



Barge "EMS 3043"
Enterprise Marine Services LLC

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

(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 - 00-1/2"
 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'-09"

April 5, 2010

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

<http://www.pmacorp.net>



Barge "EMS 3043"

Enterprise Marine Services LLC

OUTAGE TABLE

1 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.	
0	0	4,284.79	0	3,989.77	0	3,710.16	0	3,410.36	0	3,090.32	0	2,759.46	0	2,429.89	0	2,099.88	0	1,770.07	
1/4	1/4	4,279.66	1/4	3,984.14	1/4	3,704.12	1/4	3,403.90	1/4	3,083.43	1/4	2,752.59	1/4	2,423.03	1/4	2,092.98	1/4	1,763.17	
1/2	1/2	4,274.52	1/2	3,978.52	1/2	3,698.07	1/2	3,397.47	1/2	3,076.55	1/2	2,745.73	1/2	2,416.16	1/2	2,086.08	1/2	1,756.27	
3/4	3/4	4,269.39	3/4	3,972.90	3/4	3,692.03	3/4	3,390.93	3/4	3,069.67	3/4	2,738.86	3/4	2,409.29	3/4	2,079.18	3/4	1,749.37	
1	1	4,262.54	1	3,967.24	1	3,685.95	1	3,384.46	1	3,062.76	1	2,732.00	1	2,402.43	1	2,072.28	1	1,742.47	
1/4	1/4	4,255.68	1/4	3,961.59	1/4	3,679.88	1/4	3,377.96	1/4	3,055.86	1/4	2,725.13	1/4	2,395.56	1/4	2,065.38	1/4	1,735.57	
1/2	1/2	4,248.83	1/2	3,955.93	1/2	3,673.80	1/2	3,371.45	1/2	3,048.96	1/2	2,718.26	1/2	2,388.70	1/2	2,058.48	1/2	1,728.67	
3/4	3/4	4,241.97	3/4	3,950.28	3/4	3,667.73	3/4	3,364.94	3/4	3,042.06	3/4	2,711.40	3/4	2,381.83	3/4	2,051.58	3/4	1,721.77	
2	2	4,235.12	2	3,944.58	2	3,661.61	2	3,358.41	2	3,035.16	2	2,704.53	2	2,374.96	2	2,044.68	2	1,714.87	
1/4	1/4	4,228.26	1/4	3,938.89	1/4	3,655.50	1/4	3,351.87	1/4	3,028.26	1/4	2,697.67	1/4	2,368.10	1/4	2,037.78	1/4	1,707.97	
1/2	1/2	4,221.40	1/2	3,933.19	1/2	3,649.38	1/2	3,345.34	1/2	3,021.36	1/2	2,690.80	1/2	2,361.23	1/2	2,030.88	1/2	1,701.06	
3/4	3/4	4,214.55	3/4	3,927.49	3/4	3,643.27	3/4	3,338.80	3/4	3,014.46	3/4	2,683.93	3/4	2,354.37	3/4	2,023.98	3/4	1,694.16	
3	3	4,207.69	3	3,921.77	3	3,637.12	3	3,332.23	3	3,007.56	3	2,677.07	3	2,347.50	3	2,017.07	3	1,687.26	
1/4	1/4	4,200.84	1/4	3,916.04	1/4	3,630.98	1/4	3,325.67	1/4	3,000.66	1/4	2,670.20	1/4	2,340.63	1/4	2,010.17	1/4	1,680.36	
1/2	1/2	4,193.98	1/2	3,910.32	1/2	3,624.83	1/2	3,319.10	1/2	2,993.76	1/2	2,663.34	1/2	2,333.77	1/2	2,003.27	1/2	1,673.46	
3/4	3/4	4,187.13	3/4	3,904.59	3/4	3,618.68	3/4	3,312.53	3/4	2,986.86	3/4	2,656.47	3/4	2,326.90	3/4	1,996.37	3/4	1,666.56	
4	4	4,180.27	4	3,898.82	4	3,612.49	4	3,305.93	4	2,979.96	4	2,649.60	4	2,320.04	4	1,989.47	4	1,659.66	
1/4	1/4	4,173.41	1/4	3,893.05	1/4	3,606.31	1/4	3,299.32	1/4	2,973.06	1/4	2,642.74	1/4	2,313.17	1/4	1,982.57	1/4	1,652.76	
1/2	1/2	4,166.56	1/2	3,887.28	1/2	3,600.12	1/2	3,292.71	1/2	2,966.16	1/2	2,635.87	1/2	2,306.30	1/2	1,975.67	1/2	1,645.86	
3/4	3/4	4,159.70	3/4	3,881.51	3/4	3,593.93	3/4	3,286.11	3/4	2,959.26	3/4	2,629.01	3/4	2,299.44	3/4	1,968.77	3/4	1,638.96	
5	5	4,152.85	5	3,875.71	5	3,587.71	5	3,279.47	5	2,952.36	5	2,622.14	5	2,292.57	5	1,961.87	5	1,632.06	
1/4	1/4	4,145.99	1/4	3,869.92	1/4	3,581.50	1/4	3,272.83	1/4	2,945.46	1/4	2,615.27	1/4	2,285.71	1/4	1,954.97	1/4	1,625.16	
1/2	1/2	4,139.14	1/2	3,864.12	1/2	3,575.28	1/2	3,266.19	1/2	2,938.56	1/2	2,608.41	1/2	2,278.84	1/2	1,948.07	1/2	1,618.26	
3/4	3/4	4,132.28	3/4	3,858.32	3/4	3,569.06	3/4	3,259.55	3/4	2,931.66	3/4	2,601.54	3/4	2,271.97	3/4	1,941.17	3/4	1,611.36	
6	6	4,125.43	6	3,852.49	6	3,562.80	6	3,252.87	6	2,924.76	6	2,594.68	6	2,265.11	6	1,934.27	6	1,604.45	
1/4	1/4	4,118.57	1/4	3,846.66	1/4	3,556.54	1/4	3,246.19	1/4	2,917.86	1/4	2,587.81	1/4	2,258.24	1/4	1,927.37	1/4	1,597.55	
1/2	1/2	4,111.71	1/2	3,840.83	1/2	3,550.28	1/2	3,239.52	1/2	2,910.96	1/2	2,580.94	1/2	2,250.78	1/2	1,920.47	1/2	1,590.65	
3/4	3/4	4,104.86	3/4	3,835.00	3/4	3,544.01	3/4	3,232.84	3/4	2,904.06	3/4	2,574.08	3/4	2,244.51	3/4	1,913.57	3/4	1,583.75	
7	7	4,099.45	7	3,829.13	7	3,537.73	7	3,226.13	7	2,897.16	7	2,567.21	7	2,237.64	7	1,906.76	7	1,576.85	
1/4	1/4	4,092.59	1/4	3,823.26	1/4	3,531.44	1/4	3,219.42	1/4	2,890.26	1/4	2,560.35	1/4	2,230.78	1/4	1,899.95	1/4	1,569.95	
1/2	1/2	4,085.74	1/2	3,817.39	1/2	3,525.15	1/2	3,212.71	1/2	2,883.36	1/2	2,553.48	1/2	2,223.91	1/2	1,893.13	1/2	1,563.05	
3/4	3/4	4,078.88	3/4	3,811.53	3/4	3,518.86	3/4	3,206.00	3/4	2,876.46	3/4	2,546.61	3/4	2,217.05	3/4	1,886.32	3/4	1,556.15	
8	8	4,072.37	8	3,805.62	8	3,512.54	8	3,199.24	8	2,869.56	8	2,539.75	8	2,210.18	8	1,879.51	8	1,549.25	
1/4	1/4	4,065.51	1/4	3,799.72	1/4	3,506.21	1/4	3,192.49	1/4	2,862.66	1/4	2,532.88	1/4	2,203.31	1/4	1,872.70	1/4	1,542.35	
1/2	1/2	4,058.66	1/2	3,793.82	1/2	3,499.89	1/2	3,185.74	1/2	2,855.76	1/2	2,526.02	1/2	2,196.45	1/2	1,865.88	1/2	1,535.45	
3/4	3/4	4,051.80	3/4	3,787.92	3/4	3,493.57	3/4	3,178.99	3/4	2,848.86	3/4	2,519.15	3/4	2,189.58	3/4	1,859.07	3/4	1,528.55	
9	9	4,045.35	9	3,781.98	9	3,487.21	9	3,172.21	9	2,841.96	9	2,512.28	9	2,182.68	9	1,852.26	9	1,521.65	
1/4	1/4	4,038.50	1/4	3,776.04	1/4	3,480.85	1/4	3,165.42	1/4	2,835.05	1/4	2,505.42	1/4	2,175.78	1/4	1,845.45	1/4	1,514.75	
1/2	1/2	4,031.64	1/2	3,770.10	1/2	3,474.49	1/2	3,158.64	1/2	2,828.15	1/2	2,498.55	1/2	2,168.88	1/2	1,838.64	1/2	1,507.84	
3/4	3/4	4,024.78	3/4	3,764.15	3/4	3,468.13	3/4	3,151.86	3/4	2,821.25	3/4	2,491.69	3/4	2,161.98	3/4	1,831.82	3/4	1,500.94	
10	10	4,018.31	10	3,758.18	10	3,461.74	10	3,145.05	10	2,814.39	10	2,484.80	10	2,155.08	10	1,825.01	10	1,494.04	
1/4	1/4	4,011.45	1/4	3,752.21	1/4	3,455.34	1/4	3,138.24	1/4	2,807.52	1/4	2,477.95	1/4	2,148.18	1/4	1,818.20	1/4	1,487.14	
1/2	1/2	4,004.59	1/2	3,746.24	1/2	3,448.95	1/2	3,131.42	1/2	2,800.66	1/2	2,471.28	1/2	2,141.28	1/2	1,811.39	1/2	1,480.24	
3/4	3/4	4,017.55	3/4	3,740.27	3/4	3,442.56	3/4	3,124.61	3/4	2,793.79	3/4	2,464.24	3/4	2,134.38	3/4	1,804.58	3/4	1,473.34	
11	11	4,012.01	11	3,734.25	11	3,436.13	11	3,117.76	11	2,786.92	11	2,457.36	11	2,127.48	11	1,797.67	11	1,466.44	
1/4	1/4	4,005.47	1/4	3,728.24	1/4	3,429.69	1/4	3,110.91	1/4	2,780.06	1/4	2,450.49	1/4	2,120.58	1/4	1,790.77	1/4	1,459.54	
1/2	1/2	4,000.93	1/2	3,722.22	1/2	3,423.26	1/2	3,104.05	1/2	2,773.19	1/2	2,443.62	1/2	2,113.68	1/2	1,783.87	1/2	1,452.64	
3/4	3/4	3,995.39	3/4	3,716.20	3/4	3,416.83	3/4	3,097.20	3/4	2,766.33	3/4	2,436.76	3/4	2,106.78	3/4	1,776.97	3/4	1,445.74	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27.

