



**Barge "EMS 3044"**  
 Enterprise Marine Services LLC

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

$$\begin{aligned} \text{FWD. DRAFT} &= 2'-00" \\ \text{AFT DRAFT} &= 4'-00" \\ \text{DIFF.} &= 2'-00" \quad (\text{DOWN BY STERN}) \end{aligned}$$

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-5/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 235'-06"

June 2, 2010

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

<http://www.pmacorp.net>



**Barge "EMS 3044"**  
**Enterprise Marine Services LLC**  
**OUTAGE TABLE**

**1 PORT**  
**ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS				GAUGE HEIGHT 14'-10 3/4"								
	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.		
0	0	4,284.79	0	3,740.16	0	3,410.36	0	2,759.46	0	2,099.88	0	1,770.07
1/4	1/4	4,279.66	1/4	3,704.12	1/4	3,403.90	1/4	2,752.59	1/4	2,092.98	1/4	1,763.17
1/2	1/2	4,274.52	1/2	3,698.07	1/2	3,397.43	1/2	2,746.73	1/2	2,086.08	1/2	1,756.27
3/4	3/4	4,269.39	3/4	3,692.03	3/4	3,390.97	3/4	2,738.86	3/4	2,079.18	3/4	1,749.37
1	1	4,264.24	1	3,685.98	1	3,384.46	1	2,732.00	1	2,072.28	1	1,742.47
1/4	1/4	4,259.11	1/4	3,679.88	1/4	3,377.96	1/4	2,725.13	1/4	2,065.38	1/4	1,735.57
1/2	1/2	4,254.00	1/2	3,673.80	1/2	3,371.45	1/2	2,718.26	1/2	2,058.48	1/2	1,728.67
3/4	3/4	4,248.87	3/4	3,667.73	3/4	3,364.94	3/4	2,711.40	3/4	2,051.58	3/4	1,721.77
2	2	4,243.74	2	3,661.61	2	3,358.41	2	2,704.53	2	2,044.68	2	1,714.87
1/4	1/4	4,238.61	1/4	3,655.50	1/4	3,351.87	1/4	2,697.67	1/4	2,037.78	1/4	1,707.97
1/2	1/2	4,233.48	1/2	3,649.38	1/2	3,345.34	1/2	2,690.80	1/2	2,030.88	1/2	1,701.06
3/4	3/4	4,228.35	3/4	3,643.27	3/4	3,338.80	3/4	2,683.93	3/4	2,023.98	3/4	1,694.16
3	3	4,223.22	3	3,637.12	3	3,332.23	3	2,677.07	3	2,017.07	3	1,687.26
1/4	1/4	4,218.09	1/4	3,630.98	1/4	3,325.67	1/4	2,670.20	1/4	2,010.17	1/4	1,680.36
1/2	1/2	4,212.96	1/2	3,624.83	1/2	3,319.10	1/2	2,663.34	1/2	2,003.27	1/2	1,673.46
3/4	3/4	4,207.83	3/4	3,618.68	3/4	3,312.53	3/4	2,656.47	3/4	1,996.37	3/4	1,666.56
4	4	4,202.70	4	3,612.49	4	3,305.93	4	2,649.60	4	1,989.47	4	1,659.66
1/4	1/4	4,197.57	1/4	3,606.31	1/4	3,299.32	1/4	2,642.74	1/4	1,982.57	1/4	1,652.76
1/2	1/2	4,192.44	1/2	3,600.12	1/2	3,292.71	1/2	2,635.87	1/2	1,975.67	1/2	1,645.86
3/4	3/4	4,187.31	3/4	3,593.93	3/4	3,286.11	3/4	2,629.01	3/4	1,968.77	3/4	1,638.96
