



Barge EMS 3045  
Enterprise Marine  
Services LLC  
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	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-5/8	01-5/8	- 01-7/8	01-7/8
1 STBD	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-5/8	01-5/8	- 01-7/8	01-7/8
2 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
2 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
3 PORT	- 00-1/2	00-1/2	- 00-7/8	00-7/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-5/8	02-5/8
3 STBD	- 00-1/2	00-1/2	- 00-7/8	00-7/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-5/8	02-5/8

(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 00-5/8"  
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 5/8"

LENGTH BETWEEN DRAFT MARKS: 236'-06"

June 29, 2010

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

<http://www.pmacorp.net>



Barge EMS 3045  
Enterprise Marine  
Services LLC

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	14.20	0	252.31	0	529.34	0	826.14	0	1,142.53	0	1,473.15	0	1,804.34	0	2,134.09	0	2,463.89	0	2,793.42
1/4	16.81	1/4	257.51	1/4	535.33	1/4	832.54	1/4	1,149.34	1/4	1,480.04	1/4	1,811.15	1/4	2,140.99	1/4	2,470.76	1/4	2,800.28
1/2	19.41	1/2	263.51	1/2	541.32	1/2	838.95	1/2	1,156.16	1/2	1,486.94	1/2	1,817.96	1/2	2,147.89	1/2	2,477.62	1/2	2,807.15
3/4	22.02	3/4	269.11	3/4	547.30	3/4	845.36	3/4	1,162.97	3/4	1,493.84	3/4	1,824.79	3/4	2,154.79	3/4	2,484.49	3/4	2,814.01
1	24.62	1	274.70	1	553.29	1	851.77	1	1,169.78	1	1,500.74	1	1,831.58	1	2,161.69	1	2,491.35	1	2,820.88
1 1/4	28.99	1 1/4	280.33	1 1/4	559.31	1 1/4	858.21	1 1/4	1,176.53	1 1/4	1,507.64	1 1/4	1,838.39	1 1/4	2,169.59	1 1/4	2,499.92	1 1/4	2,827.78
1 1/2	33.35	1 1/2	285.96	1 1/2	565.33	1 1/2	864.65	1 1/2	1,183.47	1 1/2	1,514.54	1 1/2	1,845.20	1 1/2	2,175.49	1 1/2	2,505.08	1 1/2	2,834.68
2	37.72	2	291.60	2	571.35	2	871.09	2	1,190.31	2	1,521.44	2	1,852.01	2	2,182.39	2	2,511.95	2	2,841.58
2 1/4	42.08	2 1/4	297.23	2 1/4	577.37	2 1/4	877.53	2 1/4	1,197.15	2 1/4	1,528.34	2 1/4	1,858.82	2 1/4	2,189.29	2 1/4	2,518.81	2 1/4	2,848.48
2 1/2	47.34	2 1/2	302.89	2 1/2	583.43	2 1/2	884.00	2 1/2	1,204.05	2 1/2	1,535.24	2 1/2	1,865.64	2 1/2	2,196.15	2 1/2	2,525.68	2 1/2	2,855.37
3	52.60	3	308.55	3	589.49	3	890.47	3	1,210.95	3	1,542.14	3	1,872.45	3	2,203.02	3	2,532.54	3	2,862.27
3 1/4	57.86	3 1/4	314.22	3 1/4	595.55	3 1/4	896.94	3 1/4	1,217.85	3 1/4	1,549.04	3 1/4	1,879.26	3 1/4	2,209.88	3 1/4	2,539.41	3 1/4	2,869.17
3 1/2	63.12	3 1/2	319.88	3 1/2	601.60	3 1/2	903.41	3 1/2	1,224.75	3 1/2	1,555.94	3 1/2	1,886.07	3 1/2	2,216.75	3 1/2	2,546.27	3 1/2	2,876.07
4	68.41	4	325.58	4	607.70	4	909.90	4	1,231.65	4	1,562.84	4	1,892.88	4	2,223.61	4	2,553.14	4	2,882.97
4 1/4	73.70	4 1/4	331.27	4 1/4	613.80	4 1/4	916.40	4 1/4	1,238.55	4 1/4	1,569.74	4 1/4	1,899.69	4 1/4	2,230.48	4 1/4	2,560.00	4 1/4	2,889.87
4 1/2	78.99	4 1/2	336.96	4 1/2	619.89	4 1/2	922.90	4 1/2	1,245.45	4 1/2	1,576.64	4 1/2	1,906.50	4 1/2	2,237.34	4 1/2	2,566.87	4 1/2	2,896.77
5	84.28	5	342.66	5	625.99	5	929.40	5	1,252.35	5	1,583.54	5	1,913.31	5	2,244.21	5	2,573.73	5	2,903.67
5 1/4	89.41	5 1/4	348.38	5 1/4	632.13	5 1/4	935.94	5 1/4	1,259.25	5 1/4	1,590.44	5 1/4	1,920.21	5 1/4	2,251.07	5 1/4	2,580.60	5 1/4	2,910.57
5 1/2	94.54	5 1/2	354.10	5 1/2	638.27	5 1/2	942.48	5 1/2	1,266.15	5 1/2	1,597.34	5 1/2	1,927.11	5 1/2	2,257.94	5 1/2	2,587.46	5 1/2	2,917.47
6	99.67	6	359.82	6	644.41	6	948.03	6	1,273.05	6	1,604.24	6	1,934.01	6	2,264.81	6	2,594.81	6	2,924.37
6 1/4	104.80	6 1/4	365.54	6 1/4	650.54	6 1/4	955.57	6 1/4	1,279.95	6 1/4	1,611.14	6 1/4	1,940.91	6 1/4	2,271.67	6 1/4	2,601.20	6 1/4	2,931.27
6 1/2	109.96	6 1/2	371.30	6 1/2	656.72	6 1/2	962.15	6 1/2	1,286.85	6 1/2	1,618.04	6 1/2	1,947.81	6 1/2	2,278.54	6 1/2	2,608.06	6 1/2	2,938.17
7	115.11	7	377.06	7	662.89	7	968.73	7	1,293.75	7	1,624.94	7	1,954.71	7	2,285.40	7	2,614.93	7	2,945.07
7 1/4	120.27	7 1/4	382.82	7 1/4	669.06	7 1/4	975.31	7 1/4	1,300.65	7 1/4	1,631.84	7 1/4	1,961.61	7 1/4	2,292.27	7 1/4	2,621.79	7 1/4	2,951.96
7 1/2	125.43	7 1/2	388.58	7 1/2	675.23	7 1/2	981.88	7 1/2	1,307.55	7 1/2	1,638.74	7 1/2	1,968.51	7 1/2	2,299.13	7 1/2	2,628.62	7 1/2	2,958.86
8	130.64	8	394.36	8	681.44	8	988.49	8	1,314.45	8	1,645.64	8	1,975.41	8	2,306.00	8	2,635.52	8	2,965.76
8 1/4	135.84	8 1/4	400.15	8 1/4	687.65	8 1/4	995.10	8 1/4	1,321.35	8 1/4	1,652.54	8 1/4	1,982.31	8 1/4	2,312.86	8 1/4	2,642.39	8 1/4	2,972.66
8 1/2	141.05	8 1/2	405.93	8 1/2	693.85	8 1/2	1,001.71	8 1/2	1,328.25	8 1/2	1,659.44	8 1/2	1,989.21	8 1/2	2,319.73	8 1/2	2,649.25	8 1/2	2,979.56
9	146.25	9	411.72	9	700.06	9	1,008.33	9	1,335.15	9	1,666.34	9	1,996.11	9	2,326.59	9	2,656.12	9	2,986.46
9 1/4	151.49	9 1/4	417.53	9 1/4	706.30	9 1/4	1,014.97	9 1/4	1,342.05	9 1/4	1,673.24	9 1/4	2,003.01	9 1/4	2,333.46	9 1/4	2,662.98	9 1/4	2,993.36
9 1/2	156.73	9 1/2	423.35	9 1/2	712.53	9 1/2	1,021.61	9 1/2	1,348.95	9 1/2	1,680.14	9 1/2	2,009.90	9 1/2	2,340.32	9 1/2	2,669.85	9 1/2	3,000.26
10	161.96	10	429.17	10	718.77	10	1,028.25	10	1,355.85	10	1,687.04	10	2,016.80	10	2,347.19	10	2,676.71	10	3,007.16
10 1/4	167.20	10 1/4	434.99	10 1/4	725.01	10 1/4	1,034.89	10 1/4	1,362.75	10 1/4	1,693.94	10 1/4	2,023.70	10 1/4	2,354.05	10 1/4	2,683.58	10 1/4	3,014.06
10 1/2	172.47	10 1/2	440.84	10 1/2	731.28	10 1/2	1,041.56	10 1/2	1,369.65	10 1/2	1,700.84	10 1/2	2,030.60	10 1/2	2,360.92	10 1/2	2,690.44	10 1/2	3,020.96
11	177.74	11	446.69	11	737.55	11	1,048.23	11	1,376.55	11	1,707.74	11	2,037.50	11	2,367.78	11	2,697.31	11	3,027.86
11 1/4	183.01	11 1/4	452.53	11 1/4	743.81	11 1/4	1,054.90	11 1/4	1,383.45	11 1/4	1,714.64	11 1/4	2,044.40	11 1/4	2,374.65	11 1/4	2,704.17	11 1/4	3,034.76
11 1/2	188.29	11 1/2	458.38	11 1/2	750.08	11 1/2	1,061.57	11 1/2	1,390.35	11 1/2	1,721.54	11 1/2	2,051.30	11 1/2	2,381.51	11 1/2	2,711.04	11 1/2	3,041.66
12	193.59	12	464.26	12	756.38	12	1,068.28	12	1,397.25	12	1,728.44	12	2,058.20	12	2,388.38	12	2,717.90	12	3,048.56
12 1/4	198.89	12 1/4	470.14	12 1/4	762.68	12 1/4	1,075.00	12 1/4	1,404.15	12 1/4	1,735.34	12 1/4	2,065.10	12 1/4	2,395.24	12 1/4	2,724.77	12 1/4	3,055.45
12 1/2	204.19	12 1/2	476.02	12 1/2	768.97	12 1/2	1,081.71	12 1/2	1,411.05	12 1/2	1,742.24	12 1/2	2,072.00	12 1/2	2,402.11	12 1/2	2,731.63	12 1/2	3,062.35
13	209.49	13	481.90	13	775.27	13	1,088.43	13	1,417.95	13	1,749.14	13	2,078.90	13	2,408.97	13	2,738.50	13	3,069.25
13 1/4	214.82	13 1/4	487.80	13 1/4	781.51	13 1/4	1,095.17	13 1/4	1,424.85	13 1/4	1,756.04	13 1/4	2,085.80	13 1/4	2,415.84	13 1/4	2,745.36	13 1/4	3,076.14
13 1/2	220.15	13 1/2	493.71	13 1/2	787.95	13 1/2	1,101.92	13 1/2	1,431.75	13 1/2	1,762.94	13 1/2	2,092.70	13 1/2	2,422.70	13 1/2	2,752.23	13 1/2	3,083.02
14	225.48	14	499.62	14	794.30	14	1,108.67	14	1,438.65	14	1,769.84	14	2,099.60	14	2,429.57	14	2,759.08	14	3,089.90
14 1/4	230.81	14 1/4	505.53	14 1/4	800.64	14 1/4	1,115.41	14 1/4	1,445.55	14 1/4	1,776.74	14 1/4	2,106.50	14 1/4	2,436.43	14 1/4	2,765.96	14 1/4	3,096.79
14 1/2	236.19	14 1/2	511.48	14 1/2	807.01	14 1/2	1,122.19	14 1/2	1,452.45	14 1/2	1,783.64	14 1/2	2,113.40	14 1/2	2,443.30	14 1/2	2,772.82	14 1/2	3,103.64
15	241.56	15	517.43	15	813.39	15	1,128.97	15	1,459.35	15	1,790.54	15	2,120.30	15	2,450.16	15	2,779.69	15	3,110.49
15 1/4	246.94	15 1/4	523.39	15 1/4	819.76	15 1/4	1,135.75	15 1/4	1,466.25	15 1/4	1,797.44	15 1/4	2,127.19	15 1/4	2,457.03	15 1/4	2,786.55	15 1/4	3,117.34

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NIPMS 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" DIAMETER STANDPIPE.  
GAUGE POINT: (MANUAL) LOCATED 12'-04" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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

*Paul J. MacCormack*



Barge EMS 3045  
Enterprise Marine  
Services LLC

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	3,124.19	0	3,442.10	0	3,739.76	0	4,017.01	0		0		0		0		0		0	
1/4	3,131.00	1/4	3,448.49	1/4	3,745.74	1/4	4,022.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,137.82	1/2	3,454.88	1/2	3,751.71	1/2	4,028.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,144.63	3/4	3,461.27	3/4	3,757.68	3/4	4,033.53	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,151.44	1	3,467.66	1	3,763.65	1	4,039.04	1		1		1		1		1		1	
1 1/4	3,158.22	1 1/4	3,474.02	1 1/4	3,769.59	1 1/4	4,044.51	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,165.00	1 1/2	3,480.38	1 1/2	3,775.53	1 1/2	4,049.99	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	3,171.78	1 3/4	3,486.74	1 3/4	3,781.47	1 3/4	4,055.47	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
2	3,178.56	2	3,493.10	2	3,787.41	2	4,060.95	2		2		2		2		2		2	
2 1/4	3,185.31	2 1/4	3,499.42	2 1/4	3,793.31	2 1/4	4,066.38	2 1/4		2 1/4		2 1/4		2 1/4		2 1/4		2 1/4	
2 1/2	3,192.06	2 1/2	3,505.74	2 1/2	3,799.21	2 1/2	4,071.82	2 1/2		2 1/2		2 1/2		2 1/2		2 1/2		2 1/2	
2 3/4	3,198.82	2 3/4	3,512.07	2 3/4	3,805.11	2 3/4	4,077.26	2 3/4		2 3/4		2 3/4		2 3/4		2 3/4		2 3/4	
3	3,205.57	3	3,518.39	3	3,811.01	3	4,082.69	3		3		3		3		3		3	
3 1/4	3,212.28	3 1/4	3,524.67	3 1/4	3,816.88	3 1/4	4,088.09	3 1/4		3 1/4		3 1/4		3 1/4		3 1/4		3 1/4	
3 1/2	3,218.99	3 1/2	3,530.96	3 1/2	3,822.75	3 1/2	4,093.50	3 1/2		3 1/2		3 1/2		3 1/2		3 1/2		3 1/2	
3 3/4	3,225.69	3 3/4	3,537.25	3 3/4	3,828.62	3 3/4	4,098.90	3 3/4		3 3/4		3 3/4		3 3/4		3 3/4		3 3/4	
4	3,232.40	4	3,543.54	4	3,834.49	4	4,104.31	4		4		4		4		4		4	
4 1/4	3,239.08	4 1/4	3,549.80	4 1/4	3,840.32	4 1/4	4,111.16	4 1/4		4 1/4		4 1/4		4 1/4		4 1/4		4 1/4	
4 1/2	3,245.76	4 1/2	3,556.06	4 1/2	3,846.15	4 1/2	4,118.02	4 1/2		4 1/2		4 1/2		4 1/2		4 1/2		4 1/2	
4 3/4	3,252.44	4 3/4	3,562.32	4 3/4	3,851.97	4 3/4	4,124.87	4 3/4		4 3/4		4 3/4		4 3/4		4 3/4		4 3/4	
5	3,259.12	5	3,568.58	5	3,857.80	5	4,131.73	5		5		5		5		5		5	
5 1/4	3,265.75	5 1/4	3,574.80	5 1/4	3,863.60	5 1/4	4,138.58	5 1/4		5 1/4		5 1/4		5 1/4		5 1/4		5 1/4	
5 1/2	3,272.39	5 1/2	3,581.02	5 1/2	3,869.40	5 1/2	4,145.44	5 1/2		5 1/2		5 1/2		5 1/2		5 1/2		5 1/2	
5 3/4	3,279.03	5 3/4	3,587.23	5 3/4	3,875.19	5 3/4	4,152.29	5 3/4		5 3/4		5 3/4		5 3/4		5 3/4		5 3/4	
6	3,285.67	6	3,593.45	6	3,880.99	6	4,159.15	6		6		6		6		6		6	
6 1/4	3,292.27	6 1/4	3,599.64	6 1/4	3,886.76	6 1/4	4,166.00	6 1/4		6 1/4		6 1/4		6 1/4		6 1/4		6 1/4	
6 1/2	3,298.88	6 1/2	3,605.82	6 1/2	3,892.53	6 1/2	4,172.86	6 1/2		6 1/2		6 1/2		6 1/2		6 1/2		6 1/2	
6 3/4	3,305.48	6 3/4	3,612.01	6 3/4	3,898.30	6 3/4	4,179.71	6 3/4		6 3/4		6 3/4		6 3/4		6 3/4		6 3/4	
7	3,312.09	7	3,618.20	7	3,904.07	7	4,186.57	7		7		7		7		7		7	
7 1/4	3,318.65	7 1/4	3,624.34	7 1/4	3,909.79	7 1/4	4,193.42	7 1/4		7 1/4		7 1/4		7 1/4		7 1/4		7 1/4	
7 1/2	3,325.22	7 1/2	3,630.49	7 1/2	3,915.52	7 1/2	4,200.27	7 1/2		7 1/2		7 1/2		7 1/2		7 1/2		7 1/2	
7 3/4	3,331.79	7 3/4	3,636.63	7 3/4	3,921.24	7 3/4	4,207.13	7 3/4		7 3/4		7 3/4		7 3/4		7 3/4		7 3/4	
8	3,338.35	8	3,642.78	8	3,926.97	8	4,213.98	8		8		8		8		8		8	
8 1/4	3,344.89	8 1/4	3,648.89	8 1/4	3,932.66	8 1/4	4,220.84	8 1/4		8 1/4		8 1/4		8 1/4		8 1/4		8 1/4	
8 1/2	3,351.42	8 1/2	3,655.01	8 1/2	3,938.36	8 1/2	4,227.69	8 1/2		8 1/2		8 1/2		8 1/2		8 1/2		8 1/2	
8 3/4	3,357.96	8 3/4	3,661.12	8 3/4	3,944.05	8 3/4	4,234.55	8 3/4		8 3/4		8 3/4		8 3/4		8 3/4		8 3/4	
9	3,364.49	9	3,667.24	9	3,949.75	9	4,241.40	9		9		9		9		9		9	
9 1/4	3,371.00	9 1/4	3,673.31	9 1/4	3,955.40	9 1/4	4,248.26	9 1/4		9 1/4		9 1/4		9 1/4		9 1/4		9 1/4	
9 1/2	3,377.50	9 1/2	3,679.39	9 1/2	3,961.06	9 1/2	4,255.11	9 1/2		9 1/2		9 1/2		9 1/2		9 1/2		9 1/2	
9 3/4	3,384.01	9 3/4	3,685.46	9 3/4	3,966.71	9 3/4	4,261.97	9 3/4		9 3/4		9 3/4		9 3/4		9 3/4		9 3/4	
10	3,390.52	10	3,691.54	10	3,972.37	10	4,268.82	10		10		10		10		10		10	
10 1/4	3,396.98	10 1/4	3,697.58	10 1/4	3,977.99	10 1/4	4,273.95	10 1/4		10 1/4		10 1/4		10 1/4		10 1/4		10 1/4	
10 1/2	3,403.44	10 1/2	3,703.62	10 1/2	3,983.61	10 1/2	4,279.08	10 1/2		10 1/2		10 1/2		10 1/2		10 1/2		10 1/2	
10 3/4	3,409.90	10 3/4	3,709.66	10 3/4	3,989.23	10 3/4	4,284.21	10 3/4		10 3/4		10 3/4		10 3/4		10 3/4		10 3/4	
11	3,416.37	11	3,715.71	11	3,994.86	11	4,289.35	11		11		11		11		11		11	
11 1/4	3,422.80	11 1/4	3,721.72	11 1/4	4,000.39	11 1/4		11 1/4		11 1/4		11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	3,429.23	11 1/2	3,727.74	11 1/2	4,005.93	11 1/2		11 1/2		11 1/2		11 1/2		11 1/2		11 1/2		11 1/2	
11 3/4	3,435.67	11 3/4	3,733.75	11 3/4	4,011.47	11 3/4		11 3/4		11 3/4		11 3/4		11 3/4		11 3/4		11 3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/29/2010 CL - SW  
CALCULATED: 06/29/2010 CL  
PRINTED: 06/29/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2010

