



BARGE "EMS-314"
ENTERPRISE MARINE SERVICES, LLC
INNAGE TABLE

1 PORT OR STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 172

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BARGE "EMS-314"
 ENTERPRISE MARINE SERVICES, LLC
 INNAGE TABLE

2 PORT OR STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 172

	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.
0	18.23	384.83	773.34	1,161.85	1,550.37	1,938.88	2,327.39	2,715.90	3,104.41	3,492.93	3,881.44	4,269.95	4,658.46	5,046.97	5,435.48
1/4	22.50	392.92	781.44	1,169.95	1,558.46	1,946.97	2,335.48	2,724.00	3,112.51	3,501.02	3,889.53	4,278.04	4,666.55	5,055.06	5,443.57
1/2	26.76	401.02	789.53	1,178.04	1,566.55	1,955.07	2,343.58	2,732.09	3,120.60	3,509.11	3,897.63	4,286.14	4,674.65	5,063.16	5,451.67
3/4	31.02	409.11	797.62	1,186.14	1,574.65	1,963.16	2,351.67	2,740.18	3,128.70	3,517.21	3,905.72	4,294.23	4,682.74	5,071.25	5,459.76
1	36.99	417.21	805.72	1,194.23	1,582.74	1,971.25	2,359.77	2,748.28	3,136.79	3,525.30	3,913.81	4,302.32	4,690.83	5,079.34	5,467.85
1/4	42.95	425.30	813.81	1,202.32	1,590.84	1,979.35	2,367.86	2,756.37	3,144.88	3,533.40	3,921.91	4,310.42	4,698.93	5,087.44	5,475.95
1/2	48.92	433.39	821.91	1,210.42	1,598.93	1,987.44	2,375.95	2,764.47	3,152.98	3,541.49	3,930.00	4,318.51	4,707.02	5,095.53	5,483.96
3/4	54.88	441.49	830.00	1,218.51	1,607.02	1,995.54	2,384.05	2,772.56	3,161.07	3,549.58	3,938.10	4,326.61	4,715.12	5,103.63	5,491.97
2	62.34	449.58	838.09	1,226.61	1,615.12	2,003.63	2,392.14	2,780.65	3,169.17	3,557.68	3,946.19	4,334.70	4,723.21	5,111.72	5,500.23
1/4	69.80	457.68	846.19	1,234.70	1,623.21	2,011.72	2,400.24	2,788.75	3,177.26	3,565.77	3,954.28	4,342.79	4,731.30	5,119.81	5,508.34
1/2	77.26	465.77	854.28	1,242.79	1,631.31	2,019.81	2,408.33	2,796.84	3,185.35	3,573.87	3,962.38	4,350.89	4,739.40	5,127.91	5,516.45
3/4	85.35	473.86	862.38	1,250.89	1,639.40	2,027.91	2,416.42	2,804.94	3,193.46	3,581.96	3,970.47	4,358.99	4,747.50	5,136.02	5,524.56
3	93.45	481.96	870.47	1,258.98	1,647.49	2,036.01	2,424.52	2,813.03	3,201.54	3,590.05	3,978.56	4,367.07	4,755.58	5,144.13	5,532.67
1/4	101.54	490.05	878.56	1,267.08	1,655.59	2,044.10	2,432.61	2,821.12	3,209.64	3,598.15	3,986.66	4,375.18	4,763.69	5,152.24	5,540.78
1/2	109.63	498.15	886.66	1,275.17	1,663.68	2,052.19	2,440.71	2,829.22	3,217.73	3,606.24	3,994.75	4,383.29	4,771.80	5,160.35	5,548.89
3/4	117.73	506.24	894.75	1,283.26	1,671.78	2,060.29	2,448.80	2,837.31	3,225.82	3,614.34	4,002.84	4,391.40	4,780.41	5,168.46	5,556.99
4	125.82	514.33	902.85	1,291.36	1,679.87	2,068.38	2,456.89	2,845.41	3,233.92	3,622.43	4,010.94	4,399.45	4,788.46	5,176.57	5,565.10
1/4	133.92	522.43	910.94	1,299.45	1,687.96	2,076.48	2,464.99	2,853.50	3,242.01	3,630.52	4,019.03	4,407.54	4,796.55	5,184.68	5,573.21
1/2	142.01	530.52	919.03	1,307.55	1,696.06	2,084.57	2,473.08	2,861.59	3,250.11	3,638.62	4,027.12	4,415.65	4,804.66	5,192.79	5,581.32
3/4	150.10	538.62	927.13	1,315.64	1,704.15	2,092.66	2,481.18	2,869.69	3,258.20	3,646.71	4,035.22	4,423.76	4,812.77	5,200.89	5,589.43
5	158.20	546.71	935.22	1,323.73	1,712.25	2,100.76	2,489.27	2,877.78	3,266.29	3,654.81	4,043.31	4,431.86	4,820.87	5,208.99	5,597.54
1/4	166.29	554.80	943.32	1,331.83	1,720.34	2,108.85	2,497.36	2,885.88	3,274.39	3,662.90	4,051.40	4,439.91	4,828.92	5,217.10	5,605.65
1/2	174.39	562.90	951.41	1,339.92	1,728.43	2,116.95	2,505.46	2,893.97	3,282.48	3,670.99	4,059.49	4,447.92	4,836.93	5,225.21	5,613.76