5	5	4,182.18	5	3,587.71	5	3,279.47	5	2,622.14	5	1,961.87	5	1,632.06
1/4	1/4	4,177.05	1/4	3,581.50	1/4	3,272.83	1/4	2,615.27	1/4	1,954.97	1/4	1,625.16
1/2	1/2	4,171.92	1/2	3,575.28	1/2	3,266.19	1/2	2,608.41	1/2	1,948.07	1/2	1,618.26
3/4	3/4	4,166.79	3/4	3,569.06	3/4	3,259.55	3/4	2,601.54	3/4	1,941.17	3/4	1,611.36
6	6	4,161.66	6	3,562.84	6	3,252.87	6	2,594.68	6	1,934.27	6	1,604.45
1/4	1/4	4,156.53	1/4	3,556.64	1/4	3,246.19	1/4	2,587.81	1/4	1,927.37	1/4	1,597.55
1/2	1/2	4,151.40	1/2	3,550.42	1/2	3,239.52	1/2	2,580.94	1/2	1,920.47	1/2	1,590.65
3/4	3/4	4,146.27	3/4	3,544.21	3/4	3,232.84	3/4	2,574.08	3/4	1,913.57	3/4	1,583.75
7	7	4,141.14	7	3,537.93	7	3,226.13	7	2,567.21	7	1,906.66	7	1,576.85
1/4	1/4	4,136.01	1/4	3,531.74	1/4	3,219.42	1/4	2,560.35	1/4	1,899.75	1/4	1,569.95
1/2	1/2	4,130.88	1/2	3,525.55	1/2	3,212.71	1/2	2,553.48	1/2	1,892.84	1/2	1,563.05
3/4	3/4	4,125.75	3/4	3,519.36	3/4	3,206.00	3/4	2,546.61	3/4	1,885.93	3/4	1,556.15
8	8	4,120.62	8	3,513.17	8	3,199.29	8	2,539.75	8	1,879.02	8	1,549.25
1/4	1/4	4,115.49	1/4	3,506.98	1/4	3,192.49	1/4	2,532.88	1/4	1,872.10	1/4	1,542.35
1/2	1/2	4,110.36	1/2	3,500.79	1/2	3,185.74	1/2	2,526.02	1/2	1,865.28	1/2	1,535.45
3/4	3/4	4,105.23	3/4	3,494.60	3/4	3,178.99	3/4	2,519.15	3/4	1,858.37	3/4	1,528.55
9	9	4,100.10	9	3,488.41	9	3,172.21	9	2,512.28	9	1,851.46	9	1,521.65
1/4	1/4	4,094.97	1/4	3,482.22	1/4	3,165.42	1/4	2,505.42	1/4	1,844.55	1/4	1,514.75
1/2	1/2	4,089.84	1/2	3,476.03	1/2	3,158.64	1/2	2,498.55	1/2	1,837.64	1/2	1,507.84
3/4	3/4	4,084.71	3/4	3,469.84	3/4	3,151.86	3/4	2,491.69	3/4	1,830.73	3/4	1,500.94
10	10	4,079.58	10	3,463.65	10	3,145.05	10	2,484.82	10	1,823.82	10	1,494.04
1/4	1/4	4,074.45	1/4	3,457.46	1/4	3,138.24	1/4	2,477.95	1/4	1,816.91	1/4	1,487.14
1/2	1/2	4,069.32	1/2	3,451.27	1/2	3,131.42	1/2	2,471.09	1/2	1,810.00	1/2	1,480.24
3/4	3/4	4,064.19	3/4	3,445.08	3/4	3,124.61	3/4	2,464.22	3/4	1,803.09	3/4	1,473.34
11	11	4,059.06	11	3,438.89	11	3,117.76	11	2,457.36	11	1,796.18	11	1,466.44
1/4	1/4	4,053.93	1/4	3,432.70	1/4	3,110.91	1/4	2,450.49	1/4	1,789.27	1/4	1,459.54
1/2	1/2	4,048.80	1/2	3,426.51	1/2	3,104.05	1/2	2,443.62	1/2	1,782.36	1/2	1,452.64
3/4	3/4	4,043.67	3/4	3,420.32	3/4	3,097.20	3/4	2,436.76	3/4	1,775.45	3/4	1,445.74