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'-03" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

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



Barge "EMS 3043"
Enterprise Marine Services LLC

1 PORT

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.	
1/4	3/4	1/4	3/4	1/4	3/4	1/4	3/4	1/4	3/4	1/4	3/4	1/4	3/4	1/4	3/4	1/4	3/4	1/4	3/4
0	1,438.84	0	1,108.81	0	794.40	0	499.68	0	225.51	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	1,095.52	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	968.88	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	1,135.99	11	819.87	11	523.46	11	246.97	11	11.59	11	11	11	11	11	11	11	11	11	11
1/4	1,129.12	1/4	813.50	1/4	517.50	1/4	241.60	1/4	9.08	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	6.57	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	4.06	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: 04/06/2010 CL - SW
CALCULATED: 04/06/2010 CL
PRINTED: 04/06/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2010

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



Barge "EMS 3043"

Enterprise Marine Services LLC

1 STBD ULLAGE TABLE

OUTAGE 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.	
0	4,282.45	0	3,987.51	0	3,707.99	0	3,408.28	0	3,088.32	0	2,757.55	0	2,428.07	0	2,098.14	0	1,768.42		
1/4	4,277.32	1/4	3,981.89	1/4	3,701.95	1/4	3,401.81	1/4	3,081.43	1/4	2,750.69	1/4	2,421.21	1/4	2,091.25	1/4	1,761.52		
1/2	4,272.18	1/2	3,976.26	1/2	3,695.90	1/2	3,395.35	1/2	3,074.55	1/2	2,743.82	1/2	2,414.34	1/2	2,084.35	1/2	1,754.62		
3/4	4,267.05	3/4	3,970.64	3/4	3,689.86	3/4	3,388.89	3/4	3,067.67	3/4	2,736.96	3/4	2,407.48	3/4	2,074.45	3/4	1,747.72		
1	4,260.20	1	3,964.99	1	3,683.79	1	3,382.38	1	3,060.77	1	2,730.10	1	2,400.61	1	2,070.55	1	1,740.82		
1/4	4,253.34	1/4	3,959.34	1/4	3,677.71	1/4	3,375.88	1/4	3,053.87	1/4	2,723.23	1/4	2,393.65	1/4	2,063.65	1/4	1,733.92		
1/2	4,246.49	1/2	3,953.68	1/2	3,671.64	1/2	3,369.37	1/2	3,046.97	1/2	2,716.37	1/2	2,386.89	1/2	2,056.75	1/2	1,727.02		
3/4	4,239.64	3/4	3,948.03	3/4	3,665.57	3/4	3,362.87	3/4	3,040.08	3/4	2,709.50	3/4	2,380.02	3/4	2,049.85	3/4	1,720.13		
2	4,232.78	2	3,942.34	2	3,659.45	2	3,356.34	2	3,033.18	2	2,702.64	2	2,373.16	2	2,042.96	2	1,713.23		
1/4	4,225.93	1/4	3,936.64	1/4	3,653.34	1/4	3,349.80	1/4	3,026.28	1/4	2,695.77	1/4	2,366.29	1/4	2,036.06	1/4	1,706.33		
1/2	4,219.07	1/2	3,930.95	1/2	3,647.23	1/2	3,343.27	1/2	3,019.38	1/2	2,689.43	1/2	2,359.43	1/2	2,029.16	1/2	1,699.43		
3/4	4,212.22	3/4	3,925.25	3/4	3,641.12	3/4	3,336.74	3/4	3,012.48	3/4	2,682.05	3/4	2,352.56	3/4	2,022.26	3/4	1,692.53		
3	4,205.37	3	3,919.53	3	3,634.97	3	3,330.17	3	3,005.58	3	2,675.18	3	2,345.70	3	2,015.36	3	1,685.63		
1/4	4,198.51	1/4	3,913.80	1/4	3,628.83	1/4	3,323.60	1/4	2,998.69	1/4	2,668.32	1/4	2,338.84	1/4	2,008.46	1/4	1,678.73		
1/2	4,191.66	1/2	3,908.08	1/2	3,622.68	1/2	3,317.04	1/2	2,991.79	1/2	2,661.45	1/2	2,331.97	1/2	2,001.56	1/2	1,671.83		
3/4	4,184.80	3/4	3,902.36	3/4	3,616.54	3/4	3,310.47	3/4	2,984.89	3/4	2,654.59	3/4	2,325.11	3/4	1,994.67	3/4	1,664.94		
4	4,177.95	4	3,896.59	4	3,610.35	4	3,303.87	4	2,977.99	4	2,647.73	4	2,318.24	4	1,987.77	4	1,658.04		
1/4	4,171.10	1/4	3,890.82	1/4	3,604.16	1/4	3,297.26	1/4	2,971.09	1/4	2,640.86	1/4	2,311.38	1/4	1,980.87	1/4	1,651.14		
1/2	4,164.24	1/2	3,885.05	1/2	3,597.98	1/2	3,290.66	1/2	2,964.19	1/2	2,634.00	1/2	2,304.52	1/2	1,973.97	1/2	1,644.24		
3/4	4,157.39	3/4	3,879.28	3/4	3,591.79	3/4	3,284.06	3/4	2,957.30	3/4	2,627.13	3/4	2,297.65	3/4	1,967.07	3/4	1,637.34		
5	4,150.54	5	3,873.49	5	3,585.58	5	3,277.42	5	2,950.40	5	2,620.27	5	2,290.92	5	1,960.17	5	1,630.44		
1/4	4,143.68	1/4	3,867.69	1/4	3,579.36	1/4	3,270.78	1/4	2,943.50	1/4	2,613.40	1/4	2,283.92	1/4	1,953.28	1/4	1,623.54		
1/2	4,136.83	1/2	3,861.90	1/2	3,573.14	1/2	3,264.15	1/2	2,936.60	1/2	2,606.54	1/2	2,277.06	1/2	1,946.38	1/2	1,616.64		
3/4	4,129.97	3/4	3,856.10	3/4	3,566.93	3/4	3,257.51	3/4	2,929.70	3/4	2,599.68	3/4	2,270.19	3/4	1,939.48	3/4	1,609.74		
6	4,123.12	6	3,850.27	6	3,560.67	6	3,250.83	6	2,922.81	6	2,592.81	6	2,263.33	6	1,932.58	6	1,602.85		
1/4	4,116.27	1/4	3,844.45	1/4	3,554.41	1/4	3,244.15	1/4	2,915.91	1/4	2,585.95	1/4	2,256.47	1/4	1,925.68	1/4	1,595.95		
1/2	4,109.41	1/2	3,838.62	1/2	3,548.15	1/2	3,237.48	1/2	2,909.01	1/2	2,579.08	1/2	2,249.60	1/2	1,918.78	1/2	1,589.05		
3/4	4,102.56	3/4	3,832.79	3/4	3,541.89	3/4	3,230.80	3/4	2,902.11	3/4	2,572.22	3/4	2,242.74	3/4	1,911.88	3/4	1,582.15		
7	4,095.71	7	3,826.92	7	3,535.60	7	3,224.09	7	2,895.21	7	2,565.36	7	2,235.87	7	1,905.07	7	1,575.25		
1/4	4,091.75	1/4	3,821.05	1/4	3,529.32	1/4	3,217.38	1/4	2,888.31	1/4	2,558.49	1/4	2,229.01	1/4	1,898.26	1/4	1,568.35		
1/2	4,086.35	1/2	3,815.19	1/2	3,523.03	1/2	3,210.68	1/2	2,881.42	1/2	2,551.63	1/2	2,222.15	1/2	1,891.45	1/2	1,561.45		
3/4	4,080.95	3/4	3,809.32	3/4	3,516.74	3/4	3,203.97	3/4	2,874.52	3/4	2,544.76	3/4	2,215.28	3/4	1,884.64	3/4	1,554.55		
8	4,075.51	8	3,803.42	8	3,510.42	8	3,197.22	8	2,867.62	8	2,537.90	8	2,208.42	8	1,877.83	8	1,547.66		
1/4	4,070.08	1/4	3,797.52	1/4	3,504.10	1/4	3,190.47	1/4	2,860.72	1/4	2,531.03	1/4	2,201.55	1/4	1,871.02	1/4	1,540.76		
1/2	4,064.64	1/2	3,791.62	1/2	3,497.78	1/2	3,183.72	1/2	2,853.82	1/2	2,524.17	1/2	2,194.69	1/2	1,864.21	1/2	1,533.86		
3/4	4,059.21	3/4	3,785.72	3/4	3,491.46	3/4	3,176.96	3/4	2,846.92	3/4	2,517.31	3/4	2,187.82	3/4	1,857.40	3/4	1,526.96		
9	4,053.73	9	3,779.78	9	3,485.10	9	3,170.18	9	2,840.03	9	2,510.44	9	2,180.93	9	1,850.59	9	1,520.06		
1/4	4,048.25	1/4	3,773.84	1/4	3,478.74	1/4	3,163.41	1/4	2,833.13	1/4	2,503.58	1/4	2,174.03	1/4	1,843.78	1/4	1,513.16		
1/2	4,042.78	1/2	3,767.90	1/2	3,472.39	1/2	3,156.63	1/2	2,826.23	1/2	2,496.71	1/2	2,167.13	1/2	1,836.97	1/2	1,506.26		
3/4	4,037.30	3/4	3,761.96	3/4	3,466.03	3/4	3,149.85	3/4	2,819.33	3/4	2,489.85	3/4	2,160.23	3/4	1,830.15	3/4	1,499.36		
10	4,031.79	10	3,755.99	10	3,459.64	10	3,143.04	10	2,812.47	10	2,482.98	10	2,153.34	10	1,823.34	10	1,492.47		
1/4	4,026.29	1/4	3,750.02	1/4	3,453.25	1/4	3,136.22	1/4	2,805.60	1/4	2,476.12	1/4	2,146.43	1/4	1,816.53	1/4	1,485.57		
1/2	4,020.78	1/2	3,744.05	1/2	3,446.85	1/2	3,129.41	1/2	2,798.74	1/2	2,469.26	1/2	2,139.53	1/2	1,809.72	1/2	1,478.67		
3/4	4,015.28	3/4	3,738.08	3/4	3,440.46	3/4	3,122.60	3/4	2,791.87	3/4	2,462.39	3/4	2,132.64	3/4	1,802.91	3/4	1,471.77		
11	4,009.74	11	3,732.07	11	3,434.03	11	3,115.75	11	2,785.01	11	2,455.53	11	2,125.74	11	1,796.01	11	1,464.84		
1/4	4,004.24	1/4	3,726.06	1/4	3,427.60	1/4	3,108.90	1/4	2,778.15	1/4	2,448.66	1/4	2,118.84	1/4	1,789.11	1/4	1,457.97		
1/2	3,998.67	1/2	3,720.04	1/2	3,421.17	1/2	3,102.05	1/2	2,771.28	1/2	2,441.80	1/2	2,111.94	1/2	1,782.21	1/2	1,451.07		
3/4	3,993.13	3/4	3,714.03	3/4	3,414.74	3/4	3,095.20	3/4	2,764.42	3/4	2,434.94	3/4	2,105.04	3/4	1,775.32	3/4	1,444.17		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IHPMS 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'-03" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77568