3/4	182.48	570.99	959.50	1,348.02	1,736.53	2,125.04	2,513.55	2,902.06	3,290.58	3,679.09	4,067.58	4,456.03	4,845.04	5,233.32	5,621.87
6	190.57	579.09	967.60	1,356.11	1,744.62	2,133.13	2,521.65	2,910.16	3,298.67	3,687.18	4,075.63	4,464.13	4,853.14	5,241.43	5,629.98
1/4	198.67	587.18	975.69	1,364.20	1,752.72	2,141.23	2,529.74	2,918.25	3,306.76	3,695.28	4,083.72	4,472.23	4,861.24	5,249.54	5,638.09
1/2	206.76	595.27	983.79	1,372.30	1,760.81	2,149.32	2,537.83	2,926.35	3,314.86	3,703.37	4,091.82	4,480.33	4,869.35	5,257.65	5,646.20
3/4	214.86	603.37	991.88	1,380.39	1,768.90	2,157.42	2,545.93	2,934.44	3,322.95	3,711.46	4,099.93	4,488.43	4,877.46	5,265.76	5,654.31
7	222.95	611.46	999.97	1,388.49	1,777.00	2,165.51	2,554.02	2,942.53	3,331.05	3,719.56	4,107.90	4,496.53	4,885.57	5,273.87	5,662.42
1/4	231.04	619.56	1,008.07	1,396.58	1,785.09	2,173.60	2,562.12	2,950.63	3,339.14	3,727.65	4,115.26	4,494.63	4,893.68	5,281.98	5,670.53
1/2	239.14	627.65	1,016.16	1,404.67	1,793.19	2,181.70	2,570.21	2,958.72	3,347.23	3,735.75	4,123.35	4,502.73	4,901.79	5,290.09	5,678.64
3/4	247.23	635.74	1,024.26	1,412.77	1,801.28	2,189.79	2,578.30	2,966.82	3,355.33	3,743.84	4,131.20	4,510.83	4,910.89	5,298.20	5,686.75
8	255.33	643.84	1,032.35	1,420.86	1,809.37	2,197.89	2,586.40	2,974.91	3,363.42	3,751.93	4,139.16	4,518.93	4,918.99	5,306.31	5,694.86
1/4	263.42	651.93	1,040.44	1,428.96	1,817.47	2,205.98	2,594.49	2,983.00	3,371.52	3,760.03	4,147.13	4,527.03	4,927.10	5,314.42	5,702.97
1/2	271.51	660.03	1,048.54	1,437.05	1,825.56	2,214.07	2,602.59	2,991.10	3,379.61	3,768.12	4,155.10	4,535.13	4,935.20	5,322.53	5,711.08
3/4	279.61	668.12	1,056.63	1,445.14	1,833.66	2,222.17	2,610.68	2,999.19	3,387.70	3,776.22	4,163.18	4,543.23	4,943.30	5,330.64	5,719.19
9	287.70	676.21	1,064.73	1,453.24	1,841.75	2,230.26	2,618.77	3,007.29	3,395.80	3,784.31	4,171.26	4,551.32	4,951.40	5,338.75	5,727.30
1/4	295.80	684.31	1,072.82	1,461.33	1,849.84	2,238.36	2,626.87	3,015.38	3,403.89	3,792.40	4,179.34	4,559.41	4,959.51	5,346.86	5,735.41
1/2	303.89	692.40	1,080.91	1,469.43	1,857.94	2,246.45	2,634.96	3,023.47	3,411.99	3,800.50	4,187.42	4,567.51	4,967.61	5,354.97	5,743.52
3/4	311.98	700.50	1,089.01	1,477.52	1,866.03	2,254.54	2,643.06	3,031.57	3,420.08	3,808.59	4,195.50	4,575.61	4,975.72	5,363.08	5,751.63
10	320.08	708.59	1,097.10	1,485.61	1,874.13	2,262.64	2,651.15	3,039.66	3,428.17	3,816.69	4,203.59	4,583.71	4,983.83	5,371.19	5,759.74
1/4	328.17	716.68	1,105.20	1,493.71	1,882.22	2,270.73	2,659.24	3,047.75	3,436.27	3,824.78	4,211.68	4,591.82	4,991.94	5,379.30	5,767.85
1/2	336.27	724.78	1,113.29	1,501.80	1,890.31	2,278.83	2,667.34	3,055.85	3,444.36	3,832.87	4,219.77	4,600.93	5,000.05	5,387.41	5,775.96
3/4	344.36	732.87	1,121.38	1,509.90	1,898.41	2,286.92	2,675.43	3,063.94	3,452.46	3,840.97	4,227.86	4,609.04	5,008.16	5,395.52	5,784.07
11	352.45	740.97	1,129.48	1,517.99	1,906.50	2,295.01	2,683.53	3,072.04	3,460.55	3,849.06	4,235.95	4,617.15	5,016.27	5,403.63	5,792.18
1/4	360.55	749.06	1,137.57	1,526.08	1,914.60	2,303.11	2,691.62	3,080.13	3,468.64	3,857.16	4,244.04	4,625.26	5,024.38	5,411.74	5,800.29
1/2	368.64	757.15	1,145.67	1,534.18	1,922.69	2,311.20	2,699.71	3,088.23	3,476.74	3,865.25	4,252.13	4,633.35	5,032.49	5,419.85	5,808.40
3/4	376.74	765.25	1,153.76	1,542.27	1,930.78	2,319.30	2,707.81	3,096.32	3,484.83	3,873.34	4,260.22	4,641.46	5,040.60	5,427.96	5,816.51

