



Barge "EMS 3046"
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	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8
2 STBD	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8
3 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
3 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-06"

August 12, 2010

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

<http://www.pmacorp.net>




Barge "EMS 3046"

Enterprise Marine Services LLC

OUTAGE TABLE

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
0			4,277.97	0	3,982.57	0	3,702.66	0	3,402.55	0	3,082.22	0	2,751.51	0	2,422.07	0	2,092.15	0	1,762.48	
1/4	1/4	3,976.84	1/4	3,976.95	1/4	3,696.61	1/4	3,396.61	1/4	3,073.33	1/4	2,744.65	1/4	2,415.21	1/4	2,085.26	1/4	1,755.58		
1/2	1/2	4,267.71	1/2	3,971.33	1/2	3,690.57	1/2	3,389.63	1/2	3,068.45	1/2	2,737.78	1/2	2,408.34	1/2	2,078.68	1/2	1,748.68		
3/4	3/4	4,260.85	3/4	3,965.68	3/4	3,684.50	3/4	3,383.13	3/4	3,061.56	3/4	2,730.92	3/4	2,401.48	3/4	2,071.46	3/4	1,741.78		
1	1	4,254.00	1	3,960.02	1	3,678.43	1	3,376.35	1	3,054.66	1	2,724.06	1	2,394.62	1	2,064.56	1	1,734.88		
1/4	1/4	4,247.15	1/4	3,954.37	1/4	3,672.35	1/4	3,370.12	1/4	3,047.76	1/4	2,717.19	1/4	2,387.75	1/4	2,057.66	1/4	1,727.99		
1/2	1/2	4,240.30	1/2	3,948.72	1/2	3,666.28	1/2	3,363.61	1/2	3,040.86	1/2	2,710.33	1/2	2,380.89	1/2	2,050.57	1/2	1,721.19		
3/4	3/4	4,233.44	3/4	3,943.02	3/4	3,660.17	3/4	3,357.08	3/4	3,037.97	3/4	2,703.47	3/4	2,373.47	3/4	2,043.87	3/4	1,714.19		
2	2	4,226.59	2	3,937.33	2	3,655.06	2	3,350.55	2	3,020.17	2	2,689.15	2	2,359.71	2	2,039.38	2	1,707.29		
1/4	1/4	4,219.74	1/4	3,931.64	1/4	3,647.94	1/4	3,344.02	1/4	3,020.17	1/4	2,689.74	1/4	2,359.74	1/4	2,039.07	1/4	1,700.39		
1/2	1/2	4,212.88	1/2	3,925.94	1/2	3,641.83	1/2	3,337.48	1/2	3,013.27	1/2	2,682.88	1/2	2,353.44	1/2	2,023.18	1/2	1,693.50		
3/4	3/4	4,206.03	3/4	3,920.22	3/4	3,635.69	3/4	3,330.92	3/4	3,006.38	3/4	2,676.01	3/4	2,346.57	3/4	2,016.28	3/4	1,686.60		
3	3	4,199.18	3	3,914.50	3	3,629.54	3	3,324.35	3	2,999.48	3	2,669.15	3	2,339.71	3	2,009.38	3	1,679.70		
1/4	1/4	4,192.33	1/4	3,908.77	1/4	3,623.40	1/4	3,317.79	1/4	2,992.88	1/4	2,662.29	1/4	2,332.85	1/4	2,002.48	1/4	1,672.80		
1/2	1/2	4,185.47	1/2	3,903.05	1/2	3,617.25	1/2	3,311.25	1/2	2,985.68	1/2	2,655.42	1/2	2,325.99	1/2	1,995.59	1/2	1,665.90		
3/4	3/4	4,178.62	3/4	3,897.28	3/4	3,611.07	3/4	3,304.62	3/4	2,978.79	3/4	2,648.56	3/4	2,319.12	3/4	1,988.69	3/4	1,659.01		
4	4	4,171.77	4	3,891.51	4	3,604.88	4	3,298.02	4	2,971.89	4	2,641.70	4	2,312.26	4	1,981.79	4	1,652.11		
1/4	1/4	4,164.91	1/4	3,885.75	1/4	3,598.70	1/4	3,291.41	1/4	2,964.99	1/4	2,634.83	1/4	2,305.40	1/4	1,974.89	1/4	1,645.21		
1/2	1/2	4,158.06	1/2	3,879.98	1/2	3,592.51	1/2	3,284.81	1/2	2,958.09	1/2	2,627.97	1/2	2,298.53	1/2	1,968.00	1/2	1,638.31		
3/4	3/4	4,151.21	3/4	3,874.18	3/4	3,586.30	3/4	3,278.17	3/4	2,951.20	3/4	2,621.11	3/4	2,291.67	3/4	1,961.10	3/4	1,631.41		
5	5	4,144.36	5	3,868.39	5	3,580.08	5	3,271.54	5	2,944.30	5	2,614.24	5	2,284.81	5	1,954.20	5	1,624.52		
1/4	1/4	4,137.50	1/4	3,862.59	1/4	3,573.87	1/4	3,264.90	1/4	2,937.40	1/4	2,607.38	1/4	2,277.94	1/4	1,947.30	1/4	1,617.72		
1/2	1/2	4,130.65	1/2	3,856.80	1/2	3,567.65	1/2	3,258.27	1/2	2,930.50	1/2	2,600.52	1/2	2,270.33	1/2	1,940.41	1/2	1,610.72		
3/4	3/4	4,123.80	3/4	3,850.97	3/4	3,561.39	3/4	3,251.59	3/4	2,923.61	3/4	2,593.65	3/4	2,264.22	3/4	1,933.51	3/4	1,603.82		
6	6	4,116.94	6	3,845.14	6	3,555.13	6	3,244.91	6	2,916.71	6	2,586.79	6	2,257.35	6	1,926.61	6	1,596.92		
1/4	1/4	4,110.09	1/4	3,839.31	1/4	3,548.87	1/4	3,238.24	1/4	2,909.81	1/4	2,579.93	1/4	2,250.49	1/4	1,919.71	1/4	1,590.03		
1/2	1/2	4,103.24	1/2	3,833.49	1/2	3,542.62	1/2	3,231.56	1/2	2,902.91	1/2	2,573.06	1/2	2,243.63	1/2	1,912.82	1/2	1,583.13		
3/4	3/4	4,097.34	3/4	3,827.62	3/4	3,536.33	3/4	3,224.85	3/4	2,896.02	3/4	2,566.20	3/4	2,236.76	3/4	1,906.01	3/4	1,576.23		
7	7	4,092.43	7	3,821.75	7	3,530.04	7	3,218.15	7	2,889.12	7	2,559.34	7	2,229.90	7	1,899.20	7	1,569.33		
1/4	1/4	4,087.63	1/4	3,815.89	1/4	3,523.75	1/4	3,211.44	1/4	2,882.22	1/4	2,552.47	1/4	2,223.04	1/4	1,892.39	1/4	1,562.43		
1/2	1/2	4,081.63	1/2	3,810.47	1/2	3,517.47	1/2	3,204.73	1/2	2,875.32	1/2	2,545.61	1/2	2,216.17	1/2	1,885.58	1/2	1,555.54		
3/4	3/4	4,076.19	3/4	3,804.12	3/4	3,511.15	3/4	3,197.98	3/4	2,868.43	3/4	2,538.75	3/4	2,209.31	3/4	1,878.77	3/4	1,548.64		
8	8	4,070.76	8	3,798.22	8	3,504.83	8	3,191.23	8	2,861.53	8	2,531.88	8	2,202.45	8	1,871.96	8	1,541.74		
1/4	1/4	4,065.32	1/4	3,792.32	1/4	3,498.51	1/4	3,184.48	1/4	2,854.63	1/4	2,525.02	1/4	2,195.58	1/4	1,865.15	1/4	1,534.84		
1/2	1/2	4,059.89	1/2	3,786.43	1/2	3,492.19	1/2	3,177.73	1/2	2,847.73	1/2	2,518.16	1/2	2,188.72	1/2	1,858.34	1/2	1,527.94		
3/4	3/4	4,054.41	3/4	3,780.49	3/4	3,485.83	3/4	3,170.95	3/4	2,840.84	3/4	2,511.29	3/4	2,181.82	3/4	1,851.53	3/4	1,521.05		
9	9	4,048.94	9	3,774.55	9	3,479.48	9	3,164.17	9	2,833.94	9	2,504.43	9	2,174.92	9	1,844.72	9	1,514.15		
1/4	1/4	4,043.46	1/4	3,768.61	1/4	3,473.12	1/4	3,157.40	1/4	2,827.04	1/4	2,497.57	1/4	2,168.03	1/4	1,837.91	1/4	1,507.25		
1/2	1/2	4,037.98	1/2	3,762.67	1/2	3,466.76	1/2	3,150.62	1/2	2,820.14	1/2	2,490.70	1/2	2,161.13	1/2	1,831.10	1/2	1,500.35		
3/4	3/4	4,032.48	3/4	3,756.70	3/4	3,460.37	3/4	3,143.81	3/4	2,813.28	3/4	2,483.24	3/4	2,154.23	3/4	1,824.43	3/4	1,493.43		
10	10	4,026.97	10	3,750.73	10	3,453.98	10	3,137.00	10	2,806.42	10	2,476.98	10	2,147.33	10	1,817.48	10	1,486.56		
1/4	1/4	4,021.47	1/4	3,744.76	1/4	3,447.59	1/4	3,130.19	1/4	2,799.55	1/4	2,470.11	1/4	2,140.44	1/4	1,810.67	1/4	1,479.66		
1/2	1/2	4,015.96	1/2	3,738.79	1/2	3,441.20	1/2	3,123.38	1/2	2,792.69	1/2	2,463.25	1/2	2,133.54	1/2	1,803.86	1/2	1,472.76		
3/4	3/4	4,010.43	3/4	3,732.78	3/4	3,434.77	3/4	3,116.53	3/4	2,785.83	3/4	2,456.39	3/4	2,126.64	3/4	1,796.97	3/4	1,465.86		
11	11	4,004.89	11	3,726.76	11	3,428.34	11	3,109.68	11	2,778.96	11	2,449.52	11	2,119.74	11	1,790.07	11	1,458.96		
1/4	1/4	3,999.35	1/4	3,720.75	1/4	3,421.91	1/4	3,102.83	1/4	2,772.10	1/4	2,442.66	1/4	2,112.85	1/4	1,783.17	1/4	1,452.07		
1/2	1/2	3,993.81	1/2	3,714.74	1/2	3,415.48	1/2	3,095.98	1/2	2,765.24	1/2	2,435.80	1/2	2,105.95	1/2	1,776.27	1/2	1,445.17		
3/4	3/4	3,988.19	3/4	3,708.70	3/4	3,409.02	3/4	3,089.10	3/4	2,758.37	3/4	2,428.93	3/4	2,099.95	3/4	1,769.37	3/4	1,438.27		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMs CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO 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.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmaocrp.net



