35	3/4	4,446.33	3/4	4,761.32	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,813.65	10	4,143.02	10	4,452.59	10	4,766.60	10		10		10		10		10		10	
1/4	3,820.72	1/4	4,149.66	1/4	4,458.82	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,827.78	1/2	4,156.29	1/2	4,465.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,834.85	3/4	4,162.93	3/4	4,471.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,841.91	11	4,169.57	11	4,477.50	11		11		11		11		11		11		11	
1/4	3,848.93	1/4	4,176.17	1/4	4,483.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,855.94	1/2	4,182.78	1/2	4,489.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,862.96	3/4	4,189.38	3/4	4,496.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2016 SW
CALCULATED: 06/28/2016 CL
PRINTED: 06/28/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2016

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



BARGE "EMS 500"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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	17.52	0	368.64	0	729.13	0	1,089.62	0	1,450.41	0	1,811.20	0	2,171.99	0	2,532.79	0	2,893.58	0	3,254.37
1/4	22.89	1/4	376.16	1/4	736.63	1/4	1,097.13	1/4	1,457.93	1/4	1,818.72	1/4	2,179.51	1/4	2,540.30	1/4	2,901.09	1/4	3,261.89
1/2	28.26	1/2	383.67	1/2	744.13	1/2	1,104.65	1/2	1,465.44	1/2	1,826.23	1/2	2,187.03	1/2	2,547.82	1/2	2,908.61	1/2	3,269.40
3/4	33.63	3/4	391.19	3/4	751.63	3/4	1,112.17	3/4	1,472.96	3/4	1,833.75	3/4	2,194.54	3/4	2,555.34	3/4	2,916.13	3/4	3,276.92
1	39.00	1	398.70	1	759.13	1	1,119.68	1	1,480.48	1	1,841.27	1	2,202.06	1	2,562.85	1	2,923.64	1	3,284.44
1/4	46.24	1/4	406.22	1/4	766.63	1/4	1,127.20	1/4	1,487.99	1/4	1,848.78	1/4	2,209.58	1/4	2,570.37	1/4	2,931.16	1/4	3,291.95
1/2	53.49	1/2	413.74	1/2	774.13	1/2	1,134.72	1/2	1,495.51	1/2	1,856.30	1/2	2,217.09	1/2	2,577.88	1/2	2,938.68	1/2	3,299.47
3/4	60.74	3/4	421.25	3/4	781.64	3/4	1,142.23	3/4	1,503.03	3/4	1,863.82	3/4	2,224.61	3/4	2,585.40	3/4	2,946.19	3/4	3,306.99
2	67.99	2	428.77	2	789.14	2	1,149.75	2	1,510.54	2	1,871.33	2	2,232.13	2	2,592.92	2	2,953.71	2	3,314.50
1/4	75.50	1/4	436.29	1/4	796.64	1/4	1,157.27	1/4	1,518.06	1/4	1,878.85	1/4	2,239.64	1/4	2,600.43	1/4	2,961.23	1/4	3,322.02
1/2	83.02	1/2	443.80	1/2	804.14	1/2	1,164.78	1/2	1,525.57	1/2	1,886.37	1/2	2,247.16	1/2	2,607.95	1/2	2,968.74	1/2	3,329.53
3/4	90.54	3/4	451.32	3/4	811.64	3/4	1,172.30	3/4	1,533.09	3/4	1,893.88	3/4	2,254.68	3/4	2,615.47	3/4	2,976.26	3/4	3,337.05
3	98.05	3	458.84	3	819.14	3	1,179.82	3	1,540.61	3	1,901.40	3	2,262.19	3	2,622.98	3	2,983.78	3	3,344.57
1/4	105.57	1/4	466.35	1/4	826.65	1/4	1,187.33	1/4	1,548.12	1/4	1,908.92	1/4	2,269.71	1/4	2,630.50	1/4	2,991.29	1/4	3,352.08
1/2	113.09	1/2	473.87	1/2	834.15	1/2	1,194.85	1/2	1,555.64	1/2	1,916.43	1/2	2,277.22	1/2	2,638.02	1/2	2,998.81	1/2	3,359.60
3/4	120.60	3/4	481.38	3/4	841.65	3/4	1,202.37	3/4	1,563.16	3/4	1,923.95	3/4	2,284.74	3/4	2,645.53	3/4	3,006.33	3/4	3,367.12
4	128.12	4	488.90	4	849.15	4	1,209.88	4	1,570.67	4	1,931.47	4	2,292.26	4	2,653.05	4	3,013.84	4	3,374.63
1/4	135.63	1/4	496.42	1/4	856.65	1/4	1,217.40	1/4	1,578.19	1/4	1,938.98	1/4	2,299.77	1/4	2,660.57	1/4	3,021.36	1/4	3,382.15
1/2	143.15	1/2	503.93	1/2	864.15	1/2	1,224.91	1/2	1,585.71	1/2	1,946.50	1/2	2,307.29	1/2	2,668.08	1/2	3,028.87	1/2	3,389.67
3/4	150.67	3/4	511.45	3/4	871.65	3/4	1,232.43	3/4	1,593.22	3/4	1,954.02	3/4	2,314.81	3/4	2,675.60	3/4	3,036.39	3/4	3,397.18
5	158.18	5	518.97	5	879.16	5	1,239.95	5	1,600.74	5	1,961.53	5	2,322.32	5	2,683.12	5	3,043.91	5	3,404.70
1/4	165.70	1/4	526.48	1/4	886.67	1/4	1,247.46	1/4	1,608.26	1/4	1,969.05	1/4	2,329.84	1/4	2,690.63	1/4	3,051.42	1/4	3,412.22
1/2	173.22	1/2	534.00	1/2	894.19	1/2	1,254.98	1/2	1,615.77	1/2	1,976.56	1/2	2,337.36	1/2	2,698.15	1/2	3,058.94	1/2	3,419.73
3/4	180.73	3/4	541.51	3/4	901.71	3/4	1,262.50	3/4	1,623.29	3/4	1,984.08	3/4	2,344.87	3/4	2,705.67	3/4	3,066.46	3/4	3,427.25
6	188.25	6	549.03	6	909.22	6	1,270.01	6	1,630.81	6	1,991.60	6	2,352.39	6	2,713.18	6	3,073.97	6	3,434.77
1/4	195.76	1/4	556.55	1/4	916.74	1/4	1,277.53	1/4	1,638.32	1/4	1,999.11	1/4	2,359.91	1/4	2,720.70	1/4	3,081.49	1/4	3,442.28
1/2	203.28	1/2	564.06	1/2	924.25	1/2	1,285.05	1/2	1,645.84	1/2	2,006.63	1/2	2,367.42	1/2	2,728.21	1/2	3,089.01	1/2	3,449.80
3/4	210.80	3/4	571.58	3/4	931.77	3/4	1,292.56	3/4	1,653.36	3/4	2,014.15	3/4	2,374.94	3/4	2,735.73	3/4	3,096.52	3/4	3,457.32
7	218.31	7	579.10	7	939.29	7	1,300.08	7	1,660.87	7	2,021.66	7	2,382.46	7	2,743.25	7	3,104.04	7	3,464.83
1/4	225.83	1/4	586.60	1/4	946.80	1/4	1,307.60	1/4	1,668.39	1/4	2,029.18	1/4	2,389.97	1/4	2,750.76	1/4	3,111.56	1/4	3,472.35
1/2	233.35	1/2	594.10	1/2	954.32	1/2	1,315.11	1/2	1,675.90	1/2	2,036.70	1/2	2,397.49	1/2	2,758.28	1/2	3,119.07	1/2	3,479.86
3/4	240.86	3/4	601.60	3/4	961.84	3/4	1,322.63	3/4	1,683.42	3/4	2,044.21	3/4	2,405.01	3/4	2,765.80	3/4	3,126.59	3/4	3,487.38
8	248.38	8	609.10	8	969.35	8	1,330.15	8	1,690.94	8	2,051.73	8	2,412.52	8	2,773.31	8	3,134.11	8	3,494.90
1/4	255.89	1/4	616.60	1/4	976.87	1/4	1,337.66	1/4	1,698.45	1/4	2,059.25	1/4	2,420.04	1/4	2,780.83	1/4	3,141.62	1/4	3,502.41
1/2	263.41	1/2	624.10	1/2	984.39	1/2	1,345.18	1/2	1,705.97	1/2	2,066.76	1/2	2,427.55	1/2	2,788.35	1/2	3,149.14	1/2	3,509.93
3/4	270.93	3/4	631.61	3/4	991.90	3/4	1,352.70	3/4	1,713.49	3/4	2,074.28	3/4	2,435.07	3/4	2,795.86	3/4	3,156.66	3/4	3,517.45
9	278.44	9	639.11	9	999.42	9	1,360.21	9	1,721.00	9	2,081.80	9	2,442.59	9	2,803.38	9	3,164.17	9	3,524.96
1/4	285.96	1/4	646.61	1/4	1,006.94	1/4	1,367.73	1/4	1,728.52	1/4	2,089.31	1/4	2,450.10	1/4	2,810.90	1/4	3,171.69	1/4	3,532.48
1/2	293.48	1/2	654.11	1/2	1,014.45	1/2	1,375.24	1/2	1,736.04	1/2	2,096.83	1/2	2,457.62	1/2	2,818.41	1/2	3,179.20	1/2	3,540.00
3/4	300.99	3/4	661.61	3/4	1,021.97	3/4	1,382.76	3/4	1,743.55	3/4	2,104.35	3/4	2,465.14	3/4	2,825.93	3/4	3,186.72	3/4	3,547.51
10	308.51	10	669.11	10	1,029.49	10	1,390.28	10	1,751.07	10	2,111.86	10	2,472.65	10	2,833.45	10	3,194.24	10	3,555.03
1/4	316.03	1/4	676.62	1/4	1,037.00	1/4	1,397.79	1/4	1,758.59	1/4	2,119.38	1/4	2,480.17	1/4	2,840.96	1/4	3,201.75	1/4	3,562.54
1/2	323.54	1/2	684.12	1/2	1,044.52	1/2	1,405.31	1/2	1,766.10	1/2	2,126.89	1/2	2,487.69	1/2	2,848.48	1/2	3,209.27	1/2	3,570.04
3/4	331.06	3/4	691.62	3/4	1,052.04	3/4	1,412.83	3/4	1,773.62	3/4	2,134.41	3/4	2,495.20	3/4	2,856.00	3/4	3,216.79	3/4	3,577.55
11	338.57	11	699.12	11	1,059.55	11	1,420.34	11	1,781.14	11	2,141.93	11	2,502.72	11	2,863.51	11	3,224.30	11	3,585.05
1/4	346.09	1/4	706.62	1/4	1,067.07	1/4	1,427.86	1/4	1,788.65	1/4	2,149.44	1/4	2,510.24	1/4	2,871.03	1/4	3,231.82	1/4	3,592.52
1/2	353.61	1/2	714.12	1/2	1,074.58	1/2	1,435.38	1/2	1,796.17	1/2	2,156.96	1/2	2,517.75	1/2	2,878.54	1/2	3,239.34	1/2	3,599.98
3/4	361.12	3/4	721.62	3/4	1,082.10	3/4	1,442.89	3/4	1,803.69	3/4	2,164.48	3/4	2,525.27	3/4	2,886.06	3/4	3,246.85	3/4	3,607.45

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 TO TOP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "EMS 500"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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	3,614.91	0	3,962.50	0	4,289.60	0	4,597.00	0		0		0		0		0		0	
1/4	3,622.34	1/4	3,969.50	1/4	4,296.20	1/4	4,603.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,629.78	1/2	3,976.50	1/2	4,302.79	1/2	4,609.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,637.21	3/4	3,983.51	3/4	4,309.38	3/4	4,615.54	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,644.64	1	3,990.51	1	4,315.97	1	4,621.72	1		1		1		1		1		1	
1/4	3,652.03	1/4	3,997.48	1/4	4,322.53	1/4	4,627.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,659.43	1/2	4,004.45	1/2	4,329.09	1/2	4,634.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,666.83	3/4	4,011.41	3/4	4,335.65	3/4	4,640.16	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,674.23	2	4,018.38	2	4,342.21	2	4,646.31	2		2		2		2		2		2	
1/4	3,681.59	1/4	4,025.32	1/4	4,348.73	1/4	4,652.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,688.95	1/2	4,032.25	1/2	4,355.25	1/2	4,658.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,696.31	3/4	4,039.19	3/4	4,361.78	3/4	4,664.65	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,703.68	3	4,046.12	3	4,368.30	3	4,670.76	3		3		3		3		3		3	
1/4	3,711.00	1/4	4,053.02	1/4	4,374.79	1/4	4,676.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,718.33	1/2	4,059.92	1/2	4,381.28	1/2	4,682.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,725.66	3/4	4,066.82	3/4	4,387.77	3/4	4,689.00	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,732.99	4	4,073.72	4	4,394.26	4	4,695.08	4		4		4		4		4		4	
1/4	3,740.28	1/4	4,080.59	1/4	4,400.71	1/4	4,702.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,747.58	1/2	4,087.46	1/2	4,407.17	1/2	4,710.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,754.87	3/4	4,094.32	3/4	4,413.62	3/4	4,717.58	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,762.16	5	4,101.19	5	4,420.08	5	4,725.08	5		5		5		5		5		5	
1/4	3,769.42	1/4	4,108.02	1/4	4,426.50	1/4	4,732.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,776.68	1/2	4,114.85	1/2	4,432.92	1/2	4,740.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,783.94	3/4	4,121.68	3/4	4,439.34	3/4	4,747.57	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,791.20	6	4,128.52	6	4,445.76	6	4,755.07	6		6		6		6		6		6	
1/4	3,798.43	1/4	4,135.31	1/4	4,452.15	1/4	4,762.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,805.66	1/2	4,142.11	1/2	4,458.54	1/2	4,770.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,812.88	3/4	4,148.91	3/4	4,464.93	3/4	4,777.57	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,820.11	7	4,155.71	7	4,471.31	7	4,785.07	7		7		7		7		7		7	
1/4	3,827.30	1/4	4,162.47	1/4	4,477.66	1/4	4,792.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,834.49	1/2	4,169.23	1/2	4,484.02	1/2	4,799.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,841.68	3/4	4,176.00	3/4	4,490.37	3/4	4,807.08	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,848.87	8	4,182.76	8	4,496.72	8	4,814.42	8		8		8		8		8		8	
1/4	3,856.03	1/4	4,189.49	1/4	4,503.04	1/4	4,821.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,863.19	1/2	4,196.22	1/2	4,509.36	1/2	4,827.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,870.34	3/4	4,202.95	3/4	4,515.68	3/4	4,834.38	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,877.50	9	4,209.68	9	4,522.00	9	4,841.04	9		9		9		9		9		9	
1/4	3,884.62	1/4	4,216.37	1/4	4,528.28	1/4	4,846.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,891.75	1/2	4,223.07	1/2	4,534.56	1/2	4,851.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,898.87	3/4	4,229.76	3/4	4,540.85	3/4	4,856.90	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,905.99	10	4,236.46	10	4,547.13	10	4,862.19	10		10		10		10		10		10	
1/4	3,913.08	1/4	4,243.12	1/4	4,553.38	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,920.17	1/2	4,249.78	1/2	4,559.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,927.26	3/4	4,256.44	3/4	4,565.88	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,934.35	11	4,263.10	11	4,572.13	11		11		11		11		11		11		11	
1/4	3,941.38	1/4	4,269.72	1/4	4,578.35	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,948.42	1/2	4,276.35	1/2	4,584.56	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,955.46	3/4	4,282.98	3/4	4,590.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2016 SW
CALCULATED: 06/28/2016 CL
PRINTED: 06/28/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2016