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 11/30/06

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT : 14'-10 3/4" (TO RIM OF 2" DIAMETER BALL VALVE
 LOCATED NEAR CENTER OF TANK)

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

INSPECTORATE AMERICA CORPORATION



BARGE "EMS-314"
ENTERPRISE MARINE SERVICES, LLC
INNAGE TABLE

3 PORT OR STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 172

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
N		N		N		N		N		N		N		N		N		N		N		N		N		N		N	
0	* 16.95	0	358.32	0	720.29	0	1,082.26	0	1,444.22	0	1,806.19	0	2,168.16	0	2,530.13	0	2,892.10	0	3,254.06	0	3,665.29	0	3,838.37	0	4,099.91	0	4,349.63	0	4,569.77
1/4	20.90	1/4	365.86	1/4	727.83	1/4	1,089.80	1/4	1,451.76	1/4	1,813.73	1/4	2,175.70	1/4	2,537.67	1/4	2,899.64	1/4	3,261.60	1/4	3,571.06	1/4	3,843.92	1/4	4,105.21	1/4	4,354.68	1/4	4,571.29
1/2	24.86	1/2	373.40	1/2	735.37	1/2	1,097.34	1/2	1,459.31	1/2	1,821.27	1/2	2,183.24	1/2	2,545.21	1/2	2,907.18	1/2	3,269.15	1/2	3,576.83	1/2	3,849.47	1/2	4,110.52	1/2	4,359.74	1/2	4,572.80
3/4	28.82	3/4	380.94	3/4	742.91	3/4	1,104.88	3/4	1,466.85	3/4	1,828.81	3/4	2,190.78	3/4	2,552.75	3/4	2,914.72	3/4	3,276.69	3/4	3,582.69	3/4	3,855.02	3/4	4,115.82	3/4	4,364.80	3/4	4,573.26
1	34.36	1	388.48	1	750.45	1	1,112.42	1	1,474.39	1	1,836.36	1	2,198.32	1	2,560.29	1	2,922.26	1	3,284.23	1	3,588.36	1	3,860.57	1	4,121.13	1	4,369.86	1	4,573.71
1/4	39.90	1/4	396.02	1/4	757.99	1/4	1,119.96	1/4	1,481.93	1/4	1,843.90	1/4	2,205.86	1/4	2,567.83	1/4	2,929.80	1/4	3,291.77	1/4	3,594.13	1/4	3,866.12	1/4	4,126.43	1/4	4,374.92	1/4	4,574.16
1/2	45.44	1/2	403.57	1/2	765.53	1/2	1,127.50	1/2	1,489.47	1/2	1,851.44	1/2	2,213.41	1/2	2,575.37	1/2	2,937.34	1/2	3,299.31	1/2	3,599.90	1/2	3,871.67	1/2	4,131.74	1/2	4,379.98	1/2	
3/4	50.98	3/4	411.11	3/4	773.07	3/4	1,135.04	3/4	1,497.01	3/4	1,858.98	3/4	2,220.95	3/4	2,582.91	3/4	2,944.88	3/4	3,306.85	3/4	3,605.66	3/4	3,877.22	3/4	4,137.04	3/4	4,385.04	3/4	
2	57.91	2	418.65	2	780.62	2	1,142.58	2	1,504.55	2	1,866.52	2	2,228.49	2	2,590.46	2	2,952.42	2	3,314.39	2	3,611.43	2	3,882.77	2	4,142.35	2	4,390.10	2	
1/4	64.83	1/4	426.19	1/4	788.16	1/4	1,150.12	1/4	1,512.09	1/4	1,874.06	1/4	2,236.03	1/4	2,598.00	1/4	2,959.96	1/4	3,321.93	1/4	3,617.20	1/4	3,888.32	1/4	4,147.65	1/4	4,395.16	1/4	
1/2	71.76	1/2	433.73	1/2	795.70	1/2	1,157.67	1/2	1,519.63	1/2	1,881.60	1/2	2,243.57	1/2	2,605.54	1/2	2,967.51	1/2	3,329.47	1/2	3,622.96	1/2	3,893.88	1/2	4,152.96	1/2	4,400.22	1/2	
3/4	79.30	3/4	441.27	3/4	803.24	3/4	1,165.21	3/4	1,527.17	3/4	1,889.14	3/4	2,251.11	3/4	2,613.08	3/4	2,975.05	3/4	3,337.01	3/4	3,628.70	3/4	3,899.36	3/4	4,158.20	3/4	4,405.21	3/4	
3	86.84	3	448.81	3	810.78	3	1,172.75	3	1,534.72	3	1,896.68	3	2,258.65	3	2,620.62	3	2,982.59	3	3,344.33	3	3,634.44	3	3,904.85	3	4,163.44	3	4,410.21	3	
1/4	94.38	1/4	456.35	1/4	818.32	1/4	1,180.29	1/4	1,542.26	1/4	1,904.22	1/4	2,266.19	1/4	2,628.16	1/4	2,990.13	1/4	3,351.64	1/4	3,640.17	1/4	3,910.34	1/4	4,168.69	1/4	4,415.21	1/4	
1/2	101.93	1/2	463.89	1/2	825.86	1/2	1,187.83	1/2	1,549.80	1/2	1,911.77	1/2	2,273.73	1/2	2,635.70	1/2	2,997.67	1/2	3,358.95	1/2	3,645.91	1/2	3,915.63	1/2	4,173.93	1/2	4,420.20	1/2	