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'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
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Barge "EMS 3044"  
Enterprise Marine Services LLC

1 PORT

ULLAGE TABLE

OUTAGE 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.	
RI	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI
0	1,438.84	0	1,108.81	0	794.40	0	499.68	0	228.51	0	0	0	0	0	0	0	0	0	0
1/4	1,431.94	1/4	1,102.07	1/4	788.06	1/4	493.78	1/4	220.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,425.04	1/2	1,095.32	1/2	781.72	1/2	487.87	1/2	214.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,418.14	3/4	1,088.57	3/4	775.37	3/4	481.96	3/4	209.52	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,411.24	1	1,081.86	1	769.08	1	476.08	1	204.22	1	1	1	1	1	1	1	1	1	1
1/4	1,404.33	1/4	1,075.14	1/4	762.78	1/4	470.20	1/4	198.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,397.43	1/2	1,068.43	1/2	756.48	1/2	464.32	1/2	193.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,390.53	3/4	1,061.71	3/4	750.18	3/4	458.45	3/4	188.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,383.63	2	1,055.04	2	743.91	2	452.60	2	183.04	2	2	2	2	2	2	2	2	2	2
1/4	1,376.73	1/4	1,048.37	1/4	737.65	1/4	446.75	1/4	177.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,369.83	1/2	1,041.70	1/2	731.38	1/2	440.90	1/2	172.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,362.93	3/4	1,035.03	3/4	725.11	3/4	435.05	3/4	167.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,356.03	3	1,028.39	3	718.87	3	429.23	3	161.99	3	3	3	3	3	3	3	3	3	3
1/4	1,349.13	1/4	1,021.74	1/4	712.63	1/4	423.41	1/4	156.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,342.23	1/2	1,015.10	1/2	706.39	1/2	417.59	1/2	151.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,335.33	3/4	1,008.46	3/4	700.15	3/4	411.77	3/4	146.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,328.43	4	1,001.85	4	693.94	4	405.99	4	141.06	4	4	4	4	4	4	4	4	4	4
1/4	1,321.53	1/4	995.24	1/4	687.74	1/4	400.20	1/4	135.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,314.63	1/2	988.63	1/2	681.53	1/2	394.42	1/2	130.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,307.72	3/4	982.02	3/4	675.33	3/4	388.63	3/4	125.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,300.82	5	975.44	5	669.15	5	382.87	5	120.29	5	5	5	5	5	5	5	5	5	5
1/4	1,293.92	1/4	968.86	1/4	662.98	1/4	377.11	1/4	115.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,287.02	1/2	962.28	1/2	656.81	1/2	371.35	1/2	109.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,280.12	3/4	955.70	3/4	650.63	3/4	365.59	3/4	104.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,273.22	6	949.16	6	644.49	6	359.87	6	99.68	6	6	6	6	6	6	6	6	6	6
1/4	1,266.32	1/4	942.61	1/4	638.35	1/4	354.15	1/4	94.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,259.42	1/2	936.07	1/2	632.21	1/2	348.42	1/2	89.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,252.52	3/4	929.52	3/4	626.07	3/4	342.70	3/4	84.29	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,245.62	7	923.02	7	619.97	7	337.01	7	79.00	7	7	7	7	7	7	7	7	7	7
1/4	1,238.72	1/4	916.52	1/4	613.88	1/4	331.31	1/4	73.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,231.82	1/2	910.03	1/2	607.78	1/2	325.62	1/2	68.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,224.92	3/4	903.53	3/4	601.69	3/4	319.93	3/4	63.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,218.02	8	897.06	8	595.63	8	314.26	8	57.86	8	8	8	8	8	8	8	8	8	8
1/4	1,211.11	1/4	890.59	1/4	589.57	1/4	308.60	1/4	52.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,204.21	1/2	884.12	1/2	583.51	1/2	302.93	1/2	47.34	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,197.31	3/4	877.65	3/4	577.45	3/4	297.27	3/4	42.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,190.47	9	871.21	9	571.43	9	291.63	9	37.72	9	9	9	9	9	9	9	9	9	9
1/4	1,183.63	1/4	864.76	1/4	565.41	1/4	286.00	1/4	33.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,176.78	1/2	858.32	1/2	559.39	1/2	280.37	1/2	28.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,169.94	3/4	851.88	3/4	553.37	3/4	274.74	3/4	24.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,163.13	10	845.47	10	547.38	10	269.14	10	22.02	10	10	10	10	10	10	10	10	10	10
1/4	1,156.31	1/4	839.07	1/4	541.39	1/4	263.54	1/4	19.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,149.50	1/2	832.66	1/2	535.40	1/2	257.94	1/2	16.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,142.69	3/4	826.25	3/4	529.41	3/4	252.35	3/4	14.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,135.90	11	819.87	11	523.46	11	246.97	11	11.11	11	11	11	11	11	11	11	11	11	11
1/4	1,129.12	1/4	813.60	1/4	517.50	1/4	241.60	1/4	8.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,122.34	1/2	807.12	1/2	511.55	1/2	236.22	1/2	5.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,115.56	3/4	800.74	3/4	505.59	3/4	230.85	3/4	2.11	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: 06/01/2010 SW  
CALCULATED: 06/02/2010 CL  
PRINTED: 06/02/2010 CL  
CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2010

PRECISION MEASUREMENT  
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Pearland, Texas 77588  
http://www.pmacorp.net