Barge "EMS 3046"

Enterprise Marine Services LLC

OUTAGE TABLE

1 PORT

ULLAGE TABLE

GAUGE HEIGHT 14'-10 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,431.37	1/4	1,101.63	1/4	787.75	1/4	493.58	1/4	220.10	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,424.47	1/2	1,094.89	1/2	781.41	1/2	487.68	1/2	214.77	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,417.58	3/4	1,088.14	3/4	775.07	3/4	481.77	3/4	209.44	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,410.68	1	1,081.43	1	768.77	1	475.89	1	204.14	1	0	1	0	1	0	1	0	1	0	1	0
1 1/4	1,403.78	1 1/4	1,074.72	1 1/4	762.48	1 1/4	470.02	1 1/4	198.84	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,396.88	1 1/2	1,068.01	1 1/2	756.18	1 1/2	464.14	1 1/2	193.54	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
1 3/4	1,389.98	1 3/4	1,061.29	1 3/4	749.89	1 3/4	458.26	1 3/4	188.24	1 3/4	0	1 3/4	0	1 3/4	0	1 3/4	0	1 3/4	0	1 3/4	0
2	1,383.09	2	1,054.62	2	743.62	2	452.42	2	182.97	2	0	2	0	2	0	2	0	2	0	2	0
2 1/4	1,376.19	2 1/4	1,047.96	2 1/4	737.35	2 1/4	446.57	2 1/4	177.70	2 1/4	0	2 1/4	0	2 1/4	0	2 1/4	0	2 1/4	0	2 1/4	0
2 1/2	1,369.29	2 1/2	1,041.29	2 1/2	731.09	2 1/2	440.72	2 1/2	172.43	2 1/2	0	2 1/2	0	2 1/2	0	2 1/2	0	2 1/2	0	2 1/2	0
2 3/4	1,362.39	2 3/4	1,034.62	2 3/4	724.82	2 3/4	434.87	2 3/4	167.16	2 3/4	0	2 3/4	0	2 3/4	0	2 3/4	0	2 3/4	0	2 3/4	0
3	1,355.49	3	1,027.98	3	718.58	3	429.06	3	161.92	3	0	3	0	3	0	3	0	3	0	3	0
3 1/4	1,348.60	3 1/4	1,021.34	3 1/4	712.35	3 1/4	423.24	3 1/4	156.69	3 1/4	0	3 1/4	0	3 1/4	0	3 1/4	0	3 1/4	0	3 1/4	0
3 1/2	1,341.70	3 1/2	1,014.70	3 1/2	706.11	3 1/2	417.43	3 1/2	151.45	3 1/2	0	3 1/2	0	3 1/2	0	3 1/2	0	3 1/2	0	3 1/2	0
3 3/4	1,334.80	3 3/4	1,008.06	3 3/4	699.87	3 3/4	411.61	3 3/4	146.21	3 3/4	0	3 3/4	0	3 3/4	0	3 3/4	0	3 3/4	0	3 3/4	0
4	1,327.90	4	1,001.45	4	693.67	4	405.83	4	141.01	4	0	4	0	4	0	4	0	4	0	4	0
4 1/4	1,321.00	4 1/4	994.84	4 1/4	687.47	4 1/4	400.04	4 1/4	135.81	4 1/4	0	4 1/4	0	4 1/4	0	4 1/4	0	4 1/4	0	4 1/4	0
4 1/2	1,314.11	4 1/2	988.24	4 1/2	681.26	4 1/2	394.26	4 1/2	130.60	4 1/2	0	4 1/2	0	4 1/2	0	4 1/2	0	4 1/2	0	4 1/2	0
4 3/4	1,307.21	4 3/4	981.63	4 3/4	675.06	4 3/4	388.48	4 3/4	125.40	4 3/4	0	4 3/4	0	4 3/4	0	4 3/4	0	4 3/4	0	4 3/4	0
5	1,300.31	5	975.05	5	668.89	5	382.72	5	120.24	5	0	5	0	5	0	5	0	5	0	5	0
5 1/4	1,293.41	5 1/4	968.48	5 1/4	662.72	5 1/4	376.96	5 1/4	115.08	5 1/4	0	5 1/4	0	5 1/4	0	5 1/4	0	5 1/4	0	5 1/4	0
5 1/2	1,286.51	5 1/2	961.90	5 1/2	656.55	5 1/2	371.21	5 1/2	109.93	5 1/2	0	5 1/2	0	5 1/2	0	5 1/2	0	5 1/2	0	5 1/2	0
5 3/4	1,279.62	5 3/4	955.32	5 3/4	650.38	5 3/4	365.45	5 3/4	104.77	5 3/4	0	5 3/4	0	5 3/4	0	5 3/4	0	5 3/4	0	5 3/4	0
6	1,272.72	6	948.78	6	644.24	6	359.73	6	99.64	6	0	6	0	6	0	6	0	6	0	6	0
6 1/4	1,265.82	6 1/4	942.24	6 1/4	638.10	6 1/4	354.01	6 1/4	94.51	6 1/4	0	6 1/4	0	6 1/4	0	6 1/4	0	6 1/4	0	6 1/4	0
6 1/2	1,258.92	6 1/2	935.15	6 1/2	631.96	6 1/2	348.29	6 1/2	89.39	6 1/2	0	6 1/2	0	6 1/2	0	6 1/2	0	6 1/2	0	6 1/2	0
6 3/4	1,252.02	6 3/4	928.15	6 3/4	625.82	6 3/4	342.57	6 3/4	84.26	6 3/4	0	6 3/4	0	6 3/4	0	6 3/4	0	6 3/4	0	6 3/4	0
7	1,245.13	7	921.66	7	619.73	7	336.87	7	79.17	7	0	7	0	7	0	7	0	7	0	7	0
7 1/4	1,238.23	7 1/4	916.16	7 1/4	613.64	7 1/4	331.18	7 1/4	73.98	7 1/4	0	7 1/4	0	7 1/4	0	7 1/4	0	7 1/4	0	7 1/4	0
7 1/2	1,231.33	7 1/2	909.67	7 1/2	607.54	7 1/2	325.49	7 1/2	68.39	7 1/2	0	7 1/2	0	7 1/2	0	7 1/2	0	7 1/2	0	7 1/2	0
7 3/4	1,224.43	7 3/4	903.17	7 3/4	601.45	7 3/4	319.80	7 3/4	63.10	7 3/4	0	7 3/4	0	7 3/4	0	7 3/4	0	7 3/4	0	7 3/4	0
8	1,217.53	8	896.70	8	595.39	8	314.14	8	57.84	8	0	8	0	8	0	8	0	8	0	8	0
8 1/4	1,210.64	8 1/4	890.24	8 1/4	589.33	8 1/4	308.47	8 1/4	52.58	8 1/4	0	8 1/4	0	8 1/4	0	8 1/4	0	8 1/4	0	8 1/4	0
8 1/2	1,203.74	8 1/2	883.77	8 1/2	583.28	8 1/2	302.81	8 1/2	47.33	8 1/2	0	8 1/2	0	8 1/2	0	8 1/2	0	8 1/2	0	8 1/2	0
8 3/4	1,196.84	8 3/4	877.30	8 3/4	577.22	8 3/4	297.15	8 3/4	42.07	8 3/4	0	8 3/4	0	8 3/4	0	8 3/4	0	8 3/4	0	8 3/4	0
9	1,190.00	9	870.86	9	571.20	9	291.52	9	37.71	9	0	9	0	9	0	9	0	9	0	9	0
9 1/4	1,183.16	9 1/4	864.42	9 1/4	565.18	9 1/4	285.89	9 1/4	33.34	9 1/4	0	9 1/4	0	9 1/4	0	9 1/4	0	9 1/4	0	9 1/4	0
9 1/2	1,176.32	9 1/2	857.98	9 1/2	559.17	9 1/2	280.26	9 1/2	28.98	9 1/2	0	9 1/2	0	9 1/2	0	9 1/2	0	9 1/2	0	9 1/2	0
9 3/4	1,169.48	9 3/4	851.55	9 3/4	553.15	9 3/4	274.63	9 3/4	24.62	9 3/4	0	9 3/4	0	9 3/4	0	9 3/4	0	9 3/4	0	9 3/4	0
10	1,162.67	10	845.14	10	547.16	10	269.04	10	20.01	10	0	10	0	10	0	10	0	10	0	10	0
10 1/4	1,155.86	10 1/4	838.73	10 1/4	541.18	10 1/4	263.44	10 1/4	19.41	10 1/4	0	10 1/4	0	10 1/4	0	10 1/4	0	10 1/4	0	10 1/4	0
10 1/2	1,149.04	10 1/2	832.33	10 1/2	535.19	10 1/2	257.84	10 1/2	16.80	10 1/2	0	10 1/2	0	10 1/2	0	10 1/2	0	10 1/2	0	10 1/2	0
10 3/4	1,142.23	10 3/4	825.92	10 3/4	529.20	10 3/4	252.25	10 3/4	14.20	10 3/4	0	10 3/4	0	10 3/4	0	10 3/4	0	10 3/4	0	10 3/4	0
11	1,135.46	11	819.55	11	523.25	11	246.87	11	11.50	11	0	11	0	11	0	11	0	11	0	11	0
11 1/4	1,128.68	11 1/4	813.17	11 1/4	517.30	11 1/4	241.50	11 1/4	8.99	11 1/4	0	11 1/4	0	11 1/4	0	11 1/4	0	11 1/4	0	11 1/4	0
11 1/2	1,121.90	11 1/2	806.80	11 1/2	511.35	11 1/2	236.13	11 1/2	6.48	11 1/2	0	11 1/2	0	11 1/2	0	11 1/2	0	11 1/2	0	11 1/2	0
11 3/4	1,115.12	11 3/4	800.43	11 3/4	505.39	11 3/4	230.75	11 3/4	3.97	11 3/4	0	11 3/4	0	11 3/4	0	11 3/4	0	11 3/4	0	11 3/4	0
12	1,108.38	12	794.09	12	499.49	12	225.43	12	1.46	12	0	12	0	12	0	12	0	12	0	12	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2010 CL - SW
 CALCULATED: 08/12/2010 CL
 PRINTED: 08/12/2010 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2010