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



BARGE "EMS 500"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.51	0	368.31	0	722.14	0	1,073.45	0	1,433.92	0	1,794.40	0	2,154.88	0	2,515.35	0	2,875.83	0	3,236.30
1/4	22.87	1/4	375.82	1/4	729.32	1/4	1,080.96	1/4	1,441.43	1/4	1,801.91	1/4	2,162.38	1/4	2,522.86	1/4	2,883.34	1/4	3,243.81
1/2	28.23	1/2	383.33	1/2	736.50	1/2	1,088.47	1/2	1,448.94	1/2	1,809.42	1/2	2,169.89	1/2	2,530.37	1/2	2,890.85	1/2	3,251.32
3/4	33.60	3/4	390.84	3/4	743.68	3/4	1,095.98	3/4	1,456.45	3/4	1,816.93	3/4	2,177.40	3/4	2,537.88	3/4	2,898.36	3/4	3,258.83
1	38.96	1	398.35	1	750.86	1	1,103.49	1	1,463.96	1	1,824.44	1	2,184.91	1	2,545.39	1	2,905.87	1	3,266.34
1/4	46.20	1/4	405.86	1/4	758.04	1/4	1,111.00	1/4	1,471.47	1/4	1,831.95	1/4	2,192.42	1/4	2,552.90	1/4	2,913.37	1/4	3,273.85
1/2	53.44	1/2	413.37	1/2	765.21	1/2	1,118.51	1/2	1,478.98	1/2	1,839.46	1/2	2,199.93	1/2	2,560.41	1/2	2,920.88	1/2	3,281.36
3/4	60.69	3/4	420.88	3/4	772.39	3/4	1,126.02	3/4	1,486.49	3/4	1,846.97	3/4	2,207.44	3/4	2,567.92	3/4	2,928.39	3/4	3,288.87
2	67.93	2	428.39	2	779.57	2	1,133.53	2	1,494.00	2	1,854.48	2	2,214.95	2	2,575.43	2	2,935.90	2	3,296.38
1/4	75.44	1/4	435.90	1/4	786.75	1/4	1,141.04	1/4	1,501.51	1/4	1,861.99	1/4	2,224.46	1/4	2,582.94	1/4	2,943.41	1/4	3,303.89
1/2	82.95	1/2	443.41	1/2	793.93	1/2	1,148.55	1/2	1,509.02	1/2	1,869.50	1/2	2,229.97	1/2	2,590.45	1/2	2,950.92	1/2	3,311.40
3/4	90.46	3/4	450.92	3/4	801.10	3/4	1,156.06	3/4	1,516.53	3/4	1,877.01	3/4	2,237.48	3/4	2,597.96	3/4	2,958.43	3/4	3,318.91
3	97.97	3	458.43	3	808.28	3	1,163.57	3	1,524.04	3	1,884.52	3	2,244.99	3	2,605.47	3	2,965.94	3	3,326.42
1/4	105.48	1/4	465.94	1/4	815.46	1/4	1,171.08	1/4	1,531.55	1/4	1,892.03	1/4	2,252.50	1/4	2,612.98	1/4	2,973.45	1/4	3,333.93
1/2	112.99	1/2	473.45	1/2	822.64	1/2	1,178.59	1/2	1,539.06	1/2	1,899.54	1/2	2,260.01	1/2	2,620.49	1/2	2,980.96	1/2	3,341.44
3/4	120.49	3/4	480.96	3/4	829.82	3/4	1,186.10	3/4	1,546.57	3/4	1,907.05	3/4	2,267.52	3/4	2,628.00	3/4	2,988.47	3/4	3,348.95
4	128.00	4	488.46	4	837.00	4	1,193.61	4	1,554.08	4	1,914.56	4	2,275.03	4	2,635.51	4	2,995.98	4	3,356.46
1/4	135.51	1/4	495.97	1/4	844.17	1/4	1,201.12	1/4	1,561.59	1/4	1,922.07	1/4	2,282.54	1/4	2,643.02	1/4	3,003.49	1/4	3,363.97
1/2	143.02	1/2	503.48	1/2	851.35	1/2	1,208.63	1/2	1,569.10	1/2	1,929.58	1/2	2,290.05	1/2	2,650.53	1/2	3,011.00	1/2	3,371.48
3/4	150.53	3/4	510.99	3/4	858.53	3/4	1,216.14	3/4	1,576.61	3/4	1,937.09	3/4	2,297.56	3/4	2,658.04	3/4	3,018.51	3/4	3,378.99
5	158.04	5	518.50	5	865.71	5	1,223.65	5	1,584.12	5	1,944.60	5	2,305.07	5	2,665.55	5	3,026.02	5	3,386.50
1/4	165.55	1/4	526.01	1/4	872.90	1/4	1,231.16	1/4	1,591.63	1/4	1,952.11	1/4	2,312.58	1/4	2,673.06	1/4	3,033.53	1/4	3,394.01
1/2	173.06	1/2	533.52	1/2	880.09	1/2	1,238.67	1/2	1,599.14	1/2	1,959.62	1/2	2,320.09	1/2	2,680.57	1/2	3,041.04	1/2	3,401.52
3/4	180.57	3/4	541.03	3/4	887.29	3/4	1,246.18	3/4	1,606.65	3/4	1,967.13	3/4	2,327.60	3/4	2,688.08	3/4	3,048.55	3/4	3,409.03
6	188.08	6	548.54	6	894.48	6	1,253.69	6	1,614.16	6	1,974.64	6	2,335.11	6	2,695.59	6	3,056.06	6	3,416.54
1/4	195.59	1/4	556.05	1/4	901.67	1/4	1,261.20	1/4	1,621.67	1/4	1,982.15	1/4	2,342.62	1/4	2,703.10	1/4	3,063.57	1/4	3,424.05
1/2	203.10	1/2	563.56	1/2	908.87	1/2	1,268.71	1/2	1,629.18	1/2	1,989.66	1/2	2,350.13	1/2	2,710.61	1/2	3,071.08	1/2	3,431.56
3/4	210.61	3/4	571.07	3/4	916.06	3/4	1,276.22	3/4	1,636.69	3/4	1,997.17	3/4	2,357.64	3/4	2,718.12	3/4	3,078.59	3/4	3,439.07
7	218.12	7	578.58	7	923.25	7	1,283.73	7	1,644.20	7	2,004.68	7	2,365.15	7	2,725.63	7	3,086.10	7	3,446.58
1/4	225.63	1/4	585.76	1/4	930.76	1/4	1,291.24	1/4	1,651.71	1/4	2,012.19	1/4	2,372.66	1/4	2,733.14	1/4	3,093.61	1/4	3,454.09
1/2	233.14	1/2	592.94	1/2	938.27	1/2	1,298.75	1/2	1,659.22	1/2	2,019.70	1/2	2,380.17	1/2	2,740.65	1/2	3,101.12	1/2	3,461.60
3/4	240.65	3/4	600.11	3/4	945.78	3/4	1,306.26	3/4	1,666.73	3/4	2,027.21	3/4	2,387.68	3/4	2,748.16	3/4	3,108.63	3/4	3,469.11
8	248.16	8	607.29	8	953.29	8	1,313.77	8	1,674.24	8	2,034.72	8	2,395.19	8	2,755.67	8	3,116.14	8	3,476.62
1/4	255.67	1/4	614.47	1/4	960.80	1/4	1,321.28	1/4	1,681.75	1/4	2,042.23	1/4	2,402.70	1/4	2,763.18	1/4	3,123.65	1/4	3,484.13
1/2	263.18	1/2	621.65	1/2	968.31	1/2	1,328.79	1/2	1,689.26	1/2	2,049.74	1/2	2,410.21	1/2	2,770.69	1/2	3,131.16	1/2	3,491.64
3/4	270.69	3/4	628.83	3/4	975.82	3/4	1,336.30	3/4	1,696.77	3/4	2,057.25	3/4	2,417.72	3/4	2,778.20	3/4	3,138.67	3/4	3,499.15
9	278.20	9	636.01	9	983.33	9	1,343.81	9	1,704.28	9	2,064.76	9	2,425.23	9	2,785.71	9	3,146.18	9	3,506.66
1/4	285.71	1/4	643.18	1/4	990.84	1/4	1,351.32	1/4	1,711.79	1/4	2,072.27	1/4	2,432.74	1/4	2,793.22	1/4	3,153.69	1/4	3,514.17
1/2	293.22	1/2	650.36	1/2	998.35	1/2	1,358.83	1/2	1,719.30	1/2	2,079.78	1/2	2,440.25	1/2	2,800.73	1/2	3,161.20	1/2	3,521.68
3/4	300.73	3/4	657.54	3/4	1,005.86	3/4	1,366.34	3/4	1,726.81	3/4	2,087.29	3/4	2,447.76	3/4	2,808.24	3/4	3,168.71	3/4	3,529.19
10	308.23	10	664.72	10	1,013.37	10	1,373.85	10	1,734.32	10	2,094.80	10	2,455.27	10	2,815.75	10	3,176.22	10	3,536.70
1/4	315.74	1/4	671.90	1/4	1,020.88	1/4	1,381.36	1/4	1,741.83	1/4	2,102.31	1/4	2,462.78	1/4	2,823.26	1/4	3,183.73	1/4	3,544.19
1/2	323.25	1/2	679.07	1/2	1,028.39	1/2	1,388.87	1/2	1,749.34	1/2	2,109.82	1/2	2,470.29	1/2	2,830.77	1/2	3,191.24	1/2	3,551.68
3/4	330.76	3/4	686.25	3/4	1,035.90	3/4	1,396.38	3/4	1,756.85	3/4	2,117.33	3/4	2,477.80	3/4	2,838.28	3/4	3,198.75	3/4	3,559.18
11	338.27	11	693.43	11	1,043.41	11	1,403.89	11	1,764.36	11	2,124.84	11	2,485.31	11	2,845.79	11	3,206.26	11	3,566.67
1/4	345.78	1/4	700.61	1/4	1,050.92	1/4	1,411.39	1/4	1,771.87	1/4	2,132.35	1/4	2,492.82	1/4	2,853.30	1/4	3,213.77	1/4	3,574.13
1/2	353.29	1/2	707.79	1/2	1,058.43	1/2	1,418.90	1/2	1,779.38	1/2	2,139.86	1/2	2,500.33	1/2	2,860.81	1/2	3,221.28	1/2	3,581.59
3/4	360.80	3/4	714.97	3/4	1,065.94	3/4	1,426.41	3/4	1,786.89	3/4	2,147.37	3/4	2,507.84	3/4	2,868.32	3/4	3,228.79	3/4	3,589.04

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 TO TOP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "EMS 500"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,596.50	0	3,943.78	0	4,270.59	0	4,577.71	0		0		0		0		0		0	
1/4	3,603.93	1/4	3,950.77	1/4	4,277.18	1/4	4,583.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,611.35	1/2	3,957.77	1/2	4,283.77	1/2	4,590.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,618.78	3/4	3,964.77	3/4	4,290.35	3/4	4,596.24	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,626.20	1	3,971.76	1	4,296.94	1	4,602.42	1		1		1		1		1		1	
1/4	3,633.59	1/4	3,978.73	1/4	4,303.49	1/4	4,608.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,640.98	1/2	3,985.69	1/2	4,310.04	1/2	4,614.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,648.37	3/4	3,992.65	3/4	4,316.60	3/4	4,620.84	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,655.76	2	3,999.61	2	4,323.15	2	4,626.98	2		2		2		2		2		2	
1/4	3,663.12	1/4	4,006.54	1/4	4,329.67	1/4	4,633.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,670.47	1/2	4,013.47	1/2	4,336.18	1/2	4,639.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,677.83	3/4	4,020.40	3/4	4,342.70	3/4	4,645.31	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,685.18	3	4,027.33	3	4,349.22	3	4,651.41	3		3		3		3		3		3	
1/4	3,692.51	1/4	4,034.22	1/4	4,355.70	1/4	4,657.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,699.83	1/2	4,041.12	1/2	4,362.19	1/2	4,663.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,707.15	3/4	4,048.01	3/4	4,368.67	3/4	4,669.63	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,714.47	4	4,054.90	4	4,375.16	4	4,675.71	4		4		4		4		4		4	
1/4	3,721.76	1/4	4,061.76	1/4	4,381.60	1/4	4,683.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.05	1/2	4,068.62	1/2	4,388.05	1/2	4,690.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,736.33	3/4	4,075.48	3/4	4,394.50	3/4	4,698.19	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,743.62	5	4,082.34	5	4,400.95	5	4,705.68	5		5		5		5		5		5	
1/4	3,750.88	1/4	4,089.17	1/4	4,407.37	1/4	4,713.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,758.13	1/2	4,096.00	1/2	4,413.78	1/2	4,720.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,765.38	3/4	4,102.82	3/4	4,420.20	3/4	4,728.16	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,772.64	6	4,109.65	6	4,426.62	6	4,735.65	6		6		6		6		6		6	
1/4	3,779.86	1/4	4,116.44	1/4	4,433.00	1/4	4,743.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,787.07	1/2	4,123.23	1/2	4,439.38	1/2	4,750.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,794.29	3/4	4,130.02	3/4	4,445.76	3/4	4,758.13	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,801.51	7	4,136.81	7	4,452.14	7	4,765.62	7		7		7		7		7		7	
1/4	3,808.70	1/4	4,143.57	1/4	4,458.49	1/4	4,772.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,815.88	1/2	4,150.33	1/2	4,464.83	1/2	4,780.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,823.07	3/4	4,157.09	3/4	4,471.18	3/4	4,787.61	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,830.25	8	4,163.84	8	4,477.53	8	4,794.95	8		8		8		8		8		8	
1/4	3,837.40	1/4	4,170.57	1/4	4,483.84	1/4	4,801.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,844.55	1/2	4,177.29	1/2	4,490.15	1/2	4,808.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,851.71	3/4	4,184.01	3/4	4,496.47	3/4	4,814.89	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,858.86	9	4,190.74	9	4,502.78	9	4,821.53	9		9		9		9		9		9	
1/4	3,865.97	1/4	4,197.42	1/4	4,509.06	1/4	4,826.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,873.09	1/2	4,204.11	1/2	4,515.34	1/2	4,832.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,880.21	3/4	4,210.80	3/4	4,521.62	3/4	4,837.39	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,887.32	10	4,217.49	10	4,527.89	10	4,842.67	10		10		10		10		10		10	
1/4	3,894.41	1/4	4,224.15	1/4	4,534.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,901.49	1/2	4,230.80	1/2	4,540.38	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,908.57	3/4	4,237.46	3/4	4,546.63	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,915.65	11	4,244.11	11	4,552.87	11		11		11		11		11		11		11	
1/4	3,922.68	1/4	4,250.73	1/4	4,559.08	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,929.71	1/2	4,257.35	1/2	4,565.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,936.75	3/4	4,263.97	3/4	4,571.50	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2016 SW
CALCULATED: 06/28/2016 CL
PRINTED: 06/28/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2016

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



BARGE "EMS 500"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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	17.57	0	369.62	0	731.06	0	1,092.51	0	1,454.26	0	1,816.01	0	2,177.76	0	2,539.36	0	2,900.95	0	3,262.53
1/4	22.95	1/4	377.15	1/4	738.58	1/4	1,100.04	1/4	1,461.80	1/4	1,823.55	1/4	2,185.30	1/4	2,546.89	1/4	2,908.48	1/4	3,270.06
1/2	28.33	1/2	384.69	1/2	746.10	1/2	1,107.58	1/2	1,469.33	1/2	1,831.08	1/2	2,192.84	1/2	2,554.43	1/2	2,916.01	1/2	3,277.60
3/4	33.72	3/4	392.22	3/4	753.62	3/4	1,115.12	3/4	1,476.87	3/4	1,838.62	3/4	2,200.37	3/4	2,561.96	3/4	2,923.54	3/4	3,285.13
1	39.10	1	399.76	1	761.14	1	1,122.65	1	1,484.41	1	1,846.16	1	2,207.91	1	2,569.49	1	2,931.08	1	3,292.66
1/4	46.37	1/4	407.30	1/4	768.66	1/4	1,130.19	1/4	1,491.94	1/4	1,853.69	1/4	2,215.44	1/4	2,577.03	1/4	2,938.61	1/4	3,300.19
1/2	53.63	1/2	414.83	1/2	776.19	1/2	1,137.73	1/2	1,499.48	1/2	1,861.23	1/2	2,222.98	1/2	2,584.56	1/2	2,946.14	1/2	3,307.73
3/4	60.90	3/4	422.37	3/4	783.71	3/4	1,145.26	3/4	1,507.01	3/4	1,868.77	3/4	2,230.51	3/4	2,592.09	3/4	2,953.68	3/4	3,315.26
2	68.17	2	429.91	2	791.23	2	1,152.80	2	1,514.55	2	1,876.30	2	2,238.04	2	2,599.63	2	2,961.21	2	3,322.79
1/4	75.70	1/4	437.44	1/4	798.75	1/4	1,160.34	1/4	1,522.09	1/4	1,883.84	1/4	2,245.57	1/4	2,607.16	1/4	2,968.74	1/4	3,330.33
1/2	83.24	1/2	444.98	1/2	806.27	1/2	1,167.87	1/2	1,529.62	1/2	1,891.38	1/2	2,253.11	1/2	2,614.69	1/2	2,976.28	1/2	3,337.86
3/4	90.78	3/4	452.51	3/4	813.79	3/4	1,175.41	3/4	1,537.16	3/4	1,898.91	3/4	2,260.64	3/4	2,622.22	3/4	2,983.81	3/4	3,345.39
3	98.31	3	460.05	3	821.31	3	1,182.95	3	1,544.70	3	1,906.45	3	2,268.17	3	2,629.76	3	2,991.34	3	3,352.93
1/4	105.85	1/4	467.59	1/4	828.84	1/4	1,190.48	1/4	1,552.23	1/4	1,913.99	1/4	2,275.71	1/4	2,637.29	1/4	2,998.87	1/4	3,360.46
1/2	113.38	1/2	475.12	1/2	836.36	1/2	1,198.02	1/2	1,559.77	1/2	1,921.52	1/2	2,283.24	1/2	2,644.82	1/2	3,006.41	1/2	3,368.00
3/4	120.92	3/4	482.66	3/4	843.88	3/4	1,205.55	3/4	1,567.31	3/4	1,929.06	3/4	2,290.77	3/4	2,652.36	3/4	3,013.94	3/4	3,375.53
4	128.46	4	490.19	4	851.40	4	1,213.09	4	1,574.84	4	1,936.60	4	2,298.31	4	2,659.89	4	3,021.47	4	3,383.07
1/4	135.99	1/4	497.73	1/4	858.92	1/4	1,220.63	1/4	1,582.38	1/4	1,944.13	1/4	2,305.84	1/4	2,667.42	1/4	3,029.01	1/4	3,390.60
1/2	143.53	1/2	505.27	1/2	866.44	1/2	1,228.16	1/2	1,589.92	1/2	1,951.67	1/2	2,313.37	1/2	2,674.96	1/2	3,036.54	1/2	3,398.14
3/4	151.07	3/4	512.80	3/4	873.96	3/4	1,235.70	3/4	1,597.45	3/4	1,959.20	3/4	2,320.90	3/4	2,682.49	3/4	3,044.07	3/4	3,405.68
5	158.60	5	520.34	5	881.49	5	1,243.24	5	1,604.99	5	1,966.74	5	2,328.44	5	2,690.02	5	3,051.61	5	3,413.21
1/4	166.14	1/4	527.88	1/4	889.02	1/4	1,250.77	1/4	1,612.53	1/4	1,974.28	1/4	2,335.97	1/4	2,697.55	1/4	3,059.14	1/4	3,420.75
1/2	173.67	1/2	535.41	1/2	896.56	1/2	1,258.31	1/2	1,620.06	1/2	1,981.81	1/2	2,343.50	1/2	2,705.09	1/2	3,066.67	1/2	3,428.28
3/4	181.21	3/4	542.95	3/4	904.09	3/4	1,265.85	3/4	1,627.60	3/4	1,989.35	3/4	2,351.04	3/4	2,712.62	3/4	3,074.20	3/4	3,435.82
6	188.75	6	550.48	6	911.63	6	1,273.38	6	1,635.14	6	1,996.89	6	2,358.57	6	2,720.15	6	3,081.74	6	3,443.36
1/4	196.28	1/4	558.02	1/4	919.17	1/4	1,280.92	1/4	1,642.67	1/4	2,004.42	1/4	2,366.10	1/4	2,727.69	1/4	3,089.27	1/4	3,450.89
1/2	203.82	1/2	565.56	1/2	926.70	1/2	1,288.46	1/2	1,650.21	1/2	2,011.96	1/2	2,373.64	1/2	2,735.22	1/2	3,096.80	1/2	3,458.43
3/4	211.36	3/4	573.09	3/4	934.24	3/4	1,295.99	3/4	1,657.74	3/4	2,019.50	3/4	2,381.17	3/4	2,742.75	3/4	3,104.34	3/4	3,465.96
7	218.89	7	580.63	7	941.78	7	1,303.53	7	1,665.28	7	2,027.03	7	2,388.70	7	2,750.29	7	3,111.87	7	3,473.50
1/4	226.43	1/4	588.15	1/4	949.31	1/4	1,311.07	1/4	1,672.82	1/4	2,034.57	1/4	2,396.23	1/4	2,757.82	1/4	3,119.40	1/4	3,479.75
1/2	233.96	1/2	595.67	1/2	956.85	1/2	1,318.60	1/2	1,680.35	1/2	2,042.11	1/2	2,403.77	1/2	2,765.35	1/2	3,126.94	1/2	3,486.00
3/4	241.50	3/4	603.19	3/4	964.39	3/4	1,326.14	3/4	1,687.89	3/4	2,049.64	3/4	2,411.30	3/4	2,772.88	3/4	3,134.47	3/4	3,492.25
8	249.04	8	610.71	8	971.92	8	1,333.68	8	1,695.43	8	2,057.18	8	2,418.83	8	2,780.42	8	3,142.00	8	3,498.51
1/4	256.57	1/4	618.24	1/4	979.46	1/4	1,341.21	1/4	1,702.96	1/4	2,064.72	1/4	2,426.37	1/4	2,787.95	1/4	3,149.53	1/4	3,504.76
1/2	264.11	1/2	625.76	1/2	987.00	1/2	1,348.75	1/2	1,710.50	1/2	2,072.25	1/2	2,433.90	1/2	2,795.48	1/2	3,157.07	1/2	3,511.01
3/4	271.64	3/4	633.28	3/4	994.53	3/4	1,356.28	3/4	1,718.04	3/4	2,079.79	3/4	2,441.43	3/4	2,803.02	3/4	3,164.60	3/4	3,517.26
9	279.18	9	640.80	9	1,002.07	9	1,363.82	9	1,725.57	9	2,087.33	9	2,448.97	9	2,810.55	9	3,172.13	9	3,523.51
1/4	286.72	1/4	648.32	1/4	1,009.61	1/4	1,371.36	1/4	1,733.11	1/4	2,094.86	1/4	2,456.50	1/4	2,818.08	1/4	3,179.67	1/4	3,529.77
1/2	294.25	1/2	655.84	1/2	1,017.14	1/2	1,378.89	1/2	1,740.65	1/2	2,102.40	1/2	2,464.03	1/2	2,825.62	1/2	3,187.20	1/2	3,536.02
3/4	301.79	3/4	663.36	3/4	1,024.68	3/4	1,386.43	3/4	1,748.18	3/4	2,109.93	3/4	2,471.56	3/4	2,833.15	3/4	3,194.73	3/4	3,542.27
10	309.33	10	670.89	10	1,032.22	10	1,393.97	10	1,755.72	10	2,117.47	10	2,479.10	10	2,840.68	10	3,202.27	10	3,548.52
1/4	316.86	1/4	678.41	1/4	1,039.75	1/4	1,401.50	1/4	1,763.26	1/4	2,125.01	1/4	2,486.63	1/4	2,848.21	1/4	3,209.80	1/4	3,554.76
1/2	324.40	1/2	685.93	1/2	1,047.29	1/2	1,409.04	1/2	1,770.79	1/2	2,132.54	1/2	2,494.16	1/2	2,855.75	1/2	3,217.33	1/2	3,560.99
3/4	331.93	3/4	693.45	3/4	1,054.82	3/4	1,416.58	3/4	1,778.33	3/4	2,140.08	3/4	2,501.70	3/4	2,863.28	3/4	3,224.86	3/4	3,567.22
11	339.47	11	700.97	11	1,062.36	11	1,424.11	11	1,785.87	11	2,147.62	11	2,509.23	11	2,870.81	11	3,232.40	11	3,573.46
1/4	347.01	1/4	708.49	1/4	1,069.90	1/4	1,431.65	1/4	1,793.40	1/4	2,155.15	1/4	2,516.76	1/4	2,878.35	1/4	3,239.93	1/4	3,579.66
1/2	354.54	1/2	716.01	1/2	1,077.43	1/2	1,439.19	1/2	1,800.94	1/2	2,162.69	1/2	2,524.30	1/2	2,885.88	1/2	3,247.46	1/2	3,585.86
3/4	362.08	3/4	723.54	3/4	1,084.97	3/4	1,446.72	3/4	1,808.47	3/4	2,170.23	3/4	2,531.83	3/4	2,893.41	3/4	3,255.00	3/4	3,592.06