<http://www.pmacorp.net>



Barge "EMS 3043"
Enterprise Marine Services LLC

1 STBD
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.	
1/4	3/4	1/4	3/4	1/4	3/4	1/4	3/4	1/4	3/4	1/4	3/4	1/4	3/4	1/4	3/4	1/4	3/4	1/4	3/4
0	1,437.27	0	1,107.34	0	793.02	0	498.88	0	225.44	0	0	0	0	0	0	0	0	0	0
1/4	1,430.38	1/4	1,100.60	1/4	786.68	1/4	493.00	1/4	220.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,423.48	1/2	1,093.85	1/2	780.33	1/2	487.12	1/2	214.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,416.58	3/4	1,087.10	3/4	773.99	3/4	481.23	3/4	209.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,409.68	1	1,080.39	1	767.70	1	475.38	1	204.15	1	1	1	1	1	1	1	1	1	1
1/4	1,402.78	1/4	1,073.68	1/4	761.40	1/4	469.53	1/4	198.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,395.88	1/2	1,066.97	1/2	755.11	1/2	463.67	1/2	193.55	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,388.98	3/4	1,060.25	3/4	748.81	3/4	457.82	3/4	188.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,382.08	2	1,053.58	2	742.54	2	452.00	2	182.98	2	2	2	2	2	2	2	2	2	2
1/4	1,375.19	1/4	1,046.91	1/4	736.28	1/4	446.17	1/4	177.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,368.29	1/2	1,040.25	1/2	730.01	1/2	440.35	1/2	172.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,361.39	3/4	1,033.58	3/4	723.74	3/4	434.52	3/4	167.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,354.49	3	1,026.94	3	717.51	3	428.73	3	161.93	3	3	3	3	3	3	3	3	3	3
1/4	1,347.59	1/4	1,020.30	1/4	711.27	1/4	422.94	1/4	156.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,340.69	1/2	1,013.66	1/2	705.03	1/2	417.14	1/2	151.46	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,333.79	3/4	1,007.01	3/4	698.79	3/4	411.35	3/4	146.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,326.89	4	1,000.41	4	692.59	4	405.59	4	141.02	4	4	4	4	4	4	4	4	4	4
1/4	1,320.00	1/4	993.80	1/4	686.38	1/4	399.83	1/4	135.81	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,313.10	1/2	987.19	1/2	680.18	1/2	394.07	1/2	130.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,306.20	3/4	980.58	3/4	673.97	3/4	388.31	3/4	125.40	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,299.30	5	974.00	5	667.80	5	382.58	5	120.25	5	5	5	5	5	5	5	5	5	5
1/4	1,292.40	1/4	967.42	1/4	661.63	1/4	376.84	1/4	115.09	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,285.50	1/2	960.85	1/2	655.46	1/2	371.11	1/2	109.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,278.60	3/4	954.27	3/4	649.29	3/4	365.37	3/4	104.78	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,271.70	6	947.73	6	643.15	6	359.68	6	99.65	6	6	6	6	6	6	6	6	6	6
1/4	1,264.80	1/4	941.18	1/4	637.01	1/4	353.98	1/4	94.52	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,257.91	1/2	934.64	1/2	630.87	1/2	348.28	1/2	89.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,251.01	3/4	928.10	3/4	624.73	3/4	342.58	3/4	84.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,244.11	7	921.60	7	618.66	7	336.89	7	78.97	7	7	7	7	7	7	7	7	7	7
1/4	1,237.21	1/4	915.10	1/4	612.59	1/4	331.20	1/4	73.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,230.31	1/2	908.61	1/2	606.52	1/2	325.51	1/2	68.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,223.41	3/4	902.11	3/4	600.45	3/4	319.82	3/4	63.10	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,216.51	8	895.64	8	594.42	8	314.15	8	57.84	8	8	8	8	8	8	8	8	8	8
1/4	1,209.61	1/4	889.17	1/4	588.38	1/4	308.49	1/4	52.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,202.72	1/2	882.71	1/2	582.35	1/2	302.83	1/2	47.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,195.82	3/4	876.24	3/4	576.32	3/4	297.16	3/4	42.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,188.98	9	869.80	9	570.32	9	291.53	9	37.71	9	9	9	9	9	9	9	9	9	9
1/4	1,182.13	1/4	863.36	1/4	564.33	1/4	285.90	1/4	33.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,175.29	1/2	856.92	1/2	558.33	1/2	280.28	1/2	28.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,168.45	3/4	850.48	3/4	552.33	3/4	274.65	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	1,161.64	10	844.07	10	546.37	10	269.05	10	22.01	10	10	10	10	10	10	10	10	10	10
1/4	1,154.83	1/4	837.67	1/4	540.41	1/4	263.45	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	1,148.02	1/2	831.26	1/2	534.45	1/2	257.85	1/2	16.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,141.20	3/4	824.85	3/4	528.48	3/4	252.26	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	1,134.42	11	818.48	11	522.55	11	246.88	11	11.11	11	11	11	11	11	11	11	11	11	11
1/4	1,127.65	1/4	812.11	1/4	516.62	1/4	241.51	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	1,120.87	1/2	805.73	1/2	510.69	1/2	236.14	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	1,114.09	3/4	799.36	3/4	504.77	3/4	230.77	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: 04/05/2010 CL - SW
CALCULATED: 04/05/2010 CL
PRINTED: 04/05/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2010

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



Barge "EMS 3043"
Enterprise Marine Services LLC

OUTAGE TABLE

2 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.	
U	W	U	W	U	W	U	W	U	W	U	W	U	W	U	W	U	W	U	W
0	0	5,222.79	0	4,877.36	0	4,549.96	0	4,198.94	0	3,824.24	0	3,436.89	0	3,051.07	0	2,664.72	0	2,278.88	
1/4	1/4	5,216.78	1/4	4,870.78	1/4	4,542.89	1/4	4,191.38	1/4	3,816.18	1/4	3,428.82	1/4	3,043.03	1/4	2,656.64	1/4	2,270.80	
1/2	1/2	5,210.77	1/2	4,864.19	1/2	4,535.81	1/2	4,183.81	1/2	3,808.12	1/2	3,420.82	1/2	3,034.96	1/2	2,648.58	1/2	2,262.72	
3/4	3/4	5,204.76	3/4	4,857.61	3/4	4,528.73	3/4	4,176.24	3/4	3,800.06	3/4	3,412.78	3/4	3,026.99	3/4	2,640.48	3/4	2,254.64	
1	1	5,196.74	1	4,850.99	1	4,521.62	1	4,168.62	1	3,791.98	1	3,404.74	1	3,018.92	1	2,632.41	1	2,246.57	
1/4	1/4	5,188.71	1/4	4,844.36	1/4	4,514.51	1/4	4,161.00	1/4	3,783.90	1/4	3,396.70	1/4	3,010.88	1/4	2,624.33	1/4	2,238.49	
1/2	1/2	5,180.68	1/2	4,837.74	1/2	4,507.39	1/2	4,153.38	1/2	3,775.82	1/2	3,388.67	1/2	3,002.84	1/2	2,616.25	1/2	2,230.41	
3/4	3/4	5,172.66	3/4	4,831.12	3/4	4,500.28	3/4	4,145.77	3/4	3,767.75	3/4	3,380.60	3/4	2,994.80	3/4	2,608.17	3/4	2,222.33	
2	2	5,164.63	2	4,824.45	2	4,493.12	2	4,138.11	2	3,759.67	2	3,372.59	2	2,986.77	2	2,600.09	2	2,214.25	
1/4	1/4	5,156.61	1/4	4,817.78	1/4	4,485.96	1/4	4,130.46	1/4	3,751.59	1/4	3,364.55	1/4	2,978.73	1/4	2,592.01	1/4	2,206.17	
1/2	1/2	5,148.58	1/2	4,811.11	1/2	4,478.80	1/2	4,122.81	1/2	3,743.51	1/2	3,356.51	1/2	2,970.69	1/2	2,583.94	1/2	2,198.10	
3/4	3/4	5,140.55	3/4	4,804.44	3/4	4,471.64	3/4	4,115.16	3/4	3,735.43	3/4	3,348.48	3/4	2,962.65	3/4	2,575.86	3/4	2,190.02	
3	3	5,132.53	3	4,797.74	3	4,464.44	3	4,107.47	3	3,727.35	3	3,340.44	3	2,954.61	3	2,567.78	3	2,181.94	
1/4	1/4	5,124.50	1/4	4,791.03	1/4	4,457.25	1/4	4,099.78	1/4	3,719.28	1/4	3,332.40	1/4	2,946.58	1/4	2,559.70	1/4	2,173.86	
1/2	1/2	5,116.47	1/2	4,784.33	1/2	4,450.05	1/2	4,092.09	1/2	3,711.20	1/2	3,324.36	1/2	2,938.54	1/2	2,551.62	1/2	2,165.78	
3/4	3/4	5,108.45	3/4	4,777.62	3/4	4,442.85	3/4	4,084.41	3/4	3,703.12	3/4	3,316.32	3/4	2,930.50	3/4	2,543.54	3/4	2,157.70	
4	4	5,100.42	4	4,770.87	4	4,435.61	4	4,076.67	4	3,695.04	4	3,308.29	4	2,922.46	4	2,535.46	4	2,149.62	
1/4	1/4	5,092.40	1/4	4,764.11	1/4	4,428.36	1/4	4,068.94	1/4	3,686.96	1/4	3,300.25	1/4	2,914.42	1/4	2,527.39	1/4	2,141.55	
1/2	1/2	5,084.37	1/2	4,757.35	1/2	4,421.12	1/2	4,061.20	1/2	3,678.88	1/2	3,292.21	1/2	2,906.39	1/2	2,519.31	1/2	2,133.47	
3/4	3/4	5,076.34	3/4	4,750.60	3/4	4,413.87	3/4	4,053.47	3/4	3,670.80	3/4	3,284.17	3/4	2,898.35	3/4	2,511.23	3/4	2,125.39	
5	5	5,068.32	5	4,743.81	5	4,406.59	5	4,045.69	5	3,662.73	5	3,276.13	5	2,890.31	5	2,503.15	5	2,117.31	
1/4	1/4	5,060.29	1/4	4,737.02	1/4	4,399.31	1/4	4,037.92	1/4	3,654.65	1/4	3,268.10	1/4	2,882.27	1/4	2,495.07	1/4	2,109.23	
1/2	1/2	5,052.26	1/2	4,730.23	1/2	4,392.03	1/2	4,030.15	1/2	3,646.57	1/2	3,260.06	1/2	2,874.23	1/2	2,486.99	1/2	2,101.15	
3/4	3/4	5,044.24	3/4	4,723.44	3/4	4,384.75	3/4	4,022.38	3/4	3,638.49	3/4	3,252.02	3/4	2,866.20	3/4	2,478.91	3/4	2,093.07	
6	6	5,036.21	6	4,716.62	6	4,377.42	6	4,014.56	6	3,630.31	6	3,243.98	6	2,858.16	6	2,470.84	6	2,085.06	
1/4	1/4	5,028.18	1/4	4,709.79	1/4	4,370.09	1/4	4,006.74	1/4	3,622.33	1/4	3,235.94	1/4	2,850.12	1/4	2,462.76	1/4	2,076.92	
1/2	1/2	5,020.16	1/2	4,702.97	1/2	4,362.76	1/2	3,998.92	1/2	3,614.26	1/2	3,227.91	1/2	2,842.08	1/2	2,454.68	1/2	2,068.84	
3/4	3/4	5,012.13	3/4	4,696.14	3/4	4,355.43	3/4	3,991.10	3/4	3,606.18	3/4	3,219.87	3/4	2,834.04	3/4	2,446.60	3/4	2,060.76	
7	7	5,004.10	7	4,689.27	7	4,348.07	7	3,983.24	7	3,598.10	7	3,211.83	7	2,826.01	7	2,438.64	7	2,052.68	
1/4	1/4	5,000.80	1/4	4,682.39	1/4	4,340.70	1/4	3,975.39	1/4	3,590.02	1/4	3,203.79	1/4	2,817.97	1/4	2,430.68	1/4	2,044.60	
1/2	1/2	4,993.14	1/2	4,675.82	1/2	4,333.34	1/2	3,967.53	1/2	3,581.94	1/2	3,195.75	1/2	2,809.93	1/2	2,422.73	1/2	2,036.53	
3/4	3/4	4,986.81	3/4	4,668.66	3/4	4,325.97	3/4	3,959.68	3/4	3,573.86	3/4	3,187.72	3/4	2,801.89	3/4	2,414.77	3/4	2,028.45	
8	8	4,980.45	8	4,661.74	8	4,318.57	8	3,951.77	8	3,565.79	8	3,179.68	8	2,793.85	8	2,406.81	8	2,020.37	
1/4	1/4	4,974.08	1/4	4,654.83	1/4	4,311.17	1/4	3,943.86	1/4	3,557.71	1/4	3,171.64	1/4	2,785.82	1/4	2,398.85	1/4	2,012.29	
1/2	1/2	4,967.72	1/2	4,647.92	1/2	4,303.77	1/2	3,935.96	1/2	3,549.63	1/2	3,163.60	1/2	2,777.78	1/2	2,390.89	1/2	2,004.21	
3/4	3/4	4,961.35	3/4	4,641.01	3/4	4,296.37	3/4	3,928.05	3/4	3,541.55	3/4	3,155.56	3/4	2,769.74	3/4	2,382.94	3/4	1,996.13	
9	9	4,954.94	9	4,634.06	9	4,288.92	9	3,920.11	9	3,533.47	9	3,147.53	9	2,761.66	9	2,374.98	9	1,988.05	
1/4	1/4	4,948.52	1/4	4,627.10	1/4	4,281.47	1/4	3,912.17	1/4	3,525.39	1/4	3,139.49	1/4	2,753.58	1/4	2,367.02	1/4	1,979.98	
1/2	1/2	4,942.10	1/2	4,620.14	1/2	4,274.03	1/2	3,904.23	1/2	3,517.32	1/2	3,131.45	1/2	2,745.51	1/2	2,359.06	1/2	1,971.90	
3/4	3/4	4,935.69	3/4	4,613.18	3/4	4,266.58	3/4	3,896.30	3/4	3,509.24	3/4	3,123.41	3/4	2,737.43	3/4	2,351.10	3/4	1,963.82	
10	10	4,929.24	10	4,606.19	10	4,259.09	10	3,888.32	10	3,501.20	10	3,115.37	10	2,729.35	10	2,343.15	10	1,955.74	
1/4	1/4	4,922.79	1/4	4,599.20	1/4	4,251.61	1/4	3,880.34	1/4	3,493.16	1/4	3,107.34	1/4	2,721.27	1/4	2,335.19	1/4	1,947.66	
1/2	1/2	4,916.34	1/2	4,592.21	1/2	4,244.13	1/2	3,872.37	1/2	3,485.12	1/2	3,099.30	1/2	2,713.19	1/2	2,327.23	1/2	1,939.58	
3/4	3/4	4,909.89	3/4	4,585.21	3/4	4,236.64	3/4	3,864.39	3/4	3,477.08	3/4	3,091.26	3/4	2,705.11	3/4	2,319.27	3/4	1,931.50	
11	11	4,903.41	11	4,578.17	11	4,229.11	11	3,856.37	11	3,469.05	11	3,083.22	11	2,697.03	11	2,311.19	11	1,923.43	
1/4	1/4	4,896.92	1/4	4,571.13	1/4	4,221.58	1/4	3,848.34	1/4	3,461.01	1/4	3,075.18	1/4	2,688.96	1/4	2,303.12	1/4	1,915.35	
1/2	1/2	4,890.43	1/2	4,564.08	1/2	4,214.04	1/2	3,840.32	1/2	3,452.97	1/2	3,067.15	1/2	2,680.88	1/2	2,295.04	1/2	1,907.27	
3/4	3/4	4,883.95	3/4	4,557.04	3/4	4,206.51	3/4	3,832.30	3/4	3,444.93	3/4	3,059.11	3/4	2,672.80	3/4	2,286.96	3/4	1,899.19	