3/4	109.47	3/4	471.43	3/4	833.40	3/4	1,195.37	3/4	1,557.34	3/4	1,919.31	3/4	2,281.27	3/4	2,643.24	3/4	3,005.21	3/4	3,366.26	3/4	3,651.65	3/4	3,921.32	3/4	4,179.18	3/4	4,425.20	3/4	
4	117.01	4	478.98	4	840.94	4	1,202.91	4	1,564.88	4	1,926.85	4	2,288.82	4	2,650.78	4	3,012.75	4	3,373.16	4	3,657.39	4	3,926.81	4	4,184.42	4	4,430.20	4	
1/4	124.55	1/4	486.52	1/4	848.48	1/4	1,210.45	1/4	1,572.42	1/4	1,934.39	1/4	2,296.36	1/4	2,658.32	1/4	3,020.29	1/4	3,380.07	1/4	3,663.12	1/4	3,932.30	1/4	4,189.66	1/4	4,435.19	1/4	
1/2	132.09	1/2	494.06	1/2	856.03	1/2	1,217.99	1/2	1,579.96	1/2	1,941.93	1/2	2,303.90	1/2	2,665.87	1/2	3,027.83	1/2	3,386.97	1/2	3,668.86	1/2	3,937.79	1/2	4,194.91	1/2	4,440.19	1/2	
3/4	139.63	3/4	501.60	3/4	863.57	3/4	1,225.53	3/4	1,587.50	3/4	1,949.47	3/4	2,311.44	3/4	2,673.41	3/4	3,035.37	3/4	3,393.87	3/4	3,674.60	3/4	3,943.28	3/4	4,200.15	3/4	4,445.19	3/4	
5	147.17	5	509.14	5	871.11	5	1,233.08	5	1,595.04	5	1,957.01	5	2,318.98	5	2,680.95	5	3,042.92	5	3,400.36	5	3,680.33	5	3,948.77	5	4,205.40	5	4,450.19	5	
1/4	154.71	1/4	516.68	1/4	878.65	1/4	1,240.62	1/4	1,602.58	1/4	1,964.55	1/4	2,326.52	1/4	2,688.49	1/4	3,050.46	1/4	3,406.85	1/4	3,686.07	1/4	3,954.25	1/4	4,210.64	1/4	4,455.18	1/4	
1/2	162.25	1/2	524.22	1/2	886.19	1/2	1,248.16	1/2	1,610.13	1/2	1,972.09	1/2	2,334.06	1/2	2,696.03	1/2	3,058.00	1/2	3,413.34	1/2	3,691.81	1/2	3,959.74	1/2	4,215.88	1/2	4,460.18	1/2	
3/4	169.79	3/4	531.76	3/4	893.73	3/4	1,255.70	3/4	1,617.67	3/4	1,979.63	3/4	2,341.60	3/4	2,703.57	3/4	3,065.54	3/4	3,419.83	3/4	3,697.48	3/4	3,965.17	3/4	4,221.07	3/4	4,465.11	3/4	
6	177.34	6	539.30	6	901.27	6	1,263.24	6	1,625.21	6	1,987.18	6	2,349.14	6	2,711.11	6	3,073.08	6	3,425.90	6	3,703.16	6	3,970.60	6	4,226.25	6	4,470.05	6	
1/4	184.88	1/4	546.84	1/4	908.81	1/4	1,270.78	1/4	1,632.75	1/4	1,994.72	1/4	2,356.68	1/4	2,718.65	1/4	3,080.62	1/4	3,431.98	1/4	3,708.83	1/4	3,976.03	1/4	4,231.43	1/4	4,474.98	1/4	
1/2	192.42	1/2	554.39	1/2	916.35	1/2	1,278.32	1/2	1,640.29	1/2	2,002.26	1/2	2,364.23	1/2	2,726.19	1/2	3,088.16	1/2	3,438.06	1/2	3,714.51	1/2	3,981.46	1/2	4,236.61	1/2	4,479.92	1/2	
3/4	199.96	3/4	561.93	3/4	923.89	3/4	1,285.86	3/4	1,647.83	3/4	2,009.80	3/4	2,371.77	3/4	2,733.73	3/4	3,095.70	3/4	3,444.13	3/4	3,720.18	3/4	3,986.89	3/4	4,241.79	3/4	4,484.85	3/4	
7	207.50	7	569.47	7	931.44	7	1,293.40	7	1,655.37	7	2,017.34	7	2,379.31	7	2,741.28	7	3,103.24	7	3,449.95	7	3,725.86	7	3,992.32	7	4,246.98	7	4,489.79	7	
1/4	215.04	1/4	577.01	1/4	938.98	1/4	1,300.94	1/4	1,662.91	1/4	2,024.88	1/4	2,386.85	1/4	2,748.82	1/4	3,110.78	1/4	3,455.72	1/4	3,731.53	1/4	3,997.75	1/4	4,252.16	1/4	4,494.72	1/4	
1/2	222.58	1/2	584.55	1/2	946.52	1/2	1,308.49	1/2	1,670.45	1/2	2,032.42	1/2	2,394.39	1/2	2,756.36	1/2	3,118.33	1/2	3,461.49	1/2	3,737.21	1/2	4,003.18	1/2	4,257.34	1/2	4,499.66	1/2	
3/4	230.12	3/4	592.09	3/4	954.06	3/4	1,316.03	3/4	1,677.99	3/4	2,039.96	3/4	2,401.93	3/4	2,763.90	3/4	3,125.87	3/4	3,467.25	3/4	3,742.88	3/4	4,008.60	3/4	4,262.52	3/4	4,504.59	3/4	
8	237.66	8	599.63	8	961.60	8	1,323.57	8	1,685.54	8	2,047.50	8	2,409.47	8	2,771.44	8	3,133.41	8	3,473.02	8	3,748.56	8	4,014.03	8	4,267.70	8	4,509.53	8	
1/4	245.20	1/4	607.17	1/4	969.14	1/4	1,331.11	1/4	1,693.08	1/4	2,055.04	1/4	2,417.01	1/4	2,77,														