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 TO TOP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "EMS 500"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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	3,598.26	0	3,885.11	0	4,151.46	0	4,398.06	0		0		0		0		0		0	
1/4	3,604.43	1/4	3,890.85	1/4	4,156.78	1/4	4,402.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,610.59	1/2	3,896.59	1/2	4,162.11	1/2	4,407.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,616.76	3/4	3,902.32	3/4	4,167.43	3/4	4,412.80	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,622.92	1	3,908.06	1	4,172.76	1	4,417.72	1		1		1		1		1		1	
1/4	3,629.06	1/4	3,913.76	1/4	4,178.05	1/4	4,422.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,635.19	1/2	3,919.47	1/2	4,183.34	1/2	4,427.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,641.32	3/4	3,925.17	3/4	4,188.64	3/4	4,432.36	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,647.45	2	3,930.87	2	4,193.93	2	4,437.24	2		2		2		2		2		2	
1/4	3,653.55	1/4	3,936.54	1/4	4,199.18	1/4	4,442.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,659.65	1/2	3,942.21	1/2	4,204.44	1/2	4,446.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,665.74	3/4	3,947.88	3/4	4,209.70	3/4	4,451.78	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,671.84	3	3,953.55	3	4,214.96	3	4,456.62	3		3		3		3		3		3	
1/4	3,677.90	1/4	3,959.18	1/4	4,220.18	1/4	4,461.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,683.97	1/2	3,964.82	1/2	4,225.40	1/2	4,466.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,690.03	3/4	3,970.45	3/4	4,230.63	3/4	4,471.06	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,696.09	4	3,976.09	4	4,235.85	4	4,475.87	4		4		4		4		4		4	
1/4	3,702.12	1/4	3,981.69	1/4	4,241.04	1/4	4,482.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,708.15	1/2	3,987.29	1/2	4,246.23	1/2	4,488.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,714.18	3/4	3,992.89	3/4	4,251.42	3/4	4,494.57	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,720.21	5	3,998.49	5	4,256.61	5	4,500.81	5		5		5		5		5		5	
1/4	3,726.20	1/4	4,004.05	1/4	4,261.76	1/4	4,507.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,732.20	1/2	4,009.62	1/2	4,266.92	1/2	4,513.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,738.19	3/4	4,015.19	3/4	4,272.07	3/4	4,519.51	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,744.19	6	4,020.75	6	4,277.22	6	4,525.74	6		6		6		6		6		6	
1/4	3,750.15	1/4	4,026.28	1/4	4,282.34	1/4	4,531.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,756.11	1/2	4,031.81	1/2	4,287.47	1/2	4,538.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,762.07	3/4	4,037.35	3/4	4,292.59	3/4	4,544.45	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,768.03	7	4,042.88	7	4,297.71	7	4,550.68	7		7		7		7		7		7	
1/4	3,773.96	1/4	4,048.38	1/4	4,302.79	1/4	4,556.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,779.88	1/2	4,053.87	1/2	4,307.88	1/2	4,562.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,785.81	3/4	4,059.37	3/4	4,312.96	3/4	4,568.90	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,791.73	8	4,064.87	8	4,318.05	8	4,574.97	8		8		8		8		8		8	
1/4	3,797.63	1/4	4,070.33	1/4	4,323.10	1/4	4,580.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,803.52	1/2	4,075.79	1/2	4,328.15	1/2	4,585.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,809.41	3/4	4,081.26	3/4	4,333.21	3/4	4,591.14	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,815.30	9	4,086.72	9	4,338.26	9	4,596.52	9		9		9		9		9		9	
1/4	3,821.16	1/4	4,092.15	1/4	4,343.27	1/4	4,600.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,827.02	1/2	4,097.58	1/2	4,348.29	1/2	4,604.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,832.87	3/4	4,103.01	3/4	4,353.31	3/4	4,608.58	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,838.73	10	4,108.44	10	4,358.33	10	4,612.60	10		10		10		10		10		10	
1/4	3,844.55	1/4	4,113.83	1/4	4,363.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,850.38	1/2	4,119.23	1/2	4,368.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,856.20	3/4	4,124.62	3/4	4,373.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,862.02	11	4,130.01	11	4,378.26	11		11		11		11		11		11		11	
1/4	3,867.80	1/4	4,135.37	1/4	4,383.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,873.57	1/2	4,140.74	1/2	4,388.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,879.34	3/4	4,146.10	3/4	4,393.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2016 SW
CALCULATED: 06/28/2016 CL
PRINTED: 06/28/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2016

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



BARGE "EMS 500"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.55	0	368.72	0	729.26	0	1,086.38	0	1,442.40	0	1,797.20	0	2,154.33	0	2,514.91	0	2,875.60	0	3,236.32
1/4	22.93	1/4	376.23	1/4	736.77	1/4	1,093.78	1/4	1,449.82	1/4	1,804.57	1/4	2,161.85	1/4	2,522.42	1/4	2,883.11	1/4	3,243.83
1/2	28.31	1/2	383.75	1/2	744.27	1/2	1,101.19	1/2	1,457.24	1/2	1,811.93	1/2	2,169.36	1/2	2,529.93	1/2	2,890.63	1/2	3,251.34
3/4	33.69	3/4	391.27	3/4	751.77	3/4	1,108.60	3/4	1,464.66	3/4	1,819.29	3/4	2,176.88	3/4	2,537.44	3/4	2,898.14	3/4	3,258.86
1	39.07	1	398.79	1	759.28	1	1,116.00	1	1,472.08	1	1,826.66	1	2,184.40	1	2,544.94	1	2,905.66	1	3,266.37
1/4	46.31	1/4	406.30	1/4	766.78	1/4	1,123.41	1/4	1,479.50	1/4	1,834.02	1/4	2,191.91	1/4	2,552.46	1/4	2,913.17	1/4	3,273.89
1/2	53.56	1/2	413.82	1/2	774.28	1/2	1,130.82	1/2	1,486.92	1/2	1,841.39	1/2	2,199.43	1/2	2,559.97	1/2	2,920.69	1/2	3,281.40
3/4	60.81	3/4	421.34	3/4	781.78	3/4	1,138.22	3/4	1,494.34	3/4	1,848.75	3/4	2,206.95	3/4	2,567.49	3/4	2,928.20	3/4	3,288.92
2	68.06	2	428.86	2	789.29	2	1,145.63	2	1,501.76	2	1,856.11	2	2,214.46	2	2,575.00	2	2,935.72	2	3,296.43
1/4	75.58	1/4	436.37	1/4	796.79	1/4	1,153.05	1/4	1,509.18	1/4	1,863.48	1/4	2,221.98	1/4	2,582.52	1/4	2,943.23	1/4	3,303.95
1/2	83.10	1/2	443.89	1/2	804.29	1/2	1,160.47	1/2	1,516.60	1/2	1,870.54	1/2	2,229.50	1/2	2,590.03	1/2	2,950.75	1/2	3,311.46
3/4	90.61	3/4	451.41	3/4	811.80	3/4	1,167.89	3/4	1,524.01	3/4	1,878.21	3/4	2,237.01	3/4	2,597.55	3/4	2,958.26	3/4	3,318.98
3	98.13	3	458.93	3	819.30	3	1,175.31	3	1,531.43	3	1,885.57	3	2,244.53	3	2,605.06	3	2,965.78	3	3,326.49
1/4	105.65	1/4	466.44	1/4	826.80	1/4	1,182.73	1/4	1,538.85	1/4	1,892.93	1/4	2,252.04	1/4	2,612.58	1/4	2,973.29	1/4	3,334.02
1/2	113.17	1/2	473.96	1/2	834.30	1/2	1,190.15	1/2	1,546.27	1/2	1,900.30	1/2	2,259.56	1/2	2,620.09	1/2	2,980.81	1/2	3,341.55
3/4	120.69	3/4	481.48	3/4	841.81	3/4	1,197.57	3/4	1,553.69	3/4	1,907.66	3/4	2,267.08	3/4	2,627.61	3/4	2,988.32	3/4	3,349.08
4	128.20	4	489.00	4	849.31	4	1,204.99	4	1,561.11	4	1,915.03	4	2,274.59	4	2,635.12	4	2,995.84	4	3,356.61
1/4	135.72	1/4	496.52	1/4	856.72	1/4	1,212.40	1/4	1,568.53	1/4	1,922.39	1/4	2,282.11	1/4	2,642.64	1/4	3,003.35	1/4	3,364.14
1/2	143.24	1/2	504.03	1/2	864.12	1/2	1,219.82	1/2	1,575.95	1/2	1,929.75	1/2	2,289.63	1/2	2,650.15	1/2	3,010.87	1/2	3,371.67
3/4	150.76	3/4	511.55	3/4	871.53	3/4	1,227.24	3/4	1,583.37	3/4	1,937.12	3/4	2,297.14	3/4	2,657.67	3/4	3,018.38	3/4	3,379.20
5	158.27	5	519.07	5	878.93	5	1,234.66	5	1,590.79	5	1,944.48	5	2,304.66	5	2,665.18	5	3,025.90	5	3,386.73
1/4	165.79	1/4	526.59	1/4	886.35	1/4	1,242.08	1/4	1,598.21	1/4	1,951.85	1/4	2,312.17	1/4	2,672.70	1/4	3,033.41	1/4	3,394.26
1/2	173.31	1/2	534.10	1/2	893.77	1/2	1,249.50	1/2	1,605.63	1/2	1,959.21	1/2	2,319.68	1/2	2,680.21	1/2	3,040.93	1/2	3,401.79
3/4	180.83	3/4	541.62	3/4	901.20	3/4	1,256.92	3/4	1,613.05	3/4	1,966.57	3/4	2,327.19	3/4	2,687.73	3/4	3,048.44	3/4	3,409.32
6	188.35	6	549.14	6	908.62	6	1,264.34	6	1,620.47	6	1,973.94	6	2,334.70	6	2,695.24	6	3,055.96	6	3,416.85
1/4	195.86	1/4	556.66	1/4	916.02	1/4	1,271.76	1/4	1,627.83	1/4	1,981.45	1/4	2,342.20	1/4	2,702.76	1/4	3,063.47	1/4	3,424.38
1/2	203.37	1/2	564.17	1/2	923.43	1/2	1,279.18	1/2	1,635.19	1/2	1,988.97	1/2	2,349.71	1/2	2,710.27	1/2	3,070.99	1/2	3,431.91
3/4	210.89	3/4	571.69	3/4	930.84	3/4	1,286.60	3/4	1,642.56	3/4	1,996.49	3/4	2,357.22	3/4	2,717.79	3/4	3,078.50	3/4	3,439.44
7	218.40	7	579.21	7	938.24	7	1,294.02	7	1,649.92	7	2,004.00	7	2,364.73	7	2,725.30	7	3,086.02	7	3,446.97
1/4	225.92	1/4	586.71	1/4	945.65	1/4	1,301.44	1/4	1,657.29	1/4	2,011.52	1/4	2,372.24	1/4	2,732.82	1/4	3,093.53	1/4	3,453.22
1/2	233.43	1/2	594.21	1/2	953.06	1/2	1,308.86	1/2	1,664.65	1/2	2,019.04	1/2	2,379.75	1/2	2,740.33	1/2	3,101.05	1/2	3,459.46
3/4	240.95	3/4	601.72	3/4	960.46	3/4	1,316.27	3/4	1,672.01	3/4	2,026.55	3/4	2,387.26	3/4	2,747.85	3/4	3,108.56	3/4	3,465.71
8	248.46	8	609.22	8	967.87	8	1,323.69	8	1,679.38	8	2,034.07	8	2,394.77	8	2,755.36	8	3,116.08	8	3,471.95
1/4	255.98	1/4	616.72	1/4	975.28	1/4	1,331.11	1/4	1,686.74	1/4	2,041.59	1/4	2,402.28	1/4	2,762.88	1/4	3,123.59	1/4	3,478.20
1/2	263.50	1/2	624.23	1/2	982.68	1/2	1,338.53	1/2	1,694.11	1/2	2,049.10	1/2	2,409.78	1/2	2,770.39	1/2	3,131.11	1/2	3,484.45
3/4	271.01	3/4	631.73	3/4	990.09	3/4	1,345.95	3/4	1,701.47	3/4	2,056.62	3/4	2,417.29	3/4	2,777.91	3/4	3,138.62	3/4	3,490.69
9	278.53	9	639.23	9	997.50	9	1,353.37	9	1,708.83	9	2,064.13	9	2,424.80	9	2,785.42	9	3,146.14	9	3,496.94
1/4	286.05	1/4	646.73	1/4	1,004.90	1/4	1,360.79	1/4	1,716.20	1/4	2,071.65	1/4	2,432.31	1/4	2,792.94	1/4	3,153.65	1/4	3,503.18
1/2	293.56	1/2	654.24	1/2	1,012.31	1/2	1,368.21	1/2	1,723.56	1/2	2,079.17	1/2	2,439.82	1/2	2,800.45	1/2	3,161.17	1/2	3,509.43
3/4	301.07	3/4	661.74	3/4	1,019.72	3/4	1,375.63	3/4	1,730.93	3/4	2,086.68	3/4	2,447.33	3/4	2,807.97	3/4	3,168.68	3/4	3,515.68
10	308.59	10	669.24	10	1,027.12	10	1,383.05	10	1,738.29	10	2,094.20	10	2,454.84	10	2,815.48	10	3,176.20	10	3,521.92
1/4	316.10	1/4	676.75	1/4	1,034.53	1/4	1,390.47	1/4	1,745.65	1/4	2,101.72	1/4	2,462.35	1/4	2,823.00	1/4	3,183.71	1/4	3,528.15
1/2	323.62	1/2	684.25	1/2	1,041.94	1/2	1,397.89	1/2	1,753.02	1/2	2,109.23	1/2	2,469.86	1/2	2,830.51	1/2	3,191.23	1/2	3,534.38
3/4	331.13	3/4	691.75	3/4	1,049.34	3/4	1,405.31	3/4	1,760.38	3/4	2,116.75	3/4	2,477.36	3/4	2,838.03	3/4	3,198.74	3/4	3,540.61
11	338.65	11	699.25	11	1,056.75	11	1,412.73	11	1,767.75	11	2,124.27	11	2,484.87	11	2,845.54	11	3,206.26	11	3,546.84
1/4	346.16	1/4	706.76	1/4	1,064.16	1/4	1,420.14	1/4	1,775.11	1/4	2,131.78	1/4	2,492.38	1/4	2,853.06	1/4	3,213.77	1/4	3,553.03
1/2	353.68	1/2	714.26	1/2	1,071.56	1/2	1,427.56	1/2	1,782.47	1/2	2,139.30	1/2	2,499.89	1/2	2,860.57	1/2	3,221.29	1/2	3,559.23
3/4	361.20	3/4	721.76	3/4	1,078.97	3/4	1,434.98	3/4	1,789.84	3/4	2,146.82	3/4	2,507.40	3/4	2,868.08	3/4	3,228.80	3/4	3,565.42

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

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





BARGE "EMS 500"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,571.62	0	3,858.20	0	4,124.31	0	4,370.68	0		0		0		0		0		0	
1/4	3,577.78	1/4	3,863.94	1/4	4,129.63	1/4	4,375.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,583.94	1/2	3,869.67	1/2	4,134.95	1/2	4,380.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,590.10	3/4	3,875.40	3/4	4,140.27	3/4	4,385.41	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,596.26	1	3,881.13	1	4,145.59	1	4,390.32	1		1		1		1		1		1	
1/4	3,602.38	1/4	3,886.83	1/4	4,150.88	1/4	4,395.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,608.51	1/2	3,892.53	1/2	4,156.17	1/2	4,400.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,614.64	3/4	3,898.23	3/4	4,161.45	3/4	4,404.95	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,620.76	2	3,903.92	2	4,166.74	2	4,409.83	2		2		2		2		2		2	
1/4	3,626.85	1/4	3,909.59	1/4	4,171.99	1/4	4,414.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,632.95	1/2	3,915.25	1/2	4,177.24	1/2	4,419.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,639.04	3/4	3,920.92	3/4	4,182.50	3/4	4,424.35	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,645.13	3	3,926.58	3	4,187.75	3	4,429.19	3		3		3		3		3		3	
1/4	3,651.19	1/4	3,932.21	1/4	4,192.97	1/4	4,434.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,657.24	1/2	3,937.84	1/2	4,198.19	1/2	4,438.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,663.30	3/4	3,943.47	3/4	4,203.40	3/4	4,443.62	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,669.36	4	3,949.10	4	4,208.62	4	4,448.42	4		4		4		4		4		4	
1/4	3,675.38	1/4	3,954.69	1/4	4,213.81	1/4	4,454.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,681.41	1/2	3,960.29	1/2	4,218.99	1/2	4,460.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,687.43	3/4	3,965.88	3/4	4,224.18	3/4	4,467.11	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,693.45	5	3,971.48	5	4,229.36	5	4,473.34	5		5		5		5		5		5	
1/4	3,699.44	1/4	3,977.04	1/4	4,234.51	1/4	4,479.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,705.43	1/2	3,982.60	1/2	4,239.66	1/2	4,485.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,711.42	3/4	3,988.16	3/4	4,244.81	3/4	4,492.03	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,717.41	6	3,993.72	6	4,249.96	6	4,498.25	6		6		6		6		6		6	
1/4	3,723.36	1/4	3,999.25	1/4	4,255.08	1/4	4,504.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.32	1/2	4,004.77	1/2	4,260.19	1/2	4,510.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,735.27	3/4	4,010.30	3/4	4,265.31	3/4	4,516.94	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,741.23	7	4,015.83	7	4,270.42	7	4,523.17	7		7		7		7		7		7	
1/4	3,747.15	1/4	4,021.32	1/4	4,275.50	1/4	4,529.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,753.07	1/2	4,026.81	1/2	4,280.59	1/2	4,535.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,758.99	3/4	4,032.31	3/4	4,285.67	3/4	4,541.37	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,764.91	8	4,037.80	8	4,290.75	8	4,547.44	8		8		8		8		8		8	
1/4	3,770.80	1/4	4,043.26	1/4	4,295.80	1/4	4,552.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,776.69	1/2	4,048.71	1/2	4,300.84	1/2	4,558.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,782.57	3/4	4,054.17	3/4	4,305.89	3/4	4,563.59	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,788.46	9	4,059.63	9	4,310.94	9	4,568.97	9		9		9		9		9		9	
1/4	3,794.31	1/4	4,065.05	1/4	4,315.95	1/4	4,572.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,800.16	1/2	4,070.48	1/2	4,320.96	1/2	4,577.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,806.01	3/4	4,075.90	3/4	4,325.98	3/4	4,581.01	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,811.87	10	4,081.33	10	4,330.99	10	4,585.02	10		10		10		10		10		10	
1/4	3,817.68	1/4	4,086.72	1/4	4,335.97	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,823.50	1/2	4,092.11	1/2	4,340.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,829.32	3/4	4,097.50	3/4	4,345.93	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,835.14	11	4,102.89	11	4,350.90	11		11		11		11		11		11		11	
1/4	3,840.90	1/4	4,108.24	1/4	4,355.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,846.67	1/2	4,113.60	1/2	4,360.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,852.44	3/4	4,118.95	3/4	4,365.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2016 SW
CALCULATED: 06/28/2016 CL
PRINTED: 06/28/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2016

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



BARGE "EMS 500"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-3/8	- 02-3/8
1 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-3/8	- 02-3/8
2 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-7/8	- 01-7/8	02-1/4	- 02-1/4
2 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-7/8	- 01-7/8	02-1/4	- 02-1/4
3 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
3 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 245'-00"