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmacon.net



Barge "EMS 3046"
Enterprise Marine Services LLC
OUTAGE TABLE

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS										GAUGE HEIGHT 14'-10 3/4"										
IN	0	10 FT.	0	11 FT.	0	12 FT.	0	13 FT.	0	14 FT.	0	15 FT.	0	16 FT.	0	17 FT.	0	18 FT.	0	19 FT.
0	1,436.71	0	1,106.91	0	792.71	0	498.69	0	225.35	0										
1/4	1,429.82	1/4	1,100.17	1/4	786.37	1/4	492.81	1/4	220.02	1/4										
1/2	1,422.92	1/2	1,093.42	1/2	780.03	1/2	486.93	1/2	214.69	1/2										
3/4	1,416.02	3/4	1,086.68	3/4	773.69	3/4	481.05	3/4	209.37	3/4										
1	1,409.13	1	1,079.97	1	767.40	1	475.19	1	204.07	1										
1 1/4	1,402.23	1 1/4	1,073.26	1 1/4	761.10	1 1/4	469.34	1 1/4	198.77	1 1/4										
1 1/2	1,395.34	1 1/2	1,066.55	1 1/2	754.81	1 1/2	463.49	1 1/2	193.47	1 1/2										
3/4	1,388.44	3/4	1,059.84	3/4	748.52	3/4	457.64	3/4	188.17	3/4										
2	1,381.54	2	1,053.17	2	742.25	2	451.82	2	182.90	2										
1 1/4	1,374.65	1 1/4	1,046.50	1 1/4	735.99	1 1/4	446.00	1 1/4	177.64	1 1/4										
1 1/2	1,367.75	1 1/2	1,039.84	1 1/2	729.72	1 1/2	440.18	1 1/2	172.37	1 1/2										
3/4	1,360.86	3/4	1,033.17	3/4	723.46	3/4	434.35	3/4	167.10	3/4										
3	1,353.96	3	1,026.53	3	717.22	3	428.56	3	161.87	3										
1 1/4	1,347.06	1 1/4	1,019.90	1 1/4	710.99	1 1/4	422.77	1 1/4	156.63	1 1/4										
1 1/2	1,340.17	1 1/2	1,013.26	1 1/2	704.75	1 1/2	416.98	1 1/2	151.40	1 1/2										
3/4	1,333.27	3/4	1,006.62	3/4	698.52	3/4	411.19	3/4	146.16	3/4										
4	1,326.37	4	1,000.01	4	692.32	4	405.43	4	140.96	4										
1 1/4	1,319.48	1 1/4	993.41	1 1/4	686.12	1 1/4	399.67	1 1/4	135.76	1 1/4										
1 1/2	1,312.58	1 1/2	986.80	1 1/2	679.91	1 1/2	393.92	1 1/2	130.56	1 1/2										
3/4	1,305.69	3/4	980.19	3/4	673.71	3/4	388.16	3/4	125.35	3/4										
5	1,298.79	5	973.62	5	667.54	5	382.43	5	120.20	5										
1 1/4	1,291.89	1 1/4	967.05	1 1/4	661.37	1 1/4	376.69	1 1/4	115.05	1 1/4										
1 1/2	1,285.00	1 1/2	960.47	1 1/2	655.20	1 1/2	370.96	1 1/2	109.89	1 1/2										
3/4	1,278.10	3/4	953.90	3/4	649.03	3/4	365.23	3/4	104.74	3/4										
6	1,271.21	6	947.36	6	642.90	6	359.54	6	99.61	6										
1 1/4	1,264.31	1 1/4	940.82	1 1/4	636.76	1 1/4	353.84	1 1/4	94.48	1 1/4										
1 1/2	1,257.41	1 1/2	934.27	1 1/2	630.63	1 1/2	348.15	1 1/2	89.36	1 1/2										
3/4	1,250.52	3/4	927.73	3/4	624.49	3/4	342.45	3/4	84.23	3/4										
7	1,243.62	7	921.24	7	618.42	7	336.76	7	78.94	7										
1 1/4	1,236.73	1 1/4	914.75	1 1/4	612.35	1 1/4	331.07	1 1/4	73.65	1 1/4										
1 1/2	1,229.83	1 1/2	908.25	1 1/2	606.28	1 1/2	325.38	1 1/2	68.37	1 1/2										
3/4	1,222.93	3/4	901.76	3/4	600.22	3/4	319.69	3/4	63.08	3/4										
8	1,216.04	8	895.29	8	594.18	8	314.03	8	57.82	8										
1 1/4	1,209.14	1 1/4	888.83	1 1/4	588.15	1 1/4	308.37	1 1/4	52.57	1 1/4										
1 1/2	1,202.25	1 1/2	882.36	1 1/2	582.12	1 1/2	302.71	1 1/2	47.31	1 1/2										
3/4	1,195.35	3/4	875.90	3/4	576.09	3/4	297.05	3/4	42.05	3/4										
9	1,188.51	9	869.46	9	570.10	9	291.42	9	37.69	9										
1 1/4	1,181.67	1 1/4	863.02	1 1/4	564.10	1 1/4	285.79	1 1/4	33.33	1 1/4										
1 1/2	1,174.83	1 1/2	856.58	1 1/2	558.11	1 1/2	280.17	1 1/2	28.97	1 1/2										
3/4	1,167.99	3/4	850.15	3/4	552.12	3/4	274.54	3/4	24.61	3/4										
10	1,161.18	10	843.74	10	546.16	10	268.94	10	22.00	10										
1 1/4	1,154.38	1 1/4	837.34	1 1/4	540.20	1 1/4	263.35	1 1/4	19.40	1 1/4										
1 1/2	1,147.57	1 1/2	830.93	1 1/2	534.24	1 1/2	257.75	1 1/2	16.80	1 1/2										
3/4	1,140.76	3/4	824.53	3/4	528.28	3/4	252.16	3/4	14.19	3/4										
11	1,133.98	11	818.16	11	522.35	11	246.79	11		11										
1 1/4	1,127.20	1 1/4	811.79	1 1/4	516.42	1 1/4	241.42	1 1/4		1 1/4										
1 1/2	1,120.43	1 1/2	805.42	1 1/2	510.50	1 1/2	236.05	1 1/2		1 1/2										
3/4	1,113.65	3/4	799.04	3/4	504.57	3/4	230.67	3/4		3/4										

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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ALL PRIOR TO 08/2010