**Barge "EMS 3044"**  
**Enterprise Marine Services LLC**  
 OUTAGE TABLE

**1 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	II	IN	II	IN	II	IN	II	IN	II	IN	II	IN	II	IN	II	IN	II	IN	II
0	1,437.65	0	1,107.63	0	793.23	0	499.01	0	225.50	0	0	0	0	0	0	0	0	0	0
1/4	1,430.75	1/4	1,100.89	1/4	786.88	1/4	493.13	1/4	220.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,423.85	1/2	1,094.14	1/2	780.54	1/2	487.25	1/2	214.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,416.95	3/4	1,087.39	3/4	774.20	3/4	481.36	3/4	209.50	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,410.05	1	1,080.68	1	767.90	1	475.51	1	204.20	1	1	1	1	1	1	1	1	1	1
1/4	1,403.15	1/4	1,073.96	1/4	761.60	1/4	469.65	1/4	198.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,396.25	1/2	1,067.25	1/2	755.31	1/2	463.80	1/2	193.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,389.35	3/4	1,060.53	3/4	749.01	3/4	457.94	3/4	188.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,382.45	2	1,053.86	2	742.74	2	452.12	2	183.02	2	2	2	2	2	2	2	2	2	2
1/4	1,375.55	1/4	1,047.19	1/4	736.47	1/4	446.29	1/4	177.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,368.65	1/2	1,040.52	1/2	730.20	1/2	440.46	1/2	172.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,361.75	3/4	1,033.85	3/4	723.93	3/4	434.64	3/4	167.21	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,354.85	3	1,027.21	3	717.70	3	428.84	3	161.97	3	3	3	3	3	3	3	3	3	3
1/4	1,347.95	1/4	1,020.57	1/4	711.46	1/4	423.05	1/4	156.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,341.05	1/2	1,013.92	1/2	705.22	1/2	417.25	1/2	151.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,334.15	3/4	1,007.28	3/4	698.98	3/4	411.46	3/4	146.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,327.24	4	1,000.67	4	692.77	4	405.70	4	141.05	4	4	4	4	4	4	4	4	4	4
1/4	1,320.34	1/4	994.05	1/4	686.57	1/4	399.94	1/4	135.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,313.44	1/2	987.45	1/2	680.36	1/2	394.17	1/2	130.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,306.54	3/4	980.84	3/4	674.15	3/4	388.41	3/4	125.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,299.64	5	974.26	5	667.98	5	382.68	5	120.28	5	5	5	5	5	5	5	5	5	5
1/4	1,292.74	1/4	967.68	1/4	661.81	1/4	376.94	1/4	115.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,285.84	1/2	961.10	1/2	655.63	1/2	371.21	1/2	109.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,278.94	3/4	954.52	3/4	649.46	3/4	365.47	3/4	104.80	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,272.04	6	947.98	6	643.32	6	359.77	6	99.67	6	6	6	6	6	6	6	6	6	6
1/4	1,265.14	1/4	941.43	1/4	637.18	1/4	354.07	1/4	94.54	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,258.24	1/2	934.89	1/2	631.04	1/2	348.37	1/2	89.41	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,251.34	3/4	928.34	3/4	624.90	3/4	342.68	3/4	84.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,244.44	7	921.84	7	618.83	7	336.98	7	78.99	7	7	7	7	7	7	7	7	7	7
1/4	1,237.54	1/4	915.35	1/4	612.75	1/4	331.29	1/4	73.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,230.64	1/2	908.85	1/2	606.68	1/2	325.59	1/2	68.41	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,223.74	3/4	902.35	3/4	600.61	3/4	319.90	3/4	63.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,216.83	8	895.88	8	594.57	8	314.24	8	57.86	8	8	8	8	8	8	8	8	8	8
1/4	1,209.93	1/4	889.41	1/4	588.54	1/4	308.57	1/4	52.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,203.03	1/2	882.94	1/2	582.50	1/2	302.91	1/2	47.34	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,196.13	3/4	876.47	3/4	576.47	3/4	297.24	3/4	42.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,189.29	9	870.03	9	570.47	9	291.61	9	37.72	9	9	9	9	9	9	9	9	9	9
1/4	1,182.45	1/4	863.59	1/4	564.47	1/4	285.98	1/4	33.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,175.60	1/2	857.15	1/2	558.48	1/2	280.35	1/2	28.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,168.76	3/4	850.71	3/4	552.48	3/4	274.72	3/4	24.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,161.95	10	844.30	10	546.52	10	269.12	10	22.02	10	10	10	10	10	10	10	10	10	10
1/4	1,155.13	1/4	837.89	1/4	540.55	1/4	263.52	1/4	19.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,148.32	1/2	831.48	1/2	534.59	1/2	257.92	1/2	16.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,141.51	3/4	825.07	3/4	528.62	3/4	252.32	3/4	14.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,134.72	11	818.70	11	522.69	11	246.95	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1,127.94	1/4	812.32	1/4	516.76	1/4	241.58	1/4	8	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,121.16	1/2	805.94	1/2	510.83	1/2	236.20	1/2	5	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,114.38	3/4	799.57	3/4	504.90	3/4	230.83	3/4	3	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: 06/01/2010 SW  
 CALCULATED: 06/02/2010 CL  
 PRINTED: 06/02/2010 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 3044" Enterprise Marine Services LLC OUTAGE TABLE

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

Table with 14 columns: Gauge Height (0 FT., 1 FT., 2 FT., 3 FT., 4 FT., 5 FT., 6 FT., 7 FT., 8 FT., 9 FT.), H, W, C, and numerical values. Includes a 'CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY' label.

BARRELS STRAPPED AND COMPUTED IN ACCORDANCE WITH ICHG CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES 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 61'-06" FORWARD OF AFT BULKHEAD.

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY. (Signature)