June 28, 2016

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

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BARGE "EMS 500"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,630.99	0	4,327.10	0	4,009.31	0	3,671.38	0	3,315.01	0	2,955.29	0	2,595.57
1/4		1/4		1/4		1/4	4,623.51	1/4	4,320.67	1/4	4,002.47	1/4	3,664.11	1/4	3,307.52	1/4	2,947.80	1/4	2,588.07
1/2		1/2		1/2		1/2	4,616.04	1/2	4,314.24	1/2	3,995.63	1/2	3,656.83	1/2	3,300.02	1/2	2,940.30	1/2	2,580.58
3/4		3/4		3/4		3/4	4,608.56	3/4	4,307.81	3/4	3,988.78	3/4	3,649.56	3/4	3,292.53	3/4	2,932.81	3/4	2,573.09
1		1		1		1	4,601.08	1	4,301.37	1	3,981.94	1	3,642.29	1	3,285.04	1	2,925.31	1	2,565.59
1/4		1/4		1/4		1/4	4,595.03	1/4	4,294.91	1/4	3,975.06	1/4	3,634.99	1/4	3,277.54	1/4	2,917.82	1/4	2,558.10
1/2		1/2		1/2		1/2	4,588.97	1/2	4,288.44	1/2	3,968.18	1/2	3,627.68	1/2	3,270.05	1/2	2,910.33	1/2	2,550.60
3/4		3/4		3/4		3/4	4,582.91	3/4	4,281.98	3/4	3,961.31	3/4	3,620.37	3/4	3,262.55	3/4	2,902.83	3/4	2,543.11
2		2		2		2	4,576.86	2	4,275.51	2	3,954.43	2	3,613.07	2	3,255.06	2	2,895.34	2	2,535.62
1/4		1/4		1/4		1/4	4,570.77	1/4	4,269.01	1/4	3,947.52	1/4	3,605.73	1/4	3,247.56	1/4	2,887.84	1/4	2,528.12
1/2		1/2		1/2		1/2	4,564.68	1/2	4,262.51	1/2	3,940.61	1/2	3,598.39	1/2	3,240.07	1/2	2,880.35	1/2	2,520.63
3/4		3/4		3/4		3/4	4,558.59	3/4	4,256.01	3/4	3,933.69	3/4	3,591.05	3/4	3,232.58	3/4	2,872.85	3/4	2,513.13
3		3		3		3	4,552.50	3	4,249.51	3	3,926.78	3	3,583.71	3	3,225.08	3	2,865.36	3	2,505.64
1/4		1/4		1/4		1/4	4,546.38	1/4	4,242.97	1/4	3,919.84	1/4	3,576.33	1/4	3,217.59	1/4	2,857.87	1/4	2,498.14
1/2		1/2		1/2		1/2	4,540.25	1/2	4,236.44	1/2	3,912.89	1/2	3,568.96	1/2	3,210.09	1/2	2,850.37	1/2	2,490.65
3/4		3/4		3/4		3/4	4,534.13	3/4	4,229.90	3/4	3,905.94	3/4	3,561.58	3/4	3,202.60	3/4	2,842.88	3/4	2,483.16
4		4		4		4	4,528.00	4	4,223.37	4	3,899.00	4	3,554.21	4	3,195.10	4	2,835.38	4	2,475.66
1/4		1/4		1/4		1/4	4,521.85	1/4	4,216.80	1/4	3,892.02	1/4	3,546.80	1/4	3,187.61	1/4	2,827.89	1/4	2,468.17
1/2		1/2		1/2		1/2	4,515.69	1/2	4,210.23	1/2	3,885.04	1/2	3,539.39	1/2	3,180.12	1/2	2,820.39	1/2	2,460.67
3/4		3/4		3/4		3/4	4,509.53	3/4	4,203.66	3/4	3,878.06	3/4	3,531.98	3/4	3,172.62	3/4	2,812.90	3/4	2,453.18
5		5		5		5	4,503.37	5	4,197.09	5	3,871.08	5	3,524.58	5	3,165.13	5	2,805.41	5	2,445.68
1/4		1/4		1/4		1/4	4,497.18	1/4	4,190.48	1/4	3,864.06	1/4	3,517.13	1/4	3,157.63	1/4	2,797.91	1/4	2,438.19
1/2		1/2		1/2		1/2	4,490.99	1/2	4,183.88	1/2	3,857.05	1/2	3,509.69	1/2	3,150.14	1/2	2,790.42	1/2	2,430.70
3/4		3/4		3/4		3/4	4,484.79	3/4	4,177.28	3/4	3,850.03	3/4	3,502.25	3/4	3,142.65	3/4	2,782.92	3/4	2,423.20
6		6		6		6	4,478.60	6	4,170.67	6	3,843.02	6	3,494.80	6	3,135.15	6	2,775.43	6	2,415.71
1/4		1/4		1/4		1/4	4,472.37	1/4	4,164.04	1/4	3,835.95	1/4	3,487.33	1/4	3,127.66	1/4	2,767.94	1/4	2,408.21
1/2		1/2		1/2		1/2	4,466.15	1/2	4,157.40	1/2	3,828.89	1/2	3,479.85	1/2	3,120.16	1/2	2,760.44	1/2	2,400.72
3/4		3/4		3/4		3/4	4,459.92	3/4	4,150.76	3/4	3,821.82	3/4	3,472.37	3/4	3,112.67	3/4	2,752.95	3/4	2,393.23
7		7		7	4,767.70	7	4,453.69	7	4,144.12	7	3,814.75	7	3,464.90	7	3,105.17	7	2,745.45	7	2,385.73
1/4		1/4		1/4	4,762.43	1/4	4,447.43	1/4	4,137.45	1/4	3,807.65	1/4	3,457.40	1/4	3,097.68	1/4	2,737.96	1/4	2,378.24
1/2		1/2		1/2	4,757.16	1/2	4,441.17	1/2	4,130.78	1/2	3,800.55	1/2	3,449.91	1/2	3,090.19	1/2	2,730.46	1/2	2,370.74
3/4		3/4		3/4	4,751.88	3/4	4,434.91	3/4	4,124.11	3/4	3,793.45	3/4	3,442.41	3/4	3,082.69	3/4	2,722.97	3/4	2,363.25
8		8		8	4,746.61	8	4,428.65	8	4,117.43	8	3,786.35	8	3,434.92	8	3,075.20	8	2,715.48	8	2,355.75
1/4		1/4		1/4	4,739.98	1/4	4,422.35	1/4	4,110.73	1/4	3,779.22	1/4	3,427.43	1/4	3,067.70	1/4	2,707.98	1/4	2,348.26
1/2		1/2		1/2	4,733.34	1/2	4,416.06	1/2	4,104.02	1/2	3,772.08	1/2	3,419.93	1/2	3,060.21	1/2	2,700.49	1/2	2,340.77
3/4		3/4		3/4	4,726.70	3/4	4,409.76	3/4	4,097.32	3/4	3,764.95	3/4	3,412.44	3/4	3,052.71	3/4	2,692.99	3/4	2,333.27
9		9		9	4,720.07	9	4,403.47	9	4,090.61	9	3,757.81	9	3,404.94	9	3,045.22	9	2,685.50	9	2,325.78
1/4		1/4		1/4	4,712.75	1/4	4,397.14	1/4	4,083.87	1/4	3,750.65	1/4	3,397.45	1/4	3,037.73	1/4	2,678.00	1/4	2,318.28
1/2		1/2		1/2	4,705.44	1/2	4,390.81	1/2	4,077.13	1/2	3,743.48	1/2	3,389.95	1/2	3,030.23	1/2	2,670.51	1/2	2,310.79
3/4		3/4		3/4	4,698.12	3/4	4,384.48	3/4	4,070.39	3/4	3,736.31	3/4	3,382.46	3/4	3,022.74	3/4	2,663.02	3/4	2,303.29
10		10		10	4,690.80	10	4,378.15	10	4,063.65	10	3,729.14	10	3,374.97	10	3,015.24	10	2,655.52	10	2,295.80
1/4		1/4		1/4	4,683.33	1/4	4,371.79	1/4	4,056.87	1/4	3,721.94	1/4	3,367.47	1/4	3,007.75	1/4	2,648.03	1/4	2,288.31
1/2		1/2		1/2	4,675.85	1/2	4,365.42	1/2	4,050.10	1/2	3,714.73	1/2	3,359.98	1/2	3,000.26	1/2	2,640.53	1/2	2,280.81
3/4		3/4		3/4	4,668.37	3/4	4,359.06	3/4	4,043.32	3/4	3,707.53	3/4	3,352.48	3/4	2,992.76	3/4	2,633.04	3/4	2,273.32
11		11		11	4,660.90	11	4,352.70	11	4,036.55	11	3,700.33	11	3,344.99	11	2,985.27	11	2,625.55	11	2,265.82
1/4		1/4		1/4	4,653.42	1/4	4,346.30	1/4	4,029.74	1/4	3,693.09	1/4	3,337.49	1/4	2,977.77	1/4	2,618.05	1/4	2,258.33
1/2		1/2		1/2	4,645.94	1/2	4,339.90	1/2	4,022.93	1/2	3,685.85	1/2	3,330.00	1/2	2,970.28	1/2	2,610.56	1/2	2,250.84
3/4		3/4		3/4	4,638.47	3/4	4,333.50	3/4	4,016.12	3/4	3,678.61	3/4	3,322.51	3/4	2,962.78	3/4	2,603.06	3/4	2,243.34

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "EMS 500"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,235.85	0	1,876.13	0	1,516.40	0	1,156.68	0	796.96	0	440.25	0	116.65	0		0		0	
1/4	2,228.35	1/4	1,868.63	1/4	1,508.91	1/4	1,149.19	1/4	789.48	1/4	433.10	1/4	110.39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,220.86	1/2	1,861.14	1/2	1,501.42	1/2	1,141.69	1/2	782.00	1/2	425.94	1/2	104.14	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,213.36	3/4	1,853.64	3/4	1,493.92	3/4	1,134.20	3/4	774.52	3/4	418.79	3/4	97.89	3/4	3/4	3/4	3/4	3/4	3/4
1	2,205.87	1	1,846.15	1	1,486.43	1	1,126.71	1	767.04	1	411.63	1	91.63	1	1	1	1	1	1
1/4	2,198.38	1/4	1,838.65	1/4	1,478.93	1/4	1,119.21	1/4	759.57	1/4	404.55	1/4	85.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,190.88	1/2	1,831.16	1/2	1,471.44	1/2	1,111.72	1/2	752.09	1/2	397.47	1/2	79.28	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,183.39	3/4	1,823.67	3/4	1,463.94	3/4	1,104.22	3/4	744.61	3/4	390.39	3/4	73.10	3/4	3/4	3/4	3/4	3/4	3/4
2	2,175.89	2	1,816.17	2	1,456.45	2	1,096.73	2	737.13	2	383.31	2	66.92	2	2	2	2	2	2
1/4	2,168.40	1/4	1,808.68	1/4	1,448.96	1/4	1,089.23	1/4	729.65	1/4	376.30	1/4	60.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,160.91	1/2	1,801.18	1/2	1,441.46	1/2	1,081.74	1/2	722.17	1/2	369.30	1/2	54.72	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,153.41	3/4	1,793.69	3/4	1,433.97	3/4	1,074.25	3/4	714.69	3/4	362.29	3/4	48.62	3/4	3/4	3/4	3/4	3/4	3/4
3	2,145.92	3	1,786.20	3	1,426.47	3	1,066.75	3	707.21	3	355.29	3	42.51	3	3	3	3	3	3
1/4	2,138.42	1/4	1,778.70	1/4	1,418.98	1/4	1,059.26	1/4	699.73	1/4	348.36	1/4	36.75	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,130.93	1/2	1,771.21	1/2	1,411.49	1/2	1,051.76	1/2	692.25	1/2	341.43	1/2	30.99	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,123.43	3/4	1,763.71	3/4	1,403.99	3/4	1,044.27	3/4	684.77	3/4	334.50	3/4	25.24	3/4	3/4	3/4	3/4	3/4	3/4
4	2,115.94	4	1,756.22	4	1,396.50	4	1,036.78	4	677.30	4	327.57	4	19.48	4	4	4	4	4	4
1/4	2,108.45	1/4	1,748.72	1/4	1,389.00	1/4	1,029.28	1/4	669.82	1/4	320.72	1/4	15.66	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,100.95	1/2	1,741.23	1/2	1,381.51	1/2	1,021.79	1/2	662.34	1/2	313.86	1/2	11.85	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,093.46	3/4	1,733.74	3/4	1,374.01	3/4	1,014.29	3/4	654.86	3/4	307.01	3/4	8.04	3/4	3/4	3/4	3/4	3/4	3/4
5	2,085.96	5	1,726.24	5	1,366.52	5	1,006.80	5	647.38	5	300.15	5	4.23	5	5	5	5	5	5
1/4	2,078.47	1/4	1,718.75	1/4	1,359.03	1/4	999.30	1/4	639.90	1/4	293.37	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,070.97	1/2	1,711.25	1/2	1,351.53	1/2	991.81	1/2	632.42	1/2	286.59	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,063.48	3/4	1,703.76	3/4	1,344.04	3/4	984.32	3/4	624.94	3/4	279.81	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,055.99	6	1,696.26	6	1,336.54	6	976.82	6	617.46	6	273.03	6		6	6	6	6	6	6
1/4	2,048.49	1/4	1,688.77	1/4	1,329.05	1/4	969.33	1/4	609.98	1/4	266.33	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,041.00	1/2	1,681.28	1/2	1,321.55	1/2	961.83	1/2	602.50	1/2	259.63	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,033.50	3/4	1,673.78	3/4	1,314.06	3/4	954.34	3/4	595.03	3/4	252.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,026.01	7	1,666.29	7	1,306.57	7	946.84	7	587.55	7	246.22	7		7	7	7	7	7	7
1/4	2,018.52	1/4	1,658.79	1/4	1,299.07	1/4	939.35	1/4	580.07	1/4	239.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,011.02	1/2	1,651.30	1/2	1,291.58	1/2	931.86	1/2	572.59	1/2	232.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,003.53	3/4	1,643.81	3/4	1,284.08	3/4	924.36	3/4	565.11	3/4	226.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,996.03	8	1,636.31	8	1,276.59	8	916.87	8	557.63	8	219.70	8		8	8	8	8	8	8
1/4	1,988.54	1/4	1,628.82	1/4	1,269.10	1/4	909.37	1/4	550.19	1/4	213.15	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,981.04	1/2	1,621.32	1/2	1,261.60	1/2	901.88	1/2	542.75	1/2	206.59	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,973.55	3/4	1,613.83	3/4	1,254.11	3/4	894.39	3/4	535.31	3/4	200.04	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,966.06	9	1,606.33	9	1,246.61	9	886.89	9	527.86	9	193.49	9		9	9	9	9	9	9
1/4	1,958.56	1/4	1,598.84	1/4	1,239.12	1/4	879.40	1/4	520.50	1/4	187.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,951.07	1/2	1,591.35	1/2	1,231.62	1/2	871.90	1/2	513.13	1/2	180.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,943.57	3/4	1,583.85	3/4	1,224.13	3/4	864.41	3/4	505.76	3/4	174.05	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,936.08	10	1,576.36	10	1,216.64	10	856.91	10	498.40	10	167.57	10		10	10	10	10	10	10
1/4	1,928.58	1/4	1,568.86	1/4	1,209.14	1/4	849.42	1/4	491.09	1/4	161.17	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,921.09	1/2	1,561.37	1/2	1,201.65	1/2	841.93	1/2	483.79	1/2	154.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,913.60	3/4	1,553.87	3/4	1,194.15	3/4	834.43	3/4	476.48	3/4	148.36	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,906.10	11	1,546.38	11	1,186.66	11	826.94	11	469.17	11	141.96	11		11	11	11	11	11	11
1/4	1,898.61	1/4	1,538.89	1/4	1,179.16	1/4	819.44	1/4	461.94	1/4	135.63	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,891.11	1/2	1,531.39	1/2	1,171.67	1/2	811.95	1/2	454.71	1/2	129.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,883.62	3/4	1,523.90	3/4	1,164.18	3/4	804.45	3/4	447.48	3/4	122.97	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2016 SW
CALCULATED: 06/28/2016 CL
PRINTED: 06/30/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2016

PRECISION MEASUREMENT
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BARGE "EMS 500"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	4,614.94	0	4,313.14	0	3,994.53	0	3,655.73	0	3,298.95	0	2,939.22	0	2,579.50
1/4		1/4		1/4		1/4	4,607.46	1/4	4,306.71	1/4	3,987.68	1/4	3,648.46	1/4	3,291.46	1/4	2,931.73	1/4	2,572.00
1/2		1/2		1/2		1/2	4,599.98	1/2	4,300.27	1/2	3,980.84	1/2	3,641.19	1/2	3,283.96	1/2	2,924.23	1/2	2,564.51
3/4		3/4		3/4		3/4	4,593.93	3/4	4,293.81	3/4	3,973.96	3/4	3,633.89	3/4	3,276.47	3/4	2,916.74	3/4	2,557.01
1		1		1		1	4,587.87	1	4,287.34	1	3,967.08	1	3,626.58	1	3,268.97	1	2,909.25	1	2,549.52
1/4		1/4		1/4		1/4	4,581.82	1/4	4,280.88	1/4	3,960.21	1/4	3,619.27	1/4	3,261.48	1/4	2,901.75	1/4	2,542.03
1/2		1/2		1/2		1/2	4,575.76	1/2	4,274.41	1/2	3,953.33	1/2	3,611.97	1/2	3,253.98	1/2	2,894.26	1/2	2,534.53
3/4		3/4		3/4		3/4	4,569.67	3/4	4,267.91	3/4	3,946.42	3/4	3,604.63	3/4	3,246.49	3/4	2,886.76	3/4	2,527.04
2		2		2		2	4,563.58	2	4,261.41	2	3,939.51	2	3,597.29	2	3,239.00	2	2,879.27	2	2,519.54
1/4		1/4		1/4		1/4	4,557.49	1/4	4,254.91	1/4	3,932.59	1/4	3,589.95	1/4	3,231.50	1/4	2,871.77	1/4	2,512.05
1/2		1/2		1/2		1/2	4,551.40	1/2	4,248.41	1/2	3,925.68	1/2	3,582.61	1/2	3,224.01	1/2	2,864.28	1/2	2,504.55
3/4		3/4		3/4		3/4	4,545.28	3/4	4,241.87	3/4	3,918.74	3/4	3,575.23	3/4	3,216.51	3/4	2,856.79	3/4	2,497.06
3		3		3		3	4,539.15	3	4,235.34	3	3,911.79	3	3,567.86	3	3,209.02	3	2,849.29	3	2,489.57
1/4		1/4		1/4		1/4	4,533.03	1/4	4,228.80	1/4	3,904.84	1/4	3,560.48	1/4	3,201.52	1/4	2,841.80	1/4	2,482.07
1/2		1/2		1/2		1/2	4,526.90	1/2	4,222.27	1/2	3,897.90	1/2	3,553.11	1/2	3,194.03	1/2	2,834.30	1/2	2,474.58
3/4		3/4		3/4		3/4	4,520.75	3/4	4,215.70	3/4	3,890.92	3/4	3,545.70	3/4	3,186.54	3/4	2,826.81	3/4	2,467.08
4		4		4		4	4,514.59	4	4,209.13	4	3,883.94	4	3,538.29	4	3,179.04	4	2,819.31	4	2,459.59
1/4		1/4		1/4		1/4	4,508.43	1/4	4,202.56	1/4	3,876.96	1/4	3,530.88	1/4	3,171.55	1/4	2,811.82	1/4	2,452.09
1/2		1/2		1/2		1/2	4,502.27	1/2	4,195.99	1/2	3,869.98	1/2	3,523.48	1/2	3,164.05	1/2	2,804.33	1/2	2,444.60
3/4		3/4		3/4		3/4	4,496.08	3/4	4,189.38	3/4	3,862.96	3/4	3,516.03	3/4	3,156.56	3/4	2,796.83	3/4	2,437.11
5		5		5		5	4,489.89	5	4,182.78	5	3,855.95	5	3,508.59	5	3,149.06	5	2,789.34	5	2,429.61
1/4		1/4		1/4		1/4	4,483.69	1/4	4,176.18	1/4	3,848.93	1/4	3,501.15	1/4	3,141.57	1/4	2,781.84	1/4	2,422.12
1/2		1/2		1/2		1/2	4,477.50	1/2	4,169.57	1/2	3,841.92	1/2	3,493.70	1/2	3,134.08	1/2	2,774.35	1/2	2,414.62
3/4		3/4		3/4		3/4	4,471.27	3/4	4,162.94	3/4	3,834.85	3/4	3,486.23	3/4	3,126.58	3/4	2,766.85	3/4	2,407.13
6		6		6		6	4,465.05	6	4,156.30	6	3,827.79	6	3,478.76	6	3,119.09	6	2,759.36	6	2,399.63
1/4		1/4		1/4		1/4	4,458.82	1/4	4,149.66	1/4	3,820.72	1/4	3,471.29	1/4	3,111.59	1/4	2,751.87	1/4	2,392.14
1/2		1/2		1/2		1/2	4,766.60	1/2	4,452.59	1/2	3,813.65	1/2	3,463.82	1/2	3,104.10	1/2	2,744.37	1/2	2,384.65
3/4		3/4		3/4		3/4	4,761.33	3/4	4,446.33	3/4	3,806.55	3/4	3,456.33	3/4	3,096.60	3/4	2,736.88	3/4	2,377.15
7		7		7		7	4,756.06	7	4,440.07	7	3,799.45	7	3,448.84	7	3,089.11	7	2,729.38	7	2,369.66
1/4		1/4		1/4		1/4	4,750.78	1/4	4,433.81	1/4	3,792.35	1/4	3,441.34	1/4	3,081.62	1/4	2,721.89	1/4	2,362.16
1/2		1/2		1/2		1/2	4,745.51	1/2	4,427.55	1/2	3,785.25	1/2	3,433.85	1/2	3,074.12	1/2	2,714.39	1/2	2,354.67
3/4		3/4		3/4		3/4	4,738.88	3/4	4,421.26	3/4	3,778.12	3/4	3,426.35	3/4	3,066.63	3/4	2,706.90	3/4	2,347.17
8		8		8		8	4,732.24	8	4,414.96	8	3,770.98	8	3,418.86	8	3,059.13	8	2,699.41	8	2,339.68
1/4		1/4		1/4		1/4	4,725.60	1/4	4,408.66	1/4	3,763.85	1/4	3,411.36	1/4	3,051.64	1/4	2,691.91	1/4	2,332.19
1/2		1/2		1/2		1/2	4,718.97	1/2	4,402.37	1/2	3,756.71	1/2	3,403.87	1/2	3,044.14	1/2	2,684.42	1/2	2,324.69
3/4		3/4		3/4		3/4	4,711.65	3/4	4,396.04	3/4	3,749.55	3/4	3,396.38	3/4	3,036.65	3/4	2,676.92	3/4	2,317.20
9		9		9		9	4,704.34	9	4,389.71	9	3,742.38	9	3,388.88	9	3,029.16	9	2,669.43	9	2,309.70
1/4		1/4		1/4		1/4	4,697.02	1/4	4,383.38	1/4	3,735.21	1/4	3,381.39	1/4	3,021.66	1/4	2,661.93	1/4	2,302.21
1/2		1/2		1/2		1/2	4,689.70	1/2	4,377.05	1/2	3,728.04	1/2	3,373.89	1/2	3,014.17	1/2	2,654.44	1/2	2,294.71
3/4		3/4		3/4		3/4	4,682.23	3/4	4,370.69	3/4	3,720.84	3/4	3,366.40	3/4	3,006.67	3/4	2,646.95	3/4	2,287.22
10		10		10		10	4,674.75	10	4,364.32	10	3,713.63	10	3,358.90	10	2,999.18	10	2,639.45	10	2,279.73
1/4		1/4		1/4		1/4	4,667.27	1/4	4,357.96	1/4	3,706.43	1/4	3,351.41	1/4	2,991.68	1/4	2,631.96	1/4	2,272.23
1/2		1/2		1/2		1/2	4,659.80	1/2	4,351.60	1/2	3,699.23	1/2	3,343.92	1/2	2,984.19	1/2	2,624.46	1/2	2,264.74
3/4		3/4		3/4		3/4	4,652.32	3/4	4,345.20	3/4	3,691.99	3/4	3,336.42	3/4	2,976.69	3/4	2,616.97	3/4	2,257.24
11		11		11		11	4,644.84	11	4,338.80	11	3,684.75	11	3,328.93	11	2,969.20	11	2,609.47	11	2,249.75
1/4		1/4		1/4		1/4	4,637.37	1/4	4,332.40	1/4	3,677.51	1/4	3,321.43	1/4	2,961.71	1/4	2,601.98	1/4	2,242.25
1/2		1/2		1/2		1/2	4,629.89	1/2	4,326.00	1/2	3,670.28	1/2	3,313.94	1/2	2,954.21	1/2	2,594.49	1/2	2,234.76
3/4		3/4		3/4		3/4	4,622.41	3/4	4,319.57	3/4	3,663.01	3/4	3,306.44	3/4	2,946.72	3/4	2,586.99	3/4	2,227.26