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



Barge "EMS 3046"
Enterprise Marine Services LLC

OUTAGE TABLE

2 PORT
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.					
IN	W	IN	W	IN	W	IN	W	IN	W	IN	W	IN	W	IN	W	IN	W	IN	W				
0	0	5,215.62	0	4,889.69	0	4,541.88	0	4,190.44	0	3,815.33	0	3,428.09	0	3,042.35	0	2,656.05	0	2,270.30					
1/4	1/4	5,209.61	1/4	4,883.11	1/4	4,534.80	1/4	4,182.88	1/4	3,807.27	1/4	3,420.06	1/4	3,034.32	1/4	2,647.97	1/4	2,262.22					
1/2	1/2	5,203.60	1/2	4,856.53	1/2	4,527.73	1/2	4,175.31	1/2	3,799.21	1/2	3,412.92	1/2	3,026.28	1/2	2,639.90	1/2	2,254.14					
3/4	3/4	5,195.58	3/4	4,849.91	3/4	4,520.61	3/4	4,167.69	3/4	3,791.13	3/4	3,403.98	3/4	3,018.25	3/4	2,631.82	3/4	2,246.07					
1	1	5,187.55	1	4,843.29	1	4,513.50	1	4,160.08	1	3,783.06	1	3,395.95	1	3,010.21	1	2,623.74	1	2,237.99					
1/4	1/4	5,179.53	1/4	4,836.66	1/4	4,506.39	1/4	4,152.46	1/4	3,774.98	1/4	3,387.91	1/4	3,002.17	1/4	2,615.67	1/4	2,229.91					
1/2	1/2	5,171.51	1/2	4,830.24	1/2	4,499.28	1/2	4,144.84	1/2	3,766.90	1/2	3,379.87	1/2	2,994.10	1/2	2,607.59	1/2	2,221.84					
3/4	3/4	5,163.48	3/4	4,823.38	3/4	4,492.12	3/4	4,137.19	3/4	3,758.83	3/4	3,371.84	3/4	2,986.14	3/4	2,599.51	3/4	2,213.76					
2	2	5,155.46	2	4,816.71	2	4,484.96	2	4,129.54	2	3,750.75	2	3,363.80	2	2,978.06	2	2,591.44	2	2,205.68					
1/4	1/4	5,147.43	1/4	4,810.04	1/4	4,477.80	1/4	4,121.89	1/4	3,742.67	1/4	3,355.77	1/4	2,970.03	1/4	2,583.36	1/4	2,197.61					
1/2	1/2	5,139.41	1/2	4,803.37	1/2	4,470.64	1/2	4,114.24	1/2	3,734.60	1/2	3,347.73	1/2	2,961.99	1/2	2,575.28	1/2	2,189.53					
3/4	3/4	5,131.38	3/4	4,796.67	3/4	4,463.45	3/4	4,106.56	3/4	3,726.52	3/4	3,339.69	3/4	2,953.96	3/4	2,567.21	3/4	2,181.45					
3	3	5,123.36	3	4,789.97	3	4,456.25	3	4,098.87	3	3,718.45	3	3,331.66	3	2,945.92	3	2,559.13	3	2,173.38					
1/4	1/4	5,115.33	1/4	4,783.26	1/4	4,449.06	1/4	4,091.18	1/4	3,710.37	1/4	3,323.62	1/4	2,937.88	1/4	2,551.05	1/4	2,165.30					
1/2	1/2	5,107.31	1/2	4,776.56	1/2	4,441.86	1/2	4,083.50	1/2	3,702.29	1/2	3,315.58	1/2	2,929.85	1/2	2,542.98	1/2	2,157.22					
3/4	3/4	5,099.29	3/4	4,769.80	3/4	4,434.62	3/4	4,075.76	3/4	3,694.22	3/4	3,307.55	3/4	2,921.81	3/4	2,534.90	3/4	2,149.15					
4	4	5,091.26	4	4,763.05	4	4,427.38	4	4,068.03	4	3,686.14	4	3,299.51	4	2,913.77	4	2,526.82	4	2,141.07					
1/4	1/4	5,083.24	1/4	4,756.29	1/4	4,420.13	1/4	4,060.30	1/4	3,678.06	1/4	3,291.48	1/4	2,905.74	1/4	2,518.75	1/4	2,132.99					
1/2	1/2	5,075.21	1/2	4,749.54	1/2	4,412.89	1/2	4,052.56	1/2	3,669.99	1/2	3,283.44	1/2	2,897.70	1/2	2,510.67	1/2	2,124.92					
3/4	3/4	5,067.19	3/4	4,742.75	3/4	4,405.61	3/4	4,044.79	3/4	3,661.91	3/4	3,275.40	3/4	2,889.67	3/4	2,502.59	3/4	2,116.84					
5	5	5,059.16	5	4,735.97	5	4,398.33	5	4,037.02	5	3,653.83	5	3,267.37	5	2,881.63	5	2,494.52	5	2,108.76					
1/4	1/4	5,051.14	1/4	4,729.18	1/4	4,391.05	1/4	4,029.25	1/4	3,645.76	1/4	3,259.33	1/4	2,873.59	1/4	2,486.44	1/4	2,100.68					
1/2	1/2	5,043.11	1/2	4,722.39	1/2	4,383.78	1/2	4,021.48	1/2	3,637.68	1/2	3,251.30	1/2	2,865.56	1/2	2,478.36	1/2	2,092.61					
3/4	3/4	5,035.09	3/4	4,715.67	3/4	4,376.45	3/4	4,013.66	3/4	3,629.60	3/4	3,243.26	3/4	2,857.52	3/4	2,470.29	3/4	2,084.53					
6	6	5,027.06	6	4,708.74	6	4,369.12	6	4,005.84	6	3,621.53	6	3,235.22	6	2,849.49	6	2,462.21	6	2,076.45					
1/4	1/4	5,019.04	1/4	4,701.99	1/4	4,361.79	1/4	3,998.03	1/4	3,613.45	1/4	3,227.19	1/4	2,841.45	1/4	2,454.13	1/4	2,068.38					
1/2	1/2	5,011.02	1/2	4,695.09	1/2	4,354.46	1/2	3,990.21	1/2	3,605.37	1/2	3,219.15	1/2	2,833.41	1/2	2,446.06	1/2	2,060.30					
3/4	3/4	5,004.69	3/4	4,688.22	3/4	4,347.10	3/4	3,982.36	3/4	3,597.30	3/4	3,211.11	3/4	2,825.38	3/4	2,438.10	3/4	2,052.22					
7	7	4,998.36	7	4,681.35	7	4,339.73	7	3,974.55	7	3,589.22	7	3,203.08	7	2,817.34	7	2,430.14	7	2,044.15					
1/4	1/4	4,992.03	1/4	4,674.48	1/4	4,332.37	1/4	3,966.55	1/4	3,581.14	1/4	3,195.04	1/4	2,809.30	1/4	2,422.19	1/4	2,036.07					
1/2	1/2	4,985.70	1/2	4,667.61	1/2	4,325.01	1/2	3,958.79	1/2	3,573.07	1/2	3,187.01	1/2	2,801.27	1/2	2,414.23	1/2	2,027.99					
3/4	3/4	4,979.34	3/4	4,660.70	3/4	4,317.61	3/4	3,950.89	3/4	3,564.99	3/4	3,179.97	3/4	2,793.23	3/4	2,406.27	3/4	2,019.92					
8	8	4,972.97	8	4,653.79	8	4,310.21	8	3,942.99	8	3,556.91	8	3,170.93	8	2,785.20	8	2,398.32	8	2,011.84					
1/4	1/4	4,966.61	1/4	4,646.89	1/4	4,302.81	1/4	3,935.08	1/4	3,548.84	1/4	3,162.90	1/4	2,777.16	1/4	2,390.36	1/4	2,003.76					
1/2	1/2	4,960.25	1/2	4,639.98	1/2	4,295.41	1/2	3,927.18	1/2	3,540.76	1/2	3,154.86	1/2	2,769.12	1/2	2,382.41	1/2	1,995.69					
3/4	3/4	4,953.83	3/4	4,633.02	3/4	4,287.97	3/4	3,919.24	3/4	3,532.68	3/4	3,146.82	3/4	2,761.05	3/4	2,374.45	3/4	1,987.61					
9	9	4,947.42	9	4,626.07	9	4,280.52	9	3,911.30	9	3,524.61	9	3,138.79	9	2,752.97	9	2,366.49	9	1,979.53					
1/4	1/4	4,941.00	1/4	4,619.11	1/4	4,273.07	1/4	3,903.36	1/4	3,516.53	1/4	3,130.75	1/4	2,744.89	1/4	2,358.54	1/4	1,971.46					
1/2	1/2	4,934.59	1/2	4,612.16	1/2	4,265.63	1/2	3,895.43	1/2	3,508.45	1/2	3,122.72	1/2	2,736.82	1/2	2,350.58	1/2	1,963.38					
3/4	3/4	4,928.14	3/4	4,605.17	3/4	4,258.15	3/4	3,887.45	3/4	3,500.42	3/4	3,114.68	3/4	2,728.74	3/4	2,342.62	3/4	1,955.30					
10	10	4,921.69	10	4,598.17	10	4,250.66	10	3,879.48	10	3,492.38	10	3,106.54	10	2,720.66	10	2,334.67	10	1,947.23					
1/4	1/4	4,915.25	1/4	4,591.18	1/4	4,243.18	1/4	3,871.50	1/4	3,484.34	1/4	3,098.61	1/4	2,712.59	1/4	2,326.71	1/4	1,939.15					
1/2	1/2	4,908.80	1/2	4,584.19	1/2	4,235.70	1/2	3,863.53	1/2	3,476.31	1/2	3,090.57	1/2	2,704.51	1/2	2,318.76	1/2	1,931.07					
3/4	3/4	4,902.31	3/4	4,577.15	3/4	4,228.17	3/4	3,852.51	3/4	3,468.27	3/4	3,082.53	3/4	2,696.43	3/4	2,310.68	3/4	1,923.00					
11	11	4,895.83	11	4,570.11	11	4,220.64	11	3,843.49	11	3,460.24	11	3,074.50	11	2,688.36	11	2,302.60	11	1,914.92					
1/4	1/4	4,889.34	1/4	4,563.07	1/4	4,213.11	1/4	3,833.47	1/4	3,452.20	1/4	3,066.46	1/4	2,680.28	1/4	2,294.53	1/4	1,906.84					
1/2	1/2	4,882.86	1/2	4,556.02	1/2	4,205.58	1/2	3,831.45	1/2	3,444.16	1/2	3,058.43	1/2	2,672.20	1/2	2,286.45	1/2	1,898.77					
3/4	3/4	4,876.28	3/4	4,548.95	3/4	4,198.01	3/4	3,823.39	3/4	3,436.13	3/4	3,050.39	3/4	2,664.13	3/4	2,278.37	3/4	1,890.69					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPRS 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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77586
http://www.pmacorp.net