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



Barge EMS 3045  
Enterprise Marine  
Services LLC

1 STBD  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11"

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	14.19	0	252.06	0	528.07	0	824.20	0	1,140.31	0	1,470.61	0	1,801.50	0	2,130.96	0	2,460.46	0	2,789.68
1/4	16.79	1/4	257.65	1/4	534.03	1/4	830.61	1/4	1,147.11	1/4	1,477.51	1/4	1,808.30	1/4	2,137.85	1/4	2,467.32	1/4	2,796.54
1/2	19.39	1/2	263.24	1/2	539.98	1/2	837.01	1/2	1,153.92	1/2	1,484.40	1/2	1,815.11	1/2	2,144.75	1/2	2,474.17	1/2	2,803.40
3/4	21.99	3/4	268.84	3/4	545.94	3/4	843.41	3/4	1,160.73	3/4	1,491.29	3/4	1,821.91	3/4	2,151.64	3/4	2,481.03	3/4	2,810.26
1	24.60	1	274.43	1	551.90	1	849.81	1	1,167.53	1	1,498.98	1	1,829.72	1	2,158.53	1	2,487.89	1	2,817.11
1 1/4	28.96	1 1/4	280.05	1 1/4	557.89	1 1/4	856.25	1 1/4	1,174.37	1 1/4	1,505.08	1 1/4	1,835.52	1 1/4	2,165.43	1 1/4	2,494.75	1 1/4	2,824.01
1 1/2	33.32	1 1/2	285.68	1 1/2	563.88	1 1/2	862.68	1 1/2	1,181.97	1 1/2	1,511.97	1 1/2	1,842.33	1 1/2	2,172.32	1 1/2	2,501.61	1 1/2	2,830.90
1 3/4	37.68	1 3/4	291.31	1 3/4	569.87	1 3/4	869.12	1 3/4	1,188.04	1 3/4	1,518.87	1 3/4	1,849.13	1 3/4	2,179.21	1 3/4	2,508.47	1 3/4	2,837.79
2	42.04	2	296.93	2	575.86	2	875.35	2	1,194.88	2	1,525.76	2	1,855.94	2	2,186.10	2	2,515.33	2	2,844.69
2 1/4	47.29	2 1/4	302.59	2 1/4	581.89	2 1/4	882.01	2 1/4	1,201.77	2 1/4	1,532.65	2 1/4	1,862.74	2 1/4	2,192.96	2 1/4	2,522.19	2 1/4	2,851.58
2 1/2	52.54	2 1/2	308.25	2 1/2	587.92	2 1/2	888.48	2 1/2	1,208.66	2 1/2	1,539.55	2 1/2	1,869.55	2 1/2	2,199.82	2 1/2	2,529.04	2 1/2	2,858.47
2 3/4	57.80	2 3/4	313.91	2 3/4	593.95	2 3/4	894.94	2 3/4	1,215.56	2 3/4	1,546.44	2 3/4	1,876.35	2 3/4	2,206.68	2 3/4	2,535.90	2 3/4	2,865.36
3	63.05	3	319.56	3	599.98	3	901.40	3	1,222.45	3	1,553.33	3	1,883.16	3	2,213.54	3	2,542.76	3	2,872.26
3 1/4	68.34	3 1/4	325.25	3 1/4	606.05	3 1/4	907.89	3 1/4	1,229.34	3 1/4	1,560.23	3 1/4	1,890.96	3 1/4	2,220.40	3 1/4	2,549.62	3 1/4	2,879.15
3 1/2	73.62	3 1/2	330.94	3 1/2	612.11	3 1/2	914.38	3 1/2	1,236.24	3 1/2	1,567.12	3 1/2	1,896.77	3 1/2	2,227.26	3 1/2	2,556.48	3 1/2	2,886.04
3 3/4	78.91	3 3/4	336.63	3 3/4	618.18	3 3/4	920.88	3 3/4	1,243.13	3 3/4	1,574.01	3 3/4	1,903.58	3 3/4	2,234.12	3 3/4	2,563.34	3 3/4	2,892.94
4	84.20	4	342.32	4	624.24	4	927.37	4	1,250.92	4	1,580.91	4	1,910.38	4	2,240.98	4	2,570.20	4	2,899.83
4 1/4	89.32	4 1/4	348.01	4 1/4	630.38	4 1/4	933.91	4 1/4	1,256.92	4 1/4	1,587.80	4 1/4	1,917.27	4 1/4	2,247.83	4 1/4	2,577.06	4 1/4	2,906.72
4 1/2	94.44	4 1/2	353.70	4 1/2	636.51	4 1/2	940.44	4 1/2	1,263.81	4 1/2	1,594.69	4 1/2	1,924.17	4 1/2	2,254.69	4 1/2	2,583.92	4 1/2	2,913.62
4 3/4	99.57	4 3/4	359.39	4 3/4	642.64	4 3/4	946.98	4 3/4	1,270.70	4 3/4	1,601.59	4 3/4	1,931.06	4 3/4	2,261.55	4 3/4	2,590.77	4 3/4	2,920.51
5	104.69	5	365.09	5	648.78	5	953.92	5	1,277.60	5	1,608.48	5	1,937.95	5	2,268.41	5	2,597.63	5	2,927.40
5 1/4	109.85	5 1/4	370.82	5 1/4	654.95	5 1/4	960.09	5 1/4	1,284.49	5 1/4	1,615.37	5 1/4	1,944.85	5 1/4	2,275.27	5 1/4	2,604.49	5 1/4	2,934.29
5 1/2	115.00	5 1/2	376.55	5 1/2	661.11	5 1/2	966.66	5 1/2	1,291.38	5 1/2	1,622.27	5 1/2	1,951.74	5 1/2	2,282.13	5 1/2	2,611.35	5 1/2	2,941.19
5 3/4	120.15	5 3/4	382.28	5 3/4	667.28	5 3/4	973.23	5 3/4	1,298.28	5 3/4	1,629.16	5 3/4	1,958.63	5 3/4	2,288.99	5 3/4	2,618.21	5 3/4	2,948.08
6	125.31	6	388.00	6	673.44	6	978.41	6	1,305.17	6	1,636.05	6	1,965.53	6	2,295.85	6	2,625.07	6	2,954.97
6 1/4	130.51	6 1/4	393.76	6 1/4	679.64	6 1/4	986.41	6 1/4	1,312.06	6 1/4	1,642.95	6 1/4	1,972.42	6 1/4	2,302.70	6 1/4	2,631.93	6 1/4	2,961.87
6 1/2	135.70	6 1/2	399.52	6 1/2	685.84	6 1/2	993.01	6 1/2	1,318.96	6 1/2	1,649.84	6 1/2	1,979.31	6 1/2	2,309.56	6 1/2	2,638.79	6 1/2	2,968.76
6 3/4	140.90	6 3/4	405.27	6 3/4	692.04	6 3/4	999.62	6 3/4	1,325.85	6 3/4	1,656.73	6 3/4	1,986.20	6 3/4	2,316.42	6 3/4	2,645.64	6 3/4	2,975.65
7	146.10	7	411.03	7	698.24	7	1,006.22	7	1,332.74	7	1,663.63	7	1,993.10	7	2,323.28	7	2,652.50	7	2,982.54
7 1/4	151.34	7 1/4	416.82	7 1/4	704.48	7 1/4	1,012.86	7 1/4	1,339.64	7 1/4	1,670.52	7 1/4	1,999.99	7 1/4	2,330.14	7 1/4	2,659.36	7 1/4	2,989.44
7 1/2	156.57	7 1/2	422.60	7 1/2	710.71	7 1/2	1,019.49	7 1/2	1,346.53	7 1/2	1,677.41	7 1/2	2,006.88	7 1/2	2,337.00	7 1/2	2,666.22	7 1/2	2,996.33
7 3/4	161.80	7 3/4	428.39	7 3/4	716.94	7 3/4	1,026.13	7 3/4	1,353.43	7 3/4	1,684.31	7 3/4	2,013.78	7 3/4	2,343.86	7 3/4	2,673.08	7 3/4	3,003.22
8	167.03	8	434.18	8	723.17	8	1,032.76	8	1,360.32	8	1,691.20	8	2,020.67	8	2,350.72	8	2,679.94	8	3,010.12
8 1/4	172.30	8 1/4	440.00	8 1/4	729.44	8 1/4	1,039.43	8 1/4	1,367.21	8 1/4	1,698.10	8 1/4	2,027.56	8 1/4	2,357.57	8 1/4	2,686.80	8 1/4	3,017.01
8 1/2	177.57	8 1/2	445.82	8 1/2	735.70	8 1/2	1,046.09	8 1/2	1,374.11	8 1/2	1,704.99	8 1/2	2,034.46	8 1/2	2,364.43	8 1/2	2,693.66	8 1/2	3,023.90
8 3/4	182.83	8 3/4	451.64	8 3/4	741.96	8 3/4	1,052.76	8 3/4	1,381.00	8 3/4	1,711.88	8 3/4	2,041.35	8 3/4	2,371.29	8 3/4	2,700.51	8 3/4	3,030.79
9	188.10	9	457.46	9	748.22	9	1,059.42	9	1,387.89	9	1,718.78	9	2,048.24	9	2,378.15	9	2,707.37	9	3,037.69
9 1/4	193.39	9 1/4	463.31	9 1/4	754.51	9 1/4	1,066.13	9 1/4	1,394.79	9 1/4	1,725.67	9 1/4	2,055.14	9 1/4	2,385.01	9 1/4	2,714.23	9 1/4	3,044.58
9 1/2	198.68	9 1/2	469.16	9 1/2	760.80	9 1/2	1,072.83	9 1/2	1,401.68	9 1/2	1,732.56	9 1/2	2,062.03	9 1/2	2,391.87	9 1/2	2,721.09	9 1/2	3,051.47
9 3/4	203.99	9 3/4	475.01	9 3/4	767.09	9 3/4	1,079.54	9 3/4	1,408.57	9 3/4	1,739.46	9 3/4	2,068.92	9 3/4	2,398.73	9 3/4	2,727.95	9 3/4	3,058.37
10	209.28	10	480.86	10	773.39	10	1,086.25	10	1,415.47	10	1,746.35	10	2,075.82	10	2,405.59	10	2,734.81	10	3,065.26
10 1/4	214.61	10 1/4	486.73	10 1/4	779.72	10 1/4	1,092.99	10 1/4	1,422.36	10 1/4	1,753.24	10 1/4	2,082.71	10 1/4	2,412.45	10 1/4	2,741.67	10 1/4	3,072.14
10 1/2	219.93	10 1/2	492.61	10 1/2	786.06	10 1/2	1,099.73	10 1/2	1,429.25	10 1/2	1,760.14	10 1/2	2,089.60	10 1/2	2,419.30	10 1/2	2,748.53	10 1/2	3,079.01
10 3/4	225.26	10 3/4	498.49	10 3/4	792.39	10 3/4	1,106.47	10 3/4	1,436.15	10 3/4	1,767.03	10 3/4	2,096.49	10 3/4	2,426.16	10 3/4	2,755.39	10 3/4	3,085.89
11	230.58	11	504.37	11	798.73	11	1,113.21	11	1,443.04	11	1,773.92	11	2,103.39	11	2,433.02	11	2,762.24	11	3,092.77
11 1/4	235.95	11 1/4	510.29	11 1/4	805.10	11 1/4	1,119.99	11 1/4	1,449.93	11 1/4	1,780.82	11 1/4	2,110.28	11 1/4	2,439.88	11 1/4	2,769.10	11 1/4	3,099.61
11 1/2	241.32	11 1/2	516.22	11 1/2	811.47	11 1/2	1,126.76	11 1/2	1,456.83	11 1/2	1,787.71	11 1/2	2,117.17	11 1/2	2,446.74	11 1/2	2,775.96	11 1/2	3,106.46
11 3/4	246.69	11 3/4	522.14	11 3/4	817.84	11 3/4	1,133.53	11 3/4	1,463.72	11 3/4	1,794.60	11 3/4	2,124.07	11 3/4	2,453.60	11 3/4	2,782.82	11 3/4	3,113.30

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" DIAMETER STANDPIPE.  
GAUGE POINT: (MANUAL) LOCATED 12'-04" OFF CENTERLINE AND 46'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pma.com.net

*Paul Johnson*



CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

Barge EMS 3045  
Enterprise Marine  
Services LLC

1 STBD  
INNAGE TABLE

GAUGE HEIGHT 14'-11"

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	3,120.15	0	3,437.76	0	3,735.14	0	4,012.12	0		0		0		0		0		0	
1/4	3,126.95	1/4	3,444.14	1/4	3,741.11	1/4	4,017.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,133.76	1/2	3,450.53	1/2	3,747.08	1/2	4,023.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,140.57	3/4	3,456.92	3/4	3,753.04	3/4	4,028.62	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,147.37	1	3,463.30	1	3,759.01	1	4,034.13	1		1		1		1		1		1	
1 1/4	3,154.14	1 1/4	3,469.66	1 1/4	3,764.94	1 1/4	4,039.60	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,160.92	1 1/2	3,476.01	1 1/2	3,770.88	1 1/2	4,045.07	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,167.69	3/4	3,482.36	3/4	3,776.81	3/4	4,050.54	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,174.47	2	3,488.72	2	3,782.75	2	4,056.02	2		2		2		2		2		2	
1 1/4	3,181.21	1 1/4	3,495.03	1 1/4	3,788.64	1 1/4	4,061.45	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,187.96	1 1/2	3,501.35	1 1/2	3,794.54	1 1/2	4,066.88	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,194.70	3/4	3,507.66	3/4	3,800.43	3/4	4,072.31	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,201.45	3	3,513.98	3	3,806.33	3	4,077.74	3		3		3		3		3		3	
1 1/4	3,208.15	1 1/4	3,520.26	1 1/4	3,812.19	1 1/4	4,083.14	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,214.85	1 1/2	3,526.54	1 1/2	3,818.05	1 1/2	4,088.54	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,221.56	3/4	3,532.82	3/4	3,823.91	3/4	4,093.93	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,228.26	4	3,539.11	4	3,829.78	4	4,099.33	4		4		4		4		4		4	
1 1/4	3,234.93	1 1/4	3,545.36	1 1/4	3,835.60	1 1/4	4,106.18	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,241.60	1 1/2	3,551.61	1 1/2	3,841.42	1 1/2	4,113.03	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,248.28	3/4	3,557.87	3/4	3,847.25	3/4	4,119.88	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,254.95	5	3,564.12	5	3,853.07	5	4,126.73	5		5		5		5		5		5	
1 1/4	3,261.58	1 1/4	3,570.34	1 1/4	3,858.86	1 1/4	4,133.58	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,268.21	1 1/2	3,576.55	1 1/2	3,864.65	1 1/2	4,140.42	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,274.84	3/4	3,582.76	3/4	3,870.44	3/4	4,147.27	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,281.47	6	3,588.97	6	3,876.23	6	4,154.12	6		6		6		6		6		6	
1 1/4	3,288.07	1 1/4	3,595.15	1 1/4	3,882.00	1 1/4	4,160.97	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,294.67	1 1/2	3,601.33	1 1/2	3,887.76	1 1/2	4,167.82	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,301.27	3/4	3,607.51	3/4	3,893.52	3/4	4,174.67	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,307.87	7	3,613.69	7	3,899.29	7	4,181.51	7		7		7		7		7		7	
1 1/4	3,314.43	1 1/4	3,619.83	1 1/4	3,905.01	1 1/4	4,188.36	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,320.99	1 1/2	3,625.97	1 1/2	3,910.73	1 1/2	4,195.21	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,327.55	3/4	3,632.11	3/4	3,916.45	3/4	4,202.06	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,334.11	8	3,638.25	8	3,922.17	8	4,208.91	8		8		8		8		8		8	
1 1/4	3,340.64	1 1/4	3,644.36	1 1/4	3,927.86	1 1/4	4,215.76	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,347.17	1 1/2	3,650.47	1 1/2	3,933.55	1 1/2	4,222.61	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,353.70	3/4	3,656.58	3/4	3,939.24	3/4	4,229.45	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,360.23	9	3,662.69	9	3,944.93	9	4,236.30	9		9		9		9		9		9	
1 1/4	3,366.73	1 1/4	3,668.75	1 1/4	3,950.57	1 1/4	4,243.15	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,373.23	1 1/2	3,674.82	1 1/2	3,956.22	1 1/2	4,250.00	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,379.73	3/4	3,680.89	3/4	3,961.87	3/4	4,256.85	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,386.23	10	3,686.96	10	3,967.52	10	4,263.70	10		10		10		10		10		10	
1 1/4	3,392.68	1 1/4	3,693.00	1 1/4	3,973.14	1 1/4	4,269.82	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,399.14	1 1/2	3,699.04	1 1/2	3,978.75	1 1/2	4,275.95	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,405.60	3/4	3,705.07	3/4	3,984.37	3/4	4,282.08	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,412.05	11	3,711.11	11	3,989.99	11	4,288.21	11		11		11		11		11		11	
1 1/4	3,418.48	1 1/4	3,717.12	1 1/4	3,995.52	1 1/4				1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,424.91	1 1/2	3,723.13	1 1/2	4,001.06	1 1/2				1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	3,431.33	3/4	3,729.14	3/4	4,006.59	3/4				3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/29/2010 CL - SW  
CALCULATED: 06/29/2010 CL  
PRINTED: 06/29/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/20/10

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



Barge EMS 3045  
Enterprise Marine  
Services LLC

2 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	16.55	0	380.98	0	768.28	0	1,155.84	0	1,543.57	0	1,931.29	0	2,319.01	0	2,704.81	0	3,090.92	0	3,476.70
1/4	21.60	1/4	389.06	1/4	776.34	1/4	1,163.92	1/4	1,551.64	1/4	1,939.37	1/4	2,326.97	1/4	2,712.89	1/4	3,099.95	1/4	3,484.73
1/2	26.65	1/2	397.14	1/2	784.40	1/2	1,172.00	1/2	1,559.72	1/2	1,947.45	1/2	2,334.93	1/2	2,720.97	1/2	3,106.99	1/2	3,492.77
3/4	31.70	3/4	405.21	3/4	792.46	3/4	1,180.07	3/4	1,567.80	3/4	1,955.52	3/4	2,342.89	3/4	2,729.04	3/4	3,115.03	3/4	3,500.81
1	36.75	1	413.29	1	800.52	1	1,188.15	1	1,575.88	1	1,963.60	1	2,350.84	1	2,737.12	1	3,123.06	1	3,508.85
1/4	43.82	1/4	421.37	1/4	808.59	1/4	1,196.23	1/4	1,583.95	1/4	1,971.68	1/4	2,358.80	1/4	2,745.20	1/4	3,131.10	1/4	3,516.92
1/2	50.88	1/2	429.44	1/2	816.65	1/2	1,204.31	1/2	1,592.03	1/2	1,979.76	1/2	2,366.76	1/2	2,753.28	1/2	3,139.14	1/2	3,525.00
3/4	57.95	3/4	437.52	3/4	824.71	3/4	1,212.38	3/4	1,600.11	3/4	1,987.83	3/4	2,374.71	3/4	2,761.35	3/4	3,147.18	3/4	3,533.08
2	65.02	2	445.60	2	832.77	2	1,220.46	2	1,608.19	2	1,995.91	2	2,382.67	2	2,769.43	2	3,155.21	2	3,541.16
1/4	73.10	1/4	453.68	1/4	840.84	1/4	1,228.54	1/4	1,616.26	1/4	2,003.99	1/4	2,390.63	1/4	2,777.47	1/4	3,163.25	1/4	3,549.23
1/2	81.18	1/2	461.75	1/2	848.91	1/2	1,236.62	1/2	1,624.34	1/2	2,012.07	1/2	2,398.59	1/2	2,785.51	1/2	3,171.29	1/2	3,557.31
3/4	89.25	3/4	469.83	3/4	856.98	3/4	1,244.69	3/4	1,632.42	3/4	2,020.14	3/4	2,406.54	3/4	2,793.54	3/4	3,179.32	3/4	3,565.39
3	97.33	3	477.91	3	865.05	3	1,252.77	3	1,640.50	3	2,028.22	3	2,414.50	3	2,801.58	3	3,187.36	3	3,573.47
1/4	105.41	1/4	485.99	1/4	873.12	1/4	1,260.85	1/4	1,648.57	1/4	2,036.30	1/4	2,422.46	1/4	2,809.62	1/4	3,195.40	1/4	3,581.54
1/2	113.49	1/2	494.06	1/2	881.20	1/2	1,268.93	1/2	1,656.65	1/2	2,044.38	1/2	2,430.41	1/2	2,817.65	1/2	3,203.44	1/2	3,589.62
3/4	121.56	3/4	502.14	3/4	889.28	3/4	1,277.00	3/4	1,664.73	3/4	2,052.45	3/4	2,438.37	3/4	2,825.69	3/4	3,211.47	3/4	3,597.70
4	129.64	4	510.22	4	897.36	4	1,285.08	4	1,672.81	4	2,060.53	4	2,446.33	4	2,833.73	4	3,219.51	4	3,605.78
1/4	137.69	1/4	518.30	1/4	905.43	1/4	1,293.16	1/4	1,680.88	1/4	2,068.61	1/4	2,454.41	1/4	2,841.77	1/4	3,227.55	1/4	3,613.85
1/2	145.35	1/2	526.37	1/2	913.51	1/2	1,301.24	1/2	1,688.96	1/2	2,076.69	1/2	2,462.48	1/2	2,849.80	1/2	3,235.58	1/2	3,621.93
3/4	153.20	3/4	534.45	3/4	921.59	3/4	1,309.31	3/4	1,697.04	3/4	2,084.76	3/4	2,470.56	3/4	2,857.84	3/4	3,243.62	3/4	3,630.01
5	161.06	5	542.53	5	929.67	5	1,317.39	5	1,705.12	5	2,092.84	5	2,478.64	5	2,865.88	5	3,251.66	5	3,638.09
1/4	168.91	1/4	550.60	1/4	937.74	1/4	1,325.47	1/4	1,713.19	1/4	2,100.92	1/4	2,486.72	1/4	2,873.91	1/4	3,259.70	1/4	3,646.16
1/2	176.77	1/2	558.66	1/2	945.82	1/2	1,333.55	1/2	1,721.27	1/2	2,109.00	1/2	2,494.79	1/2	2,881.95	1/2	3,267.73	1/2	3,654.24
3/4	184.62	3/4	566.73	3/4	953.90	3/4	1,341.63	3/4	1,729.35	3/4	2,117.07	3/4	2,502.85	3/4	2,889.99	3/4	3,275.77	3/4	3,662.32
6	192.48	6	574.80	6	961.98	6	1,349.70	6	1,737.43	6	2,125.15	6	2,510.93	6	2,898.03	6	3,283.81	6	3,670.40
1/4	200.33	1/4	582.86	1/4	970.06	1/4	1,357.78	1/4	1,745.51	1/4	2,133.23	1/4	2,519.03	1/4	2,906.06	1/4	3,291.84	1/4	3,678.47
1/2	208.18	1/2	590.93	1/2	978.13	1/2	1,365.86	1/2	1,753.58	1/2	2,141.31	1/2	2,527.12	1/2	2,914.10	1/2	3,299.88	1/2	3,686.55
3/4	216.04	3/4	598.99	3/4	986.21	3/4	1,373.94	3/4	1,761.66	3/4	2,149.39	3/4	2,535.18	3/4	2,922.14	3/4	3,307.92	3/4	3,694.63
7	223.89	7	607.05	7	994.29	7	1,382.01	7	1,769.74	7	2,157.46	7	2,543.26	7	2,930.21	7	3,315.96	7	3,702.71
1/4	231.75	1/4	615.11	1/4	1,002.37	1/4	1,390.09	1/4	1,777.82	1/4	2,165.54	1/4	2,551.34	1/4	2,938.21	1/4	3,323.99	1/4	3,710.78
1/2	239.60	1/2	623.17	1/2	1,010.44	1/2	1,398.17	1/2	1,785.89	1/2	2,173.62	1/2	2,559.41	1/2	2,946.25	1/2	3,332.03	1/2	3,718.86
3/4	247.46	3/4	631.23	3/4	1,018.52	3/4	1,406.25	3/4	1,793.97	3/4	2,181.70	3/4	2,567.49	3/4	2,954.29	3/4	3,340.07	3/4	3,726.94
8	255.31	8	639.30	8	1,026.60	8	1,414.32	8	1,802.05	8	2,189.77	8	2,575.57	8	2,962.32	8	3,348.10	8	3,735.02
1/4	263.17	1/4	647.36	1/4	1,034.68	1/4	1,422.40	1/4	1,810.13	1/4	2,197.85	1/4	2,583.65	1/4	2,970.36	1/4	3,356.14	1/4	3,743.09
1/2	271.02	1/2	655.42	1/2	1,042.75	1/2	1,430.48	1/2	1,818.20	1/2	2,205.93	1/2	2,591.73	1/2	2,978.40	1/2	3,364.18	1/2	3,751.17
3/4	278.87	3/4	663.48	3/4	1,050.83	3/4	1,438.56	3/4	1,826.28	3/4	2,214.01	3/4	2,599.80	3/4	2,986.43	3/4	3,372.21	3/4	3,759.25
9	286.73	9	671.54	9	1,058.91	9	1,446.63	9	1,834.36	9	2,222.08	9	2,607.88	9	2,994.47	9	3,380.25	9	3,767.33
1/4	294.58	1/4	679.60	1/4	1,066.99	1/4	1,454.71	1/4	1,842.44	1/4	2,230.16	1/4	2,615.96	1/4	3,002.51	1/4	3,388.29	1/4	3,775.40
1/2	302.44	1/2	687.66	1/2	1,075.06	1/2	1,462.79	1/2	1,850.51	1/2	2,238.24	1/2	2,624.04	1/2	3,010.55	1/2	3,396.33	1/2	3,783.48
3/4	310.29	3/4	695.72	3/4	1,083.14	3/4	1,470.87	3/4	1,858.59	3/4	2,246.32	3/4	2,632.12	3/4	3,018.58	3/4	3,404.36	3/4	3,791.56
10	318.15	10	703.78	10	1,091.22	10	1,478.94	10	1,866.67	10	2,254.39	10	2,640.19	10	3,026.62	10	3,412.40	10	3,799.64
1/4	326.00	1/4	711.84	1/4	1,099.30	1/4	1,487.02	1/4	1,874.75	1/4	2,262.47	1/4	2,648.27	1/4	3,034.66	1/4	3,420.44	1/4	3,807.69
1/2	333.85	1/2	719.91	1/2	1,107.37	1/2	1,495.10	1/2	1,882.82	1/2	2,270.55	1/2	2,656.35	1/2	3,042.69	1/2	3,428.47	1/2	3,815.75
3/4	341.71	3/4	727.97	3/4	1,115.45	3/4	1,503.18	3/4	1,890.90	3/4	2,278.63	3/4	2,664.42	3/4	3,050.73	3/4	3,436.51	3/4	3,823.81
11	349.56	11	736.03	11	1,123.53	11	1,511.25	11	1,898.98	11	2,286.70	11	2,672.50	11	3,058.77	11	3,444.55	11	3,831.87
1/4	357.42	1/4	744.09	1/4	1,131.61	1/4	1,519.33	1/4	1,907.06	1/4	2,294.78	1/4	2,680.58	1/4	3,066.80	1/4	3,452.59	1/4	3,839.89
1/2	365.27	1/2	752.15	1/2	1,139.69	1/2	1,527.41	1/2	1,915.13	1/2	2,302.86	1/2	2,688.66	1/2	3,074.84	1/2	3,460.62	1/2	3,847.92
3/4	373.13	3/4	760.22	3/4	1,147.76	3/4	1,535.49	3/4	1,923.21	3/4	2,310.94	3/4	2,696.73	3/4	3,082.88	3/4	3,468.66	3/4	3,855.94

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" DIAMETER STANDPIPE.

GAUGE POINT: (MANUAL) LOCATED 12'-0" OFF CENTERLINE AND 42'-0" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2082

Pearland, Texas 77588

http://www.pma.com.net



Barge EMS 3045  
Enterprise Marine  
Services LLC

2 PORT  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 1/2"

IN	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N
0	3,863.96	0	4,236.17	0	4,584.70	0	4,909.35	0												
1/4	3,871.94	1/4	4,243.65	1/4	4,591.69	1/4	4,915.79	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	3,879.91	1/2	4,251.14	1/2	4,598.69	1/2	4,922.24	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	3,887.89	3/4	4,258.62	3/4	4,605.68	3/4	4,928.69	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	3,895.86	1	4,266.10	1	4,612.67	1	4,935.14	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	3,903.80	1/4	4,273.55	1/4	4,619.63	1/4	4,941.55	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	3,911.74	1/2	4,281.00	1/2	4,626.58	1/2	4,947.97	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	3,919.68	3/4	4,288.44	3/4	4,633.54	3/4	4,954.38	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	3,927.61	2	4,295.89	2	4,640.50	2	4,960.80	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	3,935.52	1/4	4,303.29	1/4	4,647.40	1/4	4,967.16	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	3,943.42	1/2	4,310.69	1/2	4,654.31	1/2	4,973.53	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	3,951.33	3/4	4,318.09	3/4	4,661.22	3/4	4,979.89	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	3,959.23	3	4,325.49	3	4,668.13	3	4,986.26	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	3,967.09	1/4	4,332.85	1/4	4,675.00	1/4	4,992.59	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	3,974.94	1/2	4,340.22	1/2	4,681.87	1/2	4,998.92	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	3,982.80	3/4	4,347.58	3/4	4,688.74	3/4	5,005.25	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	3,990.65	4	4,354.94	4	4,695.62	4	5,011.57	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	3,998.47	1/4	4,362.27	1/4	4,702.44	1/4	5,019.60	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	4,006.29	1/2	4,369.60	1/2	4,709.27	1/2	5,027.63	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	4,014.11	3/4	4,376.93	3/4	4,716.09	3/4	5,035.65	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	4,021.93	5	4,384.26	5	4,722.92	5	5,043.68	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	4,029.70	1/4	4,391.54	1/4	4,729.71	1/4	5,051.70	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	4,037.47	1/2	4,398.82	1/2	4,736.49	1/2	5,059.73	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	4,045.24	3/4	4,406.10	3/4	4,743.28	3/4	5,067.75	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	4,053.01	6	4,413.38	6	4,750.07	6	5,075.78	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	4,060.75	1/4	4,420.63	1/4	4,756.82	1/4	5,083.80	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	4,068.48	1/2	4,427.87	1/2	4,763.58	1/2	5,091.83	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	4,076.22	3/4	4,435.11	3/4	4,770.33	3/4	5,099.85	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	4,083.95	7	4,442.36	7	4,777.09	7	5,107.88	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	4,091.64	1/4	4,449.55	1/4	4,783.79	1/4	5,115.90	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	4,099.33	1/2	4,456.75	1/2	4,790.50	1/2	5,123.93	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	4,107.01	3/4	4,463.95	3/4	4,797.20	3/4	5,131.95	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	4,114.70	8	4,471.14	8	4,803.91	8	5,139.98	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	4,122.35	1/4	4,478.30	1/4	4,810.58	1/4	5,148.01	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	4,130.00	1/2	4,485.46	1/2	4,817.25	1/2	5,156.03	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	4,137.65	3/4	4,492.62	3/4	4,823.91	3/4	5,164.06	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	4,145.30	9	4,499.78	9	4,830.58	9	5,172.08	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	4,152.92	1/4	4,506.89	1/4	4,837.20	1/4	5,180.11	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	4,160.54	1/2	4,514.00	1/2	4,843.82	1/2	5,188.13	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	4,168.16	3/4	4,521.12	3/4	4,850.45	3/4	5,196.16	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	4,175.78	10	4,528.23	10	4,857.07	10	5,204.18	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	4,183.34	1/4	4,535.31	1/4	4,863.65	1/4	5,210.19	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	4,190.91	1/2	4,542.38	1/2	4,870.24	1/2	5,216.20	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	4,198.48	3/4	4,549.46	3/4	4,876.82	3/4	5,222.21	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	4,206.04	11	4,556.53	11	4,883.40	11	5,228.22	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	4,213.57	1/4	4,563.58	1/4	4,889.89	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	4,221.11	1/2	4,570.62	1/2	4,896.37	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	4,228.64	3/4	4,577.66	3/4	4,902.86	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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/29/2010 CL - SW  
CALCULATED: 06/29/2010 CL  
PRINTED: 06/29/2010 CL

PRECISION MEASUREMENT  
& ANALYSIS, INC.