BARGE "EMS-314"
ENTERPRISE MARINE SERVICES, LLC
OUTAGE TABLE

TANK NO. 1
PORT

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 172

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.	N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.
0		0	4,347.73	0	4,054.74	0	3,745.79	0	3,426.31	0	3,096.83	0	2,764.87	0	2,432.90	0	2,100.93	0	1,768.96	0	1,436.99	0	1,107.15	0	793.25	0	498.55	0	223.04
1/4		1/4	4,343.00	1/4	4,048.41	1/4	3,739.23	1/4	3,419.54	1/4	3,089.92	1/4	2,757.95	1/4	2,425.98	1/4	2,094.01	1/4	1,762.05	1/4	1,430.08	1/4	1,100.33	1/4	786.84	1/4	492.54	1/4	217.42
1/2		1/2	4,338.27	1/2	4,042.07	1/2	3,732.68	1/2	3,412.76	1/2	3,083.00	1/2	2,751.03	1/2	2,419.07	1/2	2,087.10	1/2	1,755.13	1/2	1,423.16	1/2	1,093.52	1/2	780.42	1/2	486.52	1/2	211.81
3/4		3/4	4,333.54	3/4	4,035.74	3/4	3,726.12	3/4	3,405.99	3/4	3,076.09	3/4	2,744.12	3/4	2,412.15	3/4	2,080.18	3/4	1,748.21	3/4	1,416.25	3/4	1,086.70	3/4	774.01	3/4	480.51	3/4	206.19
1		1	4,328.81	1	4,029.41	1	3,719.57	1	3,399.21	1	3,069.17	1	2,737.20	1	2,405.23	1	2,073.27	1	1,741.30	1	1,409.33	1	1,080.09	1	767.79	1	474.70	1	200.77
1/4		1/4	4,322.63	1/4	4,023.07	1/4	3,713.01	1/4	3,392.43	1/4	3,062.25	1/4	2,730.29	1/4	2,398.32	1/4	2,066.35	1/4	1,734.38	1/4	1,402.41	1/4	1,073.47	1/4	761.58	1/4	468.88	1/4	195.36
1/2		1/2	4,316.44	1/2	4,016.74	1/2	3,706.46	1/2	3,385.66	1/2	3,055.34	1/2	2,723.37	1/2	2,391.40	1/2	2,059.43	1/2	1,727.47	1/2	1,395.50	1/2	1,066.86	1/2	755.36	1/2	463.07	1/2	189.94
3/4		3/4	4,310.26	3/4	4,010.41	3/4	3,699.90	3/4	3,378.88	3/4	3,048.42	3/4	2,716.45	3/4	2,384.49	3/4	2,052.52	3/4	1,720.55	3/4	1,388.58	3/4	1,060.25	3/4	749.15	3/4	457.25	3/4	184.53
2		2	4,304.07	2	4,004.07	2	3,693.35	2	3,372.11	2	3,041.51	2	2,709.54	2	2,377.57	2	2,045.60	2	1,713.63	2	1,381.67	2	1,053.63	2	742.94	2	451.44	2	179.11
1/4		1/4	4,297.91	1/4	3,997.69	1/4	3,686.74	1/4	3,365.27	1/4	3,034.59	1/4	2,702.62	1/4	2,370.65	1/4	2,038.69	1/4	1,706.72	1/4	1,374.75	1/4	1,047.02	1/4	736.72	1/4	445.63	1/4	173.69
1/2		1/2	4,291.74	1/2	3,991.30	1/2	3,680.13	1/2	3,358.44	1/2	3,027.67	1/2	2,695.71	1/2	2,363.74	1/2	2,031.77	1/2	1,699.80	1/2	1,367.83	1/2	1,040.40	1/2	730.51	1/2	439.81	1/2	168.28
3/4		3/4	4,285.57	3/4	3,984.91	3/4	3,673.52	3/4	3,351.61	3/4	3,020.76	3/4	2,688.79	3/4	2,356.82	3/4	2,024.85	3/4	1,692.89	3/4	1,360.92	3/4	1,033.79	3/4	724.29	3/4	434.00	3/4	162.86
3		3	4,279.41	3	3,978.52	3	3,666.91	3	3,344.78	3	3,013.84	3	2,681.87	3	2,349.91	3	2,017.94	3	1,685.97	3	1,354.00	3	1,027.18	3	718.08	3	428.18	3	167.45
1/4		1/4	4,273.24	1/4	3,972.13	1/4	3,660.30	1/4	3,337.95	1/4	3,006.93	1/4	2,674.96	1/4	2,342.99	1/4	2,011.02	1/4	1,679.05	1/4	1,347.09	1/4	1,020.66	1/4	711.87	1/4	422.37	1/4	152.03
1/2		1/2	4,267.07	1/2	3,965.75	1/2	3,653.69	1/2	3,331.11	1/2	3,000.01	1/2	2,668.04	1/2	2,336.07	1/2	2,004.11	1/2	1,672.14	1/2	1,340.17	1/2	1,013.95	1/2	705.65	1/2	416.56	1/2	146.61
3/4		3/4	4,260.91	3/4	3,959.36	3/4	3,647.08	3/4	3,324.28	3/4	2,993.09	3/4	2,661.13	3/4	2,329.16	3/4	1,997.19	3/4	1,665.22	3/4	1,333.25	3/4	1,007.33	3/4	699.44	3/4	410.74	3/4	141.20
4		4	4,254.74	4	3,952.97	4	3,640.47	4	3,317.45	4	2,986.18	4	2,654.21	4	2,322.24	4	1,990.27	4	1,658.31	4	1,326.34	4	1,000.72	4	693.22	4	404.93	4	135.78
1/4		1/4	4,248.57	1/4	3,946.58	1/4	3,633.87	1/4	3,310.62	1/4	2,979.26	1/4	2,647.29	1/4	2,315.33	1/4	1,983.36	1/4	1,651.39	1/4	1,319.42	1/4	994.11	1/4	687.01	1/4	399.11	1/4	130.37
1/2		1/2	4,242.40	1/2	3,940.19	1/2	3,627.26	1/2	3,303.79	1/2	2,972.35	1/2	2,640.38	1/2	2,308.41	1/2	1,976.44	1/2	1,644.47	1/2	1,312.51	1/2	987.49	1/2	680.80	1/2	393.30	1/2	124.95
3/4		3/4	4,236.24	3/4	3,933.81	3/4	3,620.65	3/4	3,296.95	3/4	2,965.43	3/4	2,633.46	3/4	2,301.49	3/4	1,969.53	3/4	1,637.56	3/4	1,305.59	3/4	980.88	3/4	674.58	3/4	387.49	3/4	119.53
5		5	4,230.07	5	3,927.42	5	3,614.04	5	3,290.12	5	2,958.51	5	2,626.55	5	2,294.58	5	1,962.61	5	1,630.64	5	1,298.67	5	974.26	5	668.37	5	381.67	5	114.12
1/4		1/4	4,223.85	1/4	3,920.98	1/4	3,607.37	1/4	3,283.24	1/4	2,951.60	1/4	2,619.63	1/4	2,287.66	1/4	1,955.69	1/4	1,623.73	1/4	1,291.76	1/4	967.65	1/4	662.15	1/4	375.86	1/4	108.70
1/2		1/2	4,217.63	1/2	3,914.53	1/2	3,600.71	1/2	3,276.35	1/2	2,944.68	1/2	2,612.71	1/2	2,280.75	1/2	1,948.78	1/2	1,616.81	1/2	1,284.84	1/2	961.04	1/2	655.94	1/2	370.04	1/2	103.29
3/4		3/4	4,211.40	3/4	3,908.09	3/4	3,594.04	3/4	3,269.46	3/4	2,937.77	3/4	2,605.80	3/4	2,273.83	3/4	1,941.86	3/4	1,609.89	3/4	1,277.93	3/4	954.42	3/4	649.73	3/4	364.23	3/4	97.87
6		6	4,205.18	6	3,901.65	6	3,587.38	6	3,262.58	6	2,930.85	6	2,598.88	6	2,266.91	6	1,934.95	6	1,602.98	6	1,271.01	6	947.81	6	643.51	6	358.42	6	92.45
1/4		1/4	4,198.96	1/4	3,895.20	1/4	3,580.71	1/4	3,255.69	1/4	2,923.93	1/4	2,591.97	1/4	2,260.00	1/4	1,928.03	1/4	1,596.06	1/4	1,264.09	1/4	941.19	1/4	637.30	1/4	352.60	1/4	87.04
1/2		1/2	4,192.74	1/2	3,888.76	1/2	3,574.05	1/2	3,248.81	1/2	2,917.02	1/2	2,585.05	1/2	2,253.08	1/2	1,921.11	1/2	1,589.15	1/2	1,257.18	1/2	934.58	1/2	631.08	1/2	346.79	1/2	81.62
3/4		3/4	4,186.52	3/4	3,882.32	3/4	3,567.38	3/4	3,241.92	3/4	2,910.10	3/4	2,578.13	3/4	2,246.17	3/4	1,914.20	3/4	1,582.23	3/4	1,250.26	3/4	927.97	3/4	624.87	3/4	340.97	3/4	76.21
7		7	4,180.29	7	3,875.87	7	3,560.72	7	3,235.03	7	2,903.19	7	2,571.22	7	2,239.25	7	1,907.28	7	1,575.31	7	1,243.45	7	921.55	7	618.85	7	335.36	7	70.99
1/4		1/4	4,174.07	1/4	3,869.43	1/4	3,554.05	1/4	3,228.16	1/4	2,896.27	1/4	2,564.30	1/4	2,232.33	1/4	1,900.37	1/4	1,568.40	1/4	1,236.63	1/4	915.14	1/4	612.84	1/4	329.74	1/4	65.77
1/2		1/2	4,167.85	1/2	3,862.99	1/2	3,547.39	1/2	3,221.26	1/2	2,889.35	1/2	2,557.39	1/2	2,225.42	1/2	1,893.45	1/2	1,561.48	1/2	1,229.82	1/2	908.72	1/2	606.82	1/2	324.13	1/2	60.56
3/4		3/4	4,161.63	3/4	3,856.54	3/4	3,540.72	3/4	3,214.38	3/4	2,882.44	3/4	2,550.47	3/4	2,218.50	3/4	1,886.53	3/4	1,554.57	3/4	1,223.00	3/4	902.31	3/4	600.81	3/4	318.51	3/4	55.34
8		8	4,155.41	8	3,850.10	8	3,534.06	8	3,207.49	8	2,875.52	8	2,543.55	8	2,211.59	8	1,879.62	8	1,547.65	8	1,216.19	8	895.89	8	594.79	8	312.89	8	50.13
1/4		1/4	4,149.13	1/4																									