Barge "EMS 3046"
Enterprise Marine Services LLC
OUTAGE TABLE

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 14'-10 1/2"																	
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,882.61	0	1,494.93	0	1,107.25	0	719.83	0	333.82	0	0	0	0	0	0	0	0	0	0
1/4	1,874.54	1/4	1,486.86	1/4	1,099.17	1/4	711.77	1/4	325.97	1/4	16.55	1/4	16.55	1/4	16.55	1/4	16.55	1/4	16.55
1/2	1,866.46	1/2	1,478.78	1/2	1,091.10	1/2	703.70	1/2	318.11	1/2	31.11	1/2	31.11	1/2	31.11	1/2	31.11	1/2	31.11
3/4	1,858.38	3/4	1,470.70	3/4	1,083.02	3/4	695.64	3/4	310.26	3/4	36.26	3/4	36.26	3/4	36.26	3/4	36.26	3/4	36.26
1	1,850.31	1	1,462.63	1	1,074.94	1	687.58	1	302.41	1	41.41	1	41.41	1	41.41	1	41.41	1	41.41
1/4	1,842.23	1/4	1,454.55	1/4	1,066.87	1/4	679.52	1/4	294.55	1/4	46.55	1/4	46.55	1/4	46.55	1/4	46.55	1/4	46.55
1/2	1,834.15	1/2	1,446.47	1/2	1,058.79	1/2	671.47	1/2	286.70	1/2	51.70	1/2	51.70	1/2	51.70	1/2	51.70	1/2	51.70
3/4	1,826.08	3/4	1,438.40	3/4	1,050.71	3/4	663.41	3/4	278.84	3/4	56.84	3/4	56.84	3/4	56.84	3/4	56.84	3/4	56.84
2	1,818.00	2	1,430.32	2	1,042.64	2	655.35	2	270.99	2	61.99	2	61.99	2	61.99	2	61.99	2	61.99
1/4	1,809.92	1/4	1,422.24	1/4	1,034.56	1/4	647.29	1/4	263.14	1/4	67.14	1/4	67.14	1/4	67.14	1/4	67.14	1/4	67.14
1/2	1,801.85	1/2	1,414.17	1/2	1,026.48	1/2	639.23	1/2	255.28	1/2	72.28	1/2	72.28	1/2	72.28	1/2	72.28	1/2	72.28
3/4	1,793.77	3/4	1,406.09	3/4	1,018.41	3/4	631.16	3/4	247.43	3/4	77.43	3/4	77.43	3/4	77.43	3/4	77.43	3/4	77.43
3	1,785.69	3	1,398.01	3	1,010.33	3	623.10	3	239.58	3	82.58	3	82.58	3	82.58	3	82.58	3	82.58
1/4	1,777.62	1/4	1,389.94	1/4	1,002.25	1/4	615.04	1/4	231.72	1/4	87.72	1/4	87.72	1/4	87.72	1/4	87.72	1/4	87.72
1/2	1,769.54	1/2	1,381.86	1/2	994.18	1/2	606.98	1/2	223.87	1/2	92.87	1/2	92.87	1/2	92.87	1/2	92.87	1/2	92.87
3/4	1,761.46	3/4	1,373.78	3/4	986.10	3/4	598.92	3/4	216.02	3/4	98.02	3/4	98.02	3/4	98.02	3/4	98.02	3/4	98.02
4	1,753.39	4	1,365.71	4	978.02	4	590.86	4	208.16	4	103.16	4	103.16	4	103.16	4	103.16	4	103.16
1/4	1,745.31	1/4	1,357.63	1/4	969.95	1/4	582.80	1/4	200.31	1/4	108.31	1/4	108.31	1/4	108.31	1/4	108.31	1/4	108.31
1/2	1,737.23	1/2	1,349.55	1/2	961.87	1/2	574.74	1/2	192.45	1/2	113.45	1/2	113.45	1/2	113.45	1/2	113.45	1/2	113.45
3/4	1,729.16	3/4	1,341.48	3/4	953.79	3/4	566.67	3/4	184.60	3/4	118.60	3/4	118.60	3/4	118.60	3/4	118.60	3/4	118.60
5	1,721.08	5	1,333.40	5	945.72	5	558.60	5	176.75	5	123.75	5	123.75	5	123.75	5	123.75	5	123.75
1/4	1,713.00	1/4	1,325.32	1/4	937.64	1/4	550.53	1/4	168.89	1/4	128.89	1/4	128.89	1/4	128.89	1/4	128.89	1/4	128.89
1/2	1,704.93	1/2	1,317.25	1/2	929.56	1/2	542.47	1/2	161.04	1/2	134.04	1/2	134.04	1/2	134.04	1/2	134.04	1/2	134.04
3/4	1,696.85	3/4	1,309.17	3/4	921.49	3/4	534.39	3/4	153.19	3/4	139.19	3/4	139.19	3/4	139.19	3/4	139.19	3/4	139.19
6	1,688.77	6	1,301.09	6	913.41	6	526.31	6	145.33	6	144.33	6	144.33	6	144.33	6	144.33	6	144.33
1/4	1,680.70	1/4	1,293.01	1/4	905.33	1/4	518.24	1/4	137.48	1/4	149.48	1/4	149.48	1/4	149.48	1/4	149.48	1/4	149.48
1/2	1,672.62	1/2	1,284.94	1/2	897.26	1/2	510.16	1/2	129.63	1/2	154.63	1/2	154.63	1/2	154.63	1/2	154.63	1/2	154.63
3/4	1,664.54	3/4	1,276.86	3/4	889.18	3/4	502.09	3/4	121.55	3/4	159.78	3/4	159.78	3/4	159.78	3/4	159.78	3/4	159.78
7	1,656.47	7	1,268.78	7	881.10	7	494.01	7	113.47	7	164.91	7	164.91	7	164.91	7	164.91	7	164.91
1/4	1,648.39	1/4	1,260.71	1/4	873.03	1/4	485.93	1/4	105.40	1/4	170.03	1/4	170.03	1/4	170.03	1/4	170.03	1/4	170.03
1/2	1,640.31	1/2	1,252.63	1/2	864.95	1/2	477.86	1/2	97.32	1/2	175.16	1/2	175.16	1/2	175.16	1/2	175.16	1/2	175.16
3/4	1,632.24	3/4	1,244.55	3/4	856.88	3/4	469.78	3/4	89.24	3/4	180.24	3/4	180.24	3/4	180.24	3/4	180.24	3/4	180.24
8	1,624.16	8	1,236.48	8	848.81	8	461.70	8	81.17	8	185.37	8	185.37	8	185.37	8	185.37	8	185.37
1/4	1,616.08	1/4	1,228.40	1/4	840.75	1/4	453.63	1/4	73.09	1/4	190.50	1/4	190.50	1/4	190.50	1/4	190.50	1/4	190.50
1/2	1,608.01	1/2	1,220.32	1/2	832.68	1/2	445.55	1/2	65.01	1/2	195.63	1/2	195.63	1/2	195.63	1/2	195.63	1/2	195.63
3/4	1,599.93	3/4	1,212.25	3/4	824.62	3/4	437.48	3/4	57.95	3/4	200.76	3/4	200.76	3/4	200.76	3/4	200.76	3/4	200.76
9	1,591.85	9	1,204.17	9	816.56	9	429.40	9	50.88	9	205.89	9	205.89	9	205.89	9	205.89	9	205.89
1/4	1,583.78	1/4	1,196.09	1/4	808.50	1/4	421.32	1/4	43.81	1/4	211.02	1/4	211.02	1/4	211.02	1/4	211.02	1/4	211.02
1/2	1,575.70	1/2	1,188.02	1/2	800.44	1/2	413.25	1/2	36.74	1/2	216.15	1/2	216.15	1/2	216.15	1/2	216.15	1/2	216.15
3/4	1,567.62	3/4	1,179.94	3/4	792.37	3/4	405.17	3/4	31.69	3/4	221.28	3/4	221.28	3/4	221.28	3/4	221.28	3/4	221.28
10	1,559.55	10	1,171.86	10	784.31	10	397.09	10	26.65	10	226.41	10	226.41	10	226.41	10	226.41	10	226.41
1/4	1,551.47	1/4	1,163.79	1/4	776.25	1/4	389.02	1/4	21.60	1/4	231.54	1/4	231.54	1/4	231.54	1/4	231.54	1/4	231.54
1/2	1,543.39	1/2	1,155.71	1/2	768.19	1/2	380.94	1/2	16.55	1/2	236.67	1/2	236.67	1/2	236.67	1/2	236.67	1/2	236.67
3/4	1,535.32	3/4	1,147.63	3/4	760.13	3/4	372.09	3/4	11.50	3/4	241.80	3/4	241.80	3/4	241.80	3/4	241.80	3/4	241.80
11	1,527.24	11	1,139.56	11	752.07	11	363.23	11	6.45	11	246.93	11	246.93	11	246.93	11	246.93	11	246.93
1/4	1,519.16	1/4	1,131.48	1/4	744.01	1/4	357.38	1/4	1.40	1/4	252.06	1/4	252.06	1/4	252.06	1/4	252.06	1/4	252.06
1/2	1,511.09	1/2	1,123.40	1/2	735.95	1/2	349.53	1/2	0.00	1/2	257.19	1/2	257.19	1/2	257.19	1/2	257.19	1/2	257.19
3/4	1,503.01	3/4	1,115.33	3/4	727.89	3/4	341.67	3/4	0.00	3/4	262.32	3/4	262.32	3/4	262.32	3/4	262.32	3/4	262.32

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

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STRAPPED: 08/12/2010 CL - SW
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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2010



Barge "EMS 3046"
Enterprise Marine Services LLC

OUTAGE TABLE

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 3/4"

Table with columns for measurement points (0 FT., 1 FT., 2 FT., 3 FT., 4 FT., 5 FT., 6 FT., 7 FT., 8 FT., 9 FT.) and rows for various gauge points (1/4, 1/2, 3/4, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14). Each cell contains numerical values representing capacity in barrels.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IMPS 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 43'-03" FORWARD OF AFT BULKHEAD.