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'-03" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

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

Barge "EMS 3043"
Enterprise Marine Services LLC



2 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.
0	1,891.11	0	1,503.34	0	1,115.58	0	728.05	0	0	0
1/4	1,883.03	1/4	1,495.27	1/4	1,107.50	1/4	719.99	1/4	1/4	1/4
1/2	1,874.96	1/2	1,487.19	1/2	1,099.42	1/2	711.92	1/2	1/2	1/2
3/4	1,866.88	3/4	1,479.11	3/4	1,091.34	3/4	703.86	3/4	3/4	3/4
1	1,858.80	1	1,471.03	1	1,083.26	1	695.80	1	1	1
1/4	1,850.72	1/4	1,462.95	1/4	1,075.18	1/4	687.74	1/4	1/4	1/4
1/2	1,842.64	1/2	1,454.87	1/2	1,067.11	1/2	679.68	1/2	1/2	1/2
3/4	1,834.56	3/4	1,446.79	3/4	1,059.03	3/4	671.61	3/4	3/4	3/4
2	1,826.48	2	1,438.72	2	1,050.95	2	663.55	2	2	2
1/4	1,818.41	1/4	1,430.64	1/4	1,042.87	1/4	655.49	1/4	1/4	1/4
1/2	1,810.33	1/2	1,422.56	1/2	1,034.79	1/2	647.43	1/2	1/2	1/2
3/4	1,802.25	3/4	1,414.48	3/4	1,026.71	3/4	639.37	3/4	3/4	3/4
3	1,794.17	3	1,406.40	3	1,018.63	3	631.31	3	3	3
1/4	1,786.09	1/4	1,398.32	1/4	1,010.56	1/4	623.24	1/4	1/4	1/4
1/2	1,778.01	1/2	1,390.25	1/2	1,002.48	1/2	615.18	1/2	1/2	1/2
3/4	1,769.93	3/4	1,382.17	3/4	994.40	3/4	607.12	3/4	3/4	3/4
4	1,761.86	4	1,374.09	4	986.32	4	599.05	4	4	4
1/4	1,753.78	1/4	1,366.01	1/4	978.24	1/4	590.99	1/4	1/4	1/4
1/2	1,745.70	1/2	1,357.93	1/2	970.16	1/2	582.93	1/2	1/2	1/2
3/4	1,737.62	3/4	1,349.85	3/4	962.08	3/4	574.87	3/4	3/4	3/4
5	1,729.54	5	1,341.77	5	954.01	5	566.80	5	5	5
1/4	1,721.46	1/4	1,333.70	1/4	945.93	1/4	558.73	1/4	1/4	1/4
1/2	1,713.39	1/2	1,325.62	1/2	937.85	1/2	550.66	1/2	1/2	1/2
3/4	1,705.31	3/4	1,317.54	3/4	929.77	3/4	542.59	3/4	3/4	3/4
6	1,697.23	6	1,309.46	6	921.69	6	534.51	6	6	6
1/4	1,689.15	1/4	1,301.38	1/4	913.61	1/4	526.43	1/4	1/4	1/4
1/2	1,681.07	1/2	1,293.30	1/2	905.54	1/2	518.35	1/2	1/2	1/2
3/4	1,672.99	3/4	1,285.22	3/4	897.46	3/4	510.28	3/4	3/4	3/4
7	1,664.91	7	1,277.15	7	889.38	7	502.20	7	7	7
1/4	1,656.84	1/4	1,269.07	1/4	881.30	1/4	494.12	1/4	1/4	1/4
1/2	1,648.76	1/2	1,260.99	1/2	873.22	1/2	486.04	1/2	1/2	1/2
3/4	1,640.68	3/4	1,252.91	3/4	865.14	3/4	477.96	3/4	3/4	3/4
8	1,632.60	8	1,244.83	8	857.07	8	469.88	8	8	8
1/4	1,624.52	1/4	1,236.75	1/4	849.00	1/4	461.81	1/4	1/4	1/4
1/2	1,616.44	1/2	1,228.68	1/2	840.93	1/2	453.73	1/2	1/2	1/2
3/4	1,608.36	3/4	1,220.60	3/4	832.86	3/4	445.65	3/4	3/4	3/4
9	1,600.29	9	1,212.52	9	824.80	9	437.57	9	9	9
1/4	1,592.21	1/4	1,204.44	1/4	816.74	1/4	429.49	1/4	1/4	1/4
1/2	1,584.13	1/2	1,196.36	1/2	808.68	1/2	421.42	1/2	1/2	1/2
3/4	1,576.05	3/4	1,188.28	3/4	800.61	3/4	413.34	3/4	3/4	3/4
10	1,567.97	10	1,180.20	10	792.55	10	405.26	10	10	10
1/4	1,559.89	1/4	1,172.13	1/4	784.49	1/4	397.18	1/4	1/4	1/4
1/2	1,551.82	1/2	1,164.05	1/2	776.43	1/2	389.10	1/2	1/2	1/2
3/4	1,543.74	3/4	1,155.97	3/4	768.36	3/4	381.02	3/4	3/4	3/4
11	1,535.66	11	1,147.89	11	760.30	11	373.17	11	11	11
1/4	1,527.58	1/4	1,139.81	1/4	752.24	1/4	365.31	1/4	1/4	1/4
1/2	1,519.50	1/2	1,131.73	1/2	744.18	1/2	357.46	1/2	1/2	1/2
3/4	1,511.42	3/4	1,123.65	3/4	736.11	3/4	349.60	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE-NAMED TANK ONLY.

STRAPPED: 04/05/2010 CL - SW
CALCULATED: 04/05/2010 CL
PRINTED: 04/05/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2010