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2010

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



Barge EMS 3045  
Enterprise Marine  
Services LLC

2 STBD  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I
0	16.56	0	381.19	0	758.75	0	1,141.55	0	1,529.40	0	1,917.26	0	2,305.11	0	2,691.04	0	3,077.27	0	3,463.18
10	21.61	1/4	389.19	1/4	766.51	1/4	1,149.63	1/4	1,537.48	1/4	1,925.34	1/4	2,313.07	1/4	2,699.12	1/4	3,085.31	1/4	3,471.22
12	26.66	1/2	397.27	1/2	774.27	1/2	1,157.71	1/2	1,545.56	1/2	1,933.42	1/2	2,321.03	1/2	2,707.20	1/2	3,093.35	1/2	3,479.26
34	31.71	3/4	405.55	3/4	782.02	3/4	1,165.79	3/4	1,553.64	3/4	1,941.50	3/4	2,329.99	3/4	2,715.28	3/4	3,101.39	3/4	3,487.30
1	36.76	1	413.43	1	789.78	1	1,173.85	1	1,561.72	1	1,949.58	1	2,336.95	1	2,723.36	1	3,109.43	1	3,495.34
14	43.83	1/4	421.51	1/4	797.54	1/4	1,181.95	1/4	1,569.80	1/4	1,957.66	1/4	2,344.91	1/4	2,731.44	1/4	3,117.47	1/4	3,503.42
12	50.90	1/2	429.59	1/2	805.30	1/2	1,190.03	1/2	1,585.96	1/2	1,973.82	1/2	2,352.87	1/2	2,739.52	1/2	3,125.51	1/2	3,511.50
34	57.97	3/4	437.67	3/4	813.06	3/4	1,198.11	3/4	1,585.96	3/4	1,973.82	3/4	2,352.87	3/4	2,739.52	3/4	3,125.51	3/4	3,511.50
2	65.04	2	445.75	2	820.82	2	1,206.19	2	1,594.04	2	1,981.90	2	2,366.79	2	2,755.68	2	3,141.59	2	3,527.66
14	73.12	1/4	453.83	1/4	828.58	1/4	1,214.27	1/4	1,602.12	1/4	1,989.98	1/4	2,376.75	1/4	2,763.72	1/4	3,149.63	1/4	3,535.74
12	81.20	1/2	461.91	1/2	836.35	1/2	1,222.35	1/2	1,610.20	1/2	1,998.06	1/2	2,384.71	1/2	2,771.76	1/2	3,157.67	1/2	3,543.82
34	89.28	3/4	469.99	3/4	844.11	3/4	1,230.43	3/4	1,618.28	3/4	2,006.14	3/4	2,392.67	3/4	2,779.80	3/4	3,165.71	3/4	3,551.90
3	97.36	3	478.07	3	851.88	3	1,238.51	3	1,626.36	3	2,014.22	3	2,400.63	3	2,787.84	3	3,173.75	3	3,559.98
14	105.44	1/4	486.15	1/4	859.65	1/4	1,246.59	1/4	1,634.44	1/4	2,022.30	1/4	2,408.59	1/4	2,795.88	1/4	3,181.79	1/4	3,568.06
12	113.52	1/2	494.23	1/2	867.43	1/2	1,254.67	1/2	1,642.53	1/2	2,030.38	1/2	2,416.55	1/2	2,803.92	1/2	3,189.83	1/2	3,576.14
34	121.60	3/4	502.31	3/4	875.20	3/4	1,262.75	3/4	1,650.61	3/4	2,038.46	3/4	2,424.51	3/4	2,811.96	3/4	3,197.87	3/4	3,584.22
4	129.68	4	510.39	4	882.98	4	1,270.83	4	1,658.69	4	2,046.54	4	2,432.47	4	2,820.00	4	3,205.91	4	3,592.30
14	137.54	1/4	518.17	1/4	891.06	1/4	1,278.91	1/4	1,666.77	1/4	2,054.62	1/4	2,440.55	1/4	2,828.04	1/4	3,213.95	1/4	3,600.38
12	145.40	1/2	526.94	1/2	899.14	1/2	1,286.99	1/2	1,674.85	1/2	2,062.70	1/2	2,448.63	1/2	2,836.08	1/2	3,221.99	1/2	3,608.46
34	153.25	3/4	533.72	3/4	907.22	3/4	1,295.07	3/4	1,682.93	3/4	2,070.78	3/4	2,456.71	3/4	2,844.12	3/4	3,230.03	3/4	3,616.54
5	161.11	5	541.49	5	915.30	5	1,303.15	5	1,691.91	5	2,078.86	5	2,464.79	5	2,852.16	5	3,238.07	5	3,624.62
14	168.97	1/4	549.25	1/4	923.38	1/4	1,311.23	1/4	1,699.09	1/4	2,086.94	1/4	2,472.87	1/4	2,860.20	1/4	3,246.11	1/4	3,632.71
12	176.83	1/2	557.02	1/2	931.46	1/2	1,319.31	1/2	1,707.17	1/2	2,095.02	1/2	2,480.95	1/2	2,868.24	1/2	3,254.15	1/2	3,640.79
34	184.68	3/4	564.79	3/4	939.54	3/4	1,327.39	3/4	1,715.25	3/4	2,103.10	3/4	2,489.03	3/4	2,876.32	3/4	3,262.19	3/4	3,648.87
6	192.54	6	572.55	6	947.62	6	1,335.47	6	1,723.33	6	2,111.18	6	2,497.11	6	2,884.32	6	3,270.23	6	3,656.95
14	200.40	1/4	580.31	1/4	955.70	1/4	1,343.55	1/4	1,731.41	1/4	2,119.26	1/4	2,505.19	1/4	2,892.36	1/4	3,278.27	1/4	3,665.03
12	208.25	1/2	588.07	1/2	963.78	1/2	1,351.63	1/2	1,739.49	1/2	2,127.34	1/2	2,513.27	1/2	2,900.39	1/2	3,286.31	1/2	3,673.11
34	216.11	3/4	595.83	3/4	971.86	3/4	1,359.71	3/4	1,747.57	3/4	2,135.42	3/4	2,521.35	3/4	2,908.43	3/4	3,294.35	3/4	3,681.19
7	223.97	7	603.58	7	979.94	7	1,367.79	7	1,755.65	7	2,143.50	7	2,529.43	7	2,916.47	7	3,302.38	7	3,689.27
14	231.83	1/4	611.34	1/4	988.02	1/4	1,375.88	1/4	1,763.73	1/4	2,151.58	1/4	2,537.51	1/4	2,924.51	1/4	3,310.42	1/4	3,697.35
12	239.68	1/2	619.10	1/2	996.10	1/2	1,383.96	1/2	1,771.81	1/2	2,159.66	1/2	2,545.59	1/2	2,932.55	1/2	3,318.46	1/2	3,705.43
34	247.54	3/4	626.86	3/4	1,004.18	3/4	1,392.04	3/4	1,779.89	3/4	2,167.74	3/4	2,553.67	3/4	2,940.59	3/4	3,326.50	3/4	3,713.51
8	255.40	8	634.62	8	1,012.26	8	1,400.12	8	1,787.97	8	2,175.82	8	2,561.75	8	2,948.63	8	3,334.54	8	3,721.59
14	263.25	1/4	642.38	1/4	1,020.34	1/4	1,408.20	1/4	1,796.05	1/4	2,183.91	1/4	2,569.83	1/4	2,956.67	1/4	3,342.58	1/4	3,729.67
12	271.11	1/2	650.13	1/2	1,028.42	1/2	1,416.28	1/2	1,804.13	1/2	2,191.99	1/2	2,577.91	1/2	2,964.71	1/2	3,350.62	1/2	3,737.75
34	278.97	3/4	657.89	3/4	1,036.50	3/4	1,424.36	3/4	1,812.21	3/4	2,200.07	3/4	2,585.99	3/4	2,972.75	3/4	3,358.66	3/4	3,745.83
9	286.83	9	665.65	9	1,044.58	9	1,432.44	9	1,820.29	9	2,208.15	9	2,594.07	9	2,980.79	9	3,366.70	9	3,753.91
14	294.68	1/4	673.41	1/4	1,052.66	1/4	1,440.52	1/4	1,828.37	1/4	2,216.23	1/4	2,602.15	1/4	2,988.83	1/4	3,374.74	1/4	3,761.99
12	302.54	1/2	681.16	1/2	1,060.74	1/2	1,448.60	1/2	1,836.45	1/2	2,224.31	1/2	2,610.23	1/2	2,996.87	1/2	3,382.78	1/2	3,770.07
34	310.40	3/4	688.92	3/4	1,068.82	3/4	1,456.68	3/4	1,844.53	3/4	2,232.39	3/4	2,618.31	3/4	3,004.91	3/4	3,390.82	3/4	3,778.15
10	318.25	10	696.68	10	1,076.90	10	1,464.76	10	1,852.61	10	2,240.47	10	2,626.39	10	3,012.95	10	3,398.86	10	3,786.23
14	326.11	1/4	704.44	1/4	1,084.98	1/4	1,472.84	1/4	1,860.69	1/4	2,248.55	1/4	2,634.47	1/4	3,020.99	1/4	3,406.90	1/4	3,794.29
12	333.97	1/2	712.20	1/2	1,093.06	1/2	1,480.92	1/2	1,868.77	1/2	2,256.63	1/2	2,642.55	1/2	3,028.03	1/2	3,414.94	1/2	3,802.35
34	341.83	3/4	719.96	3/4	1,101.14	3/4	1,489.00	3/4	1,876.85	3/4	2,264.71	3/4	2,650.63	3/4	3,036.07	3/4	3,422.98	3/4	3,810.42
11	349.68	11	727.71	11	1,109.23	11	1,497.08	11	1,884.93	11	2,272.79	11	2,658.71	11	3,045.11	11	3,431.02	11	3,818.48
14	357.54	1/4	735.47	1/4	1,117.31	1/4	1,505.16	1/4	1,893.01	1/4	2,280.87	1/4	2,666.80	1/4	3,053.15	1/4	3,439.06	1/4	3,826.50
12	365.40	1/2	743.23	1/2	1,125.39	1/2	1,513.24	1/2	1,901.09	1/2	2,288.95	1/2	2,674.88	1/2	3,061.19	1/2	3,447.10	1/2	3,834.53
34	373.25	3/4	750.99	3/4	1,133.47	3/4	1,521.32	3/4	1,909.17	3/4	2,297.03	3/4	2,682.96	3/4	3,069.23	3/4	3,455.14	3/4	3,842.55

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER STANDPIPE.  
GAUGE POINT: (MANUAL) LOCATED 12'-04" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2002

Pearland, Texas 77588

http://www.pma-inc.net





Barge EMS 3045  
Enterprise Marine  
Services LLC

2 STBD  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,850.57	0	4,222.91	0	4,571.58	0	4,896.36	0		0		0		0		0		0	
1/4	3,855.55	1/4	4,230.40	1/4	4,576.58	1/4	4,902.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,866.53	1/2	4,237.89	1/2	4,585.57	1/2	4,909.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,874.51	3/4	4,245.37	3/4	4,592.57	3/4	4,915.72	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,882.43	1	4,252.86	1	4,599.56	1	4,922.17	1		1		1		1		1		1	
1 1/4	3,890.49	1 1/4	4,260.31	1 1/4	4,606.52	1 1/4	4,928.58	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,896.37	1 1/2	4,267.76	1 1/2	4,613.48	1 1/2	4,935.00	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
2	3,906.31	2	4,275.21	2	4,620.44	2	4,941.42	2		2		2		2		2		2	
2 1/4	3,914.25	2 1/4	4,282.66	2 1/4	4,627.40	2 1/4	4,947.84	2 1/4		2 1/4		2 1/4		2 1/4		2 1/4		2 1/4	
1/4	3,922.16	1/4	4,290.06	1/4	4,634.31	1/4	4,954.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,930.07	1/2	4,297.46	1/2	4,641.22	1/2	4,960.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,937.97	3/4	4,304.87	3/4	4,648.13	3/4	4,966.94	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,945.88	1	4,312.27	1	4,655.04	1	4,973.31	1		1		1		1		1		1	
1 1/4	3,953.74	1 1/4	4,319.64	1 1/4	4,661.92	1 1/4	4,979.64	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,961.60	1 1/2	4,327.00	1 1/2	4,668.79	1 1/2	4,985.97	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
2	3,969.45	2	4,334.37	2	4,675.67	2	4,992.31	2		2		2		2		2		2	
2 1/4	3,977.31	2 1/4	4,341.73	2 1/4	4,682.54	2 1/4	4,998.64	2 1/4		2 1/4		2 1/4		2 1/4		2 1/4		2 1/4	
1/4	3,985.13	1/4	4,349.07	1/4	4,689.37	1/4	5,006.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,992.95	1/2	4,356.40	1/2	4,696.20	1/2	5,014.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,000.78	3/4	4,363.73	3/4	4,703.03	3/4	5,022.72	3/4		3/4		3/4		3/4		3/4		3/4	
1	4,008.60	1	4,371.07	1	4,709.85	1	5,030.75	1		1		1		1		1		1	
1 1/4	4,016.37	1 1/4	4,378.35	1 1/4	4,716.64	1 1/4	5,038.78	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	4,024.15	1 1/2	4,385.63	1 1/2	4,723.44	1 1/2	5,046.81	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
2	4,031.92	2	4,392.91	2	4,730.23	2	5,054.83	2		2		2		2		2		2	
2 1/4	4,039.69	2 1/4	4,400.20	2 1/4	4,737.02	2 1/4	5,062.86	2 1/4		2 1/4		2 1/4		2 1/4		2 1/4		2 1/4	
1/4	4,047.43	1/4	4,407.44	1/4	4,743.78	1/4	5,070.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,055.17	1/2	4,414.69	1/2	4,750.53	1/2	5,078.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,062.90	3/4	4,421.93	3/4	4,757.29	3/4	5,086.95	3/4		3/4		3/4		3/4		3/4		3/4	
1	4,070.64	1	4,429.18	1	4,764.05	1	5,094.97	1		1		1		1		1		1	
1 1/4	4,078.33	1 1/4	4,436.38	1 1/4	4,770.76	1 1/4	5,103.00	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	4,086.02	1 1/2	4,443.58	1 1/2	4,777.46	1 1/2	5,111.03	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
2	4,093.71	2	4,450.78	2	4,784.17	2	5,119.06	2		2		2		2		2		2	
2 1/4	4,101.40	2 1/4	4,457.98	2 1/4	4,790.88	2 1/4	5,127.09	2 1/4		2 1/4		2 1/4		2 1/4		2 1/4		2 1/4	
1/4	4,109.06	1/4	4,465.14	1/4	4,797.55	1/4	5,135.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,116.71	1/2	4,472.30	1/2	4,804.22	1/2	5,143.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,124.36	3/4	4,479.46	3/4	4,810.89	3/4	5,151.17	3/4		3/4		3/4		3/4		3/4		3/4	
1	4,132.02	1	4,486.62	1	4,817.56	1	5,159.20	1		1		1		1		1		1	
1 1/4	4,139.64	1 1/4	4,493.74	1 1/4	4,824.19	1 1/4	5,167.23	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	4,147.26	1 1/2	4,500.86	1 1/2	4,830.81	1 1/2	5,175.26	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
2	4,154.88	2	4,507.97	2	4,837.44	2	5,183.28	2		2		2		2		2		2	
2 1/4	4,162.50	2 1/4	4,515.09	2 1/4	4,844.06	2 1/4	5,191.31	2 1/4		2 1/4		2 1/4		2 1/4		2 1/4		2 1/4	
1/4	4,170.07	1/4	4,522.17	1/4	4,850.65	1/4	5,197.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,177.64	1/2	4,529.24	1/2	4,857.23	1/2	5,203.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,185.21	3/4	4,536.32	3/4	4,863.82	3/4	5,209.34	3/4		3/4		3/4		3/4		3/4		3/4	
1	4,192.78	1	4,543.40	1	4,870.41	1	5,215.35	1		1		1		1		1		1	
1 1/4	4,200.31	1 1/4	4,550.45	1 1/4	4,876.90	1 1/4				1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	4,207.85	1 1/2	4,557.49	1 1/2	4,883.38	1 1/2				1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
2	4,215.38	2	4,564.54	2	4,889.87	2				2		2		2		2		2	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/29/2010 CL - SW  
CALCULATED: 06/28/2010 CL  
PRINTED: 06/29/2010 CL

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3 PORT  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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	15.42	0	354.30	0	714.42	0	1,074.80	0	1,435.32	0	1,795.76	0	2,156.18	0	2,514.57	0	2,874.50	0	3,233.28
1/4	20.12	1/4	361.82	1/4	721.91	1/4	1,082.31	1/4	1,442.83	1/4	1,803.27	1/4	2,163.55	1/4	2,522.07	1/4	2,882.00	1/4	3,240.74
1/2	24.81	1/2	369.33	1/2	729.41	1/2	1,089.82	1/2	1,450.34	1/2	1,810.78	1/2	2,170.93	1/2	2,529.58	1/2	2,889.50	1/2	3,248.20
3/4	29.50	3/4	376.84	3/4	736.90	3/4	1,097.33	3/4	1,457.85	3/4	1,818.29	3/4	2,178.31	3/4	2,537.08	3/4	2,897.00	3/4	3,256.67
1	34.20	1	384.35	1	744.40	1	1,104.84	1	1,465.36	1	1,825.80	1	2,185.68	1	2,544.58	1	2,904.49	1	3,263.13
1 1/4	40.77	1 1/4	391.86	1 1/4	751.89	1 1/4	1,112.35	1 1/4	1,472.87	1 1/4	1,833.31	1 1/4	2,193.06	1 1/4	2,552.09	1 1/4	2,911.99	1 1/4	3,270.60
1 1/2	47.35	1 1/2	399.37	1 1/2	759.39	1 1/2	1,119.86	1 1/2	1,480.38	1 1/2	1,840.82	1 1/2	2,200.44	1 1/2	2,559.59	1 1/2	2,919.49	1 1/2	3,278.08
2	53.92	2	406.88	2	766.89	2	1,127.38	2	1,487.89	2	1,848.33	2	2,207.82	2	2,567.09	2	2,926.99	2	3,285.55
2 1/4	60.49	2 1/4	414.39	2 1/4	774.38	2 1/4	1,134.89	2 1/4	1,495.40	2 1/4	1,855.84	2 1/4	2,215.20	2 1/4	2,574.60	2 1/4	2,934.49	2 1/4	3,293.03
2 1/2	68.00	2 1/2	421.90	2 1/2	781.88	2 1/2	1,142.40	2 1/2	1,502.91	2 1/2	1,863.35	2 1/2	2,222.58	2 1/2	2,582.09	2 1/2	2,941.98	2 1/2	3,300.50
3	75.51	3	429.41	3	789.39	3	1,149.91	3	1,510.41	3	1,870.86	3	2,229.96	3	2,589.59	3	2,949.48	3	3,307.98
3 1/4	83.02	3 1/4	436.92	3 1/4	796.89	3 1/4	1,157.42	3 1/4	1,517.92	3 1/4	1,878.37	3 1/4	2,237.35	3 1/4	2,597.09	3 1/4	2,956.98	3 1/4	3,315.46
3 1/2	90.54	3 1/2	444.44	3 1/2	804.39	3 1/2	1,164.93	3 1/2	1,525.43	3 1/2	1,885.87	3 1/2	2,244.73	3 1/2	2,604.59	3 1/2	2,964.48	3 1/2	3,322.93
4	98.05	4	451.95	4	811.90	4	1,172.44	4	1,532.94	4	1,893.38	4	2,252.11	4	2,612.08	4	2,971.97	4	3,329.26
4 1/4	105.56	4 1/4	459.46	4 1/4	819.41	4 1/4	1,179.96	4 1/4	1,540.45	4 1/4	1,900.89	4 1/4	2,259.49	4 1/4	2,619.58	4 1/4	2,979.47	4 1/4	3,335.58
4 1/2	113.07	4 1/2	466.97	4 1/2	826.92	4 1/2	1,187.47	4 1/2	1,547.96	4 1/2	1,908.40	4 1/2	2,266.87	4 1/2	2,627.08	4 1/2	2,986.97	4 1/2	3,341.91
5	120.58	5	474.48	5	834.44	5	1,194.98	5	1,555.47	5	1,915.91	5	2,274.25	5	2,634.58	5	2,994.47	5	3,348.24
5 1/4	127.88	5 1/4	481.99	5 1/4	841.95	5 1/4	1,202.49	5 1/4	1,562.98	5 1/4	1,923.42	5 1/4	2,281.76	5 1/4	2,642.08	5 1/4	2,994.47	5 1/4	3,353.41
5 1/2	135.19	5 1/2	489.50	5 1/2	849.46	5 1/2	1,210.00	5 1/2	1,570.49	5 1/2	1,930.93	5 1/2	2,289.27	5 1/2	2,649.57	5 1/2	2,994.47	5 1/2	3,358.59
6	142.49	6	497.01	6	856.97	6	1,217.51	6	1,578.00	6	1,938.44	6	2,296.78	6	2,657.07	6	3,006.39	6	3,363.77
6 1/4	149.80	6 1/4	504.52	6 1/4	864.48	6 1/4	1,225.02	6 1/4	1,585.51	6 1/4	1,945.95	6 1/4	2,304.29	6 1/4	2,664.57	6 1/4	3,012.32	6 1/4	3,368.94
6 1/2	157.10	6 1/2	512.03	6 1/2	871.99	6 1/2	1,232.53	6 1/2	1,593.02	6 1/2	1,953.46	6 1/2	2,311.80	6 1/2	2,672.07	6 1/2	3,018.28	6 1/2	3,374.12
7	164.40	7	519.53	7	879.50	7	1,240.05	7	1,600.53	7	1,960.97	7	2,319.31	7	2,679.56	7	3,024.24	7	3,379.29
7 1/4	171.71	7 1/4	527.03	7 1/4	887.01	7 1/4	1,247.56	7 1/4	1,608.03	7 1/4	1,968.48	7 1/4	2,326.82	7 1/4	2,687.06	7 1/4	3,030.71	7 1/4	3,384.47
7 1/2	179.01	7 1/2	534.53	7 1/2	894.53	7 1/2	1,255.07	7 1/2	1,615.54	7 1/2	1,975.99	7 1/2	2,334.33	7 1/2	2,694.56	7 1/2	3,036.17	7 1/2	3,389.65
8	186.32	8	542.03	8	902.04	8	1,262.58	8	1,623.05	8	1,983.49	8	2,341.84	8	2,702.06	8	3,041.63	8	3,394.82
8 1/4	193.62	8 1/4	549.52	8 1/4	909.55	8 1/4	1,270.09	8 1/4	1,630.56	8 1/4	1,991.00	8 1/4	2,349.35	8 1/4	2,709.55	8 1/4	3,047.09	8 1/4	3,400.00
8 1/2	200.92	8 1/2	557.02	8 1/2	917.06	8 1/2	1,277.60	8 1/2	1,638.07	8 1/2	1,998.51	8 1/2	2,356.86	8 1/2	2,717.05	8 1/2	3,052.55	8 1/2	3,405.17
9	208.23	9	564.51	9	924.57	9	1,285.11	9	1,645.58	9	2,006.02	9	2,364.37	9	2,724.55	9	3,058.02	9	3,410.35
9 1/4	215.53	9 1/4	572.01	9 1/4	932.08	9 1/4	1,292.62	9 1/4	1,653.09	9 1/4	2,013.53	9 1/4	2,371.88	9 1/4	2,732.05	9 1/4	3,063.48	9 1/4	3,415.56
9 1/2	222.83	9 1/2	579.51	9 1/2	939.59	9 1/2	1,300.14	9 1/2	1,660.60	9 1/2	2,021.04	9 1/2	2,379.39	9 1/2	2,739.55	9 1/2	3,068.95	9 1/2	3,420.77
10	230.14	10	587.00	10	947.11	10	1,307.65	10	1,668.11	10	2,028.55	10	2,386.90	10	2,747.04	10	3,074.41	10	3,425.98
10 1/4	237.44	10 1/4	594.50	10 1/4	954.62	10 1/4	1,315.16	10 1/4	1,675.62	10 1/4	2,036.05	10 1/4	2,394.41	10 1/4	2,754.54	10 1/4	3,079.87	10 1/4	3,431.19
10 1/2	244.75	10 1/2	601.99	10 1/2	962.13	10 1/2	1,322.67	10 1/2	1,683.13	10 1/2	2,043.56	10 1/2	2,401.92	10 1/2	2,762.04	10 1/2	3,085.33	10 1/2	3,436.40
11	252.05	11	609.49	11	969.64	11	1,330.18	11	1,690.64	11	2,051.07	11	2,409.43	11	2,769.54	11	3,090.79	11	3,441.61
11 1/4	259.35	11 1/4	616.98	11 1/4	977.15	11 1/4	1,337.69	11 1/4	1,698.14	11 1/4	2,058.58	11 1/4	2,416.94	11 1/4	2,777.03	11 1/4	3,096.26	11 1/4	3,446.83
11 1/2	266.66	11 1/2	624.47	11 1/2	984.66	11 1/2	1,345.20	11 1/2	1,705.65	11 1/2	2,066.09	11 1/2	2,424.45	11 1/2	2,784.53	11 1/2	3,101.72	11 1/2	3,452.04
12	273.96	12	631.97	12	992.17	12	1,352.72	12	1,713.16	12	2,073.59	12	2,431.96	12	2,792.03	12	3,107.19	12	3,457.25
12 1/4	281.27	12 1/4	639.46	12 1/4	999.68	12 1/4	1,360.23	12 1/4	1,720.67	12 1/4	2,081.10	12 1/4	2,439.47	12 1/4	2,799.53	12 1/4	3,112.66	12 1/4	3,462.46
12 1/2	288.57	12 1/2	646.96	12 1/2	1,007.20	12 1/2	1,367.74	12 1/2	1,728.18	12 1/2	2,088.61	12 1/2	2,446.98	12 1/2	2,807.02	12 1/2	3,118.13	12 1/2	3,467.67
13	295.87	13	654.45	13	1,014.71	13	1,375.25	13	1,735.69	13	2,096.12	13	2,454.49	13	2,814.52	13	3,123.57	13	3,472.88
13 1/4	303.18	13 1/4	661.95	13 1/4	1,022.22	13 1/4	1,382.72	13 1/4	1,743.20	13 1/4	2,103.63	13 1/4	2,462.00	13 1/4	2,822.02	13 1/4	3,129.04	13 1/4	3,478.07
13 1/2	310.48	13 1/2	669.44	13 1/2	1,029.73	13 1/2	1,390.27	13 1/2	1,750.71	13 1/2	2,111.13	13 1/2	2,469.51	13 1/2	2,829.52	13 1/2	3,134.51	13 1/2	3,483.26
14	317.79	14	676.94	14	1,037.24	14	1,397.78	14	1,758.22	14	2,118.64	14	2,477.02	14	2,837.02	14	3,139.96	14	3,488.46
14 1/4	325.09	14 1/4	684.43	14 1/4	1,044.75	14 1/4	1,405.29	14 1/4	1,765.73	14 1/4	2,126.15	14 1/4	2,484.53	14 1/4	2,844.51	14 1/4	3,145.41	14 1/4	3,493.65
14 1/2	332.39	14 1/2	691.93	14 1/2	1,052.26	14 1/2	1,412.80	14 1/2	1,773.24	14 1/2	2,133.65	14 1/2	2,492.04	14 1/2	2,852.01	14 1/2	3,150.89	14 1/2	3,498.81
15	339.70	15	699.43	15	1,059.77	15	1,420.30	15	1,780.75	15	2,141.16	15	2,499.55	15	2,859.51	15	3,156.35	15	3,503.96
15 1/4	347.00	15 1/4	706.92	15 1/4	1,067.29	15 1/4	1,427.81	15 1/4	1,788.26	15 1/4	2,148.67	15 1/4	2,507.05	15 1/4	2,867.01	15 1/4	3,161.81	15 1/4	3,509.12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NIPMS 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" DIAMETER STANDPIPE.  
GAUGE POINT: (MANUAL) LOCATED 12'-04" OFF CENTERLINE AND 52'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
http://www.pma-inc.net