BARGE "EMS-314"
ENTERPRISE MARINE SERVICES, LLC
OUTAGE TABLE

TANK NO. 1
STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 172

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
N		N		N		N		N		N		N		N		N		N		N		N		N		N		N	
0		0	4,351.01	0	4,061.07	0	3,752.34	0	3,433.09	0	3,103.75	0	2,771.78	0	2,439.81	0	2,107.85	0	1,775.88	0	1,443.91	0	1,113.96	0	799.67	0	504.57	0	228.65
1/4		1/4	4,347.73	1/4	4,054.74	1/4	3,745.79	1/4	3,426.31	1/4	3,096.83	1/4	2,764.87	1/4	2,432.90	1/4	2,100.93	1/4	1,768.96	1/4	1,436.99	1/4	1,107.15	1/4	793.25	1/4	498.55	1/4	223.04
1/2		1/2	4,343.00	1/2	4,048.41	1/2	3,739.23	1/2	3,419.54	1/2	3,089.92	1/2	2,757.95	1/2	2,425.98	1/2	2,094.01	1/2	1,762.05	1/2	1,430.08	1/2	1,100.33	1/2	786.84	1/2	492.54	1/2	217.42
3/4		3/4	4,338.27	3/4	4,042.07	3/4	3,732.68	3/4	3,412.76	3/4	3,083.00	3/4	2,751.03	3/4	2,419.07	3/4	2,087.10	3/4	1,755.13	3/4	1,423.16	3/4	1,093.52	3/4	780.42	3/4	486.52	3/4	211.81
1		1	4,333.54	1	4,035.74	1	3,726.12	1	3,405.99	1	3,076.09	1	2,744.12	1	2,412.15	1	2,080.18	1	1,748.21	1	1,416.25	1	1,086.70	1	774.01	1	480.51	1	206.19
1/4		1/4	4,328.81	1/4	4,029.41	1/4	3,719.57	1/4	3,399.21	1/4	3,069.17	1/4	2,737.20	1/4	2,405.23	1/4	2,073.27	1/4	1,741.30	1/4	1,409.33	1/4	1,080.09	1/4	767.79	1/4	474.70	1/4	200.77
1/2		1/2	4,322.63	1/2	4,023.07	1/2	3,713.01	1/2	3,392.43	1/2	3,062.25	1/2	2,730.29	1/2	2,398.32	1/2	2,066.35	1/2	1,734.38	1/2	1,402.41	1/2	1,073.47	1/2	761.58	1/2	468.88	1/2	195.36
3/4		3/4	4,316.44	3/4	4,016.74	3/4	3,706.46	3/4	3,385.66	3/4	3,055.34	3/4	2,723.37	3/4	2,391.40	3/4	2,059.43	3/4	1,727.47	3/4	1,395.50	3/4	1,066.86	3/4	755.36	3/4	463.07	3/4	189.94
2		2	4,310.26	2	4,010.41	2	3,699.90	2	3,378.88	2	3,048.42	2	2,716.45	2	2,384.49	2	2,052.52	2	1,720.55	2	1,388.58	2	1,060.25	2	749.15	2	457.25	2	184.53
1/4		1/4	4,304.07	1/4	4,004.07	1/4	3,693.35	1/4	3,372.11	1/4	3,041.51	1/4	2,709.54	1/4	2,377.57	1/4	2,045.60	1/4	1,713.63	1/4	1,381.67	1/4	1,053.63	1/4	742.94	1/4	451.44	1/4	179.11
1/2		1/2	4,297.91	1/2	3,997.69	1/2	3,686.74	1/2	3,365.27	1/2	3,034.59	1/2	2,702.62	1/2	2,370.65	1/2	2,038.69	1/2	1,706.72	1/2	1,374.75	1/2	1,047.02	1/2	736.72	1/2	445.63	1/2	173.69
3/4		3/4	4,291.74	3/4	3,991.30	3/4	3,680.13	3/4	3,358.44	3/4	3,027.67	3/4	2,695.71	3/4	2,363.74	3/4	2,031.77	3/4	1,699.80	3/4	1,367.83	3/4	1,040.40	3/4	730.51	3/4	439.81	3/4	168.28
3		3	4,285.57	3	3,984.91	3	3,673.52	3	3,351.61	3	3,020.76	3	2,688.79	3	2,356.82	3	2,024.85	3	1,692.89	3	1,360.92	3	1,033.79	3	724.29	3	434.00	3	162.86
1/4		1/4	4,279.41	1/4	3,978.52	1/4	3,666.91	1/4	3,344.78	1/4	3,013.84	1/4	2,681.87	1/4	2,349.91	1/4	2,017.94	1/4	1,685.97	1/4	1,354.00	1/4	1,027.18	1/4	718.08	1/4	428.18	1/4	157.45
1/2		1/2	4,273.24	1/2	3,972.13	1/2	3,660.30	1/2	3,337.95	1/2	3,006.93	1/2	2,674.96	1/2	2,342.99	1/2	2,011.02	1/2	1,679.05	1/2	1,347.09	1/2	1,020.66	1/2	711.87	1/2	422.37	1/2	152.03
3/4		3/4	4,267.07	3/4	3,965.75	3/4	3,653.69	3/4	3,331.11	3/4	3,000.01	3/4	2,668.04	3/4	2,336.07	3/4	2,004.11	3/4	1,672.14	3/4	1,340.17	3/4	1,013.95	3/4	705.65	3/4	416.56	3/4	146.61