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "EMS 500"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,219.77	0	1,860.04	0	1,500.32	0	1,140.73	0	782.01	0	425.95	0	104.15	0		0			
1/4	2,212.28	1/4	1,852.55	1/4	1,492.82	1/4	1,133.26	1/4	774.53	1/4	418.79	1/4	97.89	1/4		1/4			
1/2	2,204.78	1/2	1,845.06	1/2	1,485.33	1/2	1,125.79	1/2	767.05	1/2	411.64	1/2	91.64	1/2		1/2			
3/4	2,197.29	3/4	1,837.56	3/4	1,477.83	3/4	1,118.32	3/4	759.57	3/4	404.56	3/4	85.46	3/4		3/4			
1	2,189.79	1	1,830.07	1	1,470.34	1	1,110.85	1	752.09	1	397.48	1	79.29	1		1			
1/4	2,182.30	1/4	1,822.57	1/4	1,462.85	1/4	1,103.38	1/4	744.61	1/4	390.40	1/4	73.11	1/4		1/4			
1/2	2,174.80	1/2	1,815.08	1/2	1,455.35	1/2	1,095.90	1/2	737.13	1/2	383.32	1/2	66.93	1/2		1/2			
3/4	2,167.31	3/4	1,807.58	3/4	1,447.86	3/4	1,088.43	3/4	729.66	3/4	376.31	3/4	60.83	3/4		3/4			
2	2,159.82	2	1,800.09	2	1,440.36	2	1,080.96	2	722.18	2	369.31	2	54.73	2		2			
1/4	2,152.32	1/4	1,792.60	1/4	1,432.87	1/4	1,073.49	1/4	714.70	1/4	362.30	1/4	48.62	1/4		1/4			
1/2	2,144.83	1/2	1,785.10	1/2	1,425.37	1/2	1,066.02	1/2	707.22	1/2	355.30	1/2	42.52	1/2		1/2			
3/4	2,137.33	3/4	1,777.61	3/4	1,417.88	3/4	1,058.55	3/4	699.74	3/4	348.37	3/4	36.76	3/4		3/4			
3	2,129.84	3	1,770.11	3	1,410.39	3	1,051.08	3	692.26	3	341.44	3	31.00	3		3			
1/4	2,122.34	1/4	1,762.62	1/4	1,402.89	1/4	1,043.61	1/4	684.78	1/4	334.51	1/4	25.24	1/4		1/4			
1/2	2,114.85	1/2	1,755.12	1/2	1,395.40	1/2	1,036.14	1/2	677.30	1/2	327.58	1/2	19.48	1/2		1/2			
3/4	2,107.36	3/4	1,747.63	3/4	1,387.90	3/4	1,028.66	3/4	669.82	3/4	320.72	3/4	15.67	3/4		3/4			
4	2,099.86	4	1,740.14	4	1,380.41	4	1,021.19	4	662.34	4	313.87	4	11.86	4		4			
1/4	2,092.37	1/4	1,732.64	1/4	1,372.91	1/4	1,013.72	1/4	654.86	1/4	307.01	1/4	8.05	1/4		1/4			
1/2	2,084.87	1/2	1,725.15	1/2	1,365.42	1/2	1,006.25	1/2	647.39	1/2	300.16	1/2	4.23	1/2		1/2			
3/4	2,077.38	3/4	1,717.65	3/4	1,357.93	3/4	998.78	3/4	639.91	3/4	293.38	3/4		3/4		3/4			
5	2,069.88	5	1,710.16	5	1,350.43	5	991.31	5	632.43	5	286.60	5		5		5			
1/4	2,062.39	1/4	1,702.66	1/4	1,342.94	1/4	983.84	1/4	624.95	1/4	279.82	1/4		1/4		1/4			
1/2	2,054.90	1/2	1,695.17	1/2	1,335.44	1/2	976.37	1/2	617.47	1/2	273.04	1/2		1/2		1/2			
3/4	2,047.40	3/4	1,687.68	3/4	1,327.95	3/4	968.90	3/4	609.99	3/4	266.34	3/4		3/4		3/4			
6	2,039.91	6	1,680.18	6	1,320.45	6	961.42	6	602.51	6	259.63	6		6		6			
1/4	2,032.41	1/4	1,672.69	1/4	1,312.96	1/4	953.95	1/4	595.03	1/4	252.93	1/4		1/4		1/4			
1/2	2,024.92	1/2	1,665.19	1/2	1,305.47	1/2	946.48	1/2	587.55	1/2	246.22	1/2		1/2		1/2			
3/4	2,017.42	3/4	1,657.70	3/4	1,297.97	3/4	939.01	3/4	580.07	3/4	239.59	3/4		3/4		3/4			
7	2,009.93	7	1,650.20	7	1,290.48	7	931.54	7	572.59	7	232.97	7		7		7			
1/4	2,002.44	1/4	1,642.71	1/4	1,282.98	1/4	924.07	1/4	565.12	1/4	226.34	1/4		1/4		1/4			
1/2	1,994.94	1/2	1,635.22	1/2	1,275.49	1/2	916.60	1/2	557.64	1/2	219.71	1/2		1/2		1/2			
3/4	1,987.45	3/4	1,627.72	3/4	1,267.99	3/4	909.13	3/4	550.19	3/4	213.15	3/4		3/4		3/4			
8	1,979.95	8	1,620.23	8	1,260.50	8	901.66	8	542.75	8	206.60	8		8		8			
1/4	1,972.46	1/4	1,612.73	1/4	1,253.01	1/4	894.18	1/4	535.31	1/4	200.05	1/4		1/4		1/4			
1/2	1,964.96	1/2	1,605.24	1/2	1,245.51	1/2	886.71	1/2	527.87	1/2	193.49	1/2		1/2		1/2			
3/4	1,957.47	3/4	1,597.74	3/4	1,238.02	3/4	879.24	3/4	520.50	3/4	187.01	3/4		3/4		3/4			
9	1,949.98	9	1,590.25	9	1,230.52	9	871.77	9	513.14	9	180.54	9		9		9			
1/4	1,942.48	1/4	1,582.76	1/4	1,223.03	1/4	864.30	1/4	505.77	1/4	174.06	1/4		1/4		1/4			
1/2	1,934.99	1/2	1,575.26	1/2	1,215.53	1/2	856.83	1/2	498.40	1/2	167.58	1/2		1/2		1/2			
3/4	1,927.49	3/4	1,567.77	3/4	1,208.04	3/4	849.36	3/4	491.10	3/4	161.18	3/4		3/4		3/4			
10	1,920.00	10	1,560.27	10	1,200.55	10	841.89	10	483.79	10	154.77	10		10		10			
1/4	1,912.50	1/4	1,552.78	1/4	1,193.05	1/4	834.42	1/4	476.49	1/4	148.37	1/4		1/4		1/4			
1/2	1,905.01	1/2	1,545.28	1/2	1,185.56	1/2	826.94	1/2	469.18	1/2	141.97	1/2		1/2		1/2			
3/4	1,897.52	3/4	1,537.79	3/4	1,178.09	3/4	819.45	3/4	461.95	3/4	135.64	3/4		3/4		3/4			
11	1,890.02	11	1,530.30	11	1,170.62	11	811.96	11	454.72	11	129.31	11		11		11			
1/4	1,882.53	1/4	1,522.80	1/4	1,163.14	1/4	804.46	1/4	447.49	1/4	122.98	1/4		1/4		1/4			
1/2	1,875.03	1/2	1,515.31	1/2	1,155.67	1/2	796.97	1/2	440.26	1/2	116.65	1/2		1/2		1/2			
3/4	1,867.54	3/4	1,507.81	3/4	1,148.20	3/4	789.49	3/4	433.10	3/4	110.40	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2016 SW
CALCULATED: 06/28/2016 CL
PRINTED: 06/30/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2016

PRECISION MEASUREMENT
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BARGE "EMS 500"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,717.58	0	4,413.63	0	4,094.32	0	3,754.87	0	3,397.19	0	3,036.39	0	2,675.60
1/4		1/4		1/4		1/4	4,710.08	1/4	4,407.17	1/4	4,087.46	1/4	3,747.58	1/4	3,389.67	1/4	3,028.88	1/4	2,668.08
1/2		1/2		1/2		1/2	4,702.58	1/2	4,400.72	1/2	4,080.59	1/2	3,740.28	1/2	3,382.15	1/2	3,021.36	1/2	2,660.57
3/4		3/4		3/4		3/4	4,695.08	3/4	4,394.26	3/4	4,073.73	3/4	3,732.99	3/4	3,374.64	3/4	3,013.84	3/4	2,653.05
1		1		1		1	4,689.00	1	4,387.77	1	4,066.82	1	3,725.66	1	3,367.12	1	3,006.33	1	2,645.54
1/4		1/4		1/4		1/4	4,682.92	1/4	4,381.28	1/4	4,059.92	1/4	3,718.33	1/4	3,359.60	1/4	2,998.81	1/4	2,638.02
1/2		1/2		1/2		1/2	4,676.84	1/2	4,374.79	1/2	4,053.02	1/2	3,711.01	1/2	3,352.09	1/2	2,991.29	1/2	2,630.50
3/4		3/4		3/4		3/4	4,670.77	3/4	4,368.30	3/4	4,046.12	3/4	3,703.68	3/4	3,344.57	3/4	2,983.78	3/4	2,622.99
2		2		2		2	4,664.65	2	4,361.78	2	4,039.19	2	3,696.31	2	3,337.05	2	2,976.26	2	2,615.47
1/4		1/4		1/4		1/4	4,658.54	1/4	4,355.26	1/4	4,032.25	1/4	3,688.95	1/4	3,329.54	1/4	2,968.74	1/4	2,607.95
1/2		1/2		1/2		1/2	4,652.43	1/2	4,348.73	1/2	4,025.32	1/2	3,681.59	1/2	3,322.02	1/2	2,961.23	1/2	2,600.44
3/4		3/4		3/4		3/4	4,646.31	3/4	4,342.21	3/4	4,018.39	3/4	3,674.23	3/4	3,314.50	3/4	2,953.71	3/4	2,592.92
3		3		3		3	4,640.17	3	4,335.65	3	4,011.42	3	3,666.83	3	3,306.99	3	2,946.20	3	2,585.40
1/4		1/4		1/4		1/4	4,634.02	1/4	4,329.09	1/4	4,004.45	1/4	3,659.43	1/4	3,299.47	1/4	2,938.68	1/4	2,577.89
1/2		1/2		1/2		1/2	4,627.87	1/2	4,322.53	1/2	3,997.48	1/2	3,652.04	1/2	3,291.95	1/2	2,931.16	1/2	2,570.37
3/4		3/4		3/4		3/4	4,621.72	3/4	4,315.98	3/4	3,990.51	3/4	3,644.64	3/4	3,284.44	3/4	2,923.65	3/4	2,562.85
4		4		4		4	4,615.54	4	4,309.38	4	3,983.51	4	3,637.21	4	3,276.92	4	2,916.13	4	2,555.34
1/4		1/4		1/4		1/4	4,609.36	1/4	4,302.79	1/4	3,976.50	1/4	3,629.78	1/4	3,269.40	1/4	2,908.61	1/4	2,547.82
1/2		1/2		1/2		1/2	4,603.18	1/2	4,296.20	1/2	3,969.50	1/2	3,622.35	1/2	3,261.89	1/2	2,901.10	1/2	2,540.30
3/4		3/4		3/4		3/4	4,597.00	3/4	4,289.61	3/4	3,962.50	3/4	3,614.92	3/4	3,254.37	3/4	2,893.58	3/4	2,532.79
5		5		5		5	4,590.78	5	4,282.98	5	3,955.46	5	3,607.45	5	3,246.86	5	2,886.06	5	2,525.27
1/4		1/4		1/4		1/4	4,584.57	1/4	4,276.35	1/4	3,948.42	1/4	3,599.99	1/4	3,239.34	1/4	2,878.55	1/4	2,517.75
1/2		1/2		1/2		1/2	4,578.35	1/2	4,269.73	1/2	3,941.39	1/2	3,592.52	1/2	3,231.82	1/2	2,871.03	1/2	2,510.24
3/4		3/4		3/4		3/4	4,572.14	3/4	4,263.10	3/4	3,934.35	3/4	3,585.06	3/4	3,224.31	3/4	2,863.51	3/4	2,502.72
6		6		6		6	4,565.89	6	4,256.44	6	3,927.26	6	3,577.55	6	3,216.79	6	2,856.00	6	2,495.21
1/4		1/4		1/4		1/4	4,559.64	1/4	4,249.78	1/4	3,920.17	1/4	3,570.04	1/4	3,209.27	1/4	2,848.48	1/4	2,487.69
1/2		1/2		1/2		1/2	4,553.39	1/2	4,243.12	1/2	3,913.08	1/2	3,562.54	1/2	3,201.76	1/2	2,840.96	1/2	2,480.17
3/4		3/4		3/4		3/4	4,547.14	3/4	4,236.46	3/4	3,905.99	3/4	3,555.03	3/4	3,194.24	3/4	2,833.45	3/4	2,472.66
7		7		7	4,856.90	7	4,540.85	7	4,229.76	7	3,898.87	7	3,547.52	7	3,186.72	7	2,825.93	7	2,465.14
1/4		1/4		1/4	4,851.61	1/4	4,534.57	1/4	4,223.07	1/4	3,891.75	1/4	3,540.00	1/4	3,179.21	1/4	2,818.41	1/4	2,457.62
1/2		1/2		1/2	4,846.33	1/2	4,528.28	1/2	4,216.37	1/2	3,884.63	1/2	3,532.48	1/2	3,171.69	1/2	2,810.90	1/2	2,450.11
3/4		3/4		3/4	4,841.04	3/4	4,522.00	3/4	4,209.68	3/4	3,877.50	3/4	3,524.97	3/4	3,164.17	3/4	2,803.38	3/4	2,442.59
8		8		8	4,834.38	8	4,515.68	8	4,202.95	8	3,870.35	8	3,517.45	8	3,156.66	8	2,795.87	8	2,435.07
1/4		1/4		1/4	4,827.73	1/4	4,509.36	1/4	4,196.22	1/4	3,863.19	1/4	3,509.93	1/4	3,149.14	1/4	2,788.35	1/4	2,427.56
1/2		1/2		1/2	4,821.08	1/2	4,503.04	1/2	4,189.49	1/2	3,856.03	1/2	3,502.42	1/2	3,141.62	1/2	2,780.83	1/2	2,420.04
3/4		3/4		3/4	4,814.42	3/4	4,496.72	3/4	4,182.76	3/4	3,848.87	3/4	3,494.90	3/4	3,134.11	3/4	2,773.32	3/4	2,412.52
9		9		9	4,807.09	9	4,490.37	9	4,176.00	9	3,841.68	9	3,487.38	9	3,126.59	9	2,765.80	9	2,405.01
1/4		1/4		1/4	4,799.75	1/4	4,484.02	1/4	4,169.23	1/4	3,834.49	1/4	3,479.87	1/4	3,119.07	1/4	2,758.28	1/4	2,397.49
1/2		1/2		1/2	4,792.41	1/2	4,477.67	1/2	4,162.47	1/2	3,827.30	1/2	3,472.35	1/2	3,111.56	1/2	2,750.77	1/2	2,389.97
3/4		3/4		3/4	4,785.07	3/4	4,471.31	3/4	4,155.71	3/4	3,820.11	3/4	3,464.83	3/4	3,104.04	3/4	2,743.25	3/4	2,382.46
10		10		10	4,777.57	10	4,464.93	10	4,148.91	10	3,812.88	10	3,457.32	10	3,096.53	10	2,735.73	10	2,374.94
1/4		1/4		1/4	4,770.07	1/4	4,458.54	1/4	4,142.11	1/4	3,805.66	1/4	3,449.80	1/4	3,089.01	1/4	2,728.22	1/4	2,367.42
1/2		1/2		1/2	4,762.57	1/2	4,452.15	1/2	4,135.31	1/2	3,798.43	1/2	3,442.28	1/2	3,081.49	1/2	2,720.70	1/2	2,359.91
3/4		3/4		3/4	4,755.08	3/4	4,445.77	3/4	4,128.52	3/4	3,791.21	3/4	3,434.77	3/4	3,073.98	3/4	2,713.18	3/4	2,352.39
11		11		11	4,747.58	11	4,439.35	11	4,121.69	11	3,783.95	11	3,427.25	11	3,066.46	11	2,705.67	11	2,344.88
1/4		1/4		1/4	4,740.08	1/4	4,432.92	1/4	4,114.85	1/4	3,776.69	1/4	3,419.73	1/4	3,058.94	1/4	2,698.15	1/4	2,337.36
1/2		1/2		1/2	4,732.58	1/2	4,426.50	1/2	4,108.02	1/2	3,769.43	1/2	3,412.22	1/2	3,051.43	1/2	2,690.63	1/2	2,329.84
3/4		3/4		3/4	4,725.08	3/4	4,420.08	3/4	4,101.19	3/4	3,762.17	3/4	3,404.70	3/4	3,043.91	3/4	2,683.12	3/4	2,322.33