Barge EMS 3045  
Enterprise Marine  
Services LLC

3 PORT  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	3,514.28	0	3,749.81	0	3,963.38	0	4,154.61	0		0		0		0		0		0	
1/4	3,519.39	1/4	3,754.46	1/4	3,967.57	1/4	4,158.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,524.51	1/2	3,759.11	1/2	3,971.76	1/2	4,162.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,529.62	3/4	3,763.76	3/4	3,975.95	3/4	4,165.73	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,534.74	1	3,768.41	1	3,980.15	1	4,169.44	1		1		1		1		1		1	
1/4	3,539.82	1/4	3,773.04	1/4	3,984.30	1/4	4,173.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,544.90	1/2	3,777.66	1/2	3,988.46	1/2	4,176.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,549.98	3/4	3,782.28	3/4	3,992.62	3/4	4,180.47	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,555.06	2	3,786.90	2	3,996.78	2	4,184.15	2		2		2		2		2		2	
1/4	3,560.11	1/4	3,791.48	1/4	4,000.89	1/4	4,187.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,565.16	1/2	3,796.07	1/2	4,005.00	1/2	4,191.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,570.21	3/4	3,800.65	3/4	4,009.12	3/4	4,195.04	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,575.26	3	3,805.23	3	4,013.23	3	4,198.67	3		3		3		3		3		3	
1/4	3,580.26	1/4	3,809.77	1/4	4,017.31	1/4	4,202.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,585.26	1/2	3,814.32	1/2	4,021.39	1/2	4,205.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,590.26	3/4	3,818.86	3/4	4,025.47	3/4	4,209.46	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,595.27	4	3,823.41	4	4,029.55	4	4,213.06	4		4		4		4		4		4	
1/4	3,600.24	1/4	3,827.92	1/4	4,033.58	1/4	4,218.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,605.21	1/2	3,832.44	1/2	4,037.62	1/2	4,222.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,610.17	3/4	3,836.95	3/4	4,041.65	3/4	4,226.58	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,615.14	5	3,841.47	5	4,045.69	5	4,230.75	5		5		5		5		5		5	
1/4	3,620.07	1/4	3,845.94	1/4	4,049.70	1/4	4,234.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,624.99	1/2	3,850.40	1/2	4,053.71	1/2	4,239.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,629.92	3/4	3,854.87	3/4	4,057.72	3/4	4,243.27	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,634.84	6	3,859.34	6	4,061.73	6	4,247.45	6		6		6		6		6		6	
1/4	3,639.73	1/4	3,863.77	1/4	4,065.70	1/4	4,251.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,644.63	1/2	3,868.21	1/2	4,069.68	1/2	4,255.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,649.52	3/4	3,872.64	3/4	4,073.66	3/4	4,259.97	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,654.41	7	3,877.08	7	4,077.64	7	4,264.14	7		7		7		7		7		7	
1/4	3,659.25	1/4	3,881.47	1/4	4,081.57	1/4	4,268.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,664.10	1/2	3,885.86	1/2	4,085.50	1/2	4,272.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,668.95	3/4	3,890.25	3/4	4,089.43	3/4	4,276.67	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,673.80	8	3,894.64	8	4,093.36	8	4,280.84	8		8		8		8		8		8	
1/4	3,678.60	1/4	3,898.99	1/4	4,097.26	1/4	4,301.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,683.41	1/2	3,903.35	1/2	4,101.16	1/2	4,305.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,688.21	3/4	3,907.70	3/4	4,105.05	3/4	4,311.37	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,693.02	9	3,912.05	9	4,108.95	9	4,316.55	9		9		9		9		9		9	
1/4	3,697.79	1/4	3,916.36	1/4	4,112.80	1/4	4,322.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,702.57	1/2	3,920.67	1/2	4,116.66	1/2	4,329.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,707.34	3/4	3,924.99	3/4	4,120.51	3/4	4,335.53	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,712.12	10	3,929.30	10	4,124.37	10	4,341.86	10		10		10		10		10		10	
1/4	3,716.85	1/4	3,933.57	1/4	4,128.18	1/4	4,347.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,721.57	1/2	3,937.85	1/2	4,132.00	1/2	4,353.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,726.30	3/4	3,942.12	3/4	4,135.82	3/4	4,358.66	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,731.03	11	3,946.40	11	4,139.64	11	4,364.26	11		11		11		11		11		11	
1/4	3,735.73	1/4	3,950.64	1/4	4,143.38	1/4				1/4		1/4		1/4		1/4		1/4	
1/2	3,740.42	1/2	3,954.89	1/2	4,147.13	1/2				1/2		1/2		1/2		1/2		1/2	
3/4	3,745.12	3/4	3,959.14	3/4	4,150.87	3/4				3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/29/2010 CL - SW  
CALCULATED: 06/29/2010 CL  
PRINTED: 06/29/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2010

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmtacorp.net



Barge EMS 3045  
Enterprise Marine  
Services LLC

3 STBD  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 3/4"

IN	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.
0	15.42	0	353.88	0	704.33	0	1,059.49	0	1,419.23	0	1,777.40	0	2,136.85	0	2,494.22	0	2,853.40	0	3,211.52
1/4	20.12	1/4	361.38	1/4	711.53	1/4	1,066.99	1/4	1,426.72	1/4	1,784.86	1/4	2,144.21	1/4	2,501.68	1/4	2,860.87	1/4	3,219.97
1/2	24.81	1/2	368.88	1/2	718.73	1/2	1,074.48	1/2	1,434.32	1/2	1,792.31	1/2	2,151.58	1/2	2,509.15	1/2	2,868.37	1/2	3,226.41
3/4	29.51	3/4	376.38	3/4	725.92	3/4	1,081.98	3/4	1,441.71	3/4	1,799.76	3/4	2,158.94	3/4	2,516.62	3/4	2,875.85	3/4	3,233.86
1	34.21	1	383.88	1	733.12	1	1,089.47	1	1,449.20	1	1,807.22	1	2,166.31	1	2,524.09	1	2,883.34	1	3,241.31
1/4	40.77	1/4	391.38	1/4	740.32	1/4	1,096.97	1/4	1,456.70	1/4	1,814.67	1/4	2,173.68	1/4	2,531.58	1/4	2,890.82	1/4	3,248.77
1/2	47.33	1/2	398.88	1/2	747.51	1/2	1,104.46	1/2	1,464.19	1/2	1,822.12	1/2	2,182.05	1/2	2,539.07	1/2	2,898.31	1/2	3,256.24
3/4	53.90	3/4	406.38	3/4	754.71	3/4	1,111.96	3/4	1,471.68	3/4	1,829.58	3/4	2,188.42	3/4	2,546.56	3/4	2,905.79	3/4	3,263.70
2	60.46	2	413.88	2	761.90	2	1,119.45	2	1,479.18	2	1,837.03	2	2,196.79	2	2,554.05	2	2,913.27	2	3,271.16
1/4	67.96	1/4	421.38	1/4	769.11	1/4	1,126.95	1/4	1,486.65	1/4	1,844.51	1/4	2,203.15	1/4	2,561.53	1/4	2,920.76	1/4	3,278.62
1/2	75.47	1/2	428.88	1/2	776.31	1/2	1,134.44	1/2	1,494.12	1/2	1,851.98	1/2	2,210.51	1/2	2,569.01	1/2	2,928.24	1/2	3,286.08
3/4	82.97	3/4	436.38	3/4	783.51	3/4	1,141.94	3/4	1,501.60	3/4	1,859.46	3/4	2,217.87	3/4	2,576.50	3/4	2,935.73	3/4	3,293.55
3	90.47	3	443.89	3	790.72	3	1,149.43	3	1,508.07	3	1,866.94	3	2,225.22	3	2,583.98	3	2,943.21	3	3,301.01
1/4	97.97	1/4	451.39	1/4	797.95	1/4	1,156.93	1/4	1,516.52	1/4	1,874.43	1/4	2,232.58	1/4	2,591.47	1/4	2,950.69	1/4	3,307.34
1/2	105.47	1/2	458.89	1/2	805.18	1/2	1,164.42	1/2	1,523.98	1/2	1,881.93	1/2	2,239.94	1/2	2,598.95	1/2	2,958.18	1/2	3,313.67
3/4	112.98	3/4	466.39	3/4	812.41	3/4	1,171.92	3/4	1,531.88	3/4	1,889.43	3/4	2,247.30	3/4	2,606.43	3/4	2,965.66	3/4	3,320.00
4	120.48	4	473.89	4	819.65	4	1,179.41	4	1,538.88	4	1,896.93	4	2,254.66	4	2,613.92	4	2,973.15	4	3,326.32
1/4	127.77	1/4	481.12	1/4	827.14	1/4	1,186.91	1/4	1,546.34	1/4	1,904.43	1/4	2,262.16	1/4	2,621.40	1/4	2,980.59	1/4	3,331.50
1/2	135.07	1/2	488.36	1/2	834.64	1/2	1,194.40	1/2	1,553.79	1/2	1,911.93	1/2	2,269.66	1/2	2,628.89	1/2	2,988.04	1/2	3,336.68
3/4	142.36	3/4	495.59	3/4	842.13	3/4	1,201.90	3/4	1,561.24	3/4	1,919.43	3/4	2,277.16	3/4	2,636.37	3/4	2,995.49	3/4	3,341.86
5	149.66	5	502.83	5	849.63	5	1,209.39	5	1,568.70	5	1,926.92	5	2,284.66	5	2,643.85	5	3,002.94	5	3,347.04
1/4	156.95	1/4	510.03	1/4	857.12	1/4	1,216.89	1/4	1,576.15	1/4	1,934.42	1/4	2,292.14	1/4	2,651.34	1/4	3,010.39	1/4	3,352.21
1/2	164.25	1/2	517.23	1/2	864.62	1/2	1,224.38	1/2	1,583.61	1/2	1,941.92	1/2	2,299.63	1/2	2,658.82	1/2	3,017.84	1/2	3,357.39
3/4	171.54	3/4	524.43	3/4	872.11	3/4	1,231.88	3/4	1,591.06	3/4	1,949.42	3/4	2,307.11	3/4	2,666.31	3/4	3,025.29	3/4	3,362.57
6	178.84	6	531.64	6	879.10	6	1,239.38	6	1,598.51	6	1,956.92	6	2,314.60	6	2,673.79	6	3,032.74	6	3,367.75
1/4	186.13	1/4	538.83	1/4	887.10	1/4	1,246.87	1/4	1,605.97	1/4	1,964.42	1/4	2,322.09	1/4	2,681.27	1/4	3,040.19	1/4	3,372.93
1/2	193.42	1/2	546.03	1/2	894.60	1/2	1,254.37	1/2	1,613.42	1/2	1,971.91	1/2	2,329.57	1/2	2,688.76	1/2	3,047.64	1/2	3,378.10
3/4	200.72	3/4	553.23	3/4	902.09	3/4	1,261.86	3/4	1,620.87	3/4	1,979.41	3/4	2,337.06	3/4	2,696.24	3/4	3,055.09	3/4	3,383.28
7	208.01	7	560.42	7	909.59	7	1,269.36	7	1,628.33	7	1,986.91	7	2,344.54	7	2,703.73	7	3,062.53	7	3,388.46
1/4	215.31	1/4	567.62	1/4	917.08	1/4	1,276.85	1/4	1,635.78	1/4	1,994.41	1/4	2,352.03	1/4	2,711.21	1/4	3,069.98	1/4	3,393.67
1/2	222.60	1/2	574.81	1/2	924.58	1/2	1,284.35	1/2	1,643.24	1/2	2,001.91	1/2	2,359.52	1/2	2,718.69	1/2	3,077.43	1/2	3,398.89
3/4	229.89	3/4	582.01	3/4	932.07	3/4	1,291.84	3/4	1,650.69	3/4	2,009.40	3/4	2,367.00	3/4	2,726.18	3/4	3,084.88	3/4	3,404.10
8	237.19	8	589.21	8	939.57	8	1,299.34	8	1,658.14	8	2,016.90	8	2,374.49	8	2,733.66	8	3,092.33	8	3,409.31
1/4	244.48	1/4	596.40	1/4	947.06	1/4	1,306.83	1/4	1,665.60	1/4	2,024.40	1/4	2,381.97	1/4	2,741.14	1/4	3,099.78	1/4	3,414.52
1/2	251.78	1/2	603.60	1/2	954.56	1/2	1,314.32	1/2	1,673.05	1/2	2,031.89	1/2	2,389.46	1/2	2,748.63	1/2	3,107.23	1/2	3,419.74
3/4	259.07	3/4	610.79	3/4	962.05	3/4	1,321.82	3/4	1,680.50	3/4	2,039.39	3/4	2,396.94	3/4	2,756.11	3/4	3,114.68	3/4	3,424.95
9	266.36	9	617.99	9	969.55	9	1,329.31	9	1,687.96	9	2,046.89	9	2,404.43	9	2,763.60	9	3,122.13	9	3,430.16
1/4	273.66	1/4	625.18	1/4	977.05	1/4	1,336.81	1/4	1,695.41	1/4	2,054.38	1/4	2,411.92	1/4	2,771.08	1/4	3,129.58	1/4	3,435.38
1/2	280.95	1/2	632.38	1/2	984.54	1/2	1,344.30	1/2	1,702.86	1/2	2,061.88	1/2	2,419.40	1/2	2,778.56	1/2	3,137.03	1/2	3,440.59
3/4	288.25	3/4	639.57	3/4	992.04	3/4	1,351.80	3/4	1,710.32	3/4	2,069.38	3/4	2,426.89	3/4	2,786.05	3/4	3,144.47	3/4	3,445.80
10	295.54	10	646.77	10	999.53	10	1,359.29	10	1,717.77	10	2,076.88	10	2,434.37	10	2,793.53	10	3,151.92	10	3,451.01
1/4	302.83	1/4	653.96	1/4	1,007.03	1/4	1,366.78	1/4	1,725.23	1/4	2,084.37	1/4	2,441.86	1/4	2,801.02	1/4	3,159.37	1/4	3,456.21
1/2	310.13	1/2	661.16	1/2	1,014.52	1/2	1,374.28	1/2	1,732.68	1/2	2,091.87	1/2	2,449.34	1/2	2,808.50	1/2	3,166.82	1/2	3,461.40
3/4	317.42	3/4	668.35	3/4	1,022.02	3/4	1,381.77	3/4	1,740.13	3/4	2,099.37	3/4	2,456.83	3/4	2,815.98	3/4	3,174.27	3/4	3,466.60
11	324.71	11	675.55	11	1,029.51	11	1,389.26	11	1,747.59	11	2,106.86	11	2,464.32	11	2,823.47	11	3,181.72	11	3,471.79
1/4	332.01	1/4	682.75	1/4	1,037.01	1/4	1,396.75	1/4	1,755.04	1/4	2,114.36	1/4	2,471.79	1/4	2,830.95	1/4	3,189.17	1/4	3,476.95
1/2	339.30	1/2	689.94	1/2	1,044.50	1/2	1,404.25	1/2	1,762.49	1/2	2,121.85	1/2	2,479.27	1/2	2,838.44	1/2	3,196.62	1/2	3,482.11
3/4	346.59	3/4	697.14	3/4	1,052.00	3/4	1,411.74	3/4	1,769.95	3/4	2,129.35	3/4	2,486.74	3/4	2,845.92	3/4	3,204.07	3/4	3,487.27

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" DIAMETER STANDPIPE.  
GAUGE POINT: (MANUAL) LOCATED 12'-04" OFF CENTERLINE AND 52'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmiacorp.net



Barge EMS 3045  
Enterprise Marine  
Services LLC

3 STBD  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I
0	3,492.43	0	3,728.04	0	3,941.68	0	4,132.96	0		0		0		0		0		0	
1/4	3,497.55	1/4	3,732.69	1/4	3,945.87	1/4	4,136.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,502.66	1/2	3,737.35	1/2	3,950.06	1/2	4,140.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,507.78	3/4	3,742.00	3/4	3,954.26	3/4	4,144.09	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,512.80	1	3,746.65	1	3,958.45	1	4,147.80	1		1		1		1		1		1	
1/4	3,517.98	1/4	3,751.28	1/4	3,962.61	1/4	4,151.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,523.06	1/2	3,755.90	1/2	3,966.77	1/2	4,155.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,528.14	3/4	3,760.52	3/4	3,970.93	3/4	4,158.83	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,533.22	2	3,765.15	2	3,975.09	2	4,162.51	2		2		2		2		2		2	
1/4	3,538.27	1/4	3,769.73	1/4	3,979.20	1/4	4,166.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,543.33	1/2	3,774.31	1/2	3,983.31	1/2	4,169.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,548.38	3/4	3,778.89	3/4	3,987.43	3/4	4,173.40	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,553.43	3	3,783.48	3	3,991.54	3	4,177.03	3		3		3		3		3		3	
1/4	3,558.43	1/4	3,788.02	1/4	3,995.62	1/4	4,180.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,563.44	1/2	3,792.57	1/2	3,999.70	1/2	4,184.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,568.44	3/4	3,797.12	3/4	4,003.78	3/4	4,187.82	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,573.45	4	3,801.66	4	4,007.86	4	4,191.42	4		4		4		4		4		4	
1/4	3,578.42	1/4	3,806.18	1/4	4,011.90	1/4	4,196.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,583.39	1/2	3,810.70	1/2	4,015.94	1/2	4,201.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,588.36	3/4	3,815.21	3/4	4,019.98	3/4	4,206.95	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,593.33	5	3,819.73	5	4,024.01	5	4,212.12	5		5		5		5		5		5	
1/4	3,598.26	1/4	3,824.20	1/4	4,028.02	1/4	4,217.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,603.18	1/2	3,828.67	1/2	4,032.03	1/2	4,222.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,608.11	3/4	3,833.14	3/4	4,036.04	3/4	4,227.65	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,613.04	6	3,837.61	6	4,040.05	6	4,232.83	6		6		6		6		6		6	
1/4	3,617.93	1/4	3,842.04	1/4	4,044.03	1/4	4,238.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,622.82	1/2	3,846.48	1/2	4,048.01	1/2	4,243.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,627.71	3/4	3,850.92	3/4	4,051.99	3/4	4,248.35	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,632.61	7	3,855.35	7	4,055.97	7	4,253.53	7		7		7		7		7		7	
1/4	3,637.45	1/4	3,859.74	1/4	4,059.90	1/4	4,258.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,642.30	1/2	3,864.14	1/2	4,063.83	1/2	4,263.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,647.15	3/4	3,868.53	3/4	4,067.76	3/4	4,269.06	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,652.00	8	3,872.92	8	4,071.70	8	4,274.24	8		8		8		8		8		8	
1/4	3,656.81	1/4	3,877.27	1/4	4,075.60	1/4	4,279.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,661.62	1/2	3,881.63	1/2	4,079.49	1/2	4,284.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,666.42	3/4	3,885.98	3/4	4,083.39	3/4	4,289.77	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,671.23	9	3,889.34	9	4,087.29	9	4,294.95	9		9		9		9		9		9	
1/4	3,676.01	1/4	3,894.65	1/4	4,091.15	1/4	4,301.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,680.78	1/2	3,898.96	1/2	4,095.00	1/2	4,307.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,685.56	3/4	3,903.27	3/4	4,098.85	3/4	4,313.94	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,690.34	10	3,907.59	10	4,102.71	10	4,320.27	10		10		10		10		10		10	
1/4	3,695.07	1/4	3,911.86	1/4	4,106.53	1/4	4,325.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,699.80	1/2	3,916.14	1/2	4,110.35	1/2	4,331.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,704.53	3/4	3,920.42	3/4	4,114.17	3/4	4,337.09	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,709.26	11	3,924.69	11	4,117.99	11	4,342.69	11		11		11		11		11		11	
1/4	3,713.95	1/4	3,928.94	1/4	4,121.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,718.65	1/2	3,933.19	1/2	4,125.47	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,723.35	3/4	3,937.43	3/4	4,129.22	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/29/2010 CL - SW  
CALCULATED: 06/29/2010 CL  
PRINTED: 06/29/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2010

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
http://www.pimacorp.net



Barge EMS 3045  
Enterprise Marine  
Services LLC

FUEL TANK  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 5'-00 3/4"

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.
0	0.00	0	1,541.03	0	3,082.06	0	4,623.09	0	6,164.12	0		0		0		0		0	
1/4	32.10	1/4	1,573.14	1/4	3,114.17	1/4	4,655.20	1/4	6,196.23	1/4		1/4		1/4		1/4		1/4	
1/2	64.21	1/2	1,605.24	1/2	3,146.27	1/2	4,687.30	1/2	6,228.33	1/2		1/2		1/2		1/2		1/2	
3/4	96.31	3/4	1,637.34	3/4	3,178.38	3/4	4,719.41	3/4	6,260.44	3/4		3/4		3/4		3/4		3/4	
1	128.42	1	1,669.45	1	3,210.48	1	4,751.51	1	6,292.54	1		1		1		1		1	
1/4	160.52	1/4	1,701.55	1/4	3,242.58	1/4	4,783.62	1/4	6,324.64	1/4		1/4		1/4		1/4		1/4	
1/2	192.63	1/2	1,733.66	1/2	3,274.69	1/2	4,815.72	1/2	6,356.74	1/2		1/2		1/2		1/2		1/2	
3/4	224.73	3/4	1,765.76	3/4	3,306.79	3/4	4,847.82	3/4	6,388.84	3/4		3/4		3/4		3/4		3/4	
2	256.84	2	1,797.87	2	3,338.90	2	4,879.93	2	6,420.93	2		2		2		2		2	
1/4	288.94	1/4	1,829.97	1/4	3,371.00	1/4	4,912.03	1/4	6,453.03	1/4		1/4		1/4		1/4		1/4	
1/2	321.05	1/2	1,862.08	1/2	3,403.11	1/2	4,944.14	1/2	6,485.13	1/2		1/2		1/2		1/2		1/2	
3/4	353.15	3/4	1,894.18	3/4	3,435.21	3/4	4,976.24	3/4	6,517.23	3/4		3/4		3/4		3/4		3/4	
3	385.26	3	1,926.29	3	3,467.32	3	5,008.35	3	6,549.33	3		3		3		3		3	
1/4	417.36	1/4	1,958.39	1/4	3,499.42	1/4	5,040.45	1/4	6,581.43	1/4		1/4		1/4		1/4		1/4	
1/2	449.47	1/2	1,990.50	1/2	3,531.53	1/2	5,072.56	1/2	6,613.53	1/2		1/2		1/2		1/2		1/2	
3/4	481.57	3/4	2,022.60	3/4	3,563.63	3/4	5,104.66	3/4	6,645.62	3/4		3/4		3/4		3/4		3/4	
4	513.68	4	2,054.71	4	3,595.74	4	5,136.77	4	6,677.72	4		4		4		4		4	
1/4	545.78	1/4	2,086.81	1/4	3,627.84	1/4	5,168.87	1/4	6,709.82	1/4		1/4		1/4		1/4		1/4	
1/2	577.89	1/2	2,118.92	1/2	3,659.95	1/2	5,200.98	1/2	6,741.92	1/2		1/2		1/2		1/2		1/2	
3/4	609.99	3/4	2,151.02	3/4	3,692.05	3/4	5,233.08	3/4	6,774.02	3/4		3/4		3/4		3/4		3/4	
5	642.10	5	2,183.13	5	3,724.16	5	5,265.19	5	6,806.12	5		5		5		5		5	
1/4	674.20	1/4	2,215.23	1/4	3,756.26	1/4	5,297.29	1/4	6,838.22	1/4		1/4		1/4		1/4		1/4	
1/2	706.31	1/2	2,247.34	1/2	3,788.37	1/2	5,329.40	1/2	6,870.31	1/2		1/2		1/2		1/2		1/2	
3/4	738.41	3/4	2,279.44	3/4	3,820.47	3/4	5,361.50	3/4	6,902.41	3/4		3/4		3/4		3/4		3/4	
6	770.52	6	2,311.55	6	3,852.58	6	5,393.61	6	6,934.51	6		6		6		6		6	
1/4	802.62	1/4	2,343.65	1/4	3,884.68	1/4	5,425.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	834.72	1/2	2,375.76	1/2	3,916.79	1/2	5,457.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	866.83	3/4	2,407.86	3/4	3,948.89	3/4	5,489.92	3/4		3/4		3/4		3/4		3/4		3/4	
7	898.93	7	2,439.96	7	3,981.00	7	5,522.03	7		7		7		7		7		7	
1/4	931.04	1/4	2,472.07	1/4	4,013.10	1/4	5,554.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	963.14	1/2	2,504.17	1/2	4,045.20	1/2	5,586.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	995.25	3/4	2,536.28	3/4	4,077.31	3/4	5,618.34	3/4		3/4		3/4		3/4		3/4		3/4	
8	1,027.35	8	2,568.38	8	4,109.41	8	5,650.44	8		8		8		8		8		8	
1/4	1,059.46	1/4	2,600.49	1/4	4,141.52	1/4	5,682.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,091.56	1/2	2,632.59	1/2	4,173.62	1/2	5,714.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,123.67	3/4	2,664.70	3/4	4,205.73	3/4	5,746.76	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,155.77	9	2,696.80	9	4,237.83	9	5,778.86	9		9		9		9		9		9	
1/4	1,187.88	1/4	2,728.91	1/4	4,269.94	1/4	5,810.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,219.98	1/2	2,761.01	1/2	4,302.04	1/2	5,843.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,252.09	3/4	2,793.12	3/4	4,334.15	3/4	5,875.18	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,284.19	10	2,825.22	10	4,366.25	10	5,907.28	10		10		10		10		10		10	
1/4	1,316.30	1/4	2,857.33	1/4	4,398.36	1/4	5,939.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,348.40	1/2	2,889.43	1/2	4,430.46	1/2	5,971.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,380.51	3/4	2,921.54	3/4	4,462.57	3/4	6,003.60	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,412.61	11	2,953.64	11	4,494.67	11	6,035.70	11		11		11		11		11		11	
1/4	1,444.72	1/4	2,985.75	1/4	4,526.78	1/4	6,067.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,476.82	1/2	3,017.85	1/2	4,558.88	1/2	6,099.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,508.93	3/4	3,049.96	3/4	4,590.99	3/4	6,132.02	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.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER PIPE.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/29/2010 CL - SW

CALCULATED: 06/29/2010 CL

PRINTED: 06/29/2010 CL

PRECISION MEASUREMENT

& ANALYSIS, INC.