4		4	4,260.91	4	3,959.36	4	3,647.08	4	3,324.28	4	2,993.09	4	2,661.13	4	2,329.16	4	1,997.19	4	1,665.22	4	1,333.25	4	1,007.33	4	699.44	4	410.74	4	141.20
1/4		1/4	4,254.74	1/4	3,952.97	1/4	3,640.47	1/4	3,317.45	1/4	2,986.18	1/4	2,654.21	1/4	2,322.24	1/4	1,990.27	1/4	1,658.31	1/4	1,326.34	1/4	1,000.72	1/4	693.22	1/4	404.93	1/4	135.78
1/2		1/2	4,248.57	1/2	3,946.58	1/2	3,633.87	1/2	3,310.62	1/2	2,979.26	1/2	2,647.29	1/2	2,315.33	1/2	1,983.36	1/2	1,651.39	1/2	1,319.42	1/2	994.11	1/2	687.01	1/2	399.11	1/2	130.37
3/4		3/4	4,242.40	3/4	3,940.19	3/4	3,627.26	3/4	3,303.79	3/4	2,972.35	3/4	2,640.38	3/4	2,308.41	3/4	1,976.44	3/4	1,644.47	3/4	1,312.51	3/4	987.49	3/4	680.80	3/4	393.30	3/4	124.95
5		5	4,236.24	5	3,933.81	5	3,620.65	5	3,296.95	5	2,965.43	5	2,633.46	5	2,301.49	5	1,969.53	5	1,637.56	5	1,305.59	5	980.88	5	674.58	5	387.49	5	119.53
1/4		1/4	4,230.07	1/4	3,927.42	1/4	3,614.04	1/4	3,290.12	1/4	2,958.51	1/4	2,626.55	1/4	2,294.58	1/4	1,962.61	1/4	1,630.64	1/4	1,298.67	1/4	974.26	1/4	668.37	1/4	381.67	1/4	114.12
1/2		1/2	4,223.85	1/2	3,920.98	1/2	3,607.37	1/2	3,283.24	1/2	2,951.60	1/2	2,619.63	1/2	2,287.66	1/2	1,955.69	1/2	1,623.73	1/2	1,291.76	1/2	967.65	1/2	662.15	1/2	375.86	1/2	108.70
3/4		3/4	4,217.63	3/4	3,914.53	3/4	3,600.71	3/4	3,276.35	3/4	2,944.68	3/4	2,612.71	3/4	2,280.75	3/4	1,948.78	3/4	1,616.81	3/4	1,284.84	3/4	961.04	3/4	655.94	3/4	370.04	3/4	103.29
6		6	4,211.40	6	3,908.09	6	3,594.04	6	3,269.46	6	2,937.77	6	2,605.80	6	2,273.83	6	1,941.86	6	1,609.89	6	1,277.93	6	954.42	6	649.73	6	364.23	6	97.87
1/4		1/4	4,205.18	1/4	3,901.65	1/4	3,587.38	1/4	3,262.58	1/4	2,930.85	1/4	2,598.88	1/4	2,266.91	1/4	1,934.95	1/4	1,602.98	1/4	1,271.01	1/4	947.81	1/4	643.51	1/4	358.42	1/4	92.45
1/2		1/2	4,198.96	1/2	3,895.20	1/2	3,580.71	1/2	3,255.69	1/2	2,923.93	1/2	2,591.97	1/2	2,260.00	1/2	1,928.03	1/2	1,596.06	1/2	1,264.09	1/2	941.19	1/2	637.30	1/2	352.60	1/2	87.04
3/4		3/4	4,192.74	3/4	3,888.76	3/4	3,574.05	3/4	3,248.81	3/4	2,917.02	3/4	2,585.05	3/4	2,253.08	3/4	1,921.11	3/4	1,589.15	3/4	1,257.18	3/4	934.58	3/4	631.08	3/4	346.79	3/4	81.62
7		7	4,186.52	7	3,882.32	7	3,567.38	7	3,241.92	7	2,910.10	7	2,578.13	7	2,246.17	7	1,914.20	7	1,582.23	7	1,250.26	7	927.97	7	624.87	7	340.97	7	76.21
1/4		1/4	4,180.29	1/4	3,875.87	1/4	3,560.72	1/4	3,235.03	1/4	2,903.19	1/4	2,571.22	1/4	2,239.25	1/4	1,907.28	1/4	1,576.31	1/4	1,243.45	1/4	921.55	1/4	618.85	1/4	335.36	1/4	70.99
1/2		1/2	4,174.07	1/2	3,869.43	1/2	3,554.05	1/2	3,228.15	1/2	2,896.27	1/2	2,564.30	1/2	2,232.33	1/2	1,900.37	1/2	1,568.40	1/2	1,236.63	1/2	915.14	1/2	612.84	1/2	329.74	1/2	65.77
3/4		3/4	4,167.85	3/4	3,862.99	3/4	3,547.39	3/4	3,221.26	3/4	2,889.35	3/4	2,557.39	3/4	2,225.42	3/4	1,893.45	3/4	1,561.48	3/4	1,229.82	3/4	908.72	3/4	606.82	3/4	324.13	3/4	60.56
8		8	4,161.63	8	3,856.54	8	3,540.72	8	3,214.38	8	2,882.44	8	2,560.47	8	2,218.50	8	1,886.53	8	1,554.57	8	1,223.00	8	902.31	8	600.81	8	318.51	8	55.34
1/4		1/4	4,155.41	1/4	3,850.10	1/4	3,534.06	1/4	3,207.49	1/4	2,875.52	1/4	2,543.55	1/4	2														