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Barge "EMS 3046"
Enterprise Marine Services LLC
OUTAGE TABLE

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 14'-10 3/4"								
IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	1,876.02	0	1,488.34	0	1,100.65	0	719.63	0	341.67	0
1/4	1,867.94	1/4	1,480.26	1/4	1,092.58	1/4	711.88	1/4	333.82	1/4
1/2	1,859.86	1/2	1,472.18	1/2	1,084.50	1/2	704.12	1/2	325.97	1/2
3/4	1,851.79	3/4	1,464.11	3/4	1,076.42	3/4	696.37	3/4	318.11	3/4
1	1,843.71	1	1,456.03	1	1,068.35	1	688.61	1	310.26	1
1 1/4	1,835.63	1 1/4	1,447.95	1 1/4	1,060.27	1 1/4	680.86	1 1/4	302.40	1 1/4
1 1/2	1,827.56	1 1/2	1,439.88	1 1/2	1,052.19	1 1/2	673.11	1 1/2	294.55	1 1/2
3/4	1,819.48	3/4	1,431.80	3/4	1,044.12	3/4	665.35	3/4	286.70	3/4
2	1,811.40	2	1,423.72	2	1,036.04	2	657.60	2	278.84	2
1 1/4	1,803.33	1 1/4	1,415.65	1 1/4	1,027.96	1 1/4	649.84	1 1/4	270.99	1 1/4
1 1/2	1,795.25	1 1/2	1,407.57	1 1/2	1,019.89	1 1/2	642.09	1 1/2	263.14	1 1/2
3/4	1,787.17	3/4	1,399.49	3/4	1,011.81	3/4	634.34	3/4	255.28	3/4
3	1,779.10	3	1,391.42	3	1,003.73	3	626.58	3	247.43	3
1 1/4	1,771.02	1 1/4	1,383.34	1 1/4	995.66	1 1/4	618.83	1 1/4	239.58	1 1/4
1 1/2	1,762.94	1 1/2	1,375.26	1 1/2	987.58	1 1/2	611.07	1 1/2	231.72	1 1/2
3/4	1,754.87	3/4	1,367.19	3/4	979.50	3/4	603.32	3/4	223.87	3/4
4	1,746.79	4	1,359.11	4	971.43	4	595.56	4	216.02	4
1 1/4	1,738.71	1 1/4	1,351.03	1 1/4	963.35	1 1/4	587.81	1 1/4	208.16	1 1/4
1 1/2	1,730.64	1 1/2	1,342.96	1 1/2	955.27	1 1/2	580.05	1 1/2	200.31	1 1/2
3/4	1,722.56	3/4	1,334.88	3/4	947.20	3/4	572.30	3/4	192.45	3/4
5	1,714.48	5	1,326.80	5	939.12	5	564.53	5	184.60	5
1 1/4	1,706.41	1 1/4	1,318.73	1 1/4	931.04	1 1/4	556.77	1 1/4	176.75	1 1/4
1 1/2	1,698.33	1 1/2	1,310.65	1 1/2	922.97	1 1/2	549.01	1 1/2	168.89	1 1/2
3/4	1,690.25	3/4	1,302.57	3/4	914.89	3/4	541.25	3/4	161.04	3/4
6	1,682.18	6	1,294.50	6	906.81	6	533.48	6	153.19	6
1 1/4	1,674.10	1 1/4	1,286.42	1 1/4	898.74	1 1/4	525.71	1 1/4	145.33	1 1/4
1 1/2	1,666.02	1 1/2	1,278.34	1 1/2	890.66	1 1/2	517.94	1 1/2	137.48	1 1/2
3/4	1,657.95	3/4	1,270.26	3/4	882.58	3/4	510.16	3/4	129.63	3/4
7	1,649.87	7	1,262.19	7	874.81	7	502.09	7	121.55	7
1 1/4	1,641.79	1 1/4	1,254.11	1 1/4	867.04	1 1/4	494.01	1 1/4	113.47	1 1/4
1 1/2	1,633.72	1 1/2	1,246.03	1 1/2	859.27	1 1/2	485.94	1 1/2	105.40	1 1/2
3/4	1,625.64	3/4	1,237.96	3/4	851.50	3/4	477.86	3/4	97.32	3/4
8	1,617.56	8	1,229.88	8	843.74	8	469.78	8	89.24	8
1 1/4	1,609.49	1 1/4	1,221.80	1 1/4	835.98	1 1/4	461.71	1 1/4	81.17	1 1/4
1 1/2	1,601.41	1 1/2	1,213.73	1 1/2	828.21	1 1/2	453.63	1 1/2	73.09	1 1/2
3/4	1,593.33	3/4	1,205.65	3/4	820.45	3/4	445.55	3/4	65.01	3/4
9	1,585.26	9	1,197.57	9	812.70	9	437.48	9	57.95	9
1 1/4	1,577.18	1 1/4	1,189.50	1 1/4	804.94	1 1/4	429.40	1 1/4	50.88	1 1/4
1 1/2	1,569.10	1 1/2	1,181.42	1 1/2	797.19	1 1/2	421.32	1 1/2	43.81	1 1/2
3/4	1,561.03	3/4	1,173.34	3/4	789.43	3/4	413.25	3/4	36.74	3/4
10	1,552.95	10	1,165.27	10	781.68	10	405.17	10	31.69	10
1 1/4	1,544.87	1 1/4	1,157.19	1 1/4	773.92	1 1/4	397.09	1 1/4	26.65	1 1/4
1 1/2	1,536.80	1 1/2	1,149.11	1 1/2	766.17	1 1/2	389.02	1 1/2	21.60	1 1/2
3/4	1,528.72	3/4	1,141.04	3/4	758.41	3/4	380.94	3/4	16.55	3/4
11	1,520.64	11	1,132.96	11	750.66	11	373.09	11	11	11
1 1/4	1,512.57	1 1/4	1,124.88	1 1/4	742.90	1 1/4	365.23	1 1/4	11	11
1 1/2	1,504.49	1 1/2	1,116.81	1 1/2	735.14	1 1/2	357.38	1 1/2	11	11
3/4	1,496.41	3/4	1,108.73	3/4	727.39	3/4	349.53	3/4	11	11

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2010

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



Barge "EMS 3046"
Enterprise Marine Services LLC

OUTAGE TABLE

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-10 3/4"

Table with columns: 0 FT., 1 FT., 2 FT., 3 FT., 4 FT., 5 FT., 6 FT., 7 FT., 8 FT., 9 FT. Each column contains multiple rows of numerical data representing capacity measurements.

PRECISION MEASUREMENT & ANALYSIS, INC. BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7. 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'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY. P.O. Box 2092, Pearland, Texas 77588, http://www.pmacorp.net



Barge "EMS 3046"
Enterprise Marine Services LLC
OUTAGE TABLE

3 PORT
VILLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 14'-10 3/4"																	
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,758.44	0	1,397.95	0	1,037.37	0	677.02	0	317.82	0		0		0		0		0	
1/4	1,750.93	1/4	1,390.44	1/4	1,029.86	1/4	669.53	1/4	310.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,743.42	1/2	1,382.93	1/2	1,022.34	1/2	662.03	1/2	303.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,735.91	3/4	1,375.42	3/4	1,014.83	3/4	654.53	3/4	295.91	3/4		3/4		3/4		3/4		3/4	
1	1,728.40	1	1,367.90	1	1,007.32	1	647.04	1	288.61	1		1		1		1		1	
1 1/4	1,720.89	1 1/4	1,360.39	1 1/4	999.81	1 1/4	639.54	1 1/4	281.30	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,713.38	1 1/2	1,352.88	1 1/2	992.29	1 1/2	632.05	1 1/2	274.00	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,705.87	3/4	1,345.37	3/4	984.78	3/4	624.55	3/4	266.89	3/4		3/4		3/4		3/4		3/4	
2	1,698.36	2	1,337.86	2	977.27	2	617.06	2	259.39	2		2		2		2		2	
1 1/4	1,690.85	1 1/4	1,330.34	1 1/4	969.76	1 1/4	609.56	1 1/4	252.08	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,683.33	1 1/2	1,322.83	1 1/2	962.25	1 1/2	602.06	1 1/2	244.78	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,675.82	3/4	1,315.32	3/4	954.73	3/4	594.57	3/4	237.47	3/4		3/4		3/4		3/4		3/4	
3	1,668.31	3	1,307.81	3	947.22	3	587.07	3	230.17	3		3		3		3		3	
1 1/4	1,660.80	1 1/4	1,300.29	1 1/4	939.71	1 1/4	579.58	1 1/4	222.86	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,653.29	1 1/2	1,292.78	1 1/2	932.20	1 1/2	572.08	1 1/2	215.56	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,645.78	3/4	1,285.27	3/4	924.68	3/4	564.58	3/4	208.25	3/4		3/4		3/4		3/4		3/4	
4	1,638.27	4	1,277.76	4	917.17	4	557.09	4	200.95	4		4		4		4		4	
1 1/4	1,630.76	1 1/4	1,270.25	1 1/4	909.66	1 1/4	549.59	1 1/4	193.64	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,623.25	1 1/2	1,262.73	1 1/2	902.15	1 1/2	542.09	1 1/2	186.34	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,615.74	3/4	1,255.22	3/4	894.64	3/4	534.60	3/4	179.03	3/4		3/4		3/4		3/4		3/4	
5	1,608.23	5	1,247.71	5	887.12	5	527.10	5	171.73	5		5		5		5		5	
1 1/4	1,600.72	1 1/4	1,240.20	1 1/4	879.61	1 1/4	519.59	1 1/4	164.42	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,593.21	1 1/2	1,232.68	1 1/2	872.10	1 1/2	512.09	1 1/2	157.12	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,585.70	3/4	1,225.17	3/4	864.59	3/4	504.59	3/4	149.81	3/4		3/4		3/4		3/4		3/4	
5	1,578.19	5	1,217.66	5	857.07	5	497.07	5	142.51	5		5		5		5		5	
1 1/4	1,570.68	1 1/4	1,210.15	1 1/4	849.56	1 1/4	489.56	1 1/4	135.20	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,563.17	1 1/2	1,202.64	1 1/2	842.05	1 1/2	482.05	1 1/2	127.90	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,555.66	3/4	1,195.12	3/4	834.54	3/4	474.54	3/4	120.59	3/4		3/4		3/4		3/4		3/4	
7	1,548.15	7	1,187.61	7	827.03	7	467.03	7	113.08	7		7		7		7		7	
1 1/4	1,540.64	1 1/4	1,180.10	1 1/4	819.51	1 1/4	459.51	1 1/4	105.57	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,533.13	1 1/2	1,172.59	1 1/2	812.00	1 1/2	452.00	1 1/2	98.06	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,525.62	3/4	1,165.08	3/4	804.49	3/4	444.49	3/4	90.56	3/4		3/4		3/4		3/4		3/4	
8	1,518.11	8	1,157.56	8	796.99	8	436.98	8	83.03	8		8		8		8		8	
1 1/4	1,510.60	1 1/4	1,150.05	1 1/4	789.48	1 1/4	429.47	1 1/4	75.52	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,503.09	1 1/2	1,142.54	1 1/2	781.98	1 1/2	421.96	1 1/2	68.01	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,495.58	3/4	1,135.03	3/4	774.48	3/4	414.44	3/4	60.50	3/4		3/4		3/4		3/4		3/4	
9	1,488.07	9	1,127.51	9	766.98	9	406.93	9	53.92	9		9		9		9		9	
1 1/4	1,480.56	1 1/4	1,120.00	1 1/4	759.48	1 1/4	399.42	1 1/4	47.35	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,473.05	1 1/2	1,112.49	1 1/2	751.99	1 1/2	391.91	1 1/2	40.78	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,465.54	3/4	1,104.98	3/4	744.49	3/4	384.40	3/4	34.20	3/4		3/4		3/4		3/4		3/4	
10	1,458.03	10	1,097.47	10	736.99	10	376.88	10	29.51	10		10		10		10		10	
1 1/4	1,450.52	1 1/4	1,089.95	1 1/4	729.50	1 1/4	369.37	1 1/4	24.81	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,443.01	1 1/2	1,082.44	1 1/2	722.00	1 1/2	361.86	1 1/2	20.12	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,435.50	3/4	1,074.93	3/4	714.50	3/4	354.35	3/4	15.42	3/4		3/4		3/4		3/4		3/4	
11	1,427.99	11	1,067.42	11	707.01	11	347.04	11		11		11		11		11		11	
1 1/4	1,420.48	1 1/4	1,059.90	1 1/4	699.51	1 1/4	339.74	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,412.97	1 1/2	1,052.39	1 1/2	692.02	1 1/2	332.43	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,405.46	3/4	1,044.88	3/4	684.52	3/4	325.13	3/4		3/4		3/4		3/4		3/4		3/4	