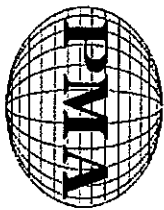
P.O. Box 2092

Pearland, Texas 77588

http://www.pmtacorp.net

CANCELS AND SUPERCEDES

ALL PRIOR TO 06/2010



Barge EMS 3045  
Enterprise Marine  
Services LLC

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	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8
1 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8
2 PORT	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 00-7/8	00-7/8	- 01-1/8	01-1/8
2 STBD	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 00-7/8	00-7/8	- 01-1/8	01-1/8
3 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
3 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8

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

LENGTH BETWEEN DRAFT MARKS: 236'-06"

June 29, 2010

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

<http://www.pmacorp.net>



Barge EMS 3045  
Enterprise Marine  
Services LLC

1 PORT  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 1/2"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	4,279.08	3,983.61	3,703.62	3,403.44	3,083.02	2,752.23	2,422.70	2,092.70	1,762.94
1/4	1/4	4,273.95	3,977.99	3,697.58	3,396.98	3,076.14	2,745.36	2,415.84	2,085.80	1,756.04
1/2	1/2	4,268.82	3,972.37	3,691.54	3,390.52	3,069.25	2,738.50	2,408.97	2,078.90	1,749.14
3/4	3/4	4,261.97	3,966.71	3,685.46	3,384.01	3,062.35	2,731.63	2,402.11	2,072.00	1,742.24
1	1	4,255.11	3,961.06	3,679.39	3,377.50	3,055.45	2,724.77	2,395.24	2,065.10	1,735.34
1 1/4	1 1/4	4,248.26	3,955.40	3,673.31	3,371.00	3,048.56	2,717.90	2,388.38	2,055.20	1,728.44
1 1/2	1 1/2	4,241.40	3,949.75	3,667.24	3,364.49	3,041.66	2,711.04	2,381.51	2,051.30	1,721.54
1 3/4	1 3/4	4,234.55	3,944.05	3,661.12	3,357.96	3,034.76	2,704.17	2,374.65	2,044.40	1,714.64
2	2	4,227.69	3,938.36	3,655.01	3,351.42	3,027.86	2,697.31	2,367.78	2,037.50	1,707.74
2 1/4	2 1/4	4,220.84	3,932.68	3,648.89	3,344.99	3,020.96	2,690.44	2,360.92	2,030.60	1,700.84
2 1/2	2 1/2	4,213.98	3,926.97	3,642.78	3,338.35	3,014.06	2,683.58	2,354.05	2,023.70	1,693.94
2 3/4	2 3/4	4,207.13	3,921.24	3,636.63	3,331.79	3,007.16	2,676.71	2,347.19	2,016.80	1,687.04
3	3	4,200.27	3,915.52	3,630.49	3,325.22	3,000.26	2,669.85	2,340.32	2,009.90	1,680.14
3 1/4	3 1/4	4,193.42	3,909.79	3,624.34	3,318.66	2,993.36	2,662.98	2,333.46	2,003.01	1,673.24
3 1/2	3 1/2	4,186.57	3,904.07	3,618.20	3,312.09	2,986.46	2,656.12	2,326.59	1,996.11	1,666.34
3 3/4	3 3/4	4,179.71	3,898.30	3,612.01	3,305.48	2,979.56	2,649.25	2,319.73	1,989.21	1,659.44
4	4	4,172.86	3,892.53	3,605.82	3,298.88	2,972.66	2,642.39	2,312.86	1,982.31	1,652.54
4 1/4	4 1/4	4,166.00	3,886.76	3,599.64	3,292.27	2,965.76	2,635.52	2,306.00	1,975.41	1,645.64
4 1/2	4 1/2	4,159.15	3,880.99	3,593.45	3,285.67	2,958.86	2,628.66	2,299.13	1,968.51	1,638.74
4 3/4	4 3/4	4,152.29	3,875.19	3,587.23	3,279.03	2,951.97	2,621.79	2,292.27	1,961.61	1,631.84
5	5	4,145.44	3,869.40	3,581.02	3,272.39	2,945.07	2,614.93	2,285.40	1,954.71	1,624.94
5 1/4	5 1/4	4,138.58	3,863.60	3,574.80	3,265.75	2,938.17	2,608.06	2,278.54	1,947.81	1,618.04
5 1/2	5 1/2	4,131.73	3,857.80	3,568.58	3,259.12	2,931.27	2,601.20	2,271.67	1,940.91	1,611.14
5 3/4	5 3/4	4,124.87	3,851.97	3,562.32	3,252.44	2,924.37	2,594.33	2,264.81	1,934.01	1,604.24
6	6	4,118.02	3,846.15	3,556.06	3,245.76	2,917.47	2,587.46	2,257.94	1,927.11	1,597.34
6 1/4	6 1/4	4,111.16	3,840.32	3,549.80	3,239.08	2,910.57	2,580.60	2,251.08	1,920.21	1,590.44
6 1/2	6 1/2	4,104.31	3,834.49	3,543.54	3,232.40	2,903.67	2,573.73	2,244.21	1,913.31	1,583.54
6 3/4	6 3/4	4,098.90	3,828.62	3,537.25	3,225.69	2,896.77	2,566.87	2,237.34	1,906.50	1,576.64
7	7	4,093.50	3,822.75	3,530.96	3,218.99	2,889.87	2,560.00	2,230.48	1,899.69	1,569.74
7 1/4	7 1/4	4,088.09	3,816.88	3,524.67	3,212.28	2,882.97	2,553.14	2,223.61	1,892.88	1,562.84
7 1/2	7 1/2	4,082.69	3,811.01	3,518.39	3,205.57	2,876.07	2,546.27	2,216.75	1,886.07	1,555.94
7 3/4	7 3/4	4,077.26	3,805.11	3,512.07	3,198.82	2,869.17	2,539.41	2,209.88	1,879.26	1,549.04
8	8	4,071.82	3,799.21	3,505.74	3,192.06	2,862.27	2,532.54	2,203.02	1,872.45	1,542.14
8 1/4	8 1/4	4,066.38	3,793.31	3,499.42	3,185.31	2,855.37	2,525.68	2,196.15	1,865.64	1,535.24
8 1/2	8 1/2	4,060.95	3,787.41	3,493.10	3,178.56	2,848.48	2,518.81	2,189.29	1,858.82	1,528.34
8 3/4	8 3/4	4,055.47	3,781.47	3,486.74	3,171.78	2,841.58	2,511.95	2,182.39	1,852.01	1,521.44
9	9	4,049.99	3,775.53	3,480.38	3,165.00	2,834.68	2,505.08	2,175.49	1,845.20	1,514.54
9 1/4	9 1/4	4,044.51	3,769.59	3,474.02	3,158.22	2,827.78	2,498.22	2,168.59	1,838.39	1,507.64
9 1/2	9 1/2	4,039.04	3,763.65	3,467.65	3,151.44	2,820.88	2,491.35	2,161.69	1,831.58	1,500.74
9 3/4	9 3/4	4,033.53	3,757.68	3,461.27	3,144.63	2,814.01	2,484.49	2,154.79	1,824.77	1,493.84
10	10	4,028.02	3,751.71	3,454.88	3,137.82	2,807.15	2,477.62	2,147.89	1,817.96	1,486.94
10 1/4	10 1/4	4,022.52	3,745.74	3,448.49	3,131.01	2,800.28	2,470.76	2,140.99	1,811.15	1,480.04
10 1/2	10 1/2	4,017.01	3,739.76	3,442.12	3,124.19	2,793.42	2,463.89	2,134.09	1,804.34	1,473.15
10 3/4	10 3/4	4,011.47	3,733.75	3,435.67	3,117.34	2,786.55	2,456.93	2,127.19	1,797.44	1,466.25
11	11	4,005.93	3,727.74	3,429.23	3,110.49	2,779.69	2,450.16	2,120.30	1,790.54	1,459.35
11 1/4	11 1/4	4,000.39	3,721.72	3,422.80	3,103.64	2,772.82	2,443.30	2,113.40	1,783.64	1,452.45
11 1/2	11 1/2	3,994.86	3,715.71	3,416.37	3,096.79	2,765.96	2,436.43	2,106.50	1,776.74	1,445.55
11 3/4	11 3/4	3,989.23	3,709.66	3,409.90	3,089.90	2,759.09	2,429.57	2,099.60	1,769.84	1,438.65

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 TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.  
GAUGE POINT: (HERMETIC) LOCATED 12'-04" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092  
Portland, Texas 77586  
http://www.pmaacorp.net





Barge EMS 3045  
Enterprise Marine  
Services LLC

1 PORT  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	1,431.75	0	1,101.92	0	787.95	0	493.71	0	220.15	0	0	0	0	0	0	0	0	0	0
1/4	1,424.85	1/4	1,095.17	1/4	781.61	1/4	487.80	1/4	214.82	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,417.95	1/2	1,088.43	1/2	775.27	1/2	481.90	1/2	209.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,411.05	3/4	1,081.71	3/4	768.97	3/4	476.02	3/4	204.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,404.15	1	1,075.00	1	762.68	1	470.14	1	198.89	1	1	1	1	1	1	1	1	1	1
1/4	1,397.25	1/4	1,068.28	1/4	756.38	1/4	464.26	1/4	193.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,390.35	1/2	1,061.57	1/2	750.08	1/2	458.38	1/2	188.29	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,383.45	3/4	1,054.90	3/4	743.81	3/4	452.53	3/4	183.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,376.55	2	1,048.23	2	737.55	2	446.69	2	177.74	2	2	2	2	2	2	2	2	2	2
1/4	1,369.65	1/4	1,041.56	1/4	731.28	1/4	440.84	1/4	172.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,362.75	1/2	1,034.89	1/2	725.01	1/2	434.99	1/2	167.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,355.85	3/4	1,028.25	3/4	718.77	3/4	429.17	3/4	161.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,348.95	3	1,021.61	3	712.53	3	423.35	3	156.73	3	3	3	3	3	3	3	3	3	3
1/4	1,342.05	1/4	1,014.97	1/4	706.30	1/4	417.53	1/4	151.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,335.15	1/2	1,008.33	1/2	700.06	1/2	411.72	1/2	146.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,328.25	3/4	1,001.71	3/4	693.85	3/4	405.93	3/4	141.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,321.35	4	995.10	4	687.65	4	400.15	4	135.84	4	4	4	4	4	4	4	4	4	4
1/4	1,314.45	1/4	988.49	1/4	681.44	1/4	394.36	1/4	130.64	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,307.55	1/2	981.88	1/2	675.23	1/2	388.58	1/2	125.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,300.65	3/4	975.31	3/4	669.06	3/4	382.82	3/4	120.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,293.75	5	968.73	5	662.89	5	377.06	5	115.11	5	5	5	5	5	5	5	5	5	5
1/4	1,286.85	1/4	962.15	1/4	656.72	1/4	371.30	1/4	109.96	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,279.95	1/2	955.57	1/2	650.54	1/2	365.54	1/2	104.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,273.05	3/4	949.03	3/4	644.41	3/4	359.82	3/4	99.67	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,266.15	6	942.48	6	638.27	6	354.10	6	94.54	6	6	6	6	6	6	6	6	6	6
1/4	1,259.25	1/4	935.94	1/4	632.13	1/4	348.38	1/4	89.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,252.35	1/2	929.40	1/2	625.99	1/2	342.66	1/2	84.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,245.45	3/4	922.90	3/4	619.89	3/4	336.96	3/4	78.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,238.55	7	916.40	7	613.80	7	331.27	7	73.70	7	7	7	7	7	7	7	7	7	7
1/4	1,231.65	1/4	909.90	1/4	607.70	1/4	325.58	1/4	68.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,224.75	1/2	903.41	1/2	601.60	1/2	319.88	1/2	63.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,217.85	3/4	896.94	3/4	595.55	3/4	314.22	3/4	57.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,210.95	8	890.47	8	589.49	8	308.55	8	52.60	8	8	8	8	8	8	8	8	8	8
1/4	1,204.05	1/4	884.00	1/4	583.43	1/4	302.89	1/4	47.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,197.15	1/2	877.53	1/2	577.37	1/2	297.23	1/2	42.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,190.31	3/4	871.09	3/4	571.35	3/4	291.60	3/4	37.72	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,183.47	9	864.65	9	565.33	9	285.96	9	33.35	9	9	9	9	9	9	9	9	9	9
1/4	1,176.63	1/4	858.21	1/4	559.31	1/4	280.33	1/4	28.99	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,169.78	1/2	851.77	1/2	553.29	1/2	274.70	1/2	24.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,162.97	3/4	845.36	3/4	547.30	3/4	269.11	3/4	22.02	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,156.16	10	838.95	10	541.32	10	263.51	10	19.41	10	10	10	10	10	10	10	10	10	10
1/4	1,149.34	1/4	832.54	1/4	535.33	1/4	257.91	1/4	16.81	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,142.53	1/2	826.14	1/2	529.34	1/2	252.31	1/2	14.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,135.75	3/4	819.76	3/4	523.39	3/4	246.94	3/4	11.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,128.97	11	813.39	11	517.43	11	241.56	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1,122.19	1/4	807.01	1/4	511.48	1/4	236.19	1/4	11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,115.41	1/2	800.64	1/2	505.53	1/2	230.81	1/2	11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,108.67	3/4	794.30	3/4	499.62	3/4	225.48	3/4	11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/29/2010 CL - SW  
CALCULATED: 06/29/2010 CL  
PRINTED: 06/29/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2010

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



Barge EMS 3045  
Enterprise Marine  
Services LLC

1 STBD  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
0	1	4,284.21	0	3,989.99	0	3,711.11	0	3,412.05	0	3,092.77	0	2,762.24	0	2,433.02	0	2,103.39	0	1,773.92	0
1/4	1/4	4,279.08	1/4	3,984.37	1/4	3,705.07	1/4	3,405.60	1/4	3,085.89	1/4	2,755.39	1/4	2,426.16	1/4	2,096.49	1/4	1,767.03	1/4
1/2	1/2	4,273.95	1/2	3,978.75	1/2	3,699.04	1/2	3,399.14	1/2	3,079.01	1/2	2,748.53	1/2	2,419.30	1/2	2,089.60	1/2	1,760.14	1/2
3/4	3/4	4,268.82	3/4	3,973.14	3/4	3,693.00	3/4	3,392.68	3/4	3,072.14	3/4	2,741.67	3/4	2,412.45	3/4	2,087.71	3/4	1,753.24	3/4
1	1	4,263.70	1	3,967.82	1	3,686.96	1	3,386.23	1	3,065.26	1	2,734.81	1	2,405.59	1	2,078.82	1	1,746.35	1
1/4	1/4	4,258.85	1/4	3,962.37	1/4	3,681.89	1/4	3,379.73	1/4	3,058.47	1/4	2,727.95	1/4	2,398.73	1/4	2,068.92	1/4	1,739.46	1/4
1/2	1/2	4,253.15	1/2	3,956.22	1/2	3,674.82	1/2	3,373.23	1/2	3,051.47	1/2	2,721.09	1/2	2,391.87	1/2	2,062.03	1/2	1,732.56	1/2
3/4	3/4	4,243.15	3/4	3,950.57	3/4	3,668.75	3/4	3,366.73	3/4	3,044.58	3/4	2,714.23	3/4	2,385.01	3/4	2,055.14	3/4	1,725.67	3/4
2	2	4,236.30	2	3,944.33	2	3,662.69	2	3,360.23	2	3,037.69	2	2,707.37	2	2,378.15	2	2,048.24	2	1,718.78	2
1/4	1/4	4,229.45	1/4	3,939.24	1/4	3,656.58	1/4	3,353.70	1/4	3,030.79	1/4	2,700.51	1/4	2,371.29	1/4	2,041.35	1/4	1,711.88	1/4
1/2	1/2	4,222.61	1/2	3,933.55	1/2	3,650.47	1/2	3,347.17	1/2	3,023.90	1/2	2,693.66	1/2	2,364.43	1/2	2,034.46	1/2	1,704.99	1/2
3/4	3/4	4,215.76	3/4	3,927.86	3/4	3,644.36	3/4	3,340.64	3/4	3,017.01	3/4	2,686.80	3/4	2,357.57	3/4	2,027.56	3/4	1,698.10	3/4
3	3	4,208.91	3	3,922.17	3	3,638.25	3	3,334.11	3	3,010.12	3	2,679.94	3	2,350.72	3	2,020.67	3	1,691.20	3
1/4	1/4	4,202.06	1/4	3,916.45	1/4	3,632.11	1/4	3,327.55	1/4	3,003.22	1/4	2,673.08	1/4	2,343.86	1/4	2,013.78	1/4	1,684.31	1/4
1/2	1/2	4,195.21	1/2	3,910.73	1/2	3,625.97	1/2	3,320.99	1/2	2,996.33	1/2	2,666.22	1/2	2,337.00	1/2	2,006.88	1/2	1,677.41	1/2
3/4	3/4	4,188.36	3/4	3,905.01	3/4	3,619.83	3/4	3,314.43	3/4	2,989.44	3/4	2,659.36	3/4	2,330.14	3/4	1,999.99	3/4	1,670.52	3/4
4	4	4,181.51	4	3,899.29	4	3,613.69	4	3,307.87	4	2,982.54	4	2,652.50	4	2,323.28	4	1,993.10	4	1,663.63	4
1/4	1/4	4,174.67	1/4	3,893.52	1/4	3,607.51	1/4	3,301.27	1/4	2,975.65	1/4	2,645.64	1/4	2,316.42	1/4	1,986.21	1/4	1,656.73	1/4
1/2	1/2	4,167.82	1/2	3,887.76	1/2	3,601.33	1/2	3,294.67	1/2	2,968.76	1/2	2,638.79	1/2	2,309.56	1/2	1,979.31	1/2	1,649.84	1/2
3/4	3/4	4,160.97	3/4	3,882.00	3/4	3,595.15	3/4	3,288.07	3/4	2,961.87	3/4	2,631.93	3/4	2,302.70	3/4	1,972.42	3/4	1,642.95	3/4
5	5	4,154.12	5	3,876.23	5	3,589.97	5	3,281.47	5	2,954.97	5	2,625.07	5	2,295.85	5	1,965.53	5	1,636.05	5
1/4	1/4	4,147.27	1/4	3,870.44	1/4	3,582.76	1/4	3,274.84	1/4	2,948.08	1/4	2,618.21	1/4	2,288.99	1/4	1,958.63	1/4	1,629.16	1/4
1/2	1/2	4,140.42	1/2	3,864.65	1/2	3,576.55	1/2	3,268.21	1/2	2,941.19	1/2	2,611.35	1/2	2,282.13	1/2	1,951.74	1/2	1,622.27	1/2
3/4	3/4	4,133.58	3/4	3,858.86	3/4	3,570.34	3/4	3,261.58	3/4	2,934.29	3/4	2,604.49	3/4	2,275.27	3/4	1,944.85	3/4	1,615.37	3/4
6	6	4,126.73	6	3,853.07	6	3,564.12	6	3,254.95	6	2,927.40	6	2,597.63	6	2,268.47	6	1,937.95	6	1,608.48	6
1/4	1/4	4,119.88	1/4	3,847.25	1/4	3,557.87	1/4	3,248.28	1/4	2,920.51	1/4	2,590.77	1/4	2,261.55	1/4	1,931.06	1/4	1,601.59	1/4
1/2	1/2	4,113.03	1/2	3,841.42	1/2	3,551.61	1/2	3,241.60	1/2	2,913.62	1/2	2,583.92	1/2	2,254.69	1/2	1,924.17	1/2	1,594.69	1/2
3/4	3/4	4,106.18	3/4	3,835.60	3/4	3,545.36	3/4	3,234.93	3/4	2,906.72	3/4	2,577.06	3/4	2,247.83	3/4	1,917.27	3/4	1,587.80	3/4
7	7	4,099.33	7	3,829.78	7	3,539.11	7	3,228.26	7	2,899.83	7	2,570.20	7	2,240.98	7	1,910.38	7	1,580.91	7
1/4	1/4	4,093.93	1/4	3,823.91	1/4	3,532.82	1/4	3,221.56	1/4	2,892.94	1/4	2,563.34	1/4	2,234.12	1/4	1,903.58	1/4	1,574.01	1/4
1/2	1/2	4,088.54	1/2	3,818.05	1/2	3,526.54	1/2	3,214.85	1/2	2,886.04	1/2	2,556.48	1/2	2,227.26	1/2	1,896.77	1/2	1,567.12	1/2
3/4	3/4	4,083.14	3/4	3,812.19	3/4	3,520.28	3/4	3,208.15	3/4	2,879.15	3/4	2,549.62	3/4	2,220.40	3/4	1,889.97	3/4	1,560.23	3/4
8	8	4,077.74	8	3,806.33	8	3,513.98	8	3,201.45	8	2,872.26	8	2,542.76	8	2,213.54	8	1,883.16	8	1,553.33	8
1/4	1/4	4,072.31	1/4	3,800.43	1/4	3,507.66	1/4	3,194.70	1/4	2,865.36	1/4	2,535.90	1/4	2,206.68	1/4	1,876.35	1/4	1,546.44	1/4
1/2	1/2	4,066.88	1/2	3,794.54	1/2	3,501.35	1/2	3,187.96	1/2	2,858.47	1/2	2,529.04	1/2	2,199.82	1/2	1,869.55	1/2	1,539.55	1/2
3/4	3/4	4,061.45	3/4	3,788.64	3/4	3,495.03	3/4	3,181.21	3/4	2,851.58	3/4	2,522.19	3/4	2,192.96	3/4	1,862.74	3/4	1,532.65	3/4
9	9	4,056.02	9	3,782.75	9	3,488.72	9	3,174.47	9	2,844.69	9	2,515.33	9	2,186.10	9	1,855.94	9	1,525.76	9
1/4	1/4	4,050.54	1/4	3,776.81	1/4	3,482.36	1/4	3,167.69	1/4	2,837.79	1/4	2,508.47	1/4	2,179.21	1/4	1,849.13	1/4	1,518.87	1/4
1/2	1/2	4,045.07	1/2	3,770.88	1/2	3,476.01	1/2	3,160.92	1/2	2,830.90	1/2	2,501.61	1/2	2,172.32	1/2	1,842.33	1/2	1,511.97	1/2
3/4	3/4	4,039.60	3/4	3,764.94	3/4	3,469.66	3/4	3,154.14	3/4	2,824.01	3/4	2,494.75	3/4	2,165.43	3/4	1,835.52	3/4	1,505.08	3/4
10	10	4,034.13	10	3,759.01	10	3,463.30	10	3,147.37	10	2,817.11	10	2,487.89	10	2,158.53	10	1,828.72	10	1,498.19	10
1/4	1/4	4,028.62	1/4	3,753.04	1/4	3,456.92	1/4	3,140.57	1/4	2,810.26	1/4	2,481.03	1/4	2,151.64	1/4	1,821.91	1/4	1,491.29	1/4
1/2	1/2	4,023.12	1/2	3,747.08	1/2	3,450.53	1/2	3,133.76	1/2	2,803.40	1/2	2,474.17	1/2	2,144.75	1/2	1,815.11	1/2	1,484.40	1/2
3/4	3/4	4,017.62	3/4	3,741.11	3/4	3,444.14	3/4	3,126.95	3/4	2,796.54	3/4	2,466.32	3/4	2,137.85	3/4	1,808.30	3/4	1,477.51	3/4
11	11	4,012.12	11	3,735.14	11	3,437.76	11	3,120.15	11	2,789.68	11	2,460.46	11	2,130.96	11	1,801.50	11	1,470.61	11
1/4	1/4	4,006.59	1/4	3,729.14	1/4	3,431.33	1/4	3,113.30	1/4	2,782.82	1/4	2,453.60	1/4	2,124.07	1/4	1,794.60	1/4	1,463.72	1/4
1/2	1/2	4,001.06	1/2	3,723.13	1/2	3,424.91	1/2	3,106.46	1/2	2,775.96	1/2	2,446.74	1/2	2,117.17	1/2	1,787.71	1/2	1,456.83	1/2
3/4	3/4	3,995.52	3/4	3,717.12	3/4	3,418.48	3/4	3,099.61	3/4	2,769.10	3/4	2,439.88	3/4	2,110.28	3/4	1,780.82	3/4	1,449.93	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IPMS 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 TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.  
GAUGE POINT: (HERMETIC) LOCATED 12'-04" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 5092