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



Barge "EMS 3043"
Enterprise Marine Services LLC

2 STBD

OUTAGE 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.	
0	0	4,864.92	0	4,537.35	0	4,186.15	0	3,811.28	0	3,423.75	0	3,037.76	0	2,651.23	0	2,265.22			
1/4	1/4	4,858.33	1/4	4,530.27	1/4	4,178.58	1/4	3,803.21	1/4	3,415.71	1/4	3,029.71	1/4	2,643.15	1/4	2,257.13			
1/2	1/2	4,851.74	1/2	4,523.19	1/2	4,171.01	1/2	3,795.15	1/2	3,407.67	1/2	3,021.67	1/2	2,635.07	1/2	2,249.05			
3/4	3/4	4,845.15	3/4	4,516.11	3/4	4,163.44	3/4	3,787.09	3/4	3,399.63	3/4	3,013.63	3/4	2,626.99	3/4	2,240.97			
1	1	4,838.53	1	4,508.99	1	4,155.82	1	3,779.00	1	3,391.59	1	3,005.59	1	2,618.90	1	2,232.89			
1/4	1/4	4,831.90	1/4	4,501.87	1/4	4,148.19	1/4	3,770.92	1/4	3,383.54	1/4	2,999.55	1/4	2,610.82	1/4	2,224.80			
1/2	1/2	4,825.28	1/2	4,494.75	1/2	4,140.57	1/2	3,762.84	1/2	3,375.50	1/2	2,989.51	1/2	2,602.74	1/2	2,216.72			
3/4	3/4	4,818.65	3/4	4,487.64	3/4	4,132.95	3/4	3,754.76	3/4	3,367.46	3/4	2,981.44	3/4	2,594.66	3/4	2,208.64			
2	2	4,811.98	2	4,480.47	2	4,125.29	2	3,746.68	2	3,359.42	2	2,973.42	2	2,586.58	2	2,200.56			
1/4	1/4	4,805.31	1/4	4,473.31	1/4	4,117.64	1/4	3,738.59	1/4	3,351.38	1/4	2,965.38	1/4	2,578.49	1/4	2,192.48			
1/2	1/2	4,798.63	1/2	4,466.15	1/2	4,109.98	1/2	3,730.51	1/2	3,343.34	1/2	2,957.34	1/2	2,570.41	1/2	2,184.39			
3/4	3/4	4,791.96	3/4	4,458.98	3/4	4,102.33	3/4	3,722.43	3/4	3,335.30	3/4	2,949.30	3/4	2,562.33	3/4	2,176.31			
3	3	4,785.25	3	4,451.78	3	4,094.64	3	3,714.35	3	3,327.25	3	2,941.26	3	2,554.25	3	2,168.23			
1/4	1/4	4,778.54	1/4	4,444.58	1/4	4,086.94	1/4	3,706.26	1/4	3,319.21	1/4	2,933.22	1/4	2,546.17	1/4	2,160.15			
1/2	1/2	4,771.83	1/2	4,437.38	1/2	4,079.25	1/2	3,698.18	1/2	3,311.17	1/2	2,925.17	1/2	2,538.08	1/2	2,152.07			
3/4	3/4	4,765.12	3/4	4,430.18	3/4	4,071.56	3/4	3,690.10	3/4	3,303.13	3/4	2,917.13	3/4	2,530.00	3/4	2,143.98			
4	4	4,758.36	4	4,422.93	4	4,063.82	4	3,682.02	4	3,295.09	4	2,909.09	4	2,521.92	4	2,135.90			
1/4	1/4	4,751.61	1/4	4,415.68	1/4	4,056.08	1/4	3,673.94	1/4	3,287.05	1/4	2,901.05	1/4	2,513.84	1/4	2,127.82			
1/2	1/2	4,744.85	1/2	4,408.44	1/2	4,048.34	1/2	3,665.85	1/2	3,279.00	1/2	2,893.01	1/2	2,505.75	1/2	2,119.74			
3/4	3/4	4,738.09	3/4	4,401.19	3/4	4,040.61	3/4	3,657.77	3/4	3,270.96	3/4	2,884.97	3/4	2,497.67	3/4	2,111.66			
5	5	4,731.29	5	4,393.90	5	4,032.83	5	3,649.69	5	3,262.92	5	2,876.92	5	2,489.59	5	2,103.57			
1/4	1/4	4,724.50	1/4	4,386.62	1/4	4,025.05	1/4	3,641.61	1/4	3,254.88	1/4	2,868.88	1/4	2,481.51	1/4	2,095.49			
1/2	1/2	4,717.71	1/2	4,379.34	1/2	4,017.28	1/2	3,633.52	1/2	3,246.84	1/2	2,860.84	1/2	2,473.43	1/2	2,087.41			
3/4	3/4	4,710.92	3/4	4,372.05	3/4	4,009.50	3/4	3,625.44	3/4	3,238.80	3/4	2,852.80	3/4	2,465.34	3/4	2,079.33			
6	6	4,704.09	6	4,364.72	6	4,001.68	6	3,617.36	6	3,230.75	6	2,844.76	6	2,457.26	6	2,071.24			
1/4	1/4	4,697.26	1/4	4,357.38	1/4	3,993.86	1/4	3,609.28	1/4	3,222.71	1/4	2,836.72	1/4	2,449.18	1/4	2,063.16			
1/2	1/2	4,690.43	1/2	4,350.05	1/2	3,986.03	1/2	3,601.20	1/2	3,214.67	1/2	2,828.67	1/2	2,441.10	1/2	2,055.08			
3/4	3/4	4,683.60	3/4	4,342.71	3/4	3,978.21	3/4	3,593.11	3/4	3,206.63	3/4	2,820.63	3/4	2,433.02	3/4	2,047.00			
7	7	4,676.72	7	4,335.35	7	3,970.35	7	3,585.03	7	3,198.59	7	2,812.59	7	2,425.05	7	2,038.92			
1/4	1/4	4,669.85	1/4	4,327.98	1/4	3,962.49	1/4	3,576.95	1/4	3,190.55	1/4	2,804.55	1/4	2,417.09	1/4	2,030.83			
1/2	1/2	4,662.97	1/2	4,320.61	1/2	3,954.63	1/2	3,568.87	1/2	3,182.50	1/2	2,796.51	1/2	2,409.13	1/2	2,022.75			
3/4	3/4	4,656.10	3/4	4,313.24	3/4	3,946.77	3/4	3,560.78	3/4	3,174.46	3/4	2,788.47	3/4	2,401.17	3/4	2,014.67			
8	8	4,649.18	8	4,305.84	8	3,938.86	8	3,552.70	8	3,166.42	8	2,780.42	8	2,393.21	8	2,006.59			
1/4	1/4	4,642.27	1/4	4,298.43	1/4	3,930.95	1/4	3,544.62	1/4	3,158.38	1/4	2,772.38	1/4	2,385.24	1/4	1,998.51			
1/2	1/2	4,635.36	1/2	4,291.03	1/2	3,923.04	1/2	3,536.54	1/2	3,150.34	1/2	2,764.34	1/2	2,377.28	1/2	1,990.42			
3/4	3/4	4,628.44	3/4	4,283.82	3/4	3,915.13	3/4	3,528.46	3/4	3,142.30	3/4	2,756.30	3/4	2,369.32	3/4	1,982.34			
9	9	4,621.48	9	4,276.17	9	3,907.19	9	3,520.37	9	3,134.26	9	2,748.22	9	2,361.36	9	1,974.26			
1/4	1/4	4,614.52	1/4	4,268.72	1/4	3,899.25	1/4	3,512.29	1/4	3,126.21	1/4	2,740.14	1/4	2,353.40	1/4	1,966.18			
1/2	1/2	4,607.56	1/2	4,261.27	1/2	3,891.31	1/2	3,504.21	1/2	3,118.17	1/2	2,732.05	1/2	2,345.44	1/2	1,958.10			
3/4	3/4	4,600.60	3/4	4,253.82	3/4	3,883.36	3/4	3,496.13	3/4	3,110.13	3/4	2,723.97	3/4	2,337.47	3/4	1,950.01			
10	10	4,593.60	10	4,246.33	10	3,875.58	10	3,488.09	10	3,102.09	10	2,715.89	10	2,329.51	10	1,941.93			
1/4	1/4	4,586.61	1/4	4,238.84	1/4	3,867.40	1/4	3,480.04	1/4	3,094.05	1/4	2,707.81	1/4	2,321.55	1/4	1,933.85			
1/2	1/2	4,579.61	1/2	4,231.36	1/2	3,859.42	1/2	3,472.00	1/2	3,086.01	1/2	2,699.73	1/2	2,313.59	1/2	1,925.77			
3/4	3/4	4,572.61	3/4	4,223.87	3/4	3,851.44	3/4	3,463.96	3/4	3,077.96	3/4	2,691.64	3/4	2,305.63	3/4	1,917.68			
11	11	4,565.57	11	4,216.33	11	3,843.42	11	3,456.92	11	3,069.92	11	2,683.56	11	2,297.54	11	1,909.60			
1/4	1/4	4,558.49	1/4	4,208.80	1/4	3,835.39	1/4	3,447.88	1/4	3,061.88	1/4	2,675.48	1/4	2,289.46	1/4	1,901.52			
1/2	1/2	4,551.47	1/2	4,201.26	1/2	3,827.36	1/2	3,439.84	1/2	3,053.84	1/2	2,667.40	1/2	2,281.38	1/2	1,893.44			
3/4	3/4	4,544.43	3/4	4,193.72	3/4	3,819.34	3/4	3,431.79	3/4	3,045.80	3/4	2,659.31	3/4	2,273.30	3/4	1,885.36			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



Barge "EMS 3043"
Enterprise Marine Services LLC
 OUTAGE TABLE

2 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	1,877.27	0	1,489.33	0	1,101.39	0	720.12	0	341.90	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1,869.19	1/4	1,481.25	1/4	1,093.31	1/4	712.36	1/4	334.04	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	1,861.11	1/2	1,473.17	1/2	1,085.23	1/2	704.60	1/2	326.18	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	1,853.03	3/4	1,465.09	3/4	1,077.15	3/4	696.84	3/4	318.33	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	1,844.95	1	1,457.01	1	1,069.06	1	689.08	1	310.47	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1,836.86	1/4	1,449.92	1/4	1,060.98	1/4	681.32	1/4	302.61	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	1,828.78	1/2	1,440.84	1/2	1,052.90	1/2	673.56	1/2	294.75	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	1,820.70	3/4	1,432.76	3/4	1,044.82	3/4	665.80	3/4	286.89	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,812.62	2	1,424.68	2	1,036.74	2	658.04	2	279.03	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1,804.54	1/4	1,416.59	1/4	1,028.65	1/4	650.28	1/4	271.17	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	1,796.45	1/2	1,408.51	1/2	1,020.57	1/2	642.52	1/2	263.31	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	1,788.37	3/4	1,400.43	3/4	1,012.49	3/4	634.76	3/4	255.45	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	1,780.29	3	1,392.35	3	1,004.41	3	627.00	3	247.60	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1,772.21	1/4	1,384.27	1/4	996.33	1/4	619.24	1/4	239.74	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	1,764.12	1/2	1,376.18	1/2	988.24	1/2	611.48	1/2	231.88	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	1,756.04	3/4	1,368.10	3/4	980.16	3/4	603.72	3/4	224.02	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	1,747.96	4	1,360.02	4	972.08	4	595.96	4	216.16	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1,739.88	1/4	1,351.94	1/4	964.00	1/4	588.20	1/4	208.30	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	1,731.80	1/2	1,343.86	1/2	956.91	1/2	580.44	1/2	200.44	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	1,723.71	3/4	1,335.77	3/4	947.83	3/4	572.68	3/4	192.58	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	1,715.63	5	1,327.69	5	939.75	5	564.91	5	184.72	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1,707.55	1/4	1,319.61	1/4	931.67	1/4	557.15	1/4	176.87	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	1,699.47	1/2	1,311.53	1/2	923.59	1/2	549.38	1/2	169.01	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	1,691.39	3/4	1,303.45	3/4	915.50	3/4	541.61	3/4	161.15	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	1,683.30	6	1,295.36	6	907.42	6	533.84	6	153.29	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1,675.22	1/4	1,287.28	1/4	899.34	1/4	526.06	1/4	145.43	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	1,667.14	1/2	1,279.20	1/2	891.26	1/2	518.28	1/2	137.57	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	1,659.06	3/4	1,271.12	3/4	883.18	3/4	510.51	3/4	129.71	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	1,650.98	7	1,263.03	7	875.40	7	502.43	7	121.63	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1,642.89	1/4	1,254.95	1/4	867.62	1/4	494.34	1/4	113.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,634.81	1/2	1,246.87	1/2	859.85	1/2	486.26	1/2	105.47	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	1,626.73	3/4	1,238.79	3/4	852.07	3/4	478.18	3/4	97.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,618.65	8	1,230.71	8	844.30	8	470.10	8	89.30	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1,610.57	1/4	1,222.62	1/4	836.54	1/4	462.02	1/4	81.22	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	1,602.48	1/2	1,214.54	1/2	828.77	1/2	453.93	1/2	73.14	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	1,594.40	3/4	1,206.46	3/4	821.00	3/4	445.85	3/4	65.06	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,586.32	9	1,198.38	9	813.24	9	437.77	9	57.98	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1,578.24	1/4	1,190.30	1/4	805.48	1/4	429.69	1/4	50.91	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	1,570.15	1/2	1,182.21	1/2	797.72	1/2	421.61	1/2	43.84	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	1,562.07	3/4	1,174.13	3/4	789.96	3/4	413.52	3/4	36.77	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	1,553.99	10	1,166.05	10	782.20	10	405.44	10	31.72	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1,545.91	1/4	1,157.97	1/4	774.44	1/4	397.36	1/4	26.66	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	1,537.83	1/2	1,149.89	1/2	766.68	1/2	389.28	1/2	21.61	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	1,529.74	3/4	1,141.80	3/4	758.92	3/4	381.20	3/4	16.56	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	1,521.66	11	1,133.72	11	751.16	11	373.34	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1,513.58	1/4	1,125.64	1/4	743.40	1/4	365.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,505.50	1/2	1,117.56	1/2	735.64	1/2	357.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,497.42	3/4	1,109.47	3/4	727.88	3/4	349.76	3/4	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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/05/2010 CL - SW
 CALCULATED: 04/05/2010 CL
 PRINTED: 04/05/2010 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2010