**Barge "EMS 3044"**  
Enterprise Marine Services LLC

**2 PORT**  
**ULLAGE TABLE**

OUTAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
		11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.									
0	1,899.61	0	1,123.91	0	736.28	0	349.68	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1,891.53	1/4	1,115.82	1/4	728.21	1/4	341.82	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,883.45	1/2	1,107.74	1/2	720.15	1/2	333.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,875.37	3/4	1,099.66	3/4	712.08	3/4	326.11	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	1,867.29	1	1,091.58	1	704.02	1	318.25	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1,859.21	1/4	1,083.50	1/4	695.95	1/4	310.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,851.13	1/2	1,075.42	1/2	687.89	1/2	302.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,843.05	3/4	1,067.34	3/4	679.83	3/4	294.68	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	1,834.97	2	1,059.26	2	671.76	2	286.82	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1,826.89	1/4	1,051.18	1/4	663.70	1/4	278.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,818.81	1/2	1,043.10	1/2	655.64	1/2	271.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,810.73	3/4	1,035.02	3/4	647.57	3/4	263.25	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	1,802.65	3	1,026.94	3	639.51	3	255.40	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1,794.57	1/4	1,018.86	1/4	631.45	1/4	247.54	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,786.49	1/2	1,010.78	1/2	623.38	1/2	239.68	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,778.41	3/4	1,002.70	3/4	615.32	3/4	231.82	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	1,770.33	4	994.62	4	607.25	4	223.97	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1,762.25	1/4	986.54	1/4	599.19	1/4	216.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,754.17	1/2	978.46	1/2	591.12	1/2	208.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,746.09	3/4	970.38	3/4	583.06	3/4	200.40	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	1,738.01	5	962.30	5	574.99	5	192.54	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1,729.93	1/4	954.22	1/4	566.92	1/4	184.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,721.85	1/2	946.14	1/2	558.85	1/2	176.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,713.77	3/4	938.06	3/4	550.78	3/4	168.97	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	1,705.69	6	929.98	6	542.71	6	161.11	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1,697.61	1/4	921.90	1/4	534.63	1/4	153.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,689.53	1/2	913.82	1/2	526.55	1/2	145.40	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,681.45	3/4	905.74	3/4	518.47	3/4	137.54	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	1,673.37	7	897.66	7	510.39	7	129.68	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1,665.29	1/4	889.58	1/4	502.31	1/4	121.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,657.21	1/2	881.50	1/2	494.23	1/2	113.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,649.12	3/4	873.42	3/4	486.15	3/4	105.44	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	1,641.04	8	865.34	8	478.07	8	97.36	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1,632.96	1/4	857.26	1/4	469.99	1/4	89.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,624.88	1/2	849.19	1/2	461.91	1/2	81.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,616.80	3/4	841.12	3/4	453.83	3/4	73.12	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	1,608.72	9	833.05	9	445.75	9	65.04	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1,600.64	1/4	824.99	1/4	437.67	1/4	57.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,592.56	1/2	816.92	1/2	429.59	1/2	50.90	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,584.48	3/4	808.86	3/4	421.51	3/4	43.83	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	1,576.40	10	800.79	10	413.43	10	36.76	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1,568.32	1/4	792.73	1/4	405.35	1/4	31.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,560.24	1/2	784.66	1/2	397.27	1/2	26.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,552.16	3/4	776.60	3/4	389.19	3/4	21.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,544.08	11	768.53	11	381.11	11	16.56	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1,536.00	1/4	760.47	1/4	373.25	1/4	11.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,527.92	1/2	752.41	1/2	365.39	1/2	6.46	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,519.84	3/4	744.34	3/4	357.54	3/4	1.41	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: 06/01/2010 SW  
CALCULATED: 06/02/2010 CL  
PRINTED: 06/02/2010 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 3044"  
Enterprise Marine Services LLC

OUTAGE TABLE

3 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.	