Pearland, Texas 77568

http://www.pmaacorp.net

*Paul J. Pearson*



Barge EMS 3045  
Enterprise Marine  
Services LLC

1 STBD  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11"

IN	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	1,443.04	0	1,113.21	0	798.73	0	504.37	0	230.58	0									
1/4	1,436.15	1/4	1,106.47	1/4	792.39	1/4	498.49	1/4	225.26	1/4									
1/2	1,429.25	1/2	1,099.75	1/2	786.06	1/2	492.61	1/2	219.93	1/2									
3/4	1,422.36	3/4	1,092.99	3/4	779.72	3/4	486.73	3/4	214.61	3/4									
1	1,415.47	1	1,086.25	1	773.39	1	480.86	1	209.28	1									
1/4	1,408.57	1/4	1,079.54	1/4	767.09	1/4	475.01	1/4	203.99	1/4									
1/2	1,401.68	1/2	1,072.83	1/2	760.80	1/2	469.16	1/2	198.69	1/2									
3/4	1,394.79	3/4	1,066.13	3/4	754.51	3/4	463.31	3/4	193.39	3/4									
2	1,387.89	2	1,059.42	2	748.22	2	457.46	2	188.10	2									
1/4	1,381.00	1/4	1,052.76	1/4	741.96	1/4	451.64	1/4	182.83	1/4									
1/2	1,374.11	1/2	1,046.09	1/2	735.70	1/2	445.82	1/2	177.57	1/2									
3/4	1,367.21	3/4	1,039.43	3/4	729.44	3/4	440.00	3/4	172.30	3/4									
3	1,360.32	3	1,032.76	3	723.17	3	434.18	3	167.03	3									
1/4	1,353.43	1/4	1,026.13	1/4	716.94	1/4	428.39	1/4	161.80	1/4									
1/2	1,346.53	1/2	1,019.49	1/2	710.71	1/2	422.60	1/2	156.57	1/2									
3/4	1,339.64	3/4	1,012.86	3/4	704.48	3/4	416.82	3/4	151.34	3/4									
4	1,332.74	4	1,006.22	4	698.24	4	411.03	4	146.10	4									
1/4	1,325.85	1/4	999.62	1/4	692.04	1/4	405.27	1/4	140.90	1/4									
1/2	1,318.96	1/2	993.01	1/2	685.84	1/2	399.52	1/2	135.70	1/2									
3/4	1,312.06	3/4	986.41	3/4	679.64	3/4	393.76	3/4	130.51	3/4									
5	1,305.17	5	979.81	5	673.44	5	388.00	5	125.31	5									
1/4	1,298.28	1/4	973.23	1/4	667.28	1/4	382.28	1/4	120.15	1/4									
1/2	1,291.38	1/2	966.66	1/2	661.11	1/2	376.55	1/2	115.00	1/2									
3/4	1,284.49	3/4	960.09	3/4	654.95	3/4	370.82	3/4	109.85	3/4									
6	1,277.60	6	953.52	6	648.78	6	365.09	6	104.69	6									
1/4	1,270.70	1/4	946.98	1/4	642.64	1/4	359.39	1/4	99.57	1/4									
1/2	1,263.81	1/2	940.44	1/2	636.51	1/2	353.70	1/2	94.44	1/2									
3/4	1,256.92	3/4	933.91	3/4	630.38	3/4	348.01	3/4	89.32	3/4									
7	1,250.02	7	927.37	7	624.24	7	342.32	7	84.20	7									
1/4	1,243.13	1/4	920.88	1/4	618.18	1/4	336.63	1/4	79.91	1/4									
1/2	1,236.24	1/2	914.38	1/2	612.11	1/2	330.94	1/2	75.62	1/2									
3/4	1,229.34	3/4	907.89	3/4	606.05	3/4	325.25	3/4	71.34	3/4									
8	1,222.45	8	901.40	8	599.98	8	319.56	8	67.05	8									
1/4	1,215.56	1/4	894.94	1/4	593.95	1/4	313.91	1/4	62.80	1/4									
1/2	1,208.66	1/2	888.48	1/2	587.92	1/2	308.25	1/2	58.54	1/2									
3/4	1,201.77	3/4	882.01	3/4	581.89	3/4	302.59	3/4	54.29	3/4									
9	1,194.88	9	875.55	9	575.86	9	296.93	9	50.04	9									
1/4	1,188.04	1/4	869.12	1/4	569.87	1/4	291.31	1/4	45.79	1/4									
1/2	1,181.20	1/2	862.68	1/2	563.88	1/2	285.68	1/2	41.54	1/2									
3/4	1,174.37	3/4	856.25	3/4	557.89	3/4	280.05	3/4	37.29	3/4									
10	1,167.53	10	849.81	10	551.90	10	274.43	10	33.04	10									
1/4	1,160.73	1/4	843.41	1/4	545.94	1/4	268.84	1/4	28.79	1/4									
1/2	1,153.92	1/2	837.01	1/2	539.98	1/2	263.24	1/2	24.54	1/2									
3/4	1,147.11	3/4	830.61	3/4	534.03	3/4	257.65	3/4	20.29	3/4									
11	1,140.31	11	824.20	11	528.07	11	252.06	11	16.04	11									
1/4	1,133.53	1/4	817.84	1/4	522.14	1/4	246.69	1/4	11.79	1/4									
1/2	1,126.76	1/2	811.47	1/2	516.22	1/2	241.32	1/2	7.54	1/2									
3/4	1,119.99	3/4	805.10	3/4	510.29	3/4	235.95	3/4	3.29	3/4									

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/29/2010 CL - SW  
CALCULATED: 06/29/2010 CL  
PRINTED: 06/29/2010 CL

PRECISION MEASUREMENT

& ANALYSIS, INC.

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2010

P.O. Box 2092  
Pearland, Texas 77588  
http://www.pma.com.net



**Barge EMS 3045**  
**Enterprise Marine**  
**Services LLC**

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GRADE HEIGHT																			
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I
0	0	5,216.20	0	4,870.24	0	4,542.38	0	4,190.91	0	3,815.75	0	3,428.47	0	3,042.69	0	2,656.35	0	2,270.55	0
1/4	1/4	5,210.19	1/4	4,863.65	1/4	4,535.31	1/4	4,183.34	1/4	3,807.69	1/4	3,420.44	1/4	3,034.66	1/4	2,648.27	1/4	2,262.47	1/4
1/2	1/2	5,204.18	1/2	4,857.07	1/2	4,528.23	1/2	4,175.77	1/2	3,799.64	1/2	3,412.40	1/2	3,026.62	1/2	2,640.19	1/2	2,254.39	1/2
3/4	3/4	5,196.16	3/4	4,850.45	3/4	4,521.12	3/4	4,168.16	3/4	3,791.56	3/4	3,404.36	3/4	3,018.58	3/4	2,632.32	3/4	2,246.32	3/4
1	1	5,188.13	1	4,843.82	1	4,514.00	1	4,160.54	1	3,783.48	1	3,396.33	1	3,010.55	1	2,624.04	1	2,238.24	1
1/4	1/4	5,180.11	1/4	4,837.20	1/4	4,506.89	1/4	4,152.92	1/4	3,775.40	1/4	3,388.29	1/4	3,002.51	1/4	2,616.98	1/4	2,230.16	1/4
1/2	1/2	5,172.08	1/2	4,830.58	1/2	4,499.78	1/2	4,145.30	1/2	3,767.33	1/2	3,380.25	1/2	2,994.47	1/2	2,607.86	1/2	2,222.08	1/2
3/4	3/4	5,164.06	3/4	4,823.91	3/4	4,492.62	3/4	4,137.65	3/4	3,759.25	3/4	3,372.21	3/4	2,986.43	3/4	2,599.80	3/4	2,214.01	3/4
2	2	5,156.03	2	4,817.24	2	4,485.46	2	4,130.00	2	3,751.17	2	3,364.18	2	2,978.40	2	2,591.73	2	2,205.93	2
1/4	1/4	5,148.01	1/4	4,810.58	1/4	4,478.30	1/4	4,122.35	1/4	3,743.09	1/4	3,356.14	1/4	2,970.36	1/4	2,583.65	1/4	2,197.85	1/4
1/2	1/2	5,139.98	1/2	4,803.91	1/2	4,471.14	1/2	4,114.70	1/2	3,735.02	1/2	3,348.10	1/2	2,962.32	1/2	2,575.57	1/2	2,189.77	1/2
3/4	3/4	5,131.96	3/4	4,797.20	3/4	4,463.95	3/4	4,107.01	3/4	3,726.94	3/4	3,340.07	3/4	2,954.29	3/4	2,567.49	3/4	2,181.70	3/4
3	3	5,123.93	3	4,790.50	3	4,456.55	3	4,099.34	3	3,718.86	3	3,332.93	3	2,946.25	3	2,559.41	3	2,173.62	3
1/4	1/4	5,115.90	1/4	4,783.79	1/4	4,449.55	1/4	4,091.64	1/4	3,710.78	1/4	3,323.99	1/4	2,938.21	1/4	2,551.34	1/4	2,165.54	1/4
1/2	1/2	5,107.88	1/2	4,777.09	1/2	4,442.36	1/2	4,083.95	1/2	3,702.71	1/2	3,315.96	1/2	2,930.17	1/2	2,543.26	1/2	2,157.46	1/2
3/4	3/4	5,099.85	3/4	4,770.33	3/4	4,435.11	3/4	4,076.22	3/4	3,694.63	3/4	3,307.92	3/4	2,922.14	3/4	2,535.18	3/4	2,149.39	3/4
4	4	5,091.83	4	4,763.58	4	4,427.87	4	4,068.48	4	3,686.55	4	3,299.88	4	2,914.31	4	2,527.10	4	2,141.31	4
1/4	1/4	5,083.80	1/4	4,756.82	1/4	4,420.63	1/4	4,060.75	1/4	3,678.47	1/4	3,291.84	1/4	2,906.06	1/4	2,519.03	1/4	2,133.23	1/4
1/2	1/2	5,075.78	1/2	4,750.07	1/2	4,413.38	1/2	4,053.01	1/2	3,670.40	1/2	3,283.81	1/2	2,898.03	1/2	2,510.95	1/2	2,125.15	1/2
3/4	3/4	5,067.75	3/4	4,743.28	3/4	4,406.10	3/4	4,045.24	3/4	3,662.32	3/4	3,275.77	3/4	2,889.99	3/4	2,502.87	3/4	2,117.07	3/4
5	5	5,059.73	5	4,736.49	5	4,398.82	5	4,037.47	5	3,654.24	5	3,267.73	5	2,881.95	5	2,494.79	5	2,109.00	5
1/4	1/4	5,051.70	1/4	4,729.71	1/4	4,391.54	1/4	4,029.70	1/4	3,646.16	1/4	3,259.70	1/4	2,873.91	1/4	2,486.72	1/4	2,100.92	1/4
1/2	1/2	5,043.68	1/2	4,722.92	1/2	4,384.26	1/2	4,021.93	1/2	3,638.09	1/2	3,251.66	1/2	2,865.88	1/2	2,478.64	1/2	2,092.84	1/2
3/4	3/4	5,035.65	3/4	4,716.09	3/4	4,376.93	3/4	4,014.11	3/4	3,630.01	3/4	3,243.62	3/4	2,857.84	3/4	2,470.56	3/4	2,084.76	3/4
6	6	5,027.62	6	4,709.27	6	4,369.60	6	4,006.29	6	3,621.93	6	3,235.58	6	2,849.80	6	2,462.48	6	2,076.69	6
1/4	1/4	5,019.60	1/4	4,702.44	1/4	4,362.27	1/4	3,998.47	1/4	3,613.85	1/4	3,227.55	1/4	2,841.77	1/4	2,454.41	1/4	2,068.61	1/4
1/2	1/2	5,011.57	1/2	4,695.62	1/2	4,354.94	1/2	3,990.65	1/2	3,605.78	1/2	3,219.51	1/2	2,833.73	1/2	2,446.33	1/2	2,060.53	1/2
3/4	3/4	5,005.25	3/4	4,688.74	3/4	4,347.58	3/4	3,982.80	3/4	3,597.77	3/4	3,211.47	3/4	2,825.69	3/4	2,438.37	3/4	2,052.45	3/4
7	7	4,998.92	7	4,681.87	7	4,340.22	7	3,974.94	7	3,589.62	7	3,203.44	7	2,817.65	7	2,430.41	7	2,040.38	7
1/4	1/4	4,992.59	1/4	4,675.00	1/4	4,332.85	1/4	3,967.09	1/4	3,581.54	1/4	3,195.40	1/4	2,809.62	1/4	2,422.46	1/4	2,036.30	1/4
1/2	1/2	4,986.26	1/2	4,668.13	1/2	4,325.49	1/2	3,959.23	1/2	3,573.47	1/2	3,187.36	1/2	2,801.58	1/2	2,414.50	1/2	2,028.22	1/2
3/4	3/4	4,979.89	3/4	4,661.22	3/4	4,318.09	3/4	3,951.33	3/4	3,565.39	3/4	3,179.32	3/4	2,793.54	3/4	2,406.54	3/4	2,020.14	3/4
8	8	4,973.53	8	4,654.31	8	4,310.69	8	3,943.42	8	3,557.31	8	3,171.29	8	2,785.51	8	2,398.59	8	2,012.07	8
1/4	1/4	4,967.16	1/4	4,647.40	1/4	4,303.29	1/4	3,935.52	1/4	3,549.23	1/4	3,163.25	1/4	2,777.47	1/4	2,390.63	1/4	2,003.99	1/4
1/2	1/2	4,960.80	1/2	4,640.50	1/2	4,295.89	1/2	3,927.61	1/2	3,541.16	1/2	3,155.21	1/2	2,769.43	1/2	2,382.67	1/2	1,995.91	1/2
3/4	3/4	4,954.38	3/4	4,633.54	3/4	4,288.44	3/4	3,919.68	3/4	3,533.08	3/4	3,147.18	3/4	2,761.35	3/4	2,374.74	3/4	1,987.83	3/4
9	9	4,947.97	9	4,626.58	9	4,281.00	9	3,911.74	9	3,525.00	9	3,139.14	9	2,753.28	9	2,366.76	9	1,979.76	9
1/4	1/4	4,941.55	1/4	4,619.63	1/4	4,273.55	1/4	3,903.80	1/4	3,516.92	1/4	3,131.10	1/4	2,745.20	1/4	2,358.80	1/4	1,971.68	1/4
1/2	1/2	4,935.14	1/2	4,612.67	1/2	4,266.12	1/2	3,895.86	1/2	3,508.85	1/2	3,123.06	1/2	2,737.12	1/2	2,350.84	1/2	1,963.60	1/2
3/4	3/4	4,928.69	3/4	4,605.68	3/4	4,258.62	3/4	3,887.89	3/4	3,500.81	3/4	3,115.03	3/4	2,729.04	3/4	2,342.89	3/4	1,955.52	3/4
10	10	4,922.24	10	4,598.69	10	4,251.14	10	3,879.91	10	3,492.77	10	3,106.99	10	2,720.97	10	2,334.93	10	1,947.44	10
1/4	1/4	4,915.79	1/4	4,591.69	1/4	4,243.65	1/4	3,871.94	1/4	3,484.73	1/4	3,098.95	1/4	2,712.89	1/4	2,326.97	1/4	1,939.37	1/4
1/2	1/2	4,909.34	1/2	4,584.70	1/2	4,236.17	1/2	3,863.96	1/2	3,476.70	1/2	3,090.92	1/2	2,704.81	1/2	2,319.01	1/2	1,931.29	1/2
3/4	3/4	4,902.86	3/4	4,577.66	3/4	4,228.64	3/4	3,855.94	3/4	3,468.66	3/4	3,082.88	3/4	2,696.73	3/4	2,310.94	3/4	1,923.21	3/4
11	11	4,896.87	11	4,570.62	11	4,221.11	11	3,847.92	11	3,460.62	11	3,074.84	11	2,688.66	11	2,302.86	11	1,915.13	11
1/4	1/4	4,889.89	1/4	4,563.57	1/4	4,213.57	1/4	3,839.89	1/4	3,452.59	1/4	3,066.80	1/4	2,680.58	1/4	2,294.78	1/4	1,907.06	1/4
1/2	1/2	4,883.40	1/2	4,556.53	1/2	4,206.04	1/2	3,831.87	1/2	3,444.55	1/2	3,050.77	1/2	2,672.50	1/2	2,286.70	1/2	1,899.98	1/2
3/4	3/4	5,222.21	3/4	4,599.46	3/4	4,198.48	3/4	3,823.81	3/4	3,436.51	3/4	3,058.77	3/4	2,664.42	3/4	2,278.63	3/4	1,890.90	3/4

**CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.**

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

GAUGE POINT: (HERMETIC) LOCATED 12'-04" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BUL HEAD CAPACITIVELY ISOLABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.

## PRECISION MEASUREMENT

**& ANALYSIS, INC.**

15 Nov 2003

P.O. BOX 2094

Portland, Texas 77588

**SHEET NO. 5 OF 12**



Barge EMS 3045  
Enterprise Marine  
Services LLC

2 PORT  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	1,882.82	0	1,495.10	0	1,107.37	0	719.91	0	333.85	0		0		0		0		0	
1/4	1,874.75	1/4	1,487.02	1/4	1,099.30	1/4	711.84	1/4	326.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,866.67	1/2	1,478.94	1/2	1,091.22	1/2	703.78	1/2	318.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,858.59	3/4	1,470.87	3/4	1,083.14	3/4	695.72	3/4	310.29	3/4		3/4		3/4		3/4		3/4	
1	1,850.51	1	1,462.79	1	1,075.06	1	687.66	1	302.44	1		1		1		1		1	
1/4	1,842.44	1/4	1,454.71	1/4	1,066.99	1/4	679.60	1/4	294.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,834.36	1/2	1,446.63	1/2	1,058.91	1/2	671.54	1/2	286.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,826.28	3/4	1,438.56	3/4	1,050.83	3/4	663.48	3/4	278.87	3/4		3/4		3/4		3/4		3/4	
2	1,818.20	2	1,430.48	2	1,042.75	2	655.42	2	271.02	2		2		2		2		2	
1/4	1,810.13	1/4	1,422.40	1/4	1,034.68	1/4	647.36	1/4	263.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,802.05	1/2	1,414.32	1/2	1,026.60	1/2	639.30	1/2	255.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,793.97	3/4	1,406.25	3/4	1,018.52	3/4	631.23	3/4	247.46	3/4		3/4		3/4		3/4		3/4	
3	1,785.89	3	1,398.17	3	1,010.44	3	623.17	3	239.60	3		3		3		3		3	
1/4	1,777.82	1/4	1,390.09	1/4	1,002.37	1/4	615.11	1/4	231.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,769.74	1/2	1,382.01	1/2	994.29	1/2	607.05	1/2	223.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,761.66	3/4	1,373.94	3/4	986.21	3/4	598.99	3/4	216.04	3/4		3/4		3/4		3/4		3/4	
4	1,753.58	4	1,365.86	4	978.13	4	590.93	4	208.18	4		4		4		4		4	
1/4	1,745.50	1/4	1,357.78	1/4	970.06	1/4	582.86	1/4	200.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,737.43	1/2	1,349.70	1/2	961.98	1/2	574.80	1/2	192.48	1/2		1/2		1/2		1/2		1/2	
3/4	1,729.35	3/4	1,341.62	3/4	953.90	3/4	566.73	3/4	184.62	3/4		3/4		3/4		3/4		3/4	
5	1,721.27	5	1,333.55	5	945.82	5	558.66	5	176.77	5		5		5		5		5	
1/4	1,713.19	1/4	1,325.47	1/4	937.74	1/4	550.60	1/4	168.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,705.12	1/2	1,317.39	1/2	929.67	1/2	542.53	1/2	161.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,697.04	3/4	1,309.31	3/4	921.59	3/4	534.45	3/4	153.20	3/4		3/4		3/4		3/4		3/4	
6	1,688.96	6	1,301.24	6	913.51	6	526.37	6	145.35	6		6		6		6		6	
1/4	1,680.88	1/4	1,293.16	1/4	905.43	1/4	518.30	1/4	137.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,672.81	1/2	1,285.08	1/2	897.36	1/2	510.22	1/2	129.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,664.73	3/4	1,277.00	3/4	889.28	3/4	502.14	3/4	121.56	3/4		3/4		3/4		3/4		3/4	
7	1,656.65	7	1,268.93	7	881.20	7	494.06	7	113.49	7		7		7		7		7	
1/4	1,648.57	1/4	1,260.85	1/4	873.12	1/4	485.99	1/4	105.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,640.50	1/2	1,252.77	1/2	865.05	1/2	477.91	1/2	97.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,632.42	3/4	1,244.69	3/4	856.98	3/4	469.83	3/4	89.25	3/4		3/4		3/4		3/4		3/4	
8	1,624.34	8	1,236.62	8	848.91	8	461.75	8	81.18	8		8		8		8		8	
1/4	1,616.26	1/4	1,228.54	1/4	840.84	1/4	453.68	1/4	73.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,608.19	1/2	1,220.46	1/2	832.77	1/2	445.60	1/2	65.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,600.11	3/4	1,212.38	3/4	824.71	3/4	437.52	3/4	57.95	3/4		3/4		3/4		3/4		3/4	
9	1,592.03	9	1,204.31	9	816.65	9	429.44	9	50.88	9		9		9		9		9	
1/4	1,583.95	1/4	1,196.23	1/4	808.59	1/4	421.37	1/4	43.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,575.88	1/2	1,188.15	1/2	800.52	1/2	413.29	1/2	36.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,567.80	3/4	1,180.07	3/4	792.46	3/4	405.21	3/4	31.70	3/4		3/4		3/4		3/4		3/4	
10	1,559.72	10	1,172.00	10	784.40	10	397.14	10	26.65	10		10		10		10		10	
1/4	1,551.64	1/4	1,163.92	1/4	776.34	1/4	389.06	1/4	21.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,543.56	1/2	1,155.84	1/2	768.28	1/2	380.98	1/2	16.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,535.49	3/4	1,147.76	3/4	760.22	3/4	373.13	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,527.41	11	1,139.68	11	752.15	11	365.27	11		11		11		11		11		11	
1/4	1,519.33	1/4	1,131.61	1/4	744.09	1/4	357.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,511.25	1/2	1,123.53	1/2	736.03	1/2	349.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,503.18	3/4	1,115.45	3/4	727.97	3/4	341.71	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/29/2010 CL - SW  
CALCULATED: 06/29/2010 CL  
PRINTED: 06/29/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2010