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



Barge "EMS 3043"
Enterprise Marine Services LLC

3 PORT
ULLAGE TABLE

OUTGAGE 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.	
0	0	4,367.42	0	4,142.64	0	3,949.26	0	3,733.74	0	3,496.18	0	3,205.75	0	2,846.58	0	2,486.33	0	2,127.69	0
1/4	1/4	4,361.82	1/4	4,138.82	1/4	3,944.98	1/4	3,729.01	1/4	3,490.99	1/4	3,198.28	1/4	2,839.07	1/4	2,478.82	1/4	2,120.18	1/4
1/2	1/2	4,356.21	1/2	4,135.00	1/2	3,940.70	1/2	3,724.27	1/2	3,485.79	1/2	3,193.81	1/2	2,837.57	1/2	2,477.30	1/2	2,118.66	1/2
3/4	3/4	4,350.61	3/4	4,131.18	3/4	3,936.43	3/4	3,719.54	3/4	3,480.59	3/4	3,183.34	3/4	2,833.37	3/4	2,463.78	3/4	2,115.15	3/4
1	1	4,345.00	1	4,127.36	1	3,932.15	1	3,714.81	1	3,475.40	1	3,175.88	1	2,831.55	1	2,461.27	1	2,097.64	1
1/4	1/4	4,338.67	1/4	4,123.50	1/4	3,927.83	1/4	3,710.03	1/4	3,470.18	1/4	3,168.41	1/4	2,829.06	1/4	2,448.75	1/4	2,090.13	1/4
1/2	1/2	4,332.34	1/2	4,119.64	1/2	3,923.52	1/2	3,705.25	1/2	3,464.97	1/2	3,160.94	1/2	2,801.56	1/2	2,441.24	1/2	2,082.61	1/2
3/4	3/4	4,326.01	3/4	4,115.79	3/4	3,919.20	3/4	3,700.48	3/4	3,459.75	3/4	3,153.47	3/4	2,794.05	3/4	2,433.72	3/4	2,075.10	3/4
2	2	4,319.68	2	4,111.93	2	3,914.89	2	3,695.70	2	3,454.54	2	3,146.00	2	2,786.55	2	2,426.21	2	2,067.59	2
1/4	1/4	4,314.50	1/4	4,108.03	1/4	3,910.53	1/4	3,690.89	1/4	3,449.33	1/4	3,138.53	1/4	2,779.05	1/4	2,418.69	1/4	2,060.07	1/4
1/2	1/2	4,309.32	1/2	4,104.13	1/2	3,906.18	1/2	3,686.08	1/2	3,444.11	1/2	3,131.07	1/2	2,771.54	1/2	2,411.18	1/2	2,052.56	1/2
3/4	3/4	4,304.14	3/4	4,100.23	3/4	3,901.82	3/4	3,681.27	3/4	3,438.90	3/4	3,123.60	3/4	2,764.04	3/4	2,403.66	3/4	2,045.04	3/4
3	3	4,298.96	3	4,096.33	3	3,897.47	3	3,676.46	3	3,433.68	3	3,116.13	3	2,756.54	3	2,396.15	3	2,037.53	3
1/4	1/4	4,293.78	1/4	4,092.40	1/4	3,893.07	1/4	3,671.61	1/4	3,428.47	1/4	3,108.66	1/4	2,749.03	1/4	2,388.63	1/4	2,030.02	1/4
1/2	1/2	4,288.60	1/2	4,088.46	1/2	3,888.68	1/2	3,666.76	1/2	3,423.25	1/2	3,101.19	1/2	2,741.53	1/2	2,381.11	1/2	2,022.50	1/2
3/4	3/4	4,283.42	3/4	4,084.53	3/4	3,884.28	3/4	3,661.91	3/4	3,418.04	3/4	3,093.73	3/4	2,734.03	3/4	2,373.60	3/4	2,014.99	3/4
4	4	4,278.24	4	4,080.59	4	3,879.89	4	3,657.06	4	3,412.82	4	3,086.26	4	2,726.53	4	2,366.08	4	2,007.48	4
1/4	1/4	4,273.06	1/4	4,076.61	1/4	3,875.45	1/4	3,652.16	1/4	3,407.64	1/4	3,078.79	1/4	2,719.02	1/4	2,358.57	1/4	1,999.96	1/4
1/2	1/2	4,267.89	1/2	4,072.63	1/2	3,871.01	1/2	3,647.17	1/2	3,402.46	1/2	3,071.32	1/2	2,711.52	1/2	2,351.05	1/2	1,992.45	1/2
3/4	3/4	4,262.71	3/4	4,068.65	3/4	3,866.58	3/4	3,642.37	3/4	3,397.28	3/4	3,063.85	3/4	2,704.02	3/4	2,343.54	3/4	1,984.93	3/4
5	5	4,257.53	5	4,064.67	5	3,862.14	5	3,637.48	5	3,392.10	5	3,056.38	5	2,696.51	5	2,336.02	5	1,977.42	5
1/4	1/4	4,252.35	1/4	4,060.66	1/4	3,857.87	1/4	3,632.55	1/4	3,386.92	1/4	3,048.92	1/4	2,689.01	1/4	2,328.51	1/4	1,969.90	1/4
1/2	1/2	4,247.18	1/2	4,056.65	1/2	3,853.20	1/2	3,627.62	1/2	3,381.74	1/2	3,041.45	1/2	2,681.51	1/2	2,320.99	1/2	1,962.39	1/2
3/4	3/4	4,242.00	3/4	4,052.64	3/4	3,848.72	3/4	3,622.69	3/4	3,376.56	3/4	3,033.98	3/4	2,674.00	3/4	2,313.47	3/4	1,954.88	3/4
6	6	4,236.82	6	4,048.63	6	3,844.25	6	3,617.77	6	3,371.39	6	3,026.51	6	2,666.50	6	2,305.96	6	1,947.36	6
1/4	1/4	4,231.64	1/4	4,044.59	1/4	3,839.74	1/4	3,612.79	1/4	3,366.21	1/4	3,019.04	1/4	2,659.00	1/4	2,298.44	1/4	1,939.85	1/4
1/2	1/2	4,226.47	1/2	4,040.55	1/2	3,835.22	1/2	3,607.82	1/2	3,361.03	1/2	3,011.57	1/2	2,651.49	1/2	2,290.93	1/2	1,932.33	1/2
3/4	3/4	4,221.29	3/4	4,036.51	3/4	3,830.70	3/4	3,602.85	3/4	3,355.85	3/4	3,004.11	3/4	2,643.99	3/4	2,283.41	3/4	1,924.82	3/4
7	7	4,216.11	7	4,032.47	7	3,826.18	7	3,597.87	7	3,350.67	7	2,996.64	7	2,636.49	7	2,275.90	7	1,917.30	7
1/4	1/4	4,212.51	1/4	4,028.39	1/4	3,821.63	1/4	3,592.82	1/4	3,344.33	1/4	2,989.93	1/4	2,628.99	1/4	2,268.51	1/4	1,909.79	1/4
1/2	1/2	4,208.91	1/2	4,024.30	1/2	3,817.08	1/2	3,587.86	1/2	3,338.00	1/2	2,981.63	1/2	2,621.48	1/2	2,261.13	1/2	1,902.27	1/2
3/4	3/4	4,205.31	3/4	4,020.22	3/4	3,812.53	3/4	3,582.86	3/4	3,331.67	3/4	2,974.13	3/4	2,613.98	3/4	2,253.74	3/4	1,894.76	3/4
8	8	4,201.71	8	4,016.14	8	3,807.99	8	3,577.85	8	3,325.34	8	2,966.62	8	2,606.48	8	2,246.35	8	1,887.24	8
1/4	1/4	4,198.08	1/4	4,012.02	1/4	3,803.40	1/4	3,572.80	1/4	3,317.86	1/4	2,959.12	1/4	2,598.97	1/4	2,238.97	1/4	1,879.73	1/4
1/2	1/2	4,194.45	1/2	4,007.91	1/2	3,798.82	1/2	3,567.74	1/2	3,310.38	1/2	2,951.62	1/2	2,591.47	1/2	2,231.58	1/2	1,872.21	1/2
3/4	3/4	4,190.82	3/4	4,003.79	3/4	3,794.23	3/4	3,562.69	3/4	3,302.90	3/4	2,944.12	3/4	2,583.97	3/4	2,224.20	3/4	1,864.70	3/4
9	9	4,187.18	9	3,999.67	9	3,789.65	9	3,557.64	9	3,295.42	9	2,936.61	9	2,576.46	9	2,216.81	9	1,857.18	9
1/4	1/4	4,183.50	1/4	3,995.51	1/4	3,785.02	1/4	3,552.55	1/4	3,287.94	1/4	2,929.11	1/4	2,568.95	1/4	2,209.42	1/4	1,849.67	1/4
1/2	1/2	4,179.82	1/2	3,991.35	1/2	3,780.40	1/2	3,547.47	1/2	3,280.46	1/2	2,921.61	1/2	2,561.45	1/2	2,202.04	1/2	1,842.15	1/2
3/4	3/4	4,176.14	3/4	3,987.19	3/4	3,775.77	3/4	3,542.39	3/4	3,272.98	3/4	2,914.10	3/4	2,553.94	3/4	2,194.65	3/4	1,834.64	3/4
10	10	4,172.47	10	3,983.03	10	3,771.15	10	3,537.30	10	3,265.50	10	2,906.60	10	2,546.43	10	2,187.27	10	1,827.13	10
1/4	1/4	4,168.75	1/4	3,978.84	1/4	3,766.49	1/4	3,532.18	1/4	3,258.03	1/4	2,899.10	1/4	2,538.92	1/4	2,179.89	1/4	1,819.61	1/4
1/2	1/2	4,165.04	1/2	3,974.64	1/2	3,761.84	1/2	3,527.07	1/2	3,250.56	1/2	2,891.59	1/2	2,531.41	1/2	2,172.50	1/2	1,812.10	1/2
3/4	3/4	4,161.33	3/4	3,970.45	3/4	3,757.18	3/4	3,521.95	3/4	3,243.09	3/4	2,884.09	3/4	2,523.90	3/4	2,165.12	3/4	1,804.58	3/4
11	11	4,157.62	11	3,966.26	11	3,752.53	11	3,516.83	11	3,235.62	11	2,876.59	11	2,516.39	11	2,157.74	11	1,797.07	11
1/4	1/4	4,153.88	1/4	3,962.01	1/4	3,747.93	1/4	3,511.67	1/4	3,228.15	1/4	2,869.08	1/4	2,508.88	1/4	2,150.23	1/4	1,789.55	1/4
1/2	1/2	4,150.13	1/2	3,957.76	1/2	3,743.13	1/2	3,506.51	1/2	3,220.69	1/2	2,861.58	1/2	2,501.36	1/2	2,142.71	1/2	1,782.04	1/2
3/4	3/4	4,146.39	3/4	3,953.51	3/4	3,738.44	3/4	3,501.34	3/4	3,213.22	3/4	2,854.08	3/4	2,493.85	3/4	2,135.20	3/4	1,774.52	3/4

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.