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Barge "EMS 3046"
Enterprise Marine Services LLC

OUTGAGE TABLE

3 STBD

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	4,133.68	0	3,919.95	0	3,466.18	0	3,173.89	0	2,815.65
1/4	0	4,330.96	1/4	4,109.86	1/4	3,915.67	1/4	3,699.35	1/4	3,460.99
1/2	0	4,325.36	1/2	4,106.04	1/2	3,911.39	1/2	3,694.63	1/2	3,455.79
3/4	0	4,319.75	3/4	4,102.22	3/4	3,907.12	3/4	3,689.90	3/4	3,450.50
1	1	4,313.42	1	4,098.36	1	3,902.81	1	3,685.12	1	3,445.39
1/4	1/4	4,307.09	1/4	4,094.51	1/4	3,898.50	1/4	3,680.34	1/4	3,440.18
1/2	1/2	4,300.77	1/2	4,090.66	1/2	3,894.18	1/2	3,675.57	1/2	3,434.96
3/4	3/4	4,294.44	3/4	4,086.80	3/4	3,889.87	3/4	3,670.79	3/4	3,429.75
2	2	4,289.26	2	4,082.90	2	3,885.52	2	3,666.99	2	3,424.54
1/4	1/4	4,284.08	1/4	4,079.01	1/4	3,881.16	1/4	3,662.18	1/4	3,419.33
1/2	1/2	4,278.91	1/2	4,075.11	1/2	3,876.81	1/2	3,657.37	1/2	3,414.12
3/4	3/4	4,273.73	3/4	4,071.21	3/4	3,872.46	3/4	3,652.57	3/4	3,408.90
3	3	4,268.55	3	4,067.28	3	3,868.06	3	3,647.72	3	3,403.69
1/4	1/4	4,263.37	1/4	4,063.35	1/4	3,863.67	1/4	3,642.87	1/4	3,398.48
1/2	1/2	4,258.20	1/2	4,059.41	1/2	3,859.28	1/2	3,638.02	1/2	3,393.27
3/4	3/4	4,253.02	3/4	4,055.48	3/4	3,854.89	3/4	3,633.17	3/4	3,388.06
4	4	4,247.84	4	4,051.50	4	3,850.46	4	3,627.28	4	3,382.88
1/4	1/4	4,242.67	1/4	4,047.53	1/4	3,846.02	1/4	3,622.39	1/4	3,377.70
1/2	1/2	4,237.49	1/2	4,043.55	1/2	3,841.58	1/2	3,617.50	1/2	3,372.52
3/4	3/4	4,232.32	3/4	4,039.57	3/4	3,837.15	3/4	3,612.60	3/4	3,367.35
5	5	4,227.14	5	4,035.56	5	3,832.68	5	3,607.68	5	3,362.17
1/4	1/4	4,221.97	1/4	4,031.55	1/4	3,828.21	1/4	3,602.75	1/4	3,356.99
1/2	1/2	4,216.79	1/2	4,027.53	1/2	3,823.74	1/2	3,597.83	1/2	3,351.81
3/4	3/4	4,211.62	3/4	4,023.53	3/4	3,819.27	3/4	3,592.90	3/4	3,346.64
6	6	4,206.44	6	4,019.50	6	3,814.76	6	3,587.93	6	3,341.46
1/4	1/4	4,201.27	1/4	4,015.46	1/4	3,810.24	1/4	3,582.96	1/4	3,336.28
1/2	1/2	4,196.09	1/2	4,011.42	1/2	3,805.73	1/2	3,577.99	1/2	3,331.10
3/4	3/4	4,190.92	3/4	4,007.38	3/4	3,801.21	3/4	3,572.92	3/4	3,325.93
7	7	4,185.72	7	4,003.31	7	3,796.66	7	3,568.01	7	3,319.60
1/4	1/4	4,180.53	1/4	3,999.23	1/4	3,792.12	1/4	3,563.01	1/4	3,313.27
1/2	1/2	4,176.53	1/2	3,995.15	1/2	3,787.57	1/2	3,558.01	1/2	3,306.94
3/4	3/4	4,172.90	3/4	3,991.07	3/4	3,783.02	3/4	3,553.00	3/4	3,300.61
8	8	4,168.27	8	3,986.95	8	3,778.44	8	3,547.95	8	3,293.15
1/4	1/4	4,163.64	1/4	3,982.84	1/4	3,773.86	1/4	3,542.90	1/4	3,285.69
1/2	1/2	4,159.01	1/2	3,978.72	1/2	3,769.28	1/2	3,537.85	1/2	3,278.23
3/4	3/4	4,154.38	3/4	3,974.61	3/4	3,764.70	3/4	3,532.80	3/4	3,270.77
9	9	4,149.75	9	3,970.45	9	3,760.07	9	3,527.72	9	3,263.31
1/4	1/4	4,145.12	1/4	3,966.29	1/4	3,755.45	1/4	3,522.64	1/4	3,255.85
1/2	1/2	4,140.49	1/2	3,962.13	1/2	3,750.83	1/2	3,517.56	1/2	3,248.39
3/4	3/4	4,135.86	3/4	3,957.98	3/4	3,746.20	3/4	3,512.47	3/4	3,240.92
10	10	4,131.23	10	3,953.78	10	3,741.55	10	3,507.36	10	3,233.48
1/4	1/4	4,126.60	1/4	3,949.59	1/4	3,736.90	1/4	3,502.24	1/4	3,226.03
1/2	1/2	4,121.97	1/2	3,945.40	1/2	3,732.25	1/2	3,497.13	1/2	3,218.58
3/4	3/4	4,117.34	3/4	3,941.21	3/4	3,727.60	3/4	3,492.01	3/4	3,211.13
11	11	4,112.71	11	3,937.02	11	3,722.95	11	3,486.85	11	3,203.68
1/4	1/4	4,108.08	1/4	3,932.72	1/4	3,718.20	1/4	3,481.69	1/4	3,196.24
1/2	1/2	4,103.45	1/2	3,928.47	1/2	3,713.51	1/2	3,476.53	1/2	3,188.79
3/4	3/4	4,098.82	3/4	3,924.22	3/4	3,708.81	3/4	3,471.37	3/4	3,181.34
12	12	4,094.19	12	3,919.95	12	3,704.08	12	3,466.18	12	3,173.89
1/4	1/4	4,089.56	1/4	3,915.67	1/4	3,699.35	1/4	3,460.99	1/4	3,166.44
1/2	1/2	4,084.93	1/2	3,911.39	1/2	3,694.63	1/2	3,455.79	1/2	3,158.99
3/4	3/4	4,080.30	3/4	3,907.12	3/4	3,689.90	3/4	3,450.50	3/4	3,151.55
13	13	4,075.67	13	3,902.81	13	3,685.12	13	3,445.39	13	3,144.10
1/4	1/4	4,071.04	1/4	3,898.50	1/4	3,680.34	1/4	3,440.18	1/4	3,136.65
1/2	1/2	4,066.41	1/2	3,894.18	1/2	3,675.57	1/2	3,434.96	1/2	3,129.20
3/4	3/4	4,061.78	3/4	3,889.87	3/4	3,670.79	3/4	3,429.75	3/4	3,121.75
14	14	4,057.15	14	3,885.52	14	3,666.99	14	3,424.54	14	3,114.31
1/4	1/4	4,052.52	1/4	3,881.16	1/4	3,662.18	1/4	3,419.33	1/4	3,106.86
1/2	1/2	4,047.89	1/2	3,876.81	1/2	3,657.37	1/2	3,414.12	1/2	3,099.41
3/4	3/4	4,043.26	3/4	3,872.46	3/4	3,652.57	3/4	3,408.90	3/4	3,091.96
15	15	4,038.63	15	3,868.06	15	3,647.72	15	3,403.69	15	3,084.51
1/4	1/4	4,034.00	1/4	3,863.67	1/4	3,642.87	1/4	3,398.48	1/4	3,077.06
1/2	1/2	4,029.37	1/2	3,859.28	1/2	3,638.02	1/2	3,393.27	1/2	3,069.62
3/4	3/4	4,024.74	3/4	3,854.89	3/4	3,633.17	3/4	3,388.06	3/4	3,062.17
16	16	4,020.11	16	4,015.46	16	3,341.46	16	2,995.13	16	2,636.05
1/4	1/4	4,015.48	1/4	3,810.24	1/4	3,336.28	1/4	2,990.24	1/4	2,628.57
1/2	1/2	4,010.85	1/2	3,805.73	1/2	3,331.10	1/2	2,985.39	1/2	2,621.09
3/4	3/4	4,006.22	3/4	3,801.21	3/4	3,325.93	3/4	2,977.79	3/4	2,613.61
17	17	4,001.59	17	3,796.66	17	3,319.60	17	2,965.31	17	2,606.12
1/4	1/4	3,997.01	1/4	3,792.12	1/4	3,313.27	1/4	2,957.82	1/4	2,598.64
1/2	1/2	3,992.42	1/2	3,787.57	1/2	3,306.94	1/2	2,950.34	1/2	2,591.16
3/4	3/4	3,987.83	3/4	3,783.02	3/4	3,300.61	3/4	2,942.86	3/4	2,583.67
18	18	3,983.24	18	3,778.44	18	3,293.15	18	2,935.37	18	2,576.19
1/4	1/4	3,978.65	1/4	3,773.86	1/4	3,285.69	1/4	2,927.89	1/4	2,568.71
1/2	1/2	3,974.06	1/2	3,769.28	1/2	3,278.23	1/2	2,920.41	1/2	2,561.22
3/4	3/4	3,969.47	3/4	3,764.70	3/4	3,270.77	3/4	2,912.93	3/4	2,553.74
19	19	3,964.88	19	3,760.07	19	3,263.31	19	2,905.44	19	2,546.25
1/4	1/4	3,960.29	1/4	3,755.45	1/4	3,255.85	1/4	2,897.96	1/4	2,538.76
1/2	1/2	3,955.70	1/2	3,750.83	1/2	3,248.39	1/2	2,890.48	1/2	2,531.28
3/4	3/4	3,951.11	3/4	3,746.20	3/4	3,240.92	3/4	2,882.99	3/4	2,523.79
20	20	3,946.52	20	3,741.55	20	3,233.48	20	2,875.50	20	2,516.32
1/4	1/4	3,941.93	1/4	3,736.90	1/4	3,226.03	1/4	2,868.03	1/4	2,508.85
1/2	1/2	3,937.34	1/2	3,732.25	1/2	3,218.58	1/2	2,860.54	1/2	2,501.38
3/4	3/4	3,932.75	3/4	3,727.60	3/4	3,211.13	3/4	2,853.06	3/4	2,493.92
21	21	3,928.16	21	3,722.95	21	3,203.68	21	2,845.58	21	2,486.44
1/4	1/4	3,923.57	1/4	3,718.20	1/4	3,196.24	1/4	2,838.10	1/4	2,478.97
1/2	1/2	3,918.98	1/2	3,713.51	1/2	3,188.79	1/2	2,830.61	1/2	2,471.50
3/4	3/4	3,914.39	3/4	3,708.81	3/4	3,181.34	3/4	2,823.13	3/4	2,464.02
22	22	3,909.80	22	3,704.08	22	3,173.89	22	2,815.65	22	2,456.54
1/4	1/4	3,905.21	1/4	3,699.35	1/4	3,166.44	1/4	2,808.16	1/4	2,449.05
1/2	1/2	3,900.62	1/2	3,694.63	1/2	3,158.99	1/2	2,800.68	1/2	2,441.57
3/4	3/4	3,896.03	3/4	3,689.90	3/4	3,151.55	3/4	2,793.20	3/4	2,434.08
23	23	3,891.44	23	3,685.12	23	3,144.10	23	2,785.71	23	2,426.60
1/4	1/4	3,886.85	1/4	3,680.34	1/4	3,136.65	1/4	2,778.23	1/4	2,419.11
1/2	1/2	3,882.26	1/2	3,675.57	1/2	3,129.20	1/2	2,770.75	1/2	2,411.63
3/4	3/4	3,877.67	3/4	3,670.79	3/4	3,121.75	3/4	2,763.27	3/4	2,404.14
24	24	3,873.08	24	3,666.99	24	3,114.31	24	2,755.78	24	2,396.66
1/4	1/4	3,868.49	1/4	3,662.18	1/4	3,106.86	1/4	2,748.30	1/4	2,389.17
1/2	1/2	3,863.90	1/2	3,657.37	1/2	3,101.41	1/2	2,740.82	1/2	2,381.69
3/4	3/4	3,859.31	3/4	3,652.57	3/4	3,108.90	3/4	2,733.33	3/4	2,374.20
25	25	3,854.72	25	3,647.72	25	3,103.45	25	2,725.85	25	2,366.72
1/4	1/4	3,850.13	1/4	3,642.87	1/4	3,095.98	1/4	2,718.37	1/4	2,359.23
1/2	1/2	3,845.54	1/2	3,638.02	1/2	3,088.50	1/2	2,710.		