III	II	III	II	III	II	III	II	III	II	III	II	III	II	III	II	III	II	III	II
0	1,751.35	0	1,390.77	0	1,030.10	0	669.69	0	310.59	0	0	0	0	0	0	0	0	0	0
1/4	1,743.83	1/4	1,383.26	1/4	1,022.59	1/4	662.19	1/4	303.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,736.32	1/2	1,375.75	1/2	1,015.07	1/2	654.69	1/2	295.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,728.81	3/4	1,368.23	3/4	1,007.56	3/4	647.19	3/4	288.67	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,721.30	1	1,360.72	1	1,000.05	1	639.70	1	281.37	1	1	1	1	1	1	1	1	1	1
1/4	1,713.79	1/4	1,353.20	1/4	992.53	1/4	632.20	1/4	274.06	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,706.27	1/2	1,345.69	1/2	985.02	1/2	624.70	1/2	266.75	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,698.76	3/4	1,338.18	3/4	977.50	3/4	617.20	3/4	259.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,691.25	2	1,330.66	2	969.99	2	609.71	2	252.14	2	2	2	2	2	2	2	2	2	2
1/4	1,683.74	1/4	1,323.15	1/4	962.48	1/4	602.21	1/4	244.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,676.23	1/2	1,315.63	1/2	954.96	1/2	594.71	1/2	237.53	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,668.71	3/4	1,308.12	3/4	947.45	3/4	587.21	3/4	230.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,661.20	3	1,300.61	3	939.93	3	579.72	3	222.91	3	3	3	3	3	3	3	3	3	3
1/4	1,653.69	1/4	1,293.09	1/4	932.42	1/4	572.22	1/4	215.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,646.18	1/2	1,285.58	1/2	924.91	1/2	564.72	1/2	208.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,638.67	3/4	1,278.06	3/4	917.39	3/4	557.22	3/4	201.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,631.15	4	1,270.55	4	909.88	4	549.72	4	193.69	4	4	4	4	4	4	4	4	4	4
1/4	1,623.64	1/4	1,263.04	1/4	902.36	1/4	542.22	1/4	186.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,616.13	1/2	1,255.52	1/2	894.85	1/2	534.73	1/2	179.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,608.62	3/4	1,248.01	3/4	887.34	3/4	527.22	3/4	171.77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,601.11	5	1,240.49	5	879.82	5	519.72	5	164.46	5	5	5	5	5	5	5	5	5	5
1/4	1,593.59	1/4	1,232.98	1/4	872.31	1/4	512.21	1/4	157.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,586.08	1/2	1,225.47	1/2	864.79	1/2	504.71	1/2	149.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,578.57	3/4	1,217.95	3/4	857.28	3/4	497.19	3/4	142.54	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,571.06	6	1,210.44	6	849.77	6	489.68	6	135.24	6	6	6	6	6	6	6	6	6	6
1/4	1,563.55	1/4	1,202.92	1/4	842.25	1/4	482.17	1/4	127.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,556.03	1/2	1,195.41	1/2	834.74	1/2	474.65	1/2	120.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,548.52	3/4	1,187.90	3/4	827.22	3/4	467.14	3/4	113.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,541.01	7	1,180.38	7	819.71	7	459.62	7	105.60	7	7	7	7	7	7	7	7	7	7
1/4	1,533.50	1/4	1,172.87	1/4	812.20	1/4	452.11	1/4	98.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,525.99	1/2	1,165.35	1/2	804.68	1/2	444.60	1/2	90.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,518.47	3/4	1,157.84	3/4	797.18	3/4	437.08	3/4	83.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,510.96	8	1,150.33	8	789.67	8	429.57	8	75.54	8	8	8	8	8	8	8	8	8	8
1/4	1,503.45	1/4	1,142.81	1/4	782.17	1/4	422.06	1/4	68.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,495.94	1/2	1,135.30	1/2	774.66	1/2	414.54	1/2	60.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,488.43	3/4	1,127.78	3/4	767.16	3/4	407.03	3/4	53.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,480.91	9	1,120.27	9	759.67	9	399.51	9	47.36	9	9	9	9	9	9	9	9	9	9
1/4	1,473.40	1/4	1,112.76	1/4	752.17	1/4	392.00	1/4	40.79	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,465.89	1/2	1,105.24	1/2	744.67	1/2	384.49	1/2	34.21	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,458.38	3/4	1,097.73	3/4	737.17	3/4	376.97	3/4	29.52	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,450.87	10	1,090.21	10	729.67	10	369.46	10	24.82	10	10	10	10	10	10	10	10	10	10
1/4	1,443.35	1/4	1,082.70	1/4	722.17	1/4	361.95	1/4	20.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,435.84	1/2	1,075.19	1/2	714.68	1/2	354.43	1/2	15.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,428.33	3/4	1,067.67	3/4	707.18	3/4	347.13	3/4	11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,420.82	11	1,060.16	11	699.68	11	339.62	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1,413.31	1/4	1,052.64	1/4	692.18	1/4	332.51	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	1,405.79	1/2	1,045.13	1/2	684.68	1/2	325.21	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	1,398.28	3/4	1,037.62	3/4	677.18	3/4	317.90	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: 06/01/2010 SW  
CALCULATED: 06/02/2010 CL  
PRINTED: 06/02/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2010