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 500"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,314.81	0	1,954.02	0	1,593.23	0	1,232.43	0	871.66	0	511.45	0	150.67	0		0			
1/4	2,307.29	1/4	1,946.50	1/4	1,585.71	1/4	1,224.92	1/4	864.15	1/4	503.93	1/4	143.15	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,299.78	1/2	1,938.98	1/2	1,578.19	1/2	1,217.40	1/2	856.65	1/2	496.42	1/2	135.64	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,292.26	3/4	1,931.47	3/4	1,570.68	3/4	1,209.88	3/4	849.15	3/4	488.90	3/4	128.12	3/4	3/4	3/4	3/4	3/4	3/4
1	2,284.74	1	1,923.95	1	1,563.16	1	1,202.37	1	841.65	1	481.39	1	120.60	1	1	1	1	1	1
1/4	2,277.23	1/4	1,916.43	1/4	1,555.64	1/4	1,194.85	1/4	834.15	1/4	473.87	1/4	113.09	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,269.71	1/2	1,908.92	1/2	1,548.13	1/2	1,187.33	1/2	826.65	1/2	466.35	1/2	105.57	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,262.19	3/4	1,901.40	3/4	1,540.61	3/4	1,179.82	3/4	819.15	3/4	458.84	3/4	98.05	3/4	3/4	3/4	3/4	3/4	3/4
2	2,254.68	2	1,893.89	2	1,533.09	2	1,172.30	2	811.64	2	451.32	2	90.54	2	2	2	2	2	2
1/4	2,247.16	1/4	1,886.37	1/4	1,525.58	1/4	1,164.78	1/4	804.14	1/4	443.80	1/4	83.02	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,239.64	1/2	1,878.85	1/2	1,518.06	1/2	1,157.27	1/2	796.64	1/2	436.29	1/2	75.51	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,232.13	3/4	1,871.34	3/4	1,510.54	3/4	1,149.75	3/4	789.14	3/4	428.77	3/4	67.99	3/4	3/4	3/4	3/4	3/4	3/4
3	2,224.61	3	1,863.82	3	1,503.03	3	1,142.24	3	781.64	3	421.26	3	60.74	3	3	3	3	3	3
1/4	2,217.09	1/4	1,856.30	1/4	1,495.51	1/4	1,134.72	1/4	774.14	1/4	413.74	1/4	53.49	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,209.58	1/2	1,848.79	1/2	1,487.99	1/2	1,127.20	1/2	766.64	1/2	406.22	1/2	46.25	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,202.06	3/4	1,841.27	3/4	1,480.48	3/4	1,119.69	3/4	759.13	3/4	398.71	3/4	39.00	3/4	3/4	3/4	3/4	3/4	3/4
4	2,194.55	4	1,833.75	4	1,472.96	4	1,112.17	4	751.63	4	391.19	4	33.63	4	4	4	4	4	4
1/4	2,187.03	1/4	1,826.24	1/4	1,465.44	1/4	1,104.65	1/4	744.13	1/4	383.67	1/4	28.26	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,179.51	1/2	1,818.72	1/2	1,457.93	1/2	1,097.14	1/2	736.63	1/2	376.16	1/2	22.89	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,172.00	3/4	1,811.20	3/4	1,450.41	3/4	1,089.62	3/4	729.13	3/4	368.64	3/4	17.52	3/4	3/4	3/4	3/4	3/4	3/4
5	2,164.48	5	1,803.69	5	1,442.90	5	1,082.10	5	721.63	5	361.13	5		5	5	5	5	5	5
1/4	2,156.96	1/4	1,796.17	1/4	1,435.38	1/4	1,074.59	1/4	714.12	1/4	353.61	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,149.45	1/2	1,788.65	1/2	1,427.86	1/2	1,067.07	1/2	706.62	1/2	346.09	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,141.93	3/4	1,781.14	3/4	1,420.35	3/4	1,059.55	3/4	699.12	3/4	338.58	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,134.41	6	1,773.62	6	1,412.83	6	1,052.04	6	691.62	6	331.06	6		6	6	6	6	6	6
1/4	2,126.90	1/4	1,766.10	1/4	1,405.31	1/4	1,044.52	1/4	684.12	1/4	323.54	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,119.38	1/2	1,758.59	1/2	1,397.80	1/2	1,037.00	1/2	676.62	1/2	316.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,111.86	3/4	1,751.07	3/4	1,390.28	3/4	1,029.49	3/4	669.12	3/4	308.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,104.35	7	1,743.56	7	1,382.76	7	1,021.97	7	661.61	7	300.99	7		7	7	7	7	7	7
1/4	2,096.83	1/4	1,736.04	1/4	1,375.25	1/4	1,014.45	1/4	654.11	1/4	293.48	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,089.31	1/2	1,728.52	1/2	1,367.73	1/2	1,006.94	1/2	646.61	1/2	285.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,081.80	3/4	1,721.01	3/4	1,360.21	3/4	999.42	3/4	639.11	3/4	278.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,074.28	8	1,713.49	8	1,352.70	8	991.91	8	631.61	8	270.93	8		8	8	8	8	8	8
1/4	2,066.76	1/4	1,705.97	1/4	1,345.18	1/4	984.39	1/4	624.11	1/4	263.41	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,059.25	1/2	1,698.46	1/2	1,337.66	1/2	976.87	1/2	616.61	1/2	255.90	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,051.73	3/4	1,690.94	3/4	1,330.15	3/4	969.36	3/4	609.10	3/4	248.38	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,044.22	9	1,683.42	9	1,322.63	9	961.84	9	601.60	9	240.86	9		9	9	9	9	9	9
1/4	2,036.70	1/4	1,675.91	1/4	1,315.11	1/4	954.32	1/4	594.10	1/4	233.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,029.18	1/2	1,668.39	1/2	1,307.60	1/2	946.81	1/2	586.60	1/2	225.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,021.67	3/4	1,660.87	3/4	1,300.08	3/4	939.29	3/4	579.10	3/4	218.32	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,014.15	10	1,653.36	10	1,292.57	10	931.77	10	571.58	10	210.80	10		10	10	10	10	10	10
1/4	2,006.63	1/4	1,645.84	1/4	1,285.05	1/4	924.26	1/4	564.07	1/4	203.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,999.12	1/2	1,638.32	1/2	1,277.53	1/2	916.74	1/2	556.55	1/2	195.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,991.60	3/4	1,630.81	3/4	1,270.02	3/4	909.22	3/4	549.03	3/4	188.25	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,984.08	11	1,623.29	11	1,262.50	11	901.71	11	541.52	11	180.73	11		11	11	11	11	11	11
1/4	1,976.57	1/4	1,615.77	1/4	1,254.98	1/4	894.19	1/4	534.00	1/4	173.22	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,969.05	1/2	1,608.26	1/2	1,247.47	1/2	886.67	1/2	526.48	1/2	165.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,961.53	3/4	1,600.74	3/4	1,239.95	3/4	879.16	3/4	518.97	3/4	158.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2016 SW
CALCULATED: 06/28/2016 CL
PRINTED: 06/30/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2016

PRECISION MEASUREMENT
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BARGE "EMS 500"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	4,690.69	0	4,388.06	0	4,068.63	0	3,729.05	0	3,371.48	0	3,011.01	0	2,650.53
1/4		1/4		1/4		1/4	4,683.20	1/4	4,381.61	1/4	4,061.77	1/4	3,721.76	1/4	3,363.97	1/4	3,003.50	1/4	2,643.02
1/2		1/2		1/2		1/2	4,675.71	1/2	4,375.16	1/2	4,054.91	1/2	3,714.47	1/2	3,356.46	1/2	2,995.99	1/2	2,635.51
3/4		3/4		3/4		3/4	4,669.64	3/4	4,368.67	3/4	4,048.01	3/4	3,707.15	3/4	3,348.95	3/4	2,988.48	3/4	2,628.00
1		1		1		1	4,663.56	1	4,362.19	1	4,041.12	1	3,699.83	1	3,341.44	1	2,980.97	1	2,620.49
1/4		1/4		1/4		1/4	4,657.49	1/4	4,355.71	1/4	4,034.22	1/4	3,692.51	1/4	3,333.93	1/4	2,973.46	1/4	2,612.98
1/2		1/2		1/2		1/2	4,651.42	1/2	4,349.22	1/2	4,027.33	1/2	3,685.19	1/2	3,326.42	1/2	2,965.95	1/2	2,605.47
3/4		3/4		3/4		3/4	4,645.31	3/4	4,342.70	3/4	4,020.40	3/4	3,677.83	3/4	3,318.91	3/4	2,958.44	3/4	2,597.96
2		2		2		2	4,639.20	2	4,336.19	2	4,013.47	2	3,670.47	2	3,311.40	2	2,950.93	2	2,590.45
1/4		1/4		1/4		1/4	4,633.09	1/4	4,329.67	1/4	4,006.54	1/4	3,663.12	1/4	3,303.89	1/4	2,943.42	1/4	2,582.94
1/2		1/2		1/2		1/2	4,626.99	1/2	4,323.15	1/2	3,999.62	1/2	3,655.76	1/2	3,296.38	1/2	2,935.91	1/2	2,575.43
3/4		3/4		3/4		3/4	4,620.84	3/4	4,316.60	3/4	3,992.65	3/4	3,648.37	3/4	3,288.87	3/4	2,928.40	3/4	2,567.92
3		3		3		3	4,614.70	3	4,310.04	3	3,985.69	3	3,640.98	3	3,281.36	3	2,920.89	3	2,560.41
1/4		1/4		1/4		1/4	4,608.56	1/4	4,303.49	1/4	3,978.73	1/4	3,633.59	1/4	3,273.85	1/4	2,913.38	1/4	2,552.90
1/2		1/2		1/2		1/2	4,602.42	1/2	4,296.94	1/2	3,971.76	1/2	3,626.20	1/2	3,266.34	1/2	2,905.87	1/2	2,545.39
3/4		3/4		3/4		3/4	4,596.24	3/4	4,290.35	3/4	3,964.77	3/4	3,618.78	3/4	3,258.83	3/4	2,898.36	3/4	2,537.88
4		4		4		4	4,590.07	4	4,283.77	4	3,957.77	4	3,611.35	4	3,251.32	4	2,890.85	4	2,530.37
1/4		1/4		1/4		1/4	4,583.89	1/4	4,277.18	1/4	3,950.77	1/4	3,603.93	1/4	3,243.81	1/4	2,883.34	1/4	2,522.86
1/2		1/2		1/2		1/2	4,577.71	1/2	4,270.59	1/2	3,943.78	1/2	3,596.50	1/2	3,236.30	1/2	2,875.83	1/2	2,515.35
3/4		3/4		3/4		3/4	4,571.50	3/4	4,263.97	3/4	3,936.75	3/4	3,589.05	3/4	3,228.79	3/4	2,868.32	3/4	2,507.84
5		5		5		5	4,565.29	5	4,257.35	5	3,929.72	5	3,581.59	5	3,221.28	5	2,860.81	5	2,500.33
1/4		1/4		1/4		1/4	4,559.08	1/4	4,250.73	1/4	3,922.68	1/4	3,574.13	1/4	3,213.77	1/4	2,853.30	1/4	2,492.82
1/2		1/2		1/2		1/2	4,552.87	1/2	4,244.11	1/2	3,915.65	1/2	3,566.67	1/2	3,206.26	1/2	2,845.79	1/2	2,485.31
3/4		3/4		3/4		3/4	4,546.63	3/4	4,237.46	3/4	3,908.57	3/4	3,559.18	3/4	3,198.75	3/4	2,838.28	3/4	2,477.80
6		6		6		6	4,540.38	6	4,230.80	6	3,901.49	6	3,551.68	6	3,191.24	6	2,830.77	6	2,470.29
1/4		1/4		1/4		1/4	4,534.14	1/4	4,224.15	1/4	3,894.41	1/4	3,544.19	1/4	3,183.73	1/4	2,823.26	1/4	2,462.78
1/2		1/2		1/2		1/2	4,842.67	1/2	4,527.90	1/2	4,217.49	1/2	3,887.32	1/2	3,536.70	1/2	3,176.22	1/2	2,815.75
3/4		3/4		3/4		3/4	4,837.39	3/4	4,521.62	3/4	4,210.80	3/4	3,880.21	3/4	3,529.19	3/4	3,168.71	3/4	2,808.24
7		7		7		7	4,832.10	7	4,515.34	7	4,204.12	7	3,873.09	7	3,521.68	7	3,161.20	7	2,800.73
1/4		1/4		1/4		1/4	4,826.82	1/4	4,509.06	1/4	4,197.43	1/4	3,865.97	1/4	3,514.17	1/4	3,153.69	1/4	2,793.22
1/2		1/2		1/2		1/2	4,821.54	1/2	4,502.78	1/2	4,190.74	1/2	3,858.86	1/2	3,506.66	1/2	3,146.18	1/2	2,785.71
3/4		3/4		3/4		3/4	4,814.89	3/4	4,496.47	3/4	4,184.01	3/4	3,851.71	3/4	3,499.15	3/4	3,138.67	3/4	2,778.20
8		8		8		8	4,808.24	8	4,490.16	8	4,177.29	8	3,844.56	8	3,491.64	8	3,131.16	8	2,770.69
1/4		1/4		1/4		1/4	4,801.59	1/4	4,483.84	1/4	4,170.57	1/4	3,837.41	1/4	3,484.13	1/4	3,123.65	1/4	2,763.18
1/2		1/2		1/2		1/2	4,794.95	1/2	4,477.53	1/2	4,163.84	1/2	3,830.25	1/2	3,476.62	1/2	3,116.14	1/2	2,755.67
3/4		3/4		3/4		3/4	4,787.62	3/4	4,471.18	3/4	4,157.09	3/4	3,823.07	3/4	3,469.11	3/4	3,108.63	3/4	2,748.16
9		9		9		9	4,780.28	9	4,464.84	9	4,150.33	9	3,815.88	9	3,461.60	9	3,101.12	9	2,740.65
1/4		1/4		1/4		1/4	4,772.95	1/4	4,458.49	1/4	4,143.57	1/4	3,808.70	1/4	3,454.09	1/4	3,093.61	1/4	2,733.14
1/2		1/2		1/2		1/2	4,765.62	1/2	4,452.14	1/2	4,136.81	1/2	3,801.51	1/2	3,446.58	1/2	3,086.10	1/2	2,725.63
3/4		3/4		3/4		3/4	4,758.13	3/4	4,445.76	3/4	4,130.02	3/4	3,794.30	3/4	3,439.07	3/4	3,078.59	3/4	2,718.12
10		10		10		10	4,750.64	10	4,439.38	10	4,123.23	10	3,787.08	10	3,431.56	10	3,071.08	10	2,710.61
1/4		1/4		1/4		1/4	4,743.14	1/4	4,433.00	1/4	4,116.44	1/4	3,779.86	1/4	3,424.05	1/4	3,063.57	1/4	2,703.10
1/2		1/2		1/2		1/2	4,735.65	1/2	4,426.62	1/2	4,109.65	1/2	3,772.64	1/2	3,416.54	1/2	3,056.06	1/2	2,695.59
3/4		3/4		3/4		3/4	4,728.16	3/4	4,420.20	3/4	4,102.82	3/4	3,765.38	3/4	3,409.03	3/4	3,048.55	3/4	2,688.08
11		11		11		11	4,720.67	11	4,413.79	11	4,096.00	11	3,758.13	11	3,401.52	11	3,041.04	11	2,680.57
1/4		1/4		1/4		1/4	4,713.17	1/4	4,407.37	1/4	4,089.17	1/4	3,750.88	1/4	3,394.01	1/4	3,033.53	1/4	2,673.06
1/2		1/2		1/2		1/2	4,705.68	1/2	4,400.96	1/2	4,082.35	1/2	3,743.62	1/2	3,386.50	1/2	3,026.02	1/2	2,665.55
3/4		3/4		3/4		3/4	4,698.19	3/4	4,394.51	3/4	4,075.49	3/4	3,736.34	3/4	3,378.99	3/4	3,018.51	3/4	2,658.04

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 500"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,290.05	0	1,929.58	0	1,569.10	0	1,208.63	0	851.35	0	503.49	0	143.02	0		0			
1/4	2,282.54	1/4	1,922.07	1/4	1,561.59	1/4	1,201.12	1/4	844.17	1/4	495.98	1/4	135.52	1/4		1/4			
1/2	2,275.03	1/2	1,914.56	1/2	1,554.08	1/2	1,193.61	1/2	837.00	1/2	488.47	1/2	128.01	1/2		1/2			
3/4	2,267.52	3/4	1,907.05	3/4	1,546.57	3/4	1,186.10	3/4	829.82	3/4	480.96	3/4	120.50	3/4		3/4			
1	2,260.02	1	1,899.54	1	1,539.06	1	1,178.59	1	822.64	1	473.45	1	112.99	1		1			
1/4	2,252.51	1/4	1,892.03	1/4	1,531.55	1/4	1,171.08	1/4	815.46	1/4	465.94	1/4	105.48	1/4		1/4			
1/2	2,245.00	1/2	1,884.52	1/2	1,524.04	1/2	1,163.57	1/2	808.28	1/2	458.43	1/2	97.97	1/2		1/2			
3/4	2,237.49	3/4	1,877.01	3/4	1,516.53	3/4	1,156.06	3/4	801.11	3/4	450.92	3/4	90.46	3/4		3/4			
2	2,229.98	2	1,869.50	2	1,509.03	2	1,148.55	2	793.93	2	443.41	2	82.95	2		2			
1/4	2,222.47	1/4	1,861.99	1/4	1,501.52	1/4	1,141.04	1/4	786.75	1/4	435.90	1/4	75.44	1/4		1/4			
1/2	2,214.96	1/2	1,854.48	1/2	1,494.01	1/2	1,133.53	1/2	779.57	1/2	428.39	1/2	67.93	1/2		1/2			
3/4	2,207.45	3/4	1,846.97	3/4	1,486.50	3/4	1,126.02	3/4	772.39	3/4	420.88	3/4	60.42	3/4		3/4			
3	2,199.94	3	1,839.46	3	1,478.99	3	1,118.51	3	765.21	3	413.37	3	52.91	3		3			
1/4	2,192.43	1/4	1,831.95	1/4	1,471.48	1/4	1,111.00	1/4	758.04	1/4	405.86	1/4	45.40	1/4		1/4			
1/2	2,184.92	1/2	1,824.44	1/2	1,463.97	1/2	1,103.49	1/2	750.86	1/2	398.35	1/2	37.89	1/2		1/2			
3/4	2,177.41	3/4	1,816.93	3/4	1,456.46	3/4	1,095.98	3/4	743.68	3/4	390.84	3/4	30.38	3/4		3/4			
4	2,169.90	4	1,809.42	4	1,448.95	4	1,088.47	4	736.50	4	383.33	4	22.87	4		4			
1/4	2,162.39	1/4	1,801.91	1/4	1,441.44	1/4	1,080.96	1/4	729.32	1/4	375.82	1/4	15.36	1/4		1/4			
1/2	2,154.88	1/2	1,794.40	1/2	1,433.93	1/2	1,073.45	1/2	722.15	1/2	368.31	1/2	7.85	1/2		1/2			
3/4	2,147.37	3/4	1,786.89	3/4	1,426.42	3/4	1,065.94	3/4	714.97	3/4	360.80	3/4	0.34	3/4		3/4			
5	2,139.86	5	1,779.38	5	1,418.91	5	1,058.43	5	707.79	5	353.29	5		5		5			
1/4	2,132.35	1/4	1,771.87	1/4	1,411.40	1/4	1,050.92	1/4	700.61	1/4	345.78	1/4		1/4		1/4			
1/2	2,124.84	1/2	1,764.36	1/2	1,403.89	1/2	1,043.41	1/2	693.43	1/2	338.27	1/2		1/2		1/2			
3/4	2,117.33	3/4	1,756.85	3/4	1,396.38	3/4	1,035.90	3/4	686.25	3/4	330.76	3/4		3/4		3/4			
6	2,109.82	6	1,749.34	6	1,388.87	6	1,028.39	6	679.08	6	323.26	6		6		6			
1/4	2,102.31	1/4	1,741.83	1/4	1,381.36	1/4	1,020.88	1/4	671.90	1/4	315.75	1/4		1/4		1/4			
1/2	2,094.80	1/2	1,734.32	1/2	1,373.85	1/2	1,013.37	1/2	664.72	1/2	308.24	1/2		1/2		1/2			
3/4	2,087.29	3/4	1,726.81	3/4	1,366.34	3/4	1,005.86	3/4	657.54	3/4	300.73	3/4		3/4		3/4			
7	2,079.78	7	1,719.30	7	1,358.83	7	998.35	7	650.36	7	293.22	7		7		7			
1/4	2,072.27	1/4	1,711.79	1/4	1,351.32	1/4	990.84	1/4	643.19	1/4	285.71	1/4		1/4		1/4			
1/2	2,064.76	1/2	1,704.28	1/2	1,343.81	1/2	983.33	1/2	636.01	1/2	278.20	1/2		1/2		1/2			
3/4	2,057.25	3/4	1,696.77	3/4	1,336.30	3/4	975.82	3/4	628.83	3/4	270.69	3/4		3/4		3/4			
8	2,049.74	8	1,689.26	8	1,328.79	8	968.31	8	621.65	8	263.18	8		8		8			
1/4	2,042.23	1/4	1,681.75	1/4	1,321.28	1/4	960.80	1/4	614.47	1/4	255.67	1/4		1/4		1/4			
1/2	2,034.72	1/2	1,674.24	1/2	1,313.77	1/2	953.29	1/2	607.29	1/2	248.16	1/2		1/2		1/2			
3/4	2,027.21	3/4	1,666.73	3/4	1,306.26	3/4	945.78	3/4	600.12	3/4	240.65	3/4		3/4		3/4			
9	2,019.70	9	1,659.22	9	1,298.75	9	938.27	9	592.94	9	233.14	9		9		9			
1/4	2,012.19	1/4	1,651.71	1/4	1,291.24	1/4	930.76	1/4	585.76	1/4	225.63	1/4		1/4		1/4			
1/2	2,004.68	1/2	1,644.20	1/2	1,283.73	1/2	923.25	1/2	578.58	1/2	218.12	1/2		1/2		1/2			
3/4	1,997.17	3/4	1,636.69	3/4	1,276.22	3/4	916.06	3/4	571.07	3/4	210.61	3/4		3/4		3/4			
10	1,989.66	10	1,629.18	10	1,268.71	10	908.87	10	563.56	10	203.10	10		10		10			
1/4	1,982.15	1/4	1,621.67	1/4	1,261.20	1/4	901.67	1/4	556.05	1/4	195.59	1/4		1/4		1/4			
1/2	1,974.64	1/2	1,614.16	1/2	1,253.69	1/2	894.48	1/2	548.54	1/2	188.08	1/2		1/2		1/2			
3/4	1,967.13	3/4	1,606.65	3/4	1,246.18	3/4	887.29	3/4	541.03	3/4	180.57	3/4		3/4		3/4			
11	1,959.62	11	1,599.14	11	1,238.67	11	880.10	11	533.52	11	173.06	11		11		11			
1/4	1,952.11	1/4	1,591.63	1/4	1,231.16	1/4	872.90	1/4	526.01	1/4	165.55	1/4		1/4		1/4			
1/2	1,944.60	1/2	1,584.12	1/2	1,223.65	1/2	865.71	1/2	518.50	1/2	158.04	1/2		1/2		1/2			
3/4	1,937.09	3/4	1,576.61	3/4	1,216.14	3/4	858.53	3/4	511.00	3/4	150.53	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2016 SW
CALCULATED: 06/28/2016 CL
PRINTED: 06/30/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2016