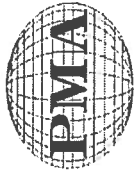
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



Barge "EMS 3043"
Enterprise Marine Services LLC

3 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.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	1,767.01	0	1,406.30	0	1,045.51	0	684.93	0	325.32	0	0	0	0	0	0	0	0	0	0
1/4	1,759.49	1/4	1,398.79	1/4	1,037.99	1/4	677.43	1/4	318.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,751.98	1/2	1,391.27	1/2	1,030.47	1/2	669.93	1/2	310.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,744.46	3/4	1,383.76	3/4	1,022.96	3/4	662.43	3/4	303.40	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,736.95	1	1,376.24	1	1,015.44	1	654.93	1	296.09	1	1	1	1	1	1	1	1	1	1
1/4	1,729.43	1/4	1,368.73	1/4	1,007.92	1/4	647.43	1/4	288.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,721.92	1/2	1,361.21	1/2	1,000.41	1/2	639.93	1/2	281.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,714.40	3/4	1,353.69	3/4	992.89	3/4	632.43	3/4	274.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,706.89	2	1,346.18	2	985.37	2	624.93	2	266.85	2	2	2	2	2	2	2	2	2	2
1/4	1,699.38	1/4	1,338.66	1/4	977.86	1/4	617.43	1/4	259.54	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,691.86	1/2	1,331.14	1/2	970.34	1/2	609.93	1/2	252.23	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,684.35	3/4	1,323.63	3/4	962.82	3/4	602.43	3/4	244.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,676.83	3	1,316.11	3	955.31	3	594.93	3	237.61	3	3	3	3	3	3	3	3	3	3
1/4	1,669.32	1/4	1,308.59	1/4	947.79	1/4	587.43	1/4	230.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,661.80	1/2	1,301.08	1/2	940.27	1/2	579.93	1/2	223.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,654.29	3/4	1,293.56	3/4	932.76	3/4	572.42	3/4	215.69	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,646.77	4	1,286.04	4	925.24	4	564.92	4	208.38	4	4	4	4	4	4	4	4	4	4
1/4	1,639.26	1/4	1,278.53	1/4	917.72	1/4	557.42	1/4	201.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,631.74	1/2	1,271.01	1/2	910.21	1/2	549.92	1/2	193.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,624.23	3/4	1,263.49	3/4	902.69	3/4	542.42	3/4	186.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,616.71	5	1,255.98	5	895.17	5	534.92	5	179.14	5	5	5	5	5	5	5	5	5	5
1/4	1,609.20	1/4	1,248.46	1/4	887.66	1/4	527.41	1/4	171.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,601.68	1/2	1,240.94	1/2	880.14	1/2	519.90	1/2	164.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,594.17	3/4	1,233.43	3/4	872.62	3/4	512.40	3/4	157.21	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,586.65	6	1,225.91	6	865.11	6	504.89	6	149.90	6	6	6	6	6	6	6	6	6	6
1/4	1,579.14	1/4	1,218.39	1/4	857.59	1/4	497.37	1/4	142.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,571.63	1/2	1,210.88	1/2	850.07	1/2	489.86	1/2	135.29	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,564.11	3/4	1,203.36	3/4	842.56	3/4	482.34	3/4	127.98	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,556.60	7	1,195.84	7	835.04	7	474.82	7	120.67	7	7	7	7	7	7	7	7	7	7
1/4	1,549.08	1/4	1,188.33	1/4	827.52	1/4	467.31	1/4	113.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,541.57	1/2	1,180.81	1/2	820.01	1/2	459.79	1/2	105.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,534.05	3/4	1,173.29	3/4	812.49	3/4	452.27	3/4	98.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,526.54	8	1,165.78	8	804.97	8	444.76	8	90.60	8	8	8	8	8	8	8	8	8	8
1/4	1,519.02	1/4	1,158.26	1/4	797.47	1/4	437.24	1/4	83.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,511.51	1/2	1,150.74	1/2	789.96	1/2	429.73	1/2	75.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,503.99	3/4	1,143.23	3/4	782.45	3/4	422.21	3/4	68.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,496.48	9	1,135.71	9	774.94	9	414.69	9	60.54	9	9	9	9	9	9	9	9	9	9
1/4	1,488.96	1/4	1,128.19	1/4	767.44	1/4	407.18	1/4	53.96	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,481.45	1/2	1,120.68	1/2	759.94	1/2	399.66	1/2	47.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,473.93	3/4	1,113.16	3/4	752.44	3/4	392.14	3/4	40.80	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,466.42	10	1,105.64	10	744.94	10	384.63	10	34.22	10	10	10	10	10	10	10	10	10	10
1/4	1,458.90	1/4	1,098.13	1/4	737.44	1/4	377.11	1/4	29.53	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,451.39	1/2	1,090.61	1/2	729.94	1/2	369.59	1/2	24.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,443.88	3/4	1,083.09	3/4	722.44	3/4	362.08	3/4	20.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,436.36	11	1,075.58	11	714.93	11	354.56	11	15.43	11	11	11	11	11	11	11	11	11	11
1/4	1,428.85	1/4	1,068.06	1/4	707.43	1/4	347.25	1/4	10.88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,421.33	1/2	1,060.54	1/2	699.93	1/2	339.94	1/2	5.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,413.82	3/4	1,053.03	3/4	692.43	3/4	332.63	3/4	0	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: 04/06/2010 CL - SW
CALCULATED: 04/06/2010 CL
PRINTED: 04/06/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2010