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2082  
Pearland, Texas 77568  
<http://www.pmacorp.net>



# Barge "EMS 3044" Enterprise Marine Services LLC

## OUTAGE TABLE

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 1/2"

	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	4,330.96	4,109.86	3,915.67	3,699.35	3,460.99	3,166.44	2,808.16	2,449.05	2,091.62
1/4	1/4	4,325.36	4,106.04	3,911.39	3,694.63	3,455.79	3,158.99	2,800.68	2,441.57	2,084.12
1/2	1/2	4,319.75	4,102.22	3,907.12	3,689.90	3,450.60	3,151.55	2,793.20	2,434.08	2,076.63
3/4	3/4	4,314.42	4,098.36	3,902.81	3,685.12	3,445.39	3,144.10	2,786.60	2,426.60	2,069.13
1	1	4,307.09	4,094.51	3,898.50	3,680.34	3,440.18	3,136.65	2,778.23	2,419.11	2,061.64
1/4	1/4	4,300.74	4,090.66	3,894.18	3,675.57	3,434.96	3,129.20	2,770.75	2,411.63	2,054.14
1/2	1/2	4,294.44	4,086.80	3,889.87	3,670.79	3,429.75	3,121.75	2,763.27	2,404.14	2,046.64
3/4	3/4	4,289.26	4,082.90	3,885.52	3,665.99	3,424.54	3,114.31	2,755.78	2,396.66	2,039.15
2	2	4,284.08	4,079.01	3,881.16	3,661.18	3,419.33	3,106.86	2,748.30	2,389.17	2,031.65
1/4	1/4	4,278.91	4,075.11	3,876.81	3,656.37	3,414.12	3,099.41	2,740.82	2,381.69	2,024.15
1/2	1/2	4,273.73	4,071.21	3,872.46	3,651.57	3,408.90	3,091.96	2,733.33	2,374.20	2,016.66
3/4	3/4	4,268.55	4,067.28	3,868.06	3,646.72	3,403.69	3,084.51	2,725.85	2,366.72	2,009.16
3	3	4,263.37	4,063.35	3,863.67	3,641.87	3,398.48	3,077.05	2,718.37	2,359.23	2,001.67
1/4	1/4	4,258.20	4,059.41	3,859.28	3,637.02	3,393.27	3,069.62	2,710.88	2,351.75	1,994.17
1/2	1/2	4,253.02	4,055.48	3,854.89	3,632.17	3,388.06	3,062.17	2,703.40	2,344.26	1,986.67
3/4	3/4	4,247.84	4,051.50	3,850.46	3,627.28	3,382.88	3,054.72	2,695.92	2,336.78	1,979.18
4	4	4,242.67	4,047.53	3,846.02	3,622.39	3,377.70	3,047.27	2,688.44	2,329.29	1,971.68
1/4	1/4	4,237.49	4,043.55	3,841.58	3,617.50	3,372.52	3,039.82	2,680.95	2,321.81	1,964.18
1/2	1/2	4,232.32	4,039.57	3,837.15	3,612.60	3,367.35	3,032.37	2,673.47	2,314.32	1,956.68
3/4	3/4	4,227.14	4,035.56	3,832.68	3,607.68	3,362.17	3,024.93	2,665.99	2,306.84	1,949.19
5	5	4,221.97	4,031.55	3,828.21	3,602.75	3,356.99	3,017.48	2,658.50	2,299.35	1,941.69
1/4	1/4	4,216.79	4,027.54	3,823.74	3,597.83	3,351.81	3,010.03	2,651.02	2,291.87	1,934.19
1/2	1/2	4,211.62	4,023.53	3,819.27	3,592.90	3,346.64	3,002.58	2,643.54	2,284.38	1,926.69
3/4	3/4	4,206.44	4,019.50	3,814.76	3,587.93	3,341.46	2,995.13	2,636.05	2,276.89	1,919.20
6	6	4,201.27	4,015.46	3,810.24	3,582.96	3,336.28	2,987.69	2,628.57	2,269.39	1,911.70
1/4	1/4	4,196.09	4,011.42	3,805.73	3,577.99	3,331.10	2,980.24	2,621.09	2,261.89	1,904.20
1/2	1/2	4,190.92	4,007.38	3,801.21	3,573.02	3,325.93	2,972.79	2,613.61	2,254.39	1,896.70
3/4	3/4	4,185.74	4,003.31	3,796.66	3,568.01	3,319.60	2,965.31	2,606.12	2,247.03	1,889.21
7	7	4,180.72	3,999.23	3,792.12	3,563.01	3,313.27	2,957.82	2,598.64	2,239.67	1,881.71
1/4	1/4	4,175.55	3,995.15	3,787.57	3,558.01	3,306.94	2,950.34	2,591.16	2,232.32	1,874.21
1/2	1/2	4,170.38	3,991.07	3,783.02	3,553.00	3,300.61	2,942.86	2,583.67	2,224.96	1,866.71
3/4	3/4	4,165.20	3,986.95	3,778.44	3,547.95	3,293.37	2,935.37	2,576.19	2,217.60	1,859.24
8	8	4,160.27	3,982.84	3,773.86	3,542.90	3,285.69	2,927.89	2,568.71	2,210.24	1,851.76
1/4	1/4	4,155.10	3,978.72	3,769.28	3,537.85	3,278.23	2,920.41	2,561.22	2,202.88	1,844.29
1/2	1/2	4,150.00	3,974.61	3,764.70	3,532.80	3,270.77	2,912.93	2,553.74	2,195.53	1,836.81
3/4	3/4	4,144.88	3,970.45	3,760.07	3,527.72	3,263.31	2,905.44	2,546.25	2,188.16	1,829.36
9	9	4,140.00	3,966.29	3,755.45	3,522.64	3,255.85	2,897.96	2,538.76	2,180.79	1,821.91
1/4	1/4	4,135.00	3,962.13	3,750.83	3,517.56	3,248.39	2,890.48	2,531.28	2,173.42	1,814.45
1/2	1/2	4,130.00	3,957.98	3,746.20	3,512.47	3,240.92	2,882.99	2,523.79	2,166.05	1,807.00
3/4	3/4	4,125.00	3,953.78	3,741.55	3,507.36	3,233.48	2,875.51	2,516.32	2,158.69	1,799.55
10	10	4,120.00	3,949.59	3,736.90	3,502.24	3,226.03	2,868.03	2,508.85	2,151.32	1,792.09
1/4	1/4	4,115.00	3,945.40	3,732.25	3,497.13	3,218.58	2,860.54	2,501.38	2,143.96	1,784.64
1/2	1/2	4,110.00	3,941.21	3,727.60	3,492.01	3,211.13	2,853.06	2,493.92	2,136.59	1,777.19
3/4	3/4	4,105.00	3,936.96	3,722.90	3,486.85	3,203.68	2,845.58	2,486.44	2,129.10	1,769.74
11	11	4,100.00	3,932.72	3,718.20	3,481.69	3,196.24	2,838.10	2,478.97	2,121.60	1,762.28
1/4	1/4	4,095.00	3,928.47	3,713.51	3,476.53	3,188.79	2,830.61	2,471.50	2,114.11	1,754.83
1/2	1/2	4,090.00	3,924.22	3,708.81	3,471.37	3,181.34	2,823.13	2,464.02	2,106.61	1,747.38
3/4	3/4	4,085.00	3,919.95	3,704.08	3,466.18	3,173.89	2,815.65	2,456.54	2,099.11	1,739.92
4,336.57										

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.