PRECISION MEASUREMENT
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BARGE "EMS 500"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,500.81	0	4,256.61	0	3,998.49	0	3,720.21	0	3,413.22	0	3,051.61	0	2,690.03
1/4		1/4		1/4		1/4	4,494.58	1/4	4,251.42	1/4	3,992.89	1/4	3,714.19	1/4	3,405.68	1/4	3,044.08	1/4	2,682.49
1/2		1/2		1/2		1/2	4,488.34	1/2	4,246.23	1/2	3,987.29	1/2	3,708.16	1/2	3,398.15	1/2	3,036.54	1/2	2,674.96
3/4		3/4		3/4		3/4	4,482.11	3/4	4,241.04	3/4	3,981.69	3/4	3,702.13	3/4	3,390.61	3/4	3,029.01	3/4	2,667.43
1		1		1		1	4,475.87	1	4,235.85	1	3,976.09	1	3,696.10	1	3,383.07	1	3,021.48	1	2,659.89
1/4		1/4		1/4		1/4	4,471.06	1/4	4,230.63	1/4	3,970.46	1/4	3,690.04	1/4	3,375.54	1/4	3,013.95	1/4	2,652.36
1/2		1/2		1/2		1/2	4,466.25	1/2	4,225.41	1/2	3,964.82	1/2	3,683.97	1/2	3,368.00	1/2	3,006.41	1/2	2,644.83
3/4		3/4		3/4		3/4	4,461.44	3/4	4,220.19	3/4	3,959.19	3/4	3,677.91	3/4	3,360.47	3/4	2,998.88	3/4	2,637.30
2		2		2		2	4,456.63	2	4,214.96	2	3,953.55	2	3,671.85	2	3,352.93	2	2,991.35	2	2,629.76
1/4		1/4		1/4		1/4	4,451.78	1/4	4,209.70	1/4	3,947.88	1/4	3,665.75	1/4	3,345.40	1/4	2,983.81	1/4	2,622.23
1/2		1/2		1/2		1/2	4,446.93	1/2	4,204.45	1/2	3,942.22	1/2	3,659.65	1/2	3,337.86	1/2	2,976.28	1/2	2,614.70
3/4		3/4		3/4		3/4	4,442.09	3/4	4,199.19	3/4	3,936.55	3/4	3,653.55	3/4	3,330.33	3/4	2,968.75	3/4	2,607.16
3		3		3		3	4,437.24	3	4,193.93	3	3,930.88	3	3,647.46	3	3,322.80	3	2,961.21	3	2,599.63
1/4		1/4		1/4		1/4	4,432.36	1/4	4,188.64	1/4	3,925.17	1/4	3,641.33	1/4	3,315.27	1/4	2,953.68	1/4	2,592.10
1/2		1/2		1/2		1/2	4,427.48	1/2	4,183.35	1/2	3,919.47	1/2	3,635.19	1/2	3,307.73	1/2	2,946.15	1/2	2,584.56
3/4		3/4		3/4		3/4	4,422.60	3/4	4,178.06	3/4	3,913.77	3/4	3,629.06	3/4	3,300.20	3/4	2,938.62	3/4	2,577.03
4		4		4		4	4,417.72	4	4,172.76	4	3,908.07	4	3,622.93	4	3,292.67	4	2,931.08	4	2,569.50
1/4		1/4		1/4		1/4	4,412.81	1/4	4,167.44	1/4	3,902.33	1/4	3,616.76	1/4	3,285.13	1/4	2,923.55	1/4	2,561.97
1/2		1/2		1/2		1/2	4,407.89	1/2	4,162.11	1/2	3,896.59	1/2	3,610.60	1/2	3,277.60	1/2	2,916.02	1/2	2,554.43
3/4		3/4		3/4		3/4	4,402.98	3/4	4,156.79	3/4	3,890.85	3/4	3,604.43	3/4	3,270.07	3/4	2,908.48	3/4	2,546.90
5		5		5		5	4,398.06	5	4,151.46	5	3,885.12	5	3,598.27	5	3,262.53	5	2,900.95	5	2,539.37
1/4		1/4		1/4		1/4	4,393.11	1/4	4,146.10	1/4	3,879.34	1/4	3,592.07	1/4	3,255.00	1/4	2,893.42	1/4	2,531.83
1/2		1/2		1/2		1/2	4,388.16	1/2	4,140.74	1/2	3,873.57	1/2	3,585.87	1/2	3,247.47	1/2	2,885.88	1/2	2,524.30
3/4		3/4		3/4		3/4	4,383.21	3/4	4,135.38	3/4	3,867.80	3/4	3,579.66	3/4	3,239.94	3/4	2,878.35	3/4	2,516.77
6		6		6		6	4,378.27	6	4,130.02	6	3,862.03	6	3,573.46	6	3,232.40	6	2,870.82	6	2,509.23
1/4		1/4		1/4		1/4	4,373.28	1/4	4,124.63	1/4	3,856.21	1/4	3,567.23	1/4	3,224.87	1/4	2,863.29	1/4	2,501.70
1/2		1/2		1/2		1/2	4,368.30	1/2	4,119.23	1/2	3,850.38	1/2	3,561.00	1/2	3,217.34	1/2	2,855.75	1/2	2,494.17
3/4		3/4		3/4		3/4	4,363.32	3/4	4,113.84	3/4	3,844.56	3/4	3,554.76	3/4	3,209.80	3/4	2,848.22	3/4	2,486.64
7		7		7	4,612.60	7	4,358.33	7	4,108.44	7	3,838.74	7	3,548.53	7	3,202.27	7	2,840.69	7	2,479.10
1/4		1/4		1/4	4,608.58	1/4	4,353.31	1/4	4,103.01	1/4	3,832.88	1/4	3,542.27	1/4	3,194.74	1/4	2,833.15	1/4	2,471.57
1/2		1/2		1/2	4,604.56	1/2	4,348.30	1/2	4,097.58	1/2	3,827.02	1/2	3,536.02	1/2	3,187.20	1/2	2,825.62	1/2	2,464.04
3/4		3/4		3/4	4,600.55	3/4	4,343.28	3/4	4,092.15	3/4	3,821.16	3/4	3,529.77	3/4	3,179.67	3/4	2,818.09	3/4	2,456.50
8		8		8	4,596.53	8	4,338.26	8	4,086.73	8	3,815.31	8	3,523.52	8	3,172.14	8	2,810.55	8	2,448.97
1/4		1/4		1/4	4,591.14	1/4	4,333.21	1/4	4,081.26	1/4	3,809.41	1/4	3,517.27	1/4	3,164.61	1/4	2,803.02	1/4	2,441.44
1/2		1/2		1/2	4,585.75	1/2	4,328.16	1/2	4,075.80	1/2	3,803.52	1/2	3,511.02	1/2	3,157.07	1/2	2,795.49	1/2	2,433.90
3/4		3/4		3/4	4,580.37	3/4	4,323.11	3/4	4,070.34	3/4	3,797.63	3/4	3,504.76	3/4	3,149.54	3/4	2,787.96	3/4	2,426.37
9		9		9	4,574.98	9	4,318.06	9	4,064.87	9	3,791.74	9	3,498.51	9	3,142.01	9	2,780.42	9	2,418.84
1/4		1/4		1/4	4,568.91	1/4	4,312.97	1/4	4,059.38	1/4	3,785.81	1/4	3,492.26	1/4	3,134.47	1/4	2,772.89	1/4	2,411.31
1/2		1/2		1/2	4,562.83	1/2	4,307.88	1/2	4,053.88	1/2	3,779.89	1/2	3,486.01	1/2	3,126.94	1/2	2,765.36	1/2	2,403.77
3/4		3/4		3/4	4,556.76	3/4	4,302.80	3/4	4,048.38	3/4	3,773.96	3/4	3,479.76	3/4	3,119.41	3/4	2,757.82	3/4	2,396.24
10		10		10	4,550.69	10	4,297.71	10	4,042.88	10	3,768.03	10	3,473.50	10	3,111.87	10	2,750.29	10	2,388.71
1/4		1/4		1/4	4,544.45	1/4	4,292.59	1/4	4,037.35	1/4	3,762.07	1/4	3,465.97	1/4	3,104.34	1/4	2,742.76	1/4	2,381.17
1/2		1/2		1/2	4,538.22	1/2	4,287.47	1/2	4,031.82	1/2	3,756.11	1/2	3,458.43	1/2	3,096.81	1/2	2,735.22	1/2	2,373.64
3/4		3/4		3/4	4,531.98	3/4	4,282.35	3/4	4,026.29	3/4	3,750.15	3/4	3,450.90	3/4	3,089.28	3/4	2,727.69	3/4	2,366.11
11		11		11	4,525.75	11	4,277.23	11	4,020.76	11	3,744.19	11	3,443.36	11	3,081.74	11	2,720.16	11	2,358.57
1/4		1/4		1/4	4,519.51	1/4	4,272.07	1/4	4,015.19	1/4	3,738.20	1/4	3,435.82	1/4	3,074.21	1/4	2,712.63	1/4	2,351.04
1/2		1/2		1/2	4,513.28	1/2	4,266.92	1/2	4,009.62	1/2	3,732.20	1/2	3,428.29	1/2	3,066.68	1/2	2,705.09	1/2	2,343.51
3/4		3/4		3/4	4,507.05	3/4	4,261.77	3/4	4,004.06	3/4	3,726.21	3/4	3,420.75	3/4	3,059.14	3/4	2,697.56	3/4	2,335.98

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 500"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,328.44	0	1,966.75	0	1,604.99	0	1,243.24	0	881.49	0	520.34	0	158.61	0		0		0	
1/4	2,320.91	1/4	1,959.21	1/4	1,597.46	1/4	1,235.71	1/4	873.97	1/4	512.81	1/4	151.07	1/4		1/4		1/4	
1/2	2,313.38	1/2	1,951.67	1/2	1,589.92	1/2	1,228.17	1/2	866.45	1/2	505.27	1/2	143.53	1/2		1/2		1/2	
3/4	2,305.84	3/4	1,944.14	3/4	1,582.38	3/4	1,220.63	3/4	858.93	3/4	497.74	3/4	136.00	3/4		3/4		3/4	
1	2,298.31	1	1,936.60	1	1,574.85	1	1,213.10	1	851.40	1	490.20	1	128.46	1		1		1	
1/4	2,290.78	1/4	1,929.06	1/4	1,567.31	1/4	1,205.56	1/4	843.88	1/4	482.66	1/4	120.93	1/4		1/4		1/4	
1/2	2,283.24	1/2	1,921.53	1/2	1,559.78	1/2	1,198.02	1/2	836.36	1/2	475.13	1/2	113.39	1/2		1/2		1/2	
3/4	2,275.71	3/4	1,913.99	3/4	1,552.24	3/4	1,190.49	3/4	828.84	3/4	467.59	3/4	105.85	3/4		3/4		3/4	
2	2,268.18	2	1,906.45	2	1,544.70	2	1,182.95	2	821.32	2	460.05	2	98.32	2		2		2	
1/4	2,260.65	1/4	1,898.92	1/4	1,537.17	1/4	1,175.41	1/4	813.80	1/4	452.52	1/4	90.78	1/4		1/4		1/4	
1/2	2,253.11	1/2	1,891.38	1/2	1,529.63	1/2	1,167.88	1/2	806.28	1/2	444.98	1/2	83.24	1/2		1/2		1/2	
3/4	2,245.58	3/4	1,883.84	3/4	1,522.09	3/4	1,160.34	3/4	798.75	3/4	437.45	3/4	75.71	3/4		3/4		3/4	
3	2,238.05	3	1,876.31	3	1,514.56	3	1,152.80	3	791.23	3	429.91	3	68.17	3		3		3	
1/4	2,230.51	1/4	1,868.77	1/4	1,507.02	1/4	1,145.27	1/4	783.71	1/4	422.37	1/4	60.91	1/4		1/4		1/4	
1/2	2,222.98	1/2	1,861.24	1/2	1,499.48	1/2	1,137.73	1/2	776.19	1/2	414.84	1/2	53.64	1/2		1/2		1/2	
3/4	2,215.45	3/4	1,853.70	3/4	1,491.95	3/4	1,130.19	3/4	768.67	3/4	407.30	3/4	46.37	3/4		3/4		3/4	
4	2,207.91	4	1,846.16	4	1,484.41	4	1,122.66	4	761.15	4	399.77	4	39.10	4		4		4	
1/4	2,200.38	1/4	1,838.63	1/4	1,476.87	1/4	1,115.12	1/4	753.63	1/4	392.23	1/4	33.72	1/4		1/4		1/4	
1/2	2,192.84	1/2	1,831.09	1/2	1,469.34	1/2	1,107.59	1/2	746.10	1/2	384.69	1/2	28.34	1/2		1/2		1/2	
3/4	2,185.30	3/4	1,823.55	3/4	1,461.80	3/4	1,100.05	3/4	738.58	3/4	377.16	3/4	22.96	3/4		3/4		3/4	
5	2,177.77	5	1,816.02	5	1,454.26	5	1,092.51	5	731.06	5	369.62	5	17.57	5		5		5	
1/4	2,170.23	1/4	1,808.48	1/4	1,446.73	1/4	1,084.98	1/4	723.54	1/4	362.08	1/4		1/4		1/4		1/4	
1/2	2,162.70	1/2	1,800.94	1/2	1,439.19	1/2	1,077.44	1/2	716.02	1/2	354.55	1/2		1/2		1/2		1/2	
3/4	2,155.16	3/4	1,793.41	3/4	1,431.65	3/4	1,069.90	3/4	708.50	3/4	347.01	3/4		3/4		3/4		3/4	
6	2,147.62	6	1,785.87	6	1,424.12	6	1,062.37	6	700.98	6	339.48	6		6		6		6	
1/4	2,140.09	1/4	1,778.33	1/4	1,416.58	1/4	1,054.83	1/4	693.46	1/4	331.94	1/4		1/4		1/4		1/4	
1/2	2,132.55	1/2	1,770.80	1/2	1,409.05	1/2	1,047.29	1/2	685.93	1/2	324.40	1/2		1/2		1/2		1/2	
3/4	2,125.01	3/4	1,763.26	3/4	1,401.51	3/4	1,039.76	3/4	678.41	3/4	316.87	3/4		3/4		3/4		3/4	
7	2,117.48	7	1,755.72	7	1,393.97	7	1,032.22	7	670.89	7	309.33	7		7		7		7	
1/4	2,109.94	1/4	1,748.19	1/4	1,386.44	1/4	1,024.68	1/4	663.37	1/4	301.79	1/4		1/4		1/4		1/4	
1/2	2,102.40	1/2	1,740.65	1/2	1,378.90	1/2	1,017.15	1/2	655.85	1/2	294.26	1/2		1/2		1/2		1/2	
3/4	2,094.87	3/4	1,733.11	3/4	1,371.36	3/4	1,009.61	3/4	648.33	3/4	286.72	3/4		3/4		3/4		3/4	
8	2,087.33	8	1,725.58	8	1,363.83	8	1,002.07	8	640.81	8	279.19	8		8		8		8	
1/4	2,079.79	1/4	1,718.04	1/4	1,356.29	1/4	994.54	1/4	633.28	1/4	271.65	1/4		1/4		1/4		1/4	
1/2	2,072.26	1/2	1,710.51	1/2	1,348.75	1/2	987.00	1/2	625.76	1/2	264.11	1/2		1/2		1/2		1/2	
3/4	2,064.72	3/4	1,702.97	3/4	1,341.22	3/4	979.46	3/4	618.24	3/4	256.58	3/4		3/4		3/4		3/4	
9	2,057.18	9	1,695.43	9	1,333.68	9	971.93	9	610.72	9	249.04	9		9		9		9	
1/4	2,049.65	1/4	1,687.90	1/4	1,326.14	1/4	964.39	1/4	603.20	1/4	241.51	1/4		1/4		1/4		1/4	
1/2	2,042.11	1/2	1,680.36	1/2	1,318.61	1/2	956.86	1/2	595.68	1/2	233.97	1/2		1/2		1/2		1/2	
3/4	2,034.57	3/4	1,672.82	3/4	1,311.07	3/4	949.32	3/4	588.16	3/4	226.43	3/4		3/4		3/4		3/4	
10	2,027.04	10	1,665.29	10	1,303.53	10	941.78	10	580.63	10	218.90	10		10		10		10	
1/4	2,019.50	1/4	1,657.75	1/4	1,296.00	1/4	934.25	1/4	573.10	1/4	211.36	1/4		1/4		1/4		1/4	
1/2	2,011.97	1/2	1,650.21	1/2	1,288.46	1/2	926.71	1/2	565.56	1/2	203.82	1/2		1/2		1/2		1/2	
3/4	2,004.43	3/4	1,642.68	3/4	1,280.92	3/4	919.17	3/4	558.03	3/4	196.29	3/4		3/4		3/4		3/4	
11	1,996.89	11	1,635.14	11	1,273.39	11	911.64	11	550.49	11	188.75	11		11		11		11	
1/4	1,989.36	1/4	1,627.60	1/4	1,265.85	1/4	904.10	1/4	542.95	1/4	181.22	1/4		1/4		1/4		1/4	
1/2	1,981.82	1/2	1,620.07	1/2	1,258.32	1/2	896.56	1/2	535.42	1/2	173.68	1/2		1/2		1/2		1/2	
3/4	1,974.28	3/4	1,612.53	3/4	1,250.78	3/4	889.03	3/4	527.88	3/4	166.14	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2016 SW
CALCULATED: 06/28/2016 CL
PRINTED: 06/30/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2016