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



Barge "EMS 3043"
Enterprise Marine Services LLC

3 STBD

ULLAGE TABLE

OUTAGE 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.	
0	0	4,342.69	0	4,117.99	0	3,924.69	0	3,709.26	0	3,471.79	0	3,181.72	0	2,923.47	0	2,464.32	0	2,106.96	0
1/4	1/4	4,337.09	1/4	4,114.17	1/4	3,920.42	1/4	3,704.53	1/4	3,466.60	1/4	3,174.27	1/4	2,915.98	1/4	2,456.83	1/4	2,099.37	1/4
1/2	1/2	4,331.48	1/2	4,110.35	1/2	3,916.14	1/2	3,699.80	1/2	3,461.40	1/2	3,166.82	1/2	2,908.50	1/2	2,449.34	1/2	2,091.87	1/2
3/4	3/4	4,325.87	3/4	4,106.53	3/4	3,911.86	3/4	3,695.07	3/4	3,456.21	3/4	3,159.37	3/4	2,897.02	3/4	2,441.86	3/4	2,084.37	3/4
1	1	4,320.27	1	4,102.71	1	3,907.69	1	3,690.34	1	3,451.01	1	3,151.92	1	2,793.53	1	2,434.37	1	2,076.88	1
1/4	1/4	4,313.94	1/4	4,098.85	1/4	3,903.27	1/4	3,685.56	1/4	3,445.80	1/4	3,144.47	1/4	2,786.05	1/4	2,426.89	1/4	2,069.38	1/4
1/2	1/2	4,307.61	1/2	4,095.00	1/2	3,898.96	1/2	3,680.78	1/2	3,440.59	1/2	3,137.03	1/2	2,778.56	1/2	2,419.40	1/2	2,061.88	1/2
3/4	3/4	4,301.28	3/4	4,091.15	3/4	3,894.65	3/4	3,676.01	3/4	3,435.38	3/4	3,129.58	3/4	2,771.04	3/4	2,414.92	3/4	2,054.38	3/4
2	2	4,294.95	2	4,087.29	2	3,890.34	2	3,671.23	2	3,430.16	2	3,122.13	2	2,763.60	2	2,404.43	2	2,046.89	2
1/4	1/4	4,289.77	1/4	4,083.39	1/4	3,885.98	1/4	3,666.42	1/4	3,424.95	1/4	3,114.68	1/4	2,756.11	1/4	2,396.94	1/4	2,039.39	1/4
1/2	1/2	4,284.60	1/2	4,079.49	1/2	3,881.63	1/2	3,661.62	1/2	3,419.74	1/2	3,107.23	1/2	2,748.63	1/2	2,389.46	1/2	2,031.89	1/2
3/4	3/4	4,279.42	3/4	4,075.60	3/4	3,877.27	3/4	3,656.81	3/4	3,414.52	3/4	3,099.78	3/4	2,741.14	3/4	2,381.97	3/4	2,024.40	3/4
3	3	4,274.24	3	4,071.70	3	3,872.92	3	3,652.00	3	3,409.31	3	3,092.33	3	2,733.66	3	2,374.49	3	2,016.90	3
1/4	1/4	4,269.06	1/4	4,067.76	1/4	3,868.53	1/4	3,647.15	1/4	3,404.10	1/4	3,084.88	1/4	2,726.18	1/4	2,367.06	1/4	2,009.40	1/4
1/2	1/2	4,263.88	1/2	4,063.83	1/2	3,864.14	1/2	3,642.30	1/2	3,398.89	1/2	3,077.43	1/2	2,718.69	1/2	2,359.52	1/2	2,001.91	1/2
3/4	3/4	4,258.71	3/4	4,059.90	3/4	3,859.74	3/4	3,637.45	3/4	3,393.67	3/4	3,069.98	3/4	2,711.21	3/4	2,352.03	3/4	1,994.41	3/4
4	4	4,253.53	4	4,055.97	4	3,855.35	4	3,632.61	4	3,388.46	4	3,062.53	4	2,703.73	4	2,344.54	4	1,986.91	4
1/4	1/4	4,248.35	1/4	4,051.99	1/4	3,850.92	1/4	3,627.71	1/4	3,383.28	1/4	3,055.09	1/4	2,696.24	1/4	2,337.06	1/4	1,979.41	1/4
1/2	1/2	4,243.18	1/2	4,048.01	1/2	3,846.48	1/2	3,622.82	1/2	3,378.10	1/2	3,047.64	1/2	2,688.76	1/2	2,329.57	1/2	1,971.91	1/2
3/4	3/4	4,238.00	3/4	4,044.03	3/4	3,842.04	3/4	3,617.93	3/4	3,372.93	3/4	3,040.19	3/4	2,681.27	3/4	2,322.09	3/4	1,964.42	3/4
5	5	4,232.83	5	4,040.05	5	3,837.61	5	3,613.04	5	3,367.75	5	3,032.74	5	2,673.79	5	2,314.60	5	1,956.92	5
1/4	1/4	4,227.65	1/4	4,036.04	1/4	3,833.14	1/4	3,608.11	1/4	3,362.57	1/4	3,025.29	1/4	2,666.31	1/4	2,307.11	1/4	1,949.42	1/4
1/2	1/2	4,222.47	1/2	4,032.03	1/2	3,828.67	1/2	3,603.18	1/2	3,357.39	1/2	3,017.84	1/2	2,658.82	1/2	2,299.63	1/2	1,941.92	1/2
3/4	3/4	4,217.30	3/4	4,028.02	3/4	3,824.20	3/4	3,598.26	3/4	3,352.21	3/4	3,010.39	3/4	2,651.34	3/4	2,292.14	3/4	1,934.42	3/4
6	6	4,212.12	6	4,024.01	6	3,819.73	6	3,593.33	6	3,347.04	6	3,002.94	6	2,643.86	6	2,284.66	6	1,926.92	6
1/4	1/4	4,206.95	1/4	4,019.98	1/4	3,815.21	1/4	3,588.36	1/4	3,341.86	1/4	2,995.47	1/4	2,636.37	1/4	2,277.16	1/4	1,919.43	1/4
1/2	1/2	4,201.77	1/2	4,015.94	1/2	3,810.70	1/2	3,583.39	1/2	3,336.68	1/2	2,988.04	1/2	2,628.89	1/2	2,269.66	1/2	1,911.93	1/2
3/4	3/4	4,196.60	3/4	4,011.90	3/4	3,806.18	3/4	3,578.42	3/4	3,331.50	3/4	2,980.59	3/4	2,621.40	3/4	2,262.16	3/4	1,904.43	3/4
7	7	4,191.42	7	4,007.86	7	3,801.66	7	3,573.45	7	3,326.32	7	2,973.15	7	2,613.92	7	2,254.66	7	1,896.93	7
1/4	1/4	4,187.82	1/4	4,003.78	1/4	3,797.12	1/4	3,568.44	1/4	3,320.00	1/4	2,965.66	1/4	2,606.43	1/4	2,247.30	1/4	1,889.43	1/4
1/2	1/2	4,184.23	1/2	3,999.70	1/2	3,792.57	1/2	3,563.44	1/2	3,313.67	1/2	2,958.18	1/2	2,598.95	1/2	2,239.94	1/2	1,881.93	1/2
3/4	3/4	4,180.63	3/4	3,995.62	3/4	3,788.02	3/4	3,558.43	3/4	3,307.34	3/4	2,950.69	3/4	2,591.47	3/4	2,232.58	3/4	1,874.43	3/4
8	8	4,177.03	8	3,991.54	8	3,783.48	8	3,553.43	8	3,301.01	8	2,943.21	8	2,583.98	8	2,225.22	8	1,866.94	8
1/4	1/4	4,173.40	1/4	3,987.43	1/4	3,778.89	1/4	3,548.38	1/4	3,293.55	1/4	2,935.73	1/4	2,576.50	1/4	2,217.87	1/4	1,859.46	1/4
1/2	1/2	4,169.77	1/2	3,983.31	1/2	3,774.31	1/2	3,543.33	1/2	3,286.08	1/2	2,928.24	1/2	2,569.01	1/2	2,210.51	1/2	1,851.98	1/2
3/4	3/4	4,166.14	3/4	3,979.20	3/4	3,769.73	3/4	3,538.27	3/4	3,278.62	3/4	2,920.76	3/4	2,561.53	3/4	2,203.15	3/4	1,844.51	3/4
9	9	4,162.51	9	3,975.09	9	3,765.15	9	3,533.22	9	3,271.16	9	2,913.27	9	2,554.05	9	2,195.79	9	1,837.03	9
1/4	1/4	4,158.83	1/4	3,970.93	1/4	3,760.52	1/4	3,528.14	1/4	3,263.70	1/4	2,905.79	1/4	2,546.56	1/4	2,188.42	1/4	1,829.58	1/4
1/2	1/2	4,155.15	1/2	3,966.77	1/2	3,755.90	1/2	3,523.06	1/2	3,256.24	1/2	2,898.31	1/2	2,539.07	1/2	2,181.05	1/2	1,822.12	1/2
3/4	3/4	4,151.47	3/4	3,962.61	3/4	3,751.28	3/4	3,517.98	3/4	3,248.77	3/4	2,890.82	3/4	2,531.58	3/4	2,173.68	3/4	1,814.67	3/4
10	10	4,147.80	10	3,958.45	10	3,746.65	10	3,512.90	10	3,241.31	10	2,883.34	10	2,524.09	10	2,166.31	10	1,807.22	10
1/4	1/4	4,144.09	1/4	3,954.26	1/4	3,742.00	1/4	3,507.78	1/4	3,233.86	1/4	2,875.85	1/4	2,516.62	1/4	2,158.94	1/4	1,799.76	1/4
1/2	1/2	4,140.38	1/2	3,950.06	1/2	3,737.35	1/2	3,502.66	1/2	3,226.41	1/2	2,868.37	1/2	2,509.15	1/2	2,151.58	1/2	1,792.31	1/2
3/4	3/4	4,136.67	3/4	3,945.87	3/4	3,732.69	3/4	3,497.55	3/4	3,218.97	3/4	2,860.89	3/4	2,501.68	3/4	2,144.21	3/4	1,784.86	3/4
11	11	4,132.96	11	3,941.68	11	3,728.04	11	3,492.43	11	3,211.52	11	2,853.40	11	2,494.22	11	2,136.85	11	1,777.40	11
1/4	1/4	4,129.22	1/4	3,937.43	1/4	3,723.35	1/4	3,487.27	1/4	3,204.07	1/4	2,845.92	1/4	2,486.74	1/4	2,129.35	1/4	1,769.95	1/4
1/2	1/2	4,125.47	1/2	3,933.19	1/2	3,718.66	1/2	3,482.11	1/2	3,196.62	1/2	2,838.44	1/2	2,479.27	1/2	2,121.85	1/2	1,762.49	1/2
3/4	3/4	4,121.73	3/4	3,928.94	3/4	3,713.95	3/4	3,476.95	3/4	3,189.17	3/4	2,830.95	3/4	2,471.79	3/4	2,114.36	3/4	1,755.04	3/4

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'-03" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

http://www.pmacorp.net



Barge "EMS 3043"
Enterprise Marine Services LLC

3 STBD

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.
0	1,747.59	0	1,389.26	0	675.55	0	324.71	0	0	0
1/4	1,740.13	1/4	1,381.77	1/4	668.35	1/4	317.42	1/4	1/4	1/4
1/2	1,732.68	1/2	1,374.28	1/2	661.16	1/2	310.13	1/2	1/2	1/2
3/4	1,725.23	3/4	1,366.78	3/4	653.96	3/4	302.83	3/4	3/4	3/4
1	1,717.77	1	1,359.29	1	646.77	1	295.54	1	1	1
1/4	1,710.32	1/4	1,351.80	1/4	639.57	1/4	288.25	1/4	1/4	1/4
1/2	1,702.86	1/2	1,344.30	1/2	632.38	1/2	280.95	1/2	1/2	1/2
3/4	1,695.41	3/4	1,336.81	3/4	625.18	3/4	273.66	3/4	3/4	3/4
2	1,687.96	2	1,329.31	2	617.99	2	266.36	2	2	2
1/4	1,680.50	1/4	1,321.82	1/4	610.79	1/4	259.07	1/4	1/4	1/4
1/2	1,673.05	1/2	1,314.32	1/2	603.60	1/2	251.78	1/2	1/2	1/2
3/4	1,665.60	3/4	1,306.83	3/4	596.40	3/4	244.48	3/4	3/4	3/4
3	1,658.14	3	1,299.34	3	589.21	3	237.19	3	3	3
1/4	1,650.69	1/4	1,291.84	1/4	582.01	1/4	229.89	1/4	1/4	1/4
1/2	1,643.24	1/2	1,284.35	1/2	574.81	1/2	222.60	1/2	1/2	1/2
3/4	1,635.78	3/4	1,276.85	3/4	567.62	3/4	215.31	3/4	3/4	3/4
4	1,628.33	4	1,269.36	4	560.42	4	208.01	4	4	4
1/4	1,620.87	1/4	1,261.86	1/4	553.23	1/4	200.72	1/4	1/4	1/4
1/2	1,613.42	1/2	1,254.37	1/2	546.03	1/2	193.42	1/2	1/2	1/2
3/4	1,605.97	3/4	1,246.87	3/4	538.83	3/4	186.13	3/4	3/4	3/4
5	1,598.51	5	1,239.38	5	531.64	5	178.84	5	5	5
1/4	1,591.06	1/4	1,231.88	1/4	524.43	1/4	171.54	1/4	1/4	1/4
1/2	1,583.61	1/2	1,224.38	1/2	517.23	1/2	164.25	1/2	1/2	1/2
3/4	1,576.15	3/4	1,216.89	3/4	510.03	3/4	156.95	3/4	3/4	3/4
6	1,568.70	6	1,209.39	6	502.83	6	149.66	6	6	6
1/4	1,561.24	1/4	1,201.90	1/4	495.59	1/4	142.36	1/4	1/4	1/4
1/2	1,553.79	1/2	1,194.40	1/2	488.36	1/2	135.07	1/2	1/2	1/2
3/4	1,546.34	3/4	1,186.91	3/4	481.12	3/4	127.77	3/4	3/4	3/4
7	1,538.88	7	1,179.41	7	473.89	7	120.48	7	7	7
1/4	1,531.43	1/4	1,171.92	1/4	466.39	1/4	112.98	1/4	1/4	1/4
1/2	1,523.98	1/2	1,164.42	1/2	458.89	1/2	105.47	1/2	1/2	1/2
3/4	1,516.52	3/4	1,156.93	3/4	451.39	3/4	97.97	3/4	3/4	3/4
8	1,509.07	8	1,149.43	8	443.89	8	90.47	8	8	8
1/4	1,501.60	1/4	1,141.94	1/4	436.38	1/4	82.97	1/4	1/4	1/4
1/2	1,494.12	1/2	1,134.44	1/2	428.88	1/2	75.47	1/2	1/2	1/2
3/4	1,486.65	3/4	1,126.95	3/4	421.38	3/4	67.96	3/4	3/4	3/4
9	1,479.18	9	1,119.45	9	413.88	9	60.46	9	9	9
1/4	1,471.68	1/4	1,111.96	1/4	406.38	1/4	53.90	1/4	1/4	1/4
1/2	1,464.19	1/2	1,104.46	1/2	398.88	1/2	47.33	1/2	1/2	1/2
3/4	1,456.70	3/4	1,096.97	3/4	391.38	3/4	40.77	3/4	3/4	3/4
10	1,449.20	10	1,089.47	10	383.88	10	34.21	10	10	10
1/4	1,441.71	1/4	1,081.98	1/4	376.38	1/4	29.51	1/4	1/4	1/4
1/2	1,434.22	1/2	1,074.48	1/2	368.88	1/2	24.81	1/2	1/2	1/2
3/4	1,426.72	3/4	1,066.99	3/4	361.38	3/4	20.12	3/4	3/4	3/4
11	1,419.23	11	1,059.49	11	353.88	11	15.42	11	11	11
1/4	1,411.74	1/4	1,052.00	1/4	346.59	1/4	10.72	1/4	1/4	1/4
1/2	1,404.25	1/2	1,044.50	1/2	339.30	1/2	6.02	1/2	1/2	1/2
3/4	1,396.75	3/4	1,037.01	3/4	332.01	3/4	1.32	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/05/2010 CL - SW
CALCULATED: 04/05/2010 CL
PRINTED: 04/05/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2010

PRECISION MEASUREMENT
& ANALYSIS, INC.

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