Barge "EMS 3046"
Enterprise Marine Services LLC
OUTAGE TABLE

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 14'-10 3/4"	
IN	OUT	IN	OUT
0	1,739.92	0	1,381.60
1/4	1,732.47	1/4	1,374.11
1/2	1,725.02	1/2	1,366.62
3/4	1,717.57	3/4	1,359.13
1	1,710.11	1	1,351.64
1 1/4	1,702.66	1 1/4	1,344.14
1 1/2	1,695.21	1 1/2	1,336.65
1 3/4	1,687.76	1 3/4	1,329.15
2	1,680.30	2	1,321.66
2 1/4	1,672.85	2 1/4	1,314.17
2 1/2	1,665.40	2 1/2	1,306.67
2 3/4	1,657.94	2 3/4	1,299.18
3	1,650.49	3	1,291.69
3 1/4	1,643.04	3 1/4	1,284.19
3 1/2	1,635.59	3 1/2	1,276.70
3 3/4	1,628.13	3 3/4	1,269.20
4	1,620.68	4	1,261.71
4 1/4	1,613.23	4 1/4	1,254.21
4 1/2	1,605.77	4 1/2	1,246.72
4 3/4	1,598.32	4 3/4	1,239.23
5	1,590.87	5	1,231.73
5 1/4	1,583.42	5 1/4	1,224.24
5 1/2	1,575.96	5 1/2	1,216.74
5 3/4	1,568.51	5 3/4	1,209.25
6	1,561.06	6	1,201.76
6 1/4	1,553.60	6 1/4	1,194.26
6 1/2	1,546.15	6 1/2	1,186.77
6 3/4	1,538.70	6 3/4	1,179.27
7	1,531.25	7	1,171.78
7 1/4	1,523.79	7 1/4	1,164.28
7 1/2	1,516.34	7 1/2	1,156.79
7 3/4	1,508.89	7 3/4	1,149.30
8	1,501.42	8	1,141.80
8 1/4	1,493.94	8 1/4	1,134.31
8 1/2	1,486.47	8 1/2	1,126.81
8 3/4	1,479.00	8 3/4	1,119.32
9	1,471.51	9	1,111.83
9 1/4	1,464.01	9 1/4	1,104.33
9 1/2	1,456.52	9 1/2	1,096.84
9 3/4	1,449.03	9 3/4	1,089.34
10	1,441.54	10	1,081.85
10 1/4	1,434.04	10 1/4	1,074.35
10 1/2	1,426.55	10 1/2	1,066.86
10 3/4	1,419.06	10 3/4	1,059.37
11	1,411.57	11	1,051.87
11 1/4	1,404.08	11 1/4	1,044.38
11 1/2	1,396.59	11 1/2	1,036.88
11 3/4	1,389.10	11 3/4	1,029.39
12		12	
12 1/4		12 1/4	
12 1/2		12 1/2	
12 3/4		12 3/4	
13		13	
13 1/4		13 1/4	
13 1/2		13 1/2	
13 3/4		13 3/4	
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14 1/2		14 1/2	
14 3/4		14 3/4	
15		15	
15 1/4		15 1/4	
15 1/2		15 1/2	
15 3/4		15 3/4	
16		16	
16 1/4		16 1/4	
16 1/2		16 1/2	
16 3/4		16 3/4	
17		17	
17 1/4		17 1/4	
17 1/2		17 1/2	
17 3/4		17 3/4	
18		18	
18 1/4		18 1/4	
18 1/2		18 1/2	
18 3/4		18 3/4	
19		19	
19 1/4		19 1/4	
19 1/2		19 1/2	
19 3/4		19 3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2010 CL - SW
CALCULATED: 08/12/2010 CL
PRINTED: 08/12/2010 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2010

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