PRECISION MEASUREMENT
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BARGE "EMS 500"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	4,460.88	0	4,218.99	0	3,960.28	0	3,681.40	0	3,371.67	0	3,010.86	0	2,650.15		
1/4		1/4		1/4		1/4	4,454.65	1/4	4,213.80	1/4	3,954.69	1/4	3,675.38	1/4	3,364.14	1/4	3,003.35	1/4	2,642.63		
1/2		1/2		1/2		1/2	4,448.42	1/2	4,208.62	1/2	3,949.09	1/2	3,669.36	1/2	3,356.61	1/2	2,995.83	1/2	2,635.12		
3/4		3/4		3/4		3/4	4,443.61	3/4	4,203.40	3/4	3,943.46	3/4	3,663.30	3/4	3,349.08	3/4	2,988.32	3/4	2,627.60		
1		1		1		1	4,438.80	1	4,198.18	1	3,937.83	1	3,657.24	1	3,341.55	1	2,980.80	1	2,620.09		
1/4		1/4		1/4		1/4	4,434.00	1/4	4,192.96	1/4	3,932.20	1/4	3,651.18	1/4	3,334.02	1/4	2,973.29	1/4	2,612.57		
1/2		1/2		1/2		1/2	4,429.19	1/2	4,187.74	1/2	3,926.57	1/2	3,645.12	1/2	3,326.49	1/2	2,965.77	1/2	2,605.06		
3/4		3/4		3/4		3/4	4,424.35	3/4	4,182.49	3/4	3,920.91	3/4	3,639.03	3/4	3,318.97	3/4	2,958.26	3/4	2,597.54		
2		2		2		2	4,419.51	2	4,177.24	2	3,915.25	2	3,632.94	2	3,311.46	2	2,950.74	2	2,590.03		
1/4		1/4		1/4		1/4	4,414.66	1/4	4,171.99	1/4	3,909.58	1/4	3,626.85	1/4	3,303.94	1/4	2,943.23	1/4	2,582.51		
1/2		1/2		1/2		1/2	4,409.82	1/2	4,166.73	1/2	3,903.92	1/2	3,620.76	1/2	3,296.43	1/2	2,935.71	1/2	2,575.00		
3/4		3/4		3/4		3/4	4,404.95	3/4	4,161.45	3/4	3,898.22	3/4	3,614.63	3/4	3,288.91	3/4	2,928.20	3/4	2,567.48		
3		3		3		3	4,400.07	3	4,156.16	3	3,892.52	3	3,608.50	3	3,281.40	3	2,920.68	3	2,559.97		
1/4		1/4		1/4		1/4	4,395.19	1/4	4,150.87	1/4	3,886.83	1/4	3,602.38	1/4	3,273.88	1/4	2,913.17	1/4	2,552.45		
1/2		1/2		1/2		1/2	4,390.32	1/2	4,145.59	1/2	3,881.13	1/2	3,596.25	1/2	3,266.37	1/2	2,905.65	1/2	2,544.94		
3/4		3/4		3/4		3/4	4,385.41	3/4	4,140.27	3/4	3,875.40	3/4	3,590.09	3/4	3,258.86	3/4	2,898.14	3/4	2,537.43		
4		4		4		4	4,380.50	4	4,134.94	4	3,869.66	4	3,583.93	4	3,251.34	4	2,890.63	4	2,529.92		
1/4		1/4		1/4		1/4	4,375.59	1/4	4,129.62	1/4	3,863.93	1/4	3,577.77	1/4	3,243.83	1/4	2,883.11	1/4	2,522.41		
1/2		1/2		1/2		1/2	4,370.68	1/2	4,124.30	1/2	3,858.20	1/2	3,571.61	1/2	3,236.31	1/2	2,875.60	1/2	2,514.90		
3/4		3/4		3/4		3/4	4,365.73	3/4	4,118.95	3/4	3,852.43	3/4	3,565.42	3/4	3,228.80	3/4	2,868.08	3/4	2,507.40		
5		5		5		5	4,360.79	5	4,113.59	5	3,846.67	5	3,559.22	5	3,221.28	5	2,860.57	5	2,499.89		
1/4		1/4		1/4		1/4	4,355.84	1/4	4,108.24	1/4	3,840.90	1/4	3,553.03	1/4	3,213.77	1/4	2,853.05	1/4	2,492.38		
1/2		1/2		1/2		1/2	4,350.90	1/2	4,102.88	1/2	3,835.13	1/2	3,546.83	1/2	3,206.25	1/2	2,845.54	1/2	2,484.87		
3/4		3/4		3/4		3/4	4,345.92	3/4	4,097.49	3/4	3,829.32	3/4	3,540.60	3/4	3,198.74	3/4	2,838.02	3/4	2,477.36		
6		6		6		6	4,340.94	6	4,092.10	6	3,823.50	6	3,534.37	6	3,191.22	6	2,830.51	6	2,469.85		
1/4		1/4		1/4		1/4	4,335.96	1/4	4,086.71	1/4	3,817.68	1/4	3,528.15	1/4	3,183.71	1/4	2,822.99	1/4	2,462.34		
1/2		1/2		1/2		1/2	4,585.02	1/2	4,330.98	1/2	4,081.32	1/2	3,811.86	1/2	3,521.92	1/2	3,176.19	1/2	2,815.48	1/2	2,454.83
3/4		3/4		3/4		3/4	4,581.01	3/4	4,325.97	3/4	4,075.90	3/4	3,806.01	3/4	3,515.67	3/4	3,168.68	3/4	2,807.96	3/4	2,447.32
7		7		7		7	4,576.99	7	4,320.96	7	4,070.47	7	3,800.16	7	3,509.42	7	3,161.16	7	2,800.45	7	2,439.82
1/4		1/4		1/4		1/4	4,572.98	1/4	4,315.95	1/4	4,065.05	1/4	3,794.31	1/4	3,503.18	1/4	3,153.65	1/4	2,792.93	1/4	2,432.31
1/2		1/2		1/2		1/2	4,568.96	1/2	4,310.93	1/2	4,059.63	1/2	3,788.45	1/2	3,496.93	1/2	3,146.13	1/2	2,785.42	1/2	2,424.80
3/4		3/4		3/4		3/4	4,563.58	3/4	4,305.89	3/4	4,054.17	3/4	3,782.57	3/4	3,490.69	3/4	3,138.62	3/4	2,777.90	3/4	2,417.29
8		8		8		8	4,558.20	8	4,300.84	8	4,048.71	8	3,776.68	8	3,484.44	8	3,131.10	8	2,770.39	8	2,409.78
1/4		1/4		1/4		1/4	4,552.82	1/4	4,295.79	1/4	4,043.25	1/4	3,770.79	1/4	3,478.19	1/4	3,123.59	1/4	2,762.87	1/4	2,402.27
1/2		1/2		1/2		1/2	4,547.43	1/2	4,290.74	1/2	4,037.79	1/2	3,764.91	1/2	3,471.95	1/2	3,116.07	1/2	2,755.36	1/2	2,394.76
3/4		3/4		3/4		3/4	4,541.37	3/4	4,285.66	3/4	4,032.30	3/4	3,758.99	3/4	3,465.70	3/4	3,108.56	3/4	2,747.84	3/4	2,387.25
9		9		9		9	4,535.30	9	4,280.58	9	4,026.81	9	3,753.07	9	3,459.46	9	3,101.04	9	2,740.33	9	2,379.74
1/4		1/4		1/4		1/4	4,529.23	1/4	4,275.50	1/4	4,021.32	1/4	3,747.15	1/4	3,453.21	1/4	3,093.53	1/4	2,732.81	1/4	2,372.23
1/2		1/2		1/2		1/2	4,523.16	1/2	4,270.42	1/2	4,015.82	1/2	3,741.22	1/2	3,446.96	1/2	3,086.01	1/2	2,725.30	1/2	2,364.73
3/4		3/4		3/4		3/4	4,516.94	3/4	4,265.30	3/4	4,010.30	3/4	3,735.27	3/4	3,439.43	3/4	3,078.50	3/4	2,717.78	3/4	2,357.22
10		10		10		10	4,510.71	10	4,260.19	10	4,004.77	10	3,729.32	10	3,431.91	10	3,070.98	10	2,710.27	10	2,349.71
1/4		1/4		1/4		1/4	4,504.48	1/4	4,255.07	1/4	3,999.24	1/4	3,723.36	1/4	3,424.38	1/4	3,063.47	1/4	2,702.75	1/4	2,342.20
1/2		1/2		1/2		1/2	4,498.25	1/2	4,249.96	1/2	3,993.72	1/2	3,717.41	1/2	3,416.85	1/2	3,055.95	1/2	2,695.24	1/2	2,334.69
3/4		3/4		3/4		3/4	4,492.02	3/4	4,244.81	3/4	3,988.16	3/4	3,711.42	3/4	3,409.32	3/4	3,048.44	3/4	2,687.72	3/4	2,327.18
11		11		11		11	4,485.79	11	4,239.66	11	3,982.59	11	3,705.43	11	3,401.79	11	3,040.92	11	2,680.21	11	2,319.67
1/4		1/4		1/4		1/4	4,479.56	1/4	4,234.51	1/4	3,977.03	1/4	3,699.44	1/4	3,394.26	1/4	3,033.41	1/4	2,672.69	1/4	2,312.16
1/2		1/2		1/2		1/2	4,473.33	1/2	4,229.36	1/2	3,971.47	1/2	3,693.45	1/2	3,386.73	1/2	3,025.89	1/2	2,665.18	1/2	2,304.65
3/4		3/4		3/4		3/4	4,467.11	3/4	4,224.17	3/4	3,965.88	3/4	3,687.43	3/4	3,379.20	3/4	3,018.38	3/4	2,657.66	3/4	2,297.14

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "EMS 500"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,289.62	0	1,929.75	0	1,575.95	0	1,219.82	0	864.12	0	504.03	0	143.23	0		0			
1/4	2,282.11	1/4	1,922.39	1/4	1,568.53	1/4	1,212.40	1/4	856.71	1/4	496.51	1/4	135.72	1/4		1/4			
1/2	2,274.59	1/2	1,915.02	1/2	1,561.11	1/2	1,204.98	1/2	849.30	1/2	488.99	1/2	128.20	1/2		1/2			
3/4	2,267.07	3/4	1,907.66	3/4	1,553.69	3/4	1,197.56	3/4	841.80	3/4	481.48	3/4	120.68	3/4		3/4			
1	2,259.56	1	1,900.29	1	1,546.27	1	1,190.14	1	834.30	1	473.96	1	113.16	1		1			
1/4	2,252.04	1/4	1,892.93	1/4	1,538.85	1/4	1,182.72	1/4	826.80	1/4	466.44	1/4	105.64	1/4		1/4			
1/2	2,244.52	1/2	1,885.57	1/2	1,531.43	1/2	1,175.30	1/2	819.29	1/2	458.92	1/2	98.13	1/2		1/2			
3/4	2,237.01	3/4	1,878.20	3/4	1,524.01	3/4	1,167.88	3/4	811.79	3/4	451.40	3/4	90.61	3/4		3/4			
2	2,229.49	2	1,870.84	2	1,516.59	2	1,160.46	2	804.29	2	443.89	2	83.09	2		2			
1/4	2,221.97	1/4	1,863.47	1/4	1,509.17	1/4	1,153.05	1/4	796.79	1/4	436.37	1/4	75.57	1/4		1/4			
1/2	2,214.46	1/2	1,856.11	1/2	1,501.75	1/2	1,145.63	1/2	789.28	1/2	428.85	1/2	68.06	1/2		1/2			
3/4	2,206.94	3/4	1,848.75	3/4	1,494.33	3/4	1,138.22	3/4	781.78	3/4	421.33	3/4	60.81	3/4		3/4			
3	2,199.43	3	1,841.38	3	1,486.91	3	1,130.81	3	774.28	3	413.82	3	53.56	3		3			
1/4	2,191.91	1/4	1,834.02	1/4	1,479.49	1/4	1,123.41	1/4	766.77	1/4	406.30	1/4	46.31	1/4		1/4			
1/2	2,184.39	1/2	1,826.65	1/2	1,472.08	1/2	1,116.00	1/2	759.27	1/2	398.78	1/2	39.06	1/2		1/2			
3/4	2,176.88	3/4	1,819.29	3/4	1,464.66	3/4	1,108.59	3/4	751.77	3/4	391.26	3/4	33.68	3/4		3/4			
4	2,169.36	4	1,811.93	4	1,457.24	4	1,101.19	4	744.27	4	383.75	4	28.30	4		4			
1/4	2,161.84	1/4	1,804.56	1/4	1,449.82	1/4	1,093.78	1/4	736.76	1/4	376.23	1/4	22.93	1/4		1/4			
1/2	2,154.33	1/2	1,797.20	1/2	1,442.40	1/2	1,086.37	1/2	729.26	1/2	368.71	1/2	17.55	1/2		1/2			
3/4	2,146.81	3/4	1,789.83	3/4	1,434.98	3/4	1,078.97	3/4	721.76	3/4	361.19	3/4		3/4		3/4			
5	2,139.29	5	1,782.47	5	1,427.56	5	1,071.56	5	714.25	5	353.68	5		5		5			
1/4	2,131.78	1/4	1,775.11	1/4	1,420.14	1/4	1,064.15	1/4	706.75	1/4	346.16	1/4		1/4		1/4			
1/2	2,124.26	1/2	1,767.74	1/2	1,412.72	1/2	1,056.75	1/2	699.25	1/2	338.64	1/2		1/2		1/2			
3/4	2,116.74	3/4	1,760.38	3/4	1,405.30	3/4	1,049.34	3/4	691.75	3/4	331.13	3/4		3/4		3/4			
6	2,109.23	6	1,753.01	6	1,397.88	6	1,041.93	6	684.24	6	323.61	6		6		6			
1/4	2,101.71	1/4	1,745.65	1/4	1,390.46	1/4	1,034.53	1/4	676.74	1/4	316.10	1/4		1/4		1/4			
1/2	2,094.20	1/2	1,738.29	1/2	1,383.04	1/2	1,027.12	1/2	669.24	1/2	308.58	1/2		1/2		1/2			
3/4	2,086.68	3/4	1,730.92	3/4	1,375.62	3/4	1,019.71	3/4	661.73	3/4	301.07	3/4		3/4		3/4			
7	2,079.16	7	1,723.56	7	1,368.21	7	1,012.31	7	654.23	7	293.56	7		7		7			
1/4	2,071.65	1/4	1,716.19	1/4	1,360.79	1/4	1,004.90	1/4	646.73	1/4	286.04	1/4		1/4		1/4			
1/2	2,064.13	1/2	1,708.83	1/2	1,353.37	1/2	997.49	1/2	639.23	1/2	278.53	1/2		1/2		1/2			
3/4	2,056.61	3/4	1,701.47	3/4	1,345.95	3/4	990.09	3/4	631.72	3/4	271.01	3/4		3/4		3/4			
8	2,049.10	8	1,694.10	8	1,338.53	8	982.68	8	624.22	8	263.49	8		8		8			
1/4	2,041.58	1/4	1,686.74	1/4	1,331.11	1/4	975.27	1/4	616.72	1/4	255.97	1/4		1/4		1/4			
1/2	2,034.06	1/2	1,679.37	1/2	1,323.69	1/2	967.87	1/2	609.22	1/2	248.46	1/2		1/2		1/2			
3/4	2,026.55	3/4	1,672.01	3/4	1,316.27	3/4	960.46	3/4	601.71	3/4	240.94	3/4		3/4		3/4			
9	2,019.03	9	1,664.65	9	1,308.85	9	953.05	9	594.21	9	233.43	9		9		9			
1/4	2,011.52	1/4	1,657.28	1/4	1,301.43	1/4	945.65	1/4	586.71	1/4	225.91	1/4		1/4		1/4			
1/2	2,004.00	1/2	1,649.92	1/2	1,294.01	1/2	938.24	1/2	579.20	1/2	218.40	1/2		1/2		1/2			
3/4	1,996.48	3/4	1,642.55	3/4	1,286.59	3/4	930.83	3/4	571.69	3/4	210.88	3/4		3/4		3/4			
10	1,988.97	10	1,635.19	10	1,279.17	10	923.42	10	564.17	10	203.37	10		10		10			
1/4	1,981.45	1/4	1,627.83	1/4	1,271.75	1/4	916.02	1/4	556.65	1/4	195.86	1/4		1/4		1/4			
1/2	1,973.93	1/2	1,620.46	1/2	1,264.33	1/2	908.61	1/2	549.13	1/2	188.34	1/2		1/2		1/2			
3/4	1,966.57	3/4	1,613.04	3/4	1,256.92	3/4	901.19	3/4	541.62	3/4	180.82	3/4		3/4		3/4			
11	1,959.21	11	1,605.62	11	1,249.50	11	893.77	11	534.10	11	173.31	11		11		11			
1/4	1,951.84	1/4	1,598.20	1/4	1,242.08	1/4	886.35	1/4	526.58	1/4	165.79	1/4		1/4		1/4			
1/2	1,944.48	1/2	1,590.78	1/2	1,234.66	1/2	878.93	1/2	519.06	1/2	158.27	1/2		1/2		1/2			
3/4	1,937.11	3/4	1,583.36	3/4	1,227.24	3/4	871.52	3/4	511.55	3/4	150.75	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2016 SW
CALCULATED: 06/28/2016 CL
PRINTED: 06/30/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2016

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



BARGE "EMS 500"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-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	110	0	280	0	449	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1	1/4	113	1/4	284	1/4	452	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1	1/2	116	1/2	287	1/2	455	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2	3/4	119	3/4	291	3/4	458	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3	1	123	1	295	1	462	1	1	1	1	1	1	1	1	1	1	1	1
1/4	4	1/4	126	1/4	298	1/4	465	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5	1/2	129	1/2	302	1/2	468	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	7	3/4	133	3/4	306	3/4	471	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	8	2	136	2	309	2	474	2	2	2	2	2	2	2	2	2	2	2	2
1/4	10	1/4	139	1/4	313	1/4	477	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	11	1/2	143	1/2	317	1/2	479	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	13	3/4	146	3/4	320	3/4	482	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	15	3	150	3	324	3	485	3	3	3	3	3	3	3	3	3	3	3	3
1/4	17	1/4	153	1/4	328	1/4	488	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	18	1/2	157	1/2	331	1/2	491	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	20	3/4	160	3/4	335	3/4	494	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	22	4	163	4	339	4	496	4	4	4	4	4	4	4	4	4	4	4	4
1/4	24	1/4	167	1/4	342	1/4	499	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	27	1/2	171	1/2	346	1/2	502	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	29	3/4	174	3/4	350	3/4	504	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	31	5	178	5	353	5	507	5	5	5	5	5	5	5	5	5	5	5	5
1/4	33	1/4	181	1/4	357	1/4	509	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	36	1/2	185	1/2	360	1/2	512	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38	3/4	188	3/4	364	3/4	514	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	40	6	192	6	368	6	517	6	6	6	6	6	6	6	6	6	6	6	6
1/4	43	1/4	195	1/4	371	1/4	519	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46	1/2	199	1/2	375	1/2	521	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48	3/4	203	3/4	378	3/4	524	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	51	7	206	7	382	7	526	7	7	7	7	7	7	7	7	7	7	7	7
1/4	53	1/4	210	1/4	385	1/4	528	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56	1/2	214	1/2	389	1/2	530	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59	3/4	217	3/4	392	3/4	532	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	61	8	221	8	396	8	534	8	8	8	8	8	8	8	8	8	8	8	8
1/4	64	1/4	225	1/4	399	1/4	536	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67	1/2	228	1/2	403	1/2	538	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70	3/4	232	3/4	406	3/4	539	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	73	9	236	9	410	9	541	9	9	9	9	9	9	9	9	9	9	9	9
1/4	76	1/4	239	1/4	413	1/4	543	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79	1/2	243	1/2	416	1/2	544	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82	3/4	247	3/4	420	3/4	546	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	85	10	250	10	423	10	547	10	10	10	10	10	10	10	10	10	10	10	10
1/4	88	1/4	254	1/4	426	1/4	548	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91	1/2	258	1/2	430	1/2	549	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94	3/4	261	3/4	433	3/4	550	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	97	11	265	11	436	11	551	11	11	11	11	11	11	11	11	11	11	11	11
1/4	100	1/4	269	1/4	439	1/4	552	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	103	1/2	272	1/2	443	1/2	552	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106	3/4	276	3/4	446	3/4	552	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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.
GAUGE POINT: TOP LIP OF 8" HATCH OPPOSITE HINGE.

STRAPPED: 06/27/2016 SW
CALCULATED: 06/28/2016 CL
PRINTED: 06/28/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "EMS 500"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 3'-00"

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	1,091	0	2,182	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	23	1/4	1,114	1/4	2,205	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45	1/2	1,137	1/2	2,228	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68	3/4	1,159	3/4	2,250	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	91	1	1,182	1	2,273	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	114	1/4	1,205	1/4	2,296	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	136	1/2	1,228	1/2	2,319	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159	3/4	1,250	3/4	2,341	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	182	2	1,273	2	2,364	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	205	1/4	1,296	1/4	2,387	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	227	1/2	1,318	1/2	2,410	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	250	3/4	1,341	3/4	2,432	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	273	3	1,364	3	2,455	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	296	1/4	1,387	1/4	2,478	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	318	1/2	1,409	1/2	2,500	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	341	3/4	1,432	3/4	2,523	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	364	4	1,455	4	2,546	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	386	1/4	1,478	1/4	2,569	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	409	1/2	1,500	1/2	2,591	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	432	3/4	1,523	3/4	2,614	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	455	5	1,546	5	2,637	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	477	1/4	1,568	1/4	2,660	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	500	1/2	1,591	1/2	2,682	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	523	3/4	1,614	3/4	2,705	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	546	6	1,637	6	2,728	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	568	1/4	1,659	1/4	2,751	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	591	1/2	1,682	1/2	2,773	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	614	3/4	1,705	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	636	7	1,728	7		7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	659	1/4	1,750	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	682	1/2	1,773	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	705	3/4	1,796	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	727	8	1,819	8		8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	750	1/4	1,841	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	773	1/2	1,864	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	796	3/4	1,887	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	818	9	1,909	9		9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	841	1/4	1,932	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	864	1/2	1,955	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	887	3/4	1,978	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	909	10	2,000	10		10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	932	1/4	2,023	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	955	1/2	2,046	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	977	3/4	2,069	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,000	11	2,091	11		11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1,023	1/4	2,114	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,046	1/2	2,137	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,068	3/4	2,160	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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.
GAUGE POINT: TOP LIP OF MANWAY OPPOSITE HINGE.

STRAPPED: 06/27/2016 SW
CALCULATED: 06/28/2016 CL
PRINTED: 06/28/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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