CAPACITY POINT: (HERMETIC) LOCATED 12'-04" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77668

<http://www.pmacorp.net>



**Barge "EMS 3044"**  
Enterprise Marine Services LLC  
OUTAGE TABLE

**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.
0	1,732.47	0	1,014.40	661.08	0	310.09	0	0	0	0
1/4	1,725.02	1/4	1,006.91	653.88	1/4	302.80	1/4	1/4	1/4	1/4
1/2	1,717.57	1/2	999.41	646.69	1/2	295.50	1/2	1/2	1/2	1/2
3/4	1,710.11	3/4	991.92	639.49	3/4	288.21	3/4	3/4	3/4	3/4
1	1,702.66	1	984.42	632.30	1	280.92	1	1	1	1
1/4	1,695.21	1/4	976.93	625.11	1/4	273.62	1/4	1/4	1/4	1/4
1/2	1,687.76	1/2	969.43	617.91	1/2	266.33	1/2	1/2	1/2	1/2
3/4	1,680.30	3/4	961.94	610.72	3/4	259.04	3/4	3/4	3/4	3/4
2	1,672.85	2	954.45	603.52	2	251.74	2	2	2	2
1/4	1,665.40	1/4	946.95	596.33	1/4	244.45	1/4	1/4	1/4	1/4
1/2	1,657.94	1/2	939.46	589.14	1/2	237.16	1/2	1/2	1/2	1/2
3/4	1,650.49	3/4	931.96	581.94	3/4	229.87	3/4	3/4	3/4	3/4
3	1,643.04	3	924.47	574.75	3	222.57	3	3	3	3
1/4	1,635.59	1/4	916.97	567.55	1/4	215.28	1/4	1/4	1/4	1/4
1/2	1,628.13	1/2	909.48	560.35	1/2	207.99	1/2	1/2	1/2	1/2
3/4	1,620.68	3/4	901.98	553.16	3/4	200.69	3/4	3/4	3/4	3/4
4	1,613.23	4	894.49	545.96	4	193.40	4	4	4	4
1/4	1,605.77	1/4	887.00	538.77	1/4	186.11	1/4	1/4	1/4	1/4
1/2	1,598.32	1/2	879.50	531.57	1/2	178.81	1/2	1/2	1/2	1/2
3/4	1,590.87	3/4	872.01	524.37	3/4	171.52	3/4	3/4	3/4	3/4
5	1,583.42	5	864.51	517.17	5	164.23	5	5	5	5
1/4	1,575.96	1/4	857.02	509.97	1/4	156.93	1/4	1/4	1/4	1/4
1/2	1,568.51	1/2	849.52	502.77	1/2	149.64	1/2	1/2	1/2	1/2
3/4	1,561.06	3/4	842.03	495.53	3/4	142.35	3/4	3/4	3/4	3/4
6	1,553.60	6	834.54	488.30	6	135.05	6	6	6	6
1/4	1,546.15	1/4	827.04	481.06	1/4	127.76	1/4	1/4	1/4	1/4
1/2	1,538.70	1/2	819.55	473.83	1/2	120.46	1/2	1/2	1/2	1/2
3/4	1,531.25	3/4	812.32	466.33	3/4	112.96	3/4	3/4	3/4	3/4
7	1,523.79	7	805.08	458.83	7	105.46	7	7	7	7
1/4	1,516.34	1/4	797.85	451.33	1/4	97.96	1/4	1/4	1/4	1/4
1/2	1,508.89	1/2	790.62	443.83	1/2	90.46	1/2	1/2	1/2	1/2
3/4	1,501.42	3/4	783.42	436.33	3/4	82.96	3/4	3/4	3/4	3/4
8	1,493.94	8	776.22	428.83	8	75.46	8	8	8	8
1/4	1,486.47	1/4	769.01	421.33	1/4	67.95	1/4	1/4	1/4	1/4
1/2	1,479.00	1/2	761.81	413.83	1/2	60.45	1/2	1/2	1/2	1/2
3/4	1,471.51	3/4	754.62	406.33	3/4	53.89	3/4	3/4	3/4	3/4
9	1,464.01	9	747.42	398.84	9	47.33	9	9	9	9
1/4	1,456.52	1/4	740.23	391.34	1/4	40.76	1/4	1/4	1/4	1/4
1/2	1,449.03	1/2	733.03	383.84	1/2	34.20	1/2	1/2	1/2	1/2
3/4	1,441.54	3/4	725.84	376.34	3/4	29.51	3/4	3/4	3/4	3/4
10	1,434.04	10	718.64	368.84	10	24.81	10	10	10	10
1/4	1,426.55	1/4	711.45	361.34	1/4	20.12	1/4	1/4	1/4	1/4
1/2	1,419.06	1/2	704.25	353.84	1/2	15.42	1/2	1/2	1/2	1/2
3/4	1,411.57	3/4	697.05	346.55	3/4	10.73	3/4	3/4	3/4	3/4
11	1,404.08	11	689.86	339.26	11	6.04	11	11	11	11
1/4	1,396.59	1/4	682.66	331.97	1/4	1.35	1/4	1/4	1/4	1/4
1/2	1,389.10	1/2	675.47	324.67	1/2	0.66	1/2	1/2	1/2	1/2
3/4	1,381.60	3/4	668.27	317.38	3/4	0.00	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/01/2010 SW  
CALCULATED: 06/02/2010 CL  
PRINTED: 06/02/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2010

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