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



Barge EMS 3045  
Enterprise Marine  
Services LLC

2 STBD  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 3/4"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	5,209.34	0	4,863.82	0	4,185.24	0	3,810.42	0	3,422.88
1/4	1/4	5,203.33	1/4	4,857.23	1/4	4,177.64	1/4	3,802.35	1/4	3,414.94
1/2	1/2	5,197.32	1/2	4,850.65	1/2	4,170.07	1/2	3,794.29	1/2	3,406.90
3/4	3/4	5,191.31	3/4	4,844.06	3/4	4,162.50	3/4	3,786.23	3/4	3,398.86
1	1	5,183.28	1	4,837.44	1	4,154.88	1	3,778.15	1	3,390.82
1 1/4	1 1/4	5,175.26	1 1/4	4,830.81	1 1/4	4,147.26	1 1/4	3,770.07	1 1/4	3,382.78
1 1/2	1 1/2	5,167.23	1 1/2	4,824.19	1 1/2	4,139.64	1 1/2	3,761.99	1 1/2	3,374.74
1 3/4	1 3/4	5,159.20	1 3/4	4,817.56	1 3/4	4,132.02	1 3/4	3,753.91	1 3/4	3,366.70
2	2	5,151.17	2	4,810.89	2	4,124.36	2	3,745.83	2	3,358.66
2 1/4	2 1/4	5,143.14	2 1/4	4,804.22	2 1/4	4,116.71	2 1/4	3,737.75	2 1/4	3,350.62
2 1/2	2 1/2	5,135.11	2 1/2	4,797.55	2 1/2	4,109.06	2 1/2	3,729.67	2 1/2	3,342.58
2 3/4	2 3/4	5,127.09	2 3/4	4,790.88	2 3/4	4,101.40	2 3/4	3,721.59	2 3/4	3,334.54
3	3	5,119.06	3	4,784.17	3	4,093.71	3	3,713.51	3	3,326.50
3 1/4	3 1/4	5,111.03	3 1/4	4,777.46	3 1/4	4,086.02	3 1/4	3,705.43	3 1/4	3,318.46
3 1/2	3 1/2	5,103.00	3 1/2	4,770.76	3 1/2	4,078.33	3 1/2	3,697.35	3 1/2	3,310.42
3 3/4	3 3/4	5,094.97	3 3/4	4,764.05	3 3/4	4,070.64	3 3/4	3,689.27	3 3/4	3,302.38
4	4	5,086.95	4	4,757.29	4	4,062.90	4	3,681.19	4	3,294.34
4 1/4	4 1/4	5,078.92	4 1/4	4,750.53	4 1/4	4,055.17	4 1/4	3,673.11	4 1/4	3,286.31
4 1/2	4 1/2	5,070.89	4 1/2	4,743.78	4 1/2	4,047.43	4 1/2	3,665.03	4 1/2	3,278.27
4 3/4	4 3/4	5,062.86	4 3/4	4,737.02	4 3/4	4,039.69	4 3/4	3,656.95	4 3/4	3,270.23
5	5	5,054.83	5	4,730.23	5	4,031.92	5	3,648.87	5	3,262.19
5 1/4	5 1/4	5,046.81	5 1/4	4,723.44	5 1/4	4,024.15	5 1/4	3,640.79	5 1/4	3,254.15
5 1/2	5 1/2	5,038.78	5 1/2	4,716.64	5 1/2	4,016.37	5 1/2	3,632.71	5 1/2	3,246.11
5 3/4	5 3/4	5,030.75	5 3/4	4,709.85	5 3/4	4,008.60	5 3/4	3,624.62	5 3/4	3,238.07
6	6	5,022.72	6	4,703.03	6	4,000.78	6	3,616.54	6	3,230.03
6 1/4	6 1/4	5,014.69	6 1/4	4,696.20	6 1/4	3,992.95	6 1/4	3,608.46	6 1/4	3,221.99
6 1/2	6 1/2	5,006.67	6 1/2	4,689.37	6 1/2	3,985.13	6 1/2	3,600.38	6 1/2	3,213.95
6 3/4	6 3/4	4,998.64	6 3/4	4,682.54	6 3/4	3,977.31	6 3/4	3,592.30	6 3/4	3,205.91
7	7	4,990.61	7	4,675.71	7	3,969.45	7	3,584.22	7	3,197.87
7 1/4	7 1/4	4,982.59	7 1/4	4,668.79	7 1/4	3,961.60	7 1/4	3,576.14	7 1/4	3,189.83
7 1/2	7 1/2	4,974.56	7 1/2	4,661.92	7 1/2	3,953.74	7 1/2	3,568.06	7 1/2	3,181.79
7 3/4	7 3/4	4,966.54	7 3/4	4,655.04	7 3/4	3,945.88	7 3/4	3,559.98	7 3/4	3,173.75
8	8	4,958.51	8	4,648.13	8	3,937.97	8	3,551.90	8	3,165.71
8 1/4	8 1/4	4,950.49	8 1/4	4,641.22	8 1/4	3,930.07	8 1/4	3,543.82	8 1/4	3,157.67
8 1/2	8 1/2	4,942.46	8 1/2	4,634.31	8 1/2	3,922.16	8 1/2	3,535.74	8 1/2	3,149.63
8 3/4	8 3/4	4,934.44	8 3/4	4,627.40	8 3/4	3,914.25	8 3/4	3,527.66	8 3/4	3,141.59
9	9	4,926.41	9	4,620.44	9	3,906.31	9	3,519.58	9	3,133.55
9 1/4	9 1/4	4,918.39	9 1/4	4,613.48	9 1/4	3,898.37	9 1/4	3,511.50	9 1/4	3,125.51
9 1/2	9 1/2	4,910.36	9 1/2	4,606.52	9 1/2	3,890.43	9 1/2	3,503.42	9 1/2	3,117.47
9 3/4	9 3/4	4,902.34	9 3/4	4,599.56	9 3/4	3,882.49	9 3/4	3,495.34	9 3/4	3,109.43
10	10	4,894.31	10	4,592.57	10	3,874.51	10	3,487.30	10	3,101.39
10 1/4	10 1/4	4,886.29	10 1/4	4,585.57	10 1/4	3,866.53	10 1/4	3,479.26	10 1/4	3,093.35
10 1/2	10 1/2	4,878.26	10 1/2	4,578.58	10 1/2	3,858.55	10 1/2	3,471.22	10 1/2	3,085.31
10 3/4	10 3/4	4,870.24	10 3/4	4,571.58	10 3/4	3,850.57	10 3/4	3,463.18	10 3/4	3,077.27
11	11	4,862.21	11	4,564.54	11	3,842.55	11	3,455.14	11	3,069.23
11 1/4	11 1/4	4,854.19	11 1/4	4,557.49	11 1/4	3,834.53	11 1/4	3,447.10	11 1/4	3,061.19
11 1/2	11 1/2	4,846.16	11 1/2	4,549.45	11 1/2	3,826.50	11 1/2	3,439.06	11 1/2	3,053.15
11 3/4	11 3/4	4,838.14	11 3/4	4,541.41	11 3/4	3,818.48	11 3/4	3,431.02	11 3/4	3,045.11
12	12	4,830.11	12	4,533.40	12	3,810.42	12	3,422.88	12	3,037.07
12 1/4	12 1/4	4,822.09	12 1/4	4,525.38	12 1/4	3,802.35	12 1/4	3,414.94	12 1/4	3,029.03
12 1/2	12 1/2	4,814.06	12 1/2	4,517.35	12 1/2	3,794.29	12 1/2	3,406.90	12 1/2	3,020.99
12 3/4	12 3/4	4,806.04	12 3/4	4,509.33	12 3/4	3,786.23	12 3/4	3,398.86	12 3/4	3,012.95
13	13	4,798.01	13	4,501.30	13	3,778.15	13	3,390.82	13	3,004.91
13 1/4	13 1/4	4,790.00	13 1/4	4,493.28	13 1/4	3,770.07	13 1/4	3,382.78	13 1/4	3,000.00
13 1/2	13 1/2	4,782.00	13 1/2	4,485.26	13 1/2	3,761.99	13 1/2	3,374.74	13 1/2	2,996.87
13 3/4	13 3/4	4,774.00	13 3/4	4,477.24	13 3/4	3,753.91	13 3/4	3,366.70	13 3/4	2,993.74
14	14	4,766.00	14	4,469.22	14	3,745.83	14	3,358.66	14	2,990.61
14 1/4	14 1/4	4,758.00	14 1/4	4,461.20	14 1/4	3,737.75	14 1/4	3,350.62	14 1/4	2,987.48
14 1/2	14 1/2	4,750.00	14 1/2	4,453.18	14 1/2	3,729.67	14 1/2	3,342.58	14 1/2	2,984.35
14 3/4	14 3/4	4,742.00	14 3/4	4,445.16	14 3/4	3,721.59	14 3/4	3,334.54	14 3/4	2,981.22
15	15	4,734.00	15	4,437.14	15	3,713.51	15	3,326.50	15	2,978.09
15 1/4	15 1/4	4,726.00	15 1/4	4,429.12	15 1/4	3,705.43	15 1/4	3,318.46	15 1/4	2,974.96
15 1/2	15 1/2	4,718.00	15 1/2	4,421.10	15 1/2	3,697.35	15 1/2	3,310.42	15 1/2	2,971.83
15 3/4	15 3/4	4,710.00	15 3/4	4,413.08	15 3/4	3,689.27	15 3/4	3,302.38	15 3/4	2,968.70
16	16	4,702.00	16	4,405.06	16	3,681.19	16	3,294.34	16	2,965.57
16 1/4	16 1/4	4,694.00	16 1/4	4,397.04	16 1/4	3,673.11	16 1/4	3,286.31	16 1/4	2,962.44
16 1/2	16 1/2	4,686.00	16 1/2	4,389.02	16 1/2	3,665.03	16 1/2	3,278.27	16 1/2	2,959.31
16 3/4	16 3/4	4,678.00	16 3/4	4,381.00	16 3/4	3,656.95	16 3/4	3,270.23	16 3/4	2,956.18
17	17	4,670.00	17	4,373.00	17	3,648.87	17	3,262.19	17	2,953.05
17 1/4	17 1/4	4,662.00	17 1/4	4,365.00	17 1/4	3,640.79	17 1/4	3,254.15	17 1/4	2,950.00
17 1/2	17 1/2	4,654.00	17 1/2	4,357.00	17 1/2	3,632.71	17 1/2	3,246.11	17 1/2	2,946.96
17 3/4	17 3/4	4,646.00	17 3/4	4,349.00	17 3/4	3,624.62	17 3/4	3,238.07	17 3/4	2,943.91
18	18	4,638.00	18	4,341.00	18	3,616.54	18	3,230.03	18	2,940.87
18 1/4	18 1/4	4,630.00	18 1/4	4,333.00	18 1/4	3,608.46	18 1/4	3,221.99	18 1/4	2,937.82
18 1/2	18 1/2	4,622.00	18 1/2	4,325.00	18 1/2	3,600.38	18 1/2	3,213.95	18 1/2	2,934.78
18 3/4	18 3/4	4,614.00	18 3/4	4,317.00	18 3/4	3,592.30	18 3/4	3,205.91	18 3/4	2,931.73
19	19	4,606.00	19	4,309.00	19	3,584.22	19	3,197.87	19	2,928.69
19 1/4	19 1/4	4,598.00	19 1/4	4,301.00	19 1/4	3,576.14	19 1/4	3,189.83	19 1/4	2,925.64
19 1/2	19 1/2	4,590.00	19 1/2	4,293.00	19 1/2	3,568.06	19 1/2	3,181.79	19 1/2	2,922.60
19 3/4	19 3/4	4,582.00	19 3/4	4,285.00	19 3/4	3,559.98	19 3/4	3,173.75	19 3/4	2,919.55
20	20	4,574.00	20	4,277.00	20	3,551.90	20	3,165.71	20	2,916.51
20 1/4	20 1/4	4,566.00	20 1/4	4,269.00	20 1/4	3,543.82	20 1/4	3,157.67	20 1/4	2,913.46
20 1/2	20 1/2	4,558.00	20 1/2	4,261.00	20 1/2	3,535.74	20 1/2	3,149.63	20 1/2	2,910.42
20 3/4	20 3/4	4,550.00	20 3/4	4,253.00	20 3/4	3,527.66	20 3/4	3,141.59	20 3/4	2,907.37
21	21	4,542.00	21	4,245.00	21	3,519.58	21	3,133.55	21	2,904.33
21 1/4	21 1/4	4,534.00	21 1/4	4,237.00	21 1/4	3,511.50	21 1/4	3,125.51	21 1/4	2,901.28
21 1/2	21 1/2	4,526.00	21 1/2	4,229.00	21 1/2	3,503.42	21 1/2	3,117.47	21 1/2	2,898.24
21 3/4	21 3/4	4,518.00	21 3/4	4,221.00	21 3/4	3,495.34	21 3/4	3,109.43	21 3/4	2,895.19
22	22	4,510.00	22	4,213.00	22	3,487.30	22	3,101.39	22	2,892.15
22 1/4	22 1/4	4,502.00	22 1/4	4,205.00	22 1/4	3,479.26	22 1/4	3,093.35	22 1/4	2,889.10
22 1/2	22 1/2	4,494.00	22 1/2	4,197.00	22 1/2	3,471.22	22 1/2	3,085.31	22 1/2	2,886.06
22 3/4	22 3/4	4,486.00	22 3/4	4,189.00	22 3/4	3,463.18	22 3/4	3,077.27	22 3/4	2,883.01
23	23	4,478.00	23	4,181.00	23	3,455.14	23	3,069.23	23	2,880.00
23 1/4	23 1/4	4,470.00	23 1/4	4,173.00	23 1/4	3,447.10	23 1/4	3,061.19	23 1/4	2,876.95
23 1/2	23 1/2	4,462.00	23 1/2	4,165.00	23 1/2	3,439.06	23 1/2	3,053.15	23 1/2	2,873.91
23 3/4	23 3/4	4,454.00	23 3/4	4,157.00	23 3/4	3,431.0				



Barge EMS 3045  
Enterprise Marine  
Services LLC

2 STBD  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 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	1,876.85	0	1,489.00	0	1,101.14	0	719.95	0	341.83	0		0		0		0		0	
1/4	1,868.77	1/4	1,480.92	1/4	1,093.06	1/4	712.20	1/4	333.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,860.69	1/2	1,472.84	1/2	1,084.98	1/2	704.44	1/2	326.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,852.61	3/4	1,464.76	3/4	1,076.90	3/4	696.68	3/4	318.25	3/4		3/4		3/4		3/4		3/4	
1	1,844.53	1	1,456.68	1	1,068.82	1	688.92	1	310.40	1		1		1		1		1	
1 1/4	1,836.45	1 1/4	1,448.60	1 1/4	1,060.74	1 1/4	681.16	1 1/4	302.54	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,828.37	1 1/2	1,440.52	1 1/2	1,052.66	1 1/2	673.41	1 1/2	294.68	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	1,820.29	1 3/4	1,432.44	1 3/4	1,044.58	1 3/4	665.65	1 3/4	286.83	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
2	1,812.21	2	1,424.36	2	1,036.50	2	657.89	2	278.97	2		2		2		2		2	
1/4	1,804.13	1/4	1,416.28	1/4	1,028.42	1/4	650.13	1/4	271.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,796.05	1/2	1,408.20	1/2	1,020.34	1/2	642.38	1/2	263.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,787.97	3/4	1,400.12	3/4	1,012.26	3/4	634.62	3/4	255.40	3/4		3/4		3/4		3/4		3/4	
1	1,779.89	1	1,392.04	1	1,004.18	1	626.86	1	247.54	1		1		1		1		1	
1 1/4	1,771.81	1 1/4	1,383.96	1 1/4	996.10	1 1/4	619.10	1 1/4	239.68	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,763.73	1 1/2	1,375.88	1 1/2	988.02	1 1/2	611.34	1 1/2	231.83	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	1,755.65	1 3/4	1,367.79	1 3/4	979.94	1 3/4	603.58	1 3/4	223.97	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
2	1,747.57	2	1,359.71	2	971.86	2	595.83	2	216.11	2		2		2		2		2	
1/4	1,739.49	1/4	1,351.63	1/4	963.78	1/4	588.07	1/4	208.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,731.41	1/2	1,343.55	1/2	955.70	1/2	580.31	1/2	200.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,723.33	3/4	1,335.47	3/4	947.62	3/4	572.35	3/4	192.54	3/4		3/4		3/4		3/4		3/4	
1	1,715.25	1	1,327.39	1	939.54	1	564.79	1	184.68	1		1		1		1		1	
1 1/4	1,707.17	1 1/4	1,319.31	1 1/4	931.46	1 1/4	557.02	1 1/4	176.83	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,699.09	1 1/2	1,311.23	1 1/2	923.38	1 1/2	549.25	1 1/2	168.97	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	1,691.01	1 3/4	1,303.15	1 3/4	915.30	1 3/4	541.49	1 3/4	161.11	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
2	1,682.93	2	1,295.07	2	907.22	2	533.72	2	153.25	2		2		2		2		2	
1/4	1,674.85	1/4	1,286.99	1/4	899.14	1/4	525.94	1/4	145.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,666.77	1/2	1,278.91	1/2	891.06	1/2	518.17	1/2	137.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,658.69	3/4	1,270.83	3/4	882.98	3/4	510.39	3/4	129.68	3/4		3/4		3/4		3/4		3/4	
1	1,650.61	1	1,262.75	1	875.20	1	502.31	1	121.60	1		1		1		1		1	
1 1/4	1,642.52	1 1/4	1,254.67	1 1/4	867.43	1 1/4	494.23	1 1/4	113.52	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,634.44	1 1/2	1,246.59	1 1/2	859.65	1 1/2	486.15	1 1/2	105.44	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	1,626.36	1 3/4	1,238.51	1 3/4	851.88	1 3/4	478.07	1 3/4	97.36	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
2	1,618.28	2	1,230.43	2	844.11	2	469.99	2	89.28	2		2		2		2		2	
1/4	1,610.20	1/4	1,222.35	1/4	836.35	1/4	461.91	1/4	81.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,602.12	1/2	1,214.27	1/2	828.58	1/2	453.83	1/2	73.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,594.04	3/4	1,206.19	3/4	820.82	3/4	445.75	3/4	65.04	3/4		3/4		3/4		3/4		3/4	
1	1,586.96	1	1,198.11	1	813.06	1	437.67	1	57.97	1		1		1		1		1	
1 1/4	1,577.88	1 1/4	1,190.03	1 1/4	805.30	1 1/4	429.59	1 1/4	50.90	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,569.80	1 1/2	1,181.95	1 1/2	797.54	1 1/2	421.51	1 1/2	43.83	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	1,561.72	1 3/4	1,173.87	1 3/4	789.78	1 3/4	413.43	1 3/4	36.76	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
2	1,553.64	2	1,165.79	2	782.02	2	405.35	2	31.71	2		2		2		2		2	
1/4	1,545.56	1/4	1,157.71	1/4	774.27	1/4	397.27	1/4	26.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,537.48	1/2	1,149.63	1/2	766.51	1/2	389.19	1/2	21.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,529.40	3/4	1,141.55	3/4	758.75	3/4	381.11	3/4	16.56	3/4		3/4		3/4		3/4		3/4	
1	1,521.32	1	1,133.47	1	750.99	1	373.25	1		1		1		1		1		1	
1 1/4	1,513.24	1 1/4	1,125.39	1 1/4	743.23	1 1/4	365.40	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,505.16	1 1/2	1,117.31	1 1/2	735.47	1 1/2	357.54	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	1,497.08	1 3/4	1,109.23	1 3/4	727.71	1 3/4	349.68	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/29/2010 CL - SW  
CALCULATED: 06/29/2010 CL  
PRINTED: 06/29/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2010

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmta.com>



Barge EMS 3045  
Enterprise Marine  
Services LLC

3 PORT  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	1	IN	2	IN	3	IN	4	IN	5	IN	6	IN	7	IN	8	IN	9
0	0	0	4,358.66	0	4,135.82	0	3,942.12	0	3,726.30	0	3,488.46	0	3,195.06	0	2,837.02	0	2,477.02	0	2,118.64
1/4	1/4	1/4	4,353.06	1/4	4,132.00	1/4	3,937.85	1/4	3,721.57	1/4	3,483.26	1/4	3,188.50	1/4	2,829.52	1/4	2,469.51	1/4	2,111.13
1/2	1/2	1/2	4,347.46	1/2	4,128.18	1/2	3,933.57	1/2	3,716.85	1/2	3,478.07	1/2	3,182.04	1/2	2,822.02	1/2	2,462.00	1/2	2,103.63
3/4	3/4	3/4	4,341.86	3/4	4,124.37	3/4	3,929.30	3/4	3,712.12	3/4	3,472.88	3/4	3,177.57	3/4	2,814.52	3/4	2,454.49	3/4	2,096.12
1	1	1	4,335.53	1	4,120.51	1	3,924.99	1	3,707.34	1	3,467.67	1	3,166.11	1	2,807.02	1	2,446.98	1	2,088.61
1/4	1/4	1/4	4,329.20	1/4	4,116.66	1/4	3,920.67	1/4	3,702.57	1/4	3,462.46	1/4	3,158.55	1/4	2,799.53	1/4	2,439.47	1/4	2,081.10
1/2	1/2	1/2	4,322.88	1/2	4,112.80	1/2	3,916.36	1/2	3,697.29	1/2	3,457.25	1/2	3,151.19	1/2	2,792.03	1/2	2,431.96	1/2	2,073.59
3/4	3/4	3/4	4,316.55	3/4	4,108.95	3/4	3,912.05	3/4	3,693.02	3/4	3,452.04	3/4	3,143.72	3/4	2,784.53	3/4	2,424.45	3/4	2,066.09
2	2	2	4,311.37	2	4,105.95	2	3,907.70	2	3,688.21	2	3,446.83	2	3,136.26	2	2,777.03	2	2,416.94	2	2,058.58
1/4	1/4	1/4	4,306.20	1/4	4,101.16	1/4	3,903.35	1/4	3,683.41	1/4	3,441.61	1/4	3,128.80	1/4	2,769.54	1/4	2,409.43	1/4	2,051.07
1/2	1/2	1/2	4,301.02	1/2	4,097.26	1/2	3,898.99	1/2	3,678.60	1/2	3,436.40	1/2	3,121.33	1/2	2,762.04	1/2	2,401.92	1/2	2,043.56
3/4	3/4	3/4	4,295.84	3/4	4,093.36	3/4	3,894.64	3/4	3,673.80	3/4	3,431.19	3/4	3,113.87	3/4	2,754.54	3/4	2,394.41	3/4	2,036.05
3	3	3	4,290.67	3	4,089.43	3	3,890.25	3	3,668.95	3	3,425.98	3	3,106.41	3	2,747.04	3	2,386.90	3	2,028.55
1/4	1/4	1/4	4,285.49	1/4	4,085.50	1/4	3,885.86	1/4	3,664.10	1/4	3,420.77	1/4	3,098.95	1/4	2,739.55	1/4	2,379.39	1/4	2,021.04
1/2	1/2	1/2	4,280.32	1/2	4,081.57	1/2	3,881.47	1/2	3,659.25	1/2	3,415.56	1/2	3,094.48	1/2	2,732.05	1/2	2,371.88	1/2	2,013.53
3/4	3/4	3/4	4,275.14	3/4	4,077.64	3/4	3,877.08	3/4	3,654.41	3/4	3,410.35	3/4	3,084.02	3/4	2,724.55	3/4	2,364.37	3/4	2,006.02
4	4	4	4,269.97	4	4,073.66	4	3,872.64	4	3,649.52	4	3,405.17	4	3,076.56	4	2,717.05	4	2,356.86	4	1,998.51
1/4	1/4	1/4	4,264.79	1/4	4,069.68	1/4	3,868.21	1/4	3,644.63	1/4	3,400.00	1/4	3,069.10	1/4	2,709.55	1/4	2,349.35	1/4	1,991.00
1/2	1/2	1/2	4,259.62	1/2	4,065.70	1/2	3,863.77	1/2	3,639.73	1/2	3,394.82	1/2	3,061.63	1/2	2,702.06	1/2	2,341.84	1/2	1,983.49
3/4	3/4	3/4	4,254.45	3/4	4,061.73	3/4	3,859.34	3/4	3,634.60	3/4	3,389.65	3/4	3,054.17	3/4	2,694.56	3/4	2,334.33	3/4	1,975.99
5	5	5	4,249.27	5	4,057.72	5	3,854.87	5	3,629.92	5	3,384.47	5	3,046.71	5	2,687.06	5	2,328.82	5	1,968.48
1/4	1/4	1/4	4,244.10	1/4	4,053.71	1/4	3,850.40	1/4	3,624.99	1/4	3,379.29	1/4	3,039.24	1/4	2,679.56	1/4	2,319.31	1/4	1,960.97
1/2	1/2	1/2	4,238.92	1/2	4,049.70	1/2	3,845.94	1/2	3,620.07	1/2	3,374.12	1/2	3,031.78	1/2	2,672.07	1/2	2,311.80	1/2	1,953.46
3/4	3/4	3/4	4,233.75	3/4	4,045.69	3/4	3,841.47	3/4	3,615.14	3/4	3,368.94	3/4	3,024.32	3/4	2,664.57	3/4	2,304.29	3/4	1,945.95
6	6	6	4,228.58	6	4,041.65	6	3,836.95	6	3,610.17	6	3,363.77	6	3,016.86	6	2,657.07	6	2,296.78	6	1,938.44
1/4	1/4	1/4	4,223.40	1/4	4,037.62	1/4	3,832.44	1/4	3,605.21	1/4	3,358.59	1/4	3,009.39	1/4	2,649.57	1/4	2,289.27	1/4	1,930.93
1/2	1/2	1/2	4,218.23	1/2	4,033.58	1/2	3,827.92	1/2	3,600.24	1/2	3,353.41	1/2	2,994.97	1/2	2,642.08	1/2	2,281.76	1/2	1,923.42
3/4	3/4	3/4	4,213.06	3/4	4,029.55	3/4	3,823.41	3/4	3,595.27	3/4	3,348.24	3/4	2,994.47	3/4	2,634.58	3/4	2,274.25	3/4	1,915.91
7	7	7	4,209.46	7	4,025.47	7	3,818.86	7	3,591.26	7	3,341.91	7	2,986.97	7	2,627.08	7	2,266.87	7	1,908.40
1/4	1/4	1/4	4,205.86	1/4	4,021.39	1/4	3,814.32	1/4	3,585.26	1/4	3,335.58	1/4	2,979.47	1/4	2,619.58	1/4	2,259.49	1/4	1,900.89
1/2	1/2	1/2	4,202.27	1/2	4,017.31	1/2	3,809.77	1/2	3,580.26	1/2	3,329.26	1/2	2,971.97	1/2	2,612.08	1/2	2,252.11	1/2	1,893.38
3/4	3/4	3/4	4,198.67	3/4	4,013.23	3/4	3,805.23	3/4	3,575.26	3/4	3,323.93	3/4	2,964.48	3/4	2,604.59	3/4	2,244.73	3/4	1,885.87
8	8	8	4,195.04	8	4,009.12	8	3,800.65	8	3,570.21	8	3,315.46	8	2,956.98	8	2,597.09	8	2,237.35	8	1,878.37
1/4	1/4	1/4	4,191.41	1/4	4,005.00	1/4	3,796.07	1/4	3,565.16	1/4	3,307.98	1/4	2,949.48	1/4	2,589.59	1/4	2,229.96	1/4	1,870.86
1/2	1/2	1/2	4,187.78	1/2	4,000.89	1/2	3,791.48	1/2	3,560.16	1/2	3,300.50	1/2	2,941.98	1/2	2,582.09	1/2	2,222.58	1/2	1,863.35
3/4	3/4	3/4	4,184.15	3/4	3,996.78	3/4	3,786.90	3/4	3,555.06	3/4	3,293.03	3/4	2,934.49	3/4	2,574.60	3/4	2,215.20	3/4	1,855.84
9	9	9	4,180.47	9	3,992.62	9	3,782.28	9	3,549.98	9	3,285.55	9	2,926.99	9	2,567.09	9	2,207.82	9	1,848.33
1/4	1/4	1/4	4,176.79	1/4	3,988.46	1/4	3,777.66	1/4	3,544.90	1/4	3,278.08	1/4	2,919.49	1/4	2,559.59	1/4	2,200.44	1/4	1,840.82
1/2	1/2	1/2	4,173.12	1/2	3,984.30	1/2	3,773.04	1/2	3,539.82	1/2	3,270.60	1/2	2,911.99	1/2	2,552.09	1/2	2,193.01	1/2	1,833.31
3/4	3/4	3/4	4,169.44	3/4	3,980.15	3/4	3,768.41	3/4	3,534.74	3/4	3,263.13	3/4	2,904.49	3/4	2,544.58	3/4	2,185.08	3/4	1,825.80
10	10	10	4,165.73	10	3,975.95	10	3,763.76	10	3,529.62	10	3,255.67	10	2,891.00	10	2,537.08	10	2,178.31	10	1,818.29
1/4	1/4	1/4	4,162.03	1/4	3,971.76	1/4	3,759.11	1/4	3,524.51	1/4	3,248.20	1/4	2,882.50	1/4	2,529.58	1/4	2,170.93	1/4	1,810.78
1/2	1/2	1/2	4,158.32	1/2	3,967.57	1/2	3,754.46	1/2	3,519.39	1/2	3,240.74	1/2	2,874.50	1/2	2,524.07	1/2	2,163.55	1/2	1,803.27
3/4	3/4	3/4	4,154.61	3/4	3,963.38	3/4	3,749.81	3/4	3,514.28	3/4	3,233.28	3/4	2,867.01	3/4	2,514.57	3/4	2,156.18	3/4	1,795.76
11	11	11	4,150.87	11	3,959.14	11	3,745.12	11	3,509.12	11	3,225.81	11	2,861.01	11	2,507.06	11	2,148.67	11	1,788.26
1/4	1/4	1/4	4,147.13	1/4	3,954.89	1/4	3,740.42	1/4	3,503.96	1/4	3,218.35	1/4	2,859.51	1/4	2,499.55	1/4	2,141.16	1/4	1,780.75
1/2	1/2	1/2	4,143.38	1/2	3,950.64	1/2	3,735.73	1/2	3,498.81	1/2	3,210.89	1/2	2,852.01	1/2	2,492.04	1/2	2,133.65	1/2	1,773.24
3/4	3/4	3/4	4,139.64	3/4	3,946.40	3/4	3,731.03	3/4	3,493.65	3/4	3,203.43	3/4	2,844.51	3/4	2,484.53	3/4	2,126.15	3/4	1,765.73

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 ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.  
GAUGE POINT: (HERMETIC) LOCATED 12'-04" OFF CENTERLINE AND 81'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





Barge EMS 3045  
Enterprise Marine  
Services LLC

3 PORT  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 3/4"

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	1,758.22	0	1,397.78	0	1,037.24	0	676.94	0	317.79	0		0		0		0		0	
1/4	1,750.71	1/4	1,390.27	1/4	1,029.73	1/4	669.44	1/4	310.48	1/4		1/4		1/4		1/4		1/4	
1/2	1,743.20	1/2	1,382.76	1/2	1,022.22	1/2	661.95	1/2	303.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,735.69	3/4	1,375.25	3/4	1,014.71	3/4	654.45	3/4	295.87	3/4		3/4		3/4		3/4		3/4	
1	1,728.18	1	1,367.74	1	1,007.20	1	646.96	1	288.57	1		1		1		1		1	
1/4	1,720.67	1/4	1,360.23	1/4	999.68	1/4	639.46	1/4	281.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,713.16	1/2	1,352.72	1/2	992.17	1/2	631.97	1/2	273.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,705.65	3/4	1,345.20	3/4	984.66	3/4	624.47	3/4	266.66	3/4		3/4		3/4		3/4		3/4	
2	1,698.14	2	1,337.69	2	977.15	2	616.98	2	259.35	2		2		2		2		2	
1/4	1,690.64	1/4	1,330.18	1/4	969.64	1/4	609.49	1/4	252.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,683.13	1/2	1,322.67	1/2	962.13	1/2	601.99	1/2	244.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,675.62	3/4	1,315.16	3/4	954.62	3/4	594.50	3/4	237.44	3/4		3/4		3/4		3/4		3/4	
3	1,668.11	3	1,307.65	3	947.11	3	587.00	3	230.14	3		3		3		3		3	
1/4	1,660.60	1/4	1,300.14	1/4	939.59	1/4	579.51	1/4	222.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,653.09	1/2	1,292.62	1/2	932.08	1/2	572.01	1/2	215.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,645.58	3/4	1,285.11	3/4	924.57	3/4	564.51	3/4	208.23	3/4		3/4		3/4		3/4		3/4	
4	1,638.07	4	1,277.60	4	917.06	4	557.02	4	200.92	4		4		4		4		4	
1/4	1,630.56	1/4	1,270.09	1/4	909.55	1/4	549.52	1/4	193.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,623.05	1/2	1,262.58	1/2	902.04	1/2	542.03	1/2	186.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,615.54	3/4	1,255.07	3/4	894.53	3/4	534.53	3/4	179.01	3/4		3/4		3/4		3/4		3/4	
5	1,608.03	5	1,247.56	5	887.01	5	527.03	5	171.71	5		5		5		5		5	
1/4	1,600.53	1/4	1,240.05	1/4	879.50	1/4	519.53	1/4	164.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,593.02	1/2	1,232.53	1/2	871.99	1/2	512.03	1/2	157.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,585.51	3/4	1,225.02	3/4	864.48	3/4	504.52	3/4	149.80	3/4		3/4		3/4		3/4		3/4	
6	1,578.00	6	1,217.51	6	856.97	6	497.01	6	142.49	6		6		6		6		6	
1/4	1,570.49	1/4	1,210.00	1/4	849.46	1/4	489.50	1/4	135.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,562.98	1/2	1,202.49	1/2	841.95	1/2	481.99	1/2	127.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,555.47	3/4	1,194.98	3/4	834.44	3/4	474.48	3/4	120.58	3/4		3/4		3/4		3/4		3/4	
7	1,547.96	7	1,187.47	7	826.92	7	466.97	7	113.07	7		7		7		7		7	
1/4	1,540.45	1/4	1,179.96	1/4	819.41	1/4	459.46	1/4	105.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,532.94	1/2	1,172.44	1/2	811.90	1/2	451.95	1/2	98.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,525.43	3/4	1,164.93	3/4	804.39	3/4	444.44	3/4	90.54	3/4		3/4		3/4		3/4		3/4	
8	1,517.92	8	1,157.42	8	796.89	8	436.92	8	83.02	8		8		8		8		8	
1/4	1,510.41	1/4	1,149.91	1/4	789.39	1/4	429.41	1/4	75.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,502.91	1/2	1,142.40	1/2	781.88	1/2	421.90	1/2	68.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,495.40	3/4	1,134.89	3/4	774.38	3/4	414.39	3/4	60.49	3/4		3/4		3/4		3/4		3/4	
9	1,487.89	9	1,127.38	9	766.89	9	406.88	9	53.92	9		9		9		9		9	
1/4	1,480.38	1/4	1,119.86	1/4	759.39	1/4	399.37	1/4	47.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,472.87	1/2	1,112.35	1/2	751.89	1/2	391.86	1/2	40.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,465.36	3/4	1,104.84	3/4	744.40	3/4	384.35	3/4	34.20	3/4		3/4		3/4		3/4		3/4	
10	1,457.85	10	1,097.33	10	736.90	10	376.84	10	29.50	10		10		10		10		10	
1/4	1,450.34	1/4	1,089.82	1/4	729.41	1/4	369.33	1/4	24.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,442.83	1/2	1,082.31	1/2	721.91	1/2	361.82	1/2	20.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,435.32	3/4	1,074.80	3/4	714.42	3/4	354.30	3/4	15.42	3/4		3/4		3/4		3/4		3/4	
11	1,427.81	11	1,067.29	11	706.92	11	347.00	11		11		11		11		11		11	
1/4	1,420.30	1/4	1,059.77	1/4	699.43	1/4	339.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,412.80	1/2	1,052.26	1/2	691.93	1/2	332.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,405.29	3/4	1,044.75	3/4	684.43	3/4	325.09	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/29/2010 CL - SW  
CALCULATED: 06/29/2010 CL  
PRINTED: 06/29/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2010

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



Barge EMS 3045  
Enterprise Marine  
Services LLC

3 STBD  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I
0	0	4,337.09	0	4,114.17	0	3,920.42	0	3,704.53	0	3,466.60	0	3,174.27	0	2,815.98	0	2,456.63	0	2,099.37	
1/4	1/4	4,331.48	1/4	4,110.35	1/4	3,916.14	1/4	3,699.80	1/4	3,461.40	1/4	3,166.82	1/4	2,808.50	1/4	2,449.54	1/4	2,091.87	
1/2	1/2	4,325.87	1/2	4,106.53	1/2	3,911.86	1/2	3,695.07	1/2	3,456.21	1/2	3,159.37	1/2	2,801.02	1/2	2,441.66	1/2	2,084.37	
3/4	3/4	4,320.27	3/4	4,102.71	3/4	3,907.59	3/4	3,690.34	3/4	3,451.01	3/4	3,151.92	3/4	2,793.53	3/4	2,434.37	3/4	2,076.88	
1	1	4,313.94	1	4,098.85	1	3,903.27	1	3,685.56	1	3,445.80	1	3,144.47	1	2,786.05	1	2,426.89	1	2,069.38	
1/4	1/4	4,307.61	1/4	4,093.00	1/4	3,898.96	1/4	3,680.78	1/4	3,440.59	1/4	3,137.03	1/4	2,778.56	1/4	2,419.92	1/4	2,061.88	
1/2	1/2	4,301.28	1/2	4,087.15	1/2	3,894.65	1/2	3,676.01	1/2	3,435.38	1/2	3,129.58	1/2	2,771.08	1/2	2,411.92	1/2	2,054.38	
3/4	3/4	4,294.95	3/4	4,087.29	3/4	3,890.34	3/4	3,671.23	3/4	3,430.16	3/4	3,122.13	3/4	2,763.60	3/4	2,404.43	3/4	2,046.89	
2	2	4,289.77	2	4,083.39	2	3,885.98	2	3,666.42	2	3,424.95	2	3,114.68	2	2,756.11	2	2,396.94	2	2,039.39	
1/4	1/4	4,284.60	1/4	4,079.49	1/4	3,881.63	1/4	3,661.92	1/4	3,419.74	1/4	3,107.23	1/4	2,748.63	1/4	2,389.46	1/4	2,031.89	
1/2	1/2	4,279.42	1/2	4,075.60	1/2	3,877.27	1/2	3,656.81	1/2	3,414.52	1/2	3,099.78	1/2	2,741.14	1/2	2,381.97	1/2	2,024.40	
3/4	3/4	4,274.24	3/4	4,071.70	3/4	3,872.92	3/4	3,652.00	3/4	3,409.31	3/4	3,092.33	3/4	2,733.66	3/4	2,374.49	3/4	2,016.90	
3	3	4,269.06	3	4,067.76	3	3,868.53	3	3,647.15	3	3,404.10	3	3,084.88	3	2,726.18	3	2,367.00	3	2,009.40	
1/4	1/4	4,263.88	1/4	4,063.83	1/4	3,864.14	1/4	3,642.30	1/4	3,398.89	1/4	3,077.43	1/4	2,718.69	1/4	2,359.52	1/4	2,001.91	
1/2	1/2	4,258.71	1/2	4,059.90	1/2	3,859.74	1/2	3,637.45	1/2	3,393.67	1/2	3,069.98	1/2	2,711.21	1/2	2,352.03	1/2	1,994.41	
3/4	3/4	4,253.53	3/4	4,055.97	3/4	3,855.35	3/4	3,632.61	3/4	3,388.46	3/4	3,062.53	3/4	2,703.73	3/4	2,344.54	3/4	1,986.91	
4	4	4,248.35	4	4,051.99	4	3,850.92	4	3,627.71	4	3,383.28	4	3,055.09	4	2,696.24	4	2,337.06	4	1,979.41	
1/4	1/4	4,243.18	1/4	4,048.01	1/4	3,846.48	1/4	3,622.82	1/4	3,378.10	1/4	3,047.64	1/4	2,688.76	1/4	2,329.57	1/4	1,971.91	
1/2	1/2	4,238.00	1/2	4,044.03	1/2	3,842.04	1/2	3,617.93	1/2	3,372.93	1/2	3,040.19	1/2	2,681.27	1/2	2,322.09	1/2	1,964.42	
3/4	3/4	4,232.83	3/4	4,040.05	3/4	3,837.61	3/4	3,613.04	3/4	3,367.75	3/4	3,032.74	3/4	2,673.79	3/4	2,314.60	3/4	1,956.92	
5	5	4,227.65	5	4,036.04	5	3,833.14	5	3,608.11	5	3,362.57	5	3,028.29	5	2,666.31	5	2,307.11	5	1,949.42	
1/4	1/4	4,222.47	1/4	4,032.03	1/4	3,828.67	1/4	3,603.18	1/4	3,357.39	1/4	3,017.84	1/4	2,658.82	1/4	2,299.63	1/4	1,941.92	
1/2	1/2	4,217.30	1/2	4,028.02	1/2	3,824.20	1/2	3,598.26	1/2	3,352.21	1/2	3,010.39	1/2	2,651.34	1/2	2,292.14	1/2	1,934.42	
3/4	3/4	4,212.12	3/4	4,024.01	3/4	3,819.73	3/4	3,593.24	3/4	3,347.04	3/4	3,002.94	3/4	2,643.85	3/4	2,284.66	3/4	1,926.92	
6	6	4,206.95	6	4,019.98	6	3,815.21	6	3,588.36	6	3,341.86	6	2,995.49	6	2,636.37	6	2,277.16	6	1,919.43	
1/4	1/4	4,201.77	1/4	4,015.94	1/4	3,810.70	1/4	3,583.39	1/4	3,336.68	1/4	2,988.04	1/4	2,628.89	1/4	2,269.66	1/4	1,911.93	
1/2	1/2	4,196.60	1/2	4,011.90	1/2	3,806.18	1/2	3,578.42	1/2	3,331.50	1/2	2,980.59	1/2	2,621.40	1/2	2,262.16	1/2	1,904.43	
3/4	3/4	4,191.42	3/4	4,007.86	3/4	3,801.66	3/4	3,573.45	3/4	3,326.32	3/4	2,973.15	3/4	2,613.92	3/4	2,254.66	3/4	1,896.93	
7	7	4,187.82	7	4,003.78	7	3,797.12	7	3,568.44	7	3,320.00	7	2,965.66	7	2,606.43	7	2,247.30	7	1,889.43	
1/4	1/4	4,184.23	1/4	3,999.70	1/4	3,792.57	1/4	3,563.44	1/4	3,313.67	1/4	2,958.18	1/4	2,598.95	1/4	2,239.94	1/4	1,881.93	
1/2	1/2	4,180.63	1/2	3,995.62	1/2	3,788.02	1/2	3,558.43	1/2	3,307.34	1/2	2,950.69	1/2	2,591.47	1/2	2,232.58	1/2	1,874.43	
3/4	3/4	4,177.03	3/4	3,991.54	3/4	3,783.48	3/4	3,553.43	3/4	3,301.01	3/4	2,943.21	3/4	2,583.98	3/4	2,225.94	3/4	1,866.94	
8	8	4,173.40	8	3,987.43	8	3,778.89	8	3,548.38	8	3,293.55	8	2,935.73	8	2,576.50	8	2,217.87	8	1,859.46	
1/4	1/4	4,169.77	1/4	3,983.31	1/4	3,774.31	1/4	3,543.33	1/4	3,288.08	1/4	2,928.24	1/4	2,569.07	1/4	2,210.51	1/4	1,851.98	
1/2	1/2	4,166.14	1/2	3,979.20	1/2	3,769.73	1/2	3,538.27	1/2	3,278.62	1/2	2,920.76	1/2	2,561.53	1/2	2,203.15	1/2	1,844.51	
3/4	3/4	4,162.51	3/4	3,975.09	3/4	3,765.15	3/4	3,533.22	3/4	3,271.16	3/4	2,913.27	3/4	2,554.05	3/4	2,195.79	3/4	1,837.03	
9	9	4,158.83	9	3,970.93	9	3,760.52	9	3,528.14	9	3,263.70	9	2,905.79	9	2,546.56	9	2,188.42	9	1,829.58	
1/4	1/4	4,155.15	1/4	3,966.77	1/4	3,755.90	1/4	3,523.06	1/4	3,256.24	1/4	2,898.31	1/4	2,539.07	1/4	2,181.05	1/4	1,822.12	
1/2	1/2	4,151.47	1/2	3,962.61	1/2	3,751.28	1/2	3,517.98	1/2	3,248.77	1/2	2,890.82	1/2	2,531.58	1/2	2,173.68	1/2	1,814.67	
3/4	3/4	4,147.80	3/4	3,958.45	3/4	3,746.65	3/4	3,512.90	3/4	3,241.31	3/4	2,883.34	3/4	2,524.09	3/4	2,166.31	3/4	1,807.22	
10	10	4,144.09	10	3,954.26	10	3,742.00	10	3,507.78	10	3,233.66	10	2,875.85	10	2,516.62	10	2,158.94	10	1,799.76	
1/4	1/4	4,140.38	1/4	3,950.06	1/4	3,737.35	1/4	3,502.66	1/4	3,226.41	1/4	2,868.37	1/4	2,509.15	1/4	2,151.58	1/4	1,792.31	
1/2	1/2	4,136.67	1/2	3,945.87	1/2	3,732.69	1/2	3,497.55	1/2	3,218.97	1/2	2,860.89	1/2	2,501.68	1/2	2,144.21	1/2	1,784.86	
3/4	3/4	4,132.96	3/4	3,941.68	3/4	3,728.04	3/4	3,492.43	3/4	3,211.52	3/4	2,853.40	3/4	2,494.22	3/4	2,136.85	3/4	1,777.40	
11	11	4,129.22	11	3,937.43	11	3,723.35	11	3,487.27	11	3,204.07	11	2,845.92	11	2,486.74	11	2,129.35	11	1,769.95	
1/4	1/4	4,125.47	1/4	3,933.19	1/4	3,718.55	1/4	3,482.11	1/4	3,196.82	1/4	2,838.44	1/4	2,479.27	1/4	2,121.85	1/4	1,762.49	
1/2	1/2	4,121.73	1/2	3,928.94	1/2	3,713.85	1/2	3,476.95	1/2	3,189.17	1/2	2,830.95	1/2	2,471.79	1/2	2,114.36	1/2	1,755.04	
3/4	3/4	4,117.99	3/4	3,924.69	3/4	3,709.26	3/4	3,471.79	3/4	3,181.72	3/4	2,823.47	3/4	2,464.32	3/4	2,106.86	3/4	1,747.59	

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 TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-04" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77586

http://www.pima-corp.net



Barge EMS 3045  
Enterprise Marine  
Services LLC

3 STBD  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,740.13	1/4	1,381.77	1/4	1,022.02	1/4	668.35	1/4	317.42	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,732.68	1/2	1,374.28	1/2	1,014.52	1/2	661.16	1/2	310.13	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,725.23	3/4	1,366.78	3/4	1,007.03	3/4	653.96	3/4	302.83	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,717.77	1	1,359.29	1	999.53	1	646.77	1	295.54	1	0	1	0	1	0	1	0	1	0
1 1/4	1,710.32	1 1/4	1,351.80	1 1/4	992.04	1 1/4	639.57	1 1/4	288.25	1 1/4	1	1 1/4	1	1 1/4	1	1 1/4	1	1 1/4	1
1 1/2	1,702.86	1 1/2	1,344.30	1 1/2	984.54	1 1/2	632.38	1 1/2	280.95	1 1/2	1	1 1/2	1	1 1/2	1	1 1/2	1	1 1/2	1
1 3/4	1,695.41	1 3/4	1,336.81	1 3/4	977.05	1 3/4	625.18	1 3/4	273.66	1 3/4	1	1 3/4	1	1 3/4	1	1 3/4	1	1 3/4	1
2	1,687.96	2	1,329.31	2	969.55	2	617.99	2	266.36	2	1	2	1	2	1	2	1	2	1
2 1/4	1,680.50	2 1/4	1,321.82	2 1/4	962.05	2 1/4	610.79	2 1/4	259.07	2 1/4	1	2 1/4	1	2 1/4	1	2 1/4	1	2 1/4	1
2 1/2	1,673.05	2 1/2	1,314.32	2 1/2	954.56	2 1/2	603.60	2 1/2	251.78	2 1/2	1	2 1/2	1	2 1/2	1	2 1/2	1	2 1/2	1
2 3/4	1,665.60	2 3/4	1,306.83	2 3/4	947.06	2 3/4	596.40	2 3/4	244.48	2 3/4	1	2 3/4	1	2 3/4	1	2 3/4	1	2 3/4	1
3	1,658.14	3	1,299.34	3	939.57	3	589.21	3	237.19	3	1	3	1	3	1	3	1	3	1
3 1/4	1,650.69	3 1/4	1,291.84	3 1/4	932.07	3 1/4	582.01	3 1/4	229.89	3 1/4	1	3 1/4	1	3 1/4	1	3 1/4	1	3 1/4	1
3 1/2	1,643.24	3 1/2	1,284.35	3 1/2	924.58	3 1/2	574.81	3 1/2	222.60	3 1/2	1	3 1/2	1	3 1/2	1	3 1/2	1	3 1/2	1
3 3/4	1,635.78	3 3/4	1,276.85	3 3/4	917.08	3 3/4	567.62	3 3/4	215.31	3 3/4	1	3 3/4	1	3 3/4	1	3 3/4	1	3 3/4	1
4	1,628.33	4	1,269.36	4	909.59	4	560.42	4	208.01	4	1	4	1	4	1	4	1	4	1
4 1/4	1,620.87	4 1/4	1,261.86	4 1/4	902.09	4 1/4	553.23	4 1/4	200.72	4 1/4	1	4 1/4	1	4 1/4	1	4 1/4	1	4 1/4	1
4 1/2	1,613.42	4 1/2	1,254.37	4 1/2	894.60	4 1/2	546.03	4 1/2	193.42	4 1/2	1	4 1/2	1	4 1/2	1	4 1/2	1	4 1/2	1
4 3/4	1,605.97	4 3/4	1,246.87	4 3/4	887.10	4 3/4	538.83	4 3/4	186.13	4 3/4	1	4 3/4	1	4 3/4	1	4 3/4	1	4 3/4	1
5	1,598.51	5	1,239.38	5	879.61	5	531.64	5	178.84	5	1	5	1	5	1	5	1	5	1
5 1/4	1,591.06	5 1/4	1,231.88	5 1/4	872.11	5 1/4	524.45	5 1/4	171.54	5 1/4	1	5 1/4	1	5 1/4	1	5 1/4	1	5 1/4	1
5 1/2	1,583.61	5 1/2	1,224.38	5 1/2	864.62	5 1/2	517.23	5 1/2	164.25	5 1/2	1	5 1/2	1	5 1/2	1	5 1/2	1	5 1/2	1
5 3/4	1,576.15	5 3/4	1,216.89	5 3/4	857.12	5 3/4	510.03	5 3/4	156.95	5 3/4	1	5 3/4	1	5 3/4	1	5 3/4	1	5 3/4	1
6	1,568.70	6	1,209.39	6	849.63	6	502.83	6	149.66	6	1	6	1	6	1	6	1	6	1
6 1/4	1,561.24	6 1/4	1,201.90	6 1/4	842.13	6 1/4	495.59	6 1/4	142.36	6 1/4	1	6 1/4	1	6 1/4	1	6 1/4	1	6 1/4	1
6 1/2	1,553.79	6 1/2	1,194.40	6 1/2	834.64	6 1/2	488.36	6 1/2	135.07	6 1/2	1	6 1/2	1	6 1/2	1	6 1/2	1	6 1/2	1
6 3/4	1,546.34	6 3/4	1,186.91	6 3/4	827.14	6 3/4	481.12	6 3/4	127.77	6 3/4	1	6 3/4	1	6 3/4	1	6 3/4	1	6 3/4	1
7	1,538.88	7	1,179.41	7	819.65	7	473.89	7	120.48	7	1	7	1	7	1	7	1	7	1
7 1/4	1,531.43	7 1/4	1,171.92	7 1/4	812.41	7 1/4	466.39	7 1/4	112.98	7 1/4	1	7 1/4	1	7 1/4	1	7 1/4	1	7 1/4	1
7 1/2	1,523.98	7 1/2	1,164.42	7 1/2	805.18	7 1/2	458.89	7 1/2	105.47	7 1/2	1	7 1/2	1	7 1/2	1	7 1/2	1	7 1/2	1
7 3/4	1,516.52	7 3/4	1,156.93	7 3/4	797.95	7 3/4	451.39	7 3/4	97.97	7 3/4	1	7 3/4	1	7 3/4	1	7 3/4	1	7 3/4	1
8	1,509.07	8	1,149.43	8	790.72	8	443.89	8	90.47	8	1	8	1	8	1	8	1	8	1
8 1/4	1,501.60	8 1/4	1,141.94	8 1/4	783.51	8 1/4	436.38	8 1/4	82.97	8 1/4	1	8 1/4	1	8 1/4	1	8 1/4	1	8 1/4	1
8 1/2	1,494.12	8 1/2	1,134.44	8 1/2	776.31	8 1/2	428.88	8 1/2	75.47	8 1/2	1	8 1/2	1	8 1/2	1	8 1/2	1	8 1/2	1
8 3/4	1,486.65	8 3/4	1,126.95	8 3/4	769.11	8 3/4	421.38	8 3/4	67.96	8 3/4	1	8 3/4	1	8 3/4	1	8 3/4	1	8 3/4	1
9	1,479.18	9	1,119.45	9	761.90	9	413.88	9	60.46	9	1	9	1	9	1	9	1	9	1
9 1/4	1,471.68	9 1/4	1,111.95	9 1/4	754.71	9 1/4	406.38	9 1/4	53.90	9 1/4	1	9 1/4	1	9 1/4	1	9 1/4	1	9 1/4	1
9 1/2	1,464.19	9 1/2	1,104.46	9 1/2	747.51	9 1/2	398.88	9 1/2	47.33	9 1/2	1	9 1/2	1	9 1/2	1	9 1/2	1	9 1/2	1
9 3/4	1,456.70	9 3/4	1,096.97	9 3/4	740.32	9 3/4	391.38	9 3/4	40.77	9 3/4	1	9 3/4	1	9 3/4	1	9 3/4	1	9 3/4	1
10	1,449.20	10	1,089.47	10	733.12	10	383.88	10	34.21	10	1	10	1	10	1	10	1	10	1
10 1/4	1,441.71	10 1/4	1,081.98	10 1/4	725.92	10 1/4	376.38	10 1/4	29.51	10 1/4	1	10 1/4	1	10 1/4	1	10 1/4	1	10 1/4	1
10 1/2	1,434.22	10 1/2	1,074.48	10 1/2	718.73	10 1/2	368.88	10 1/2	24.81	10 1/2	1	10 1/2	1	10 1/2	1	10 1/2	1	10 1/2	1
10 3/4	1,426.72	10 3/4	1,066.99	10 3/4	711.53	10 3/4	361.38	10 3/4	20.12	10 3/4	1	10 3/4	1	10 3/4	1	10 3/4	1	10 3/4	1
11	1,419.23	11	1,059.49	11	704.33	11	353.88	11	15.42	11	1	11	1	11	1	11	1	11	1
11 1/4	1,411.74	11 1/4	1,052.00	11 1/4	697.14	11 1/4	346.59	11 1/4	11	11	1	11 1/4	1	11 1/4	1	11 1/4	1	11 1/4	1
11 1/2	1,404.25	11 1/2	1,044.50	11 1/2	689.94	11 1/2	339.30	11 1/2	11	11	1	11 1/2	1	11 1/2	1	11 1/2	1	11 1/2	1
11 3/4	1,396.75	11 3/4	1,037.01	11 3/4	682.75	11 3/4	332.01	11 3/4	11	11	1	11 3/4	1	11 3/4	1	11 3/4	1	11 3/4	1
12	1,389.26	12	1,029.51	12	675.55	12	324.71	12	11	11	1	12	1	12	1	12	1	12	1

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/29/2010 CL - SW  
CALCULATED: 06/29/2010 CL  
PRINTED: 06/29/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2010

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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