BARGE "EMS-314"
ENTERPRISE MARINE SERVICES, LLC
OUTAGE TABLE

TANK NO. 2
PORT OR STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 172

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
N		N		N		N		N		N		N		N		N		N		N		N		N		N		N	
0		0	5,276.60	0	4,947.43	0	4,595.01	0	4,226.03	0	3,840.97	0	3,452.46	0	3,063.94	0	2,675.43	0	2,286.92	0	1,898.41	0	1,509.90	0	1,121.38	0	732.87	0	344.36
1/4		1/4	5,272.77	1/4	4,940.23	1/4	4,587.47	1/4	4,218.15	1/4	3,832.87	1/4	3,444.36	1/4	3,055.85	1/4	2,667.34	1/4	2,278.83	1/4	1,890.31	1/4	1,501.80	1/4	1,113.29	1/4	724.78	1/4	336.27
1/2		1/2	5,267.23	1/2	4,933.04	1/2	4,579.93	1/2	4,210.27	1/2	3,824.78	1/2	3,436.27	1/2	3,047.76	1/2	2,659.24	1/2	2,270.73	1/2	1,882.22	1/2	1,493.71	1/2	1,105.20	1/2	716.68	1/2	328.17
3/4		3/4	5,261.69	3/4	4,926.85	3/4	4,572.40	3/4	4,202.38	3/4	3,816.69	3/4	3,428.17	3/4	3,039.66	3/4	2,651.15	3/4	2,262.64	3/4	1,874.13	3/4	1,485.61	3/4	1,097.10	3/4	708.59	3/4	320.08
1		1	5,256.15	1	4,918.66	1	4,564.86	1	4,194.50	1	3,808.59	1	3,420.08	1	3,031.57	1	2,643.06	1	2,254.54	1	1,866.03	1	1,477.52	1	1,089.01	1	700.50	1	311.98
1/4		1/4	5,250.61	1/4	4,911.47	1/4	4,557.33	1/4	4,186.62	1/4	3,800.50	1/4	3,411.99	1/4	3,023.47	1/4	2,634.96	1/4	2,246.45	1/4	1,857.94	1/4	1,469.43	1/4	1,080.91	1/4	692.40	1/4	303.89
1/2		1/2	5,243.37	1/2	4,904.28	1/2	4,549.79	1/2	4,178.74	1/2	3,792.40	1/2	3,403.89	1/2	3,015.38	1/2	2,626.87	1/2	2,236.36	1/2	1,849.84	1/2	1,461.33	1/2	1,072.82	1/2	684.31	1/2	295.80
3/4		3/4	5,236.12	3/4	4,897.09	3/4	4,542.25	3/4	4,170.86	3/4	3,784.31	3/4	3,395.80	3/4	3,007.29	3/4	2,618.77	3/4	2,230.26	3/4	1,841.75	3/4	1,453.24	3/4	1,064.73	3/4	676.21	3/4	287.70
2		2	5,228.88	2	4,889.90	2	4,534.72	2	4,162.98	2	3,776.22	2	3,387.70	2	2,999.19	2	2,610.68	2	2,222.17	2	1,833.66	2	1,445.14	2	1,056.63	2	668.12	2	279.61
1/4		1/4	5,221.63	1/4	4,882.71	1/4	4,527.18	1/4	4,155.10	1/4	3,768.12	1/4	3,379.61	1/4	2,991.10	1/4	2,602.59	1/4	2,214.07	1/4	1,825.56	1/4	1,437.05	1/4	1,048.54	1/4	660.03	1/4	271.51
1/2		1/2	5,214.70	1/2	4,875.43	1/2	4,519.56	1/2	4,147.13	1/2	3,760.03	1/2	3,371.52	1/2	2,983.00	1/2	2,594.49	1/2	2,205.98	1/2	1,817.47	1/2	1,428.96	1/2	1,040.44	1/2	651.93	1/2	263.42
3/4		3/4	5,207.77	3/4	4,868.15	3/4	4,511.94	3/4	4,139.16	3/4	3,751.93	3/4	3,363.42	3/4	2,974.91	3/4	2,586.40	3/4	2,197.89	3/4	1,809.37	3/4	1,420.86	3/4	1,032.35	3/4	643.84	3/4	255.33
3		3	5,200.84	3	4,860.88	3	4,504.32	3	4,131.20	3	3,743.84	3	3,355.33	3	2,966.82	3	2,578.30	3	2,189.79	3	1,801.28	3	1,412.77	3	1,024.26	3	635.74	3	247.23
1/4		1/4	5,193.91	1/4	4,853.60	1/4	4,496.69	1/4	4,123.23	1/4	3,735.75	1/4	3,347.23	1/4	2,958.72	1/4	2,570.21	1/4	2,181.70	1/4	1,793.19	1/4	1,404.67	1/4	1,016.16	1/4	627.65	1/4	239.14
1/2		1/2	5,186.97	1/2	4,846.32	1/2	4,489.07	1/2	4,115.26	1/2	3,727.65	1/2	3,339.14	1/2	2,950.63	1/2	2,562.12	1/2	2,173.60	1/2	1,785.09	1/2	1,396.58	1/2	1,008.07	1/2	619.56	1/2	231.04
3/4		3/4	5,180.04	3/4	4,839.04	3/4	4,481.45	3/4	4,107.30	3/4	3,719.56	3/4	3,331.05	3/4	2,942.53	3/4	2,554.02	3/4	2,165.51	3/4	1,777.00	3/4	1,388.49	3/4	999.97	3/4	611.46	3/4	222.95
4		4	5,173.11	4	4,831.77	4	4,473.83	4	4,099.33	4	3,711.46	4	3,322.95	4	2,934.44	4	2,545.93	4	2,157.42	4	1,768.90	4	1,380.39	4	991.88	4	603.37	4	214.86
1/4		1/4	5,166.18	1/4	4,824.49	1/4	4,466.21	1/4	4,091.36	1/4	3,703.37	1/4	3,314.86	1/4	2,926.35	1/4	2,537.83	1/4	2,149.32	1/4	1,760.81	1/4	1,372.30	1/4	983.79	1/4	595.27	1/4	206.76
1/2		1/2	5,159.25	1/2	4,817.21	1/2	4,458.58	1/2	4,083.40	1/2	3,695.28	1/2	3,306.76	1/2	2,918.25	1/2	2,529.74	1/2	2,141.23	1/2	1,752.72	1/2	1,364.20	1/2	975.69	1/2	587.18	1/2	198.67
3/4		3/4	5,152.31	3/4	4,809.94	3/4	4,450.96	3/4	4,075.43	3/4	3,687.18	3/4	3,298.67	3/4	2,910.16	3/4	2,521.65	3/4	2,133.13	3/4	1,744.62	3/4	1,356.11	3/4	967.60	3/4	579.09	3/4	190.57
5		5	5,145.38	5	4,802.66	5	4,443.34	5	4,067.46	5	3,679.09	5	3,290.58	5	2,902.06	5	2,513.55	5	2,125.04	5	1,736.53	5	1,348.02	5	959.50	5	570.99	5	182.48
1/4		1/4	5,138.45	1/4	4,795.38	1/4	4,435.72	1/4	4,059.49	1/4	3,670.99	1/4	3,282.48	1/4	2,893.97	1/4	2,505.46	1/4	2,116.95	1/4	1,728.43	1/4	1,339.92	1/4	951.41	1/4	562.90	1/4	174.39
1/2		1/2	5,131.43	1/2	4,788.02	1/2	4,428.01	1/2	4,051.40	1/2	3,662.90	1/2	3,274.39	1/2	2,885.88	1/2	2,497.36	1/2	2,108.85	1/2	1,720.34	1/2	1,331.83	1/2	943.32	1/2	554.80	1/2	166.29
3/4		3/4	5,124.41	3/4	4,780.65	3/4	4,420.30	3/4	4,043.31	3/4	3,654.81	3/4	3,266.29	3/4	2,877.78	3/4	2,489.27	3/4	2,100.76	3/4	1,712.25	3/4	1,323.73	3/4	935.22	3/4	546.71	3/4	158.20
6		6	5,117.40	6	4,773.29	6	4,412.59	6	4,035.22	6	3,646.71	6	3,258.20	6	2,869.69	6	2,481.18	6	2,092.66	6	1,704.15	6	1,315.64	6	927.13	6	538.62	6	150.10
1/4		1/4	5,110.38	1/4	4,765.93	1/4	4,404.88	1/4	4,027.12	1/4	3,638.62	1/4	3,250.11	1/4	2,861.59	1/4	2,473.08	1/4	2,084.57	1/4	1,696.06	1/4	1,307.55	1/4	919.03	1/4	530.52	1/4	142.01
1/2		1/2	5,103.36	1/2	4,758.56	1/2	4,397.17	1/2	4,019.03	1/2	3,630.52	1/2	3,242.01	1/2	2,853.50	1/2	2,464.99	1/2	2,076.48	1/2	1,687.96	1/2	1,299.45	1/2	910.94	1/2	522.43	1/2	133.92
3/4		3/4	5,096.34	3/4	4,751.20	3/4	4,389.46	3/4	4,010.94	3/4	3,622.43	3/4	3,233.92	3/4	2,845.41	3/4	2,456.89	3/4	2,068.38	3/4	1,679.87	3/4	1,291.36	3/4	902.86	3/4	514.33	3/4	125.82
7		7	5,089.32	7	4,743.83	7	4,381.76	7	4,002.84	7	3,614.34	7	3,225.82	7	2,837.31	7	2,448.80	7	2,060.29	7	1,671.78	7	1,283.26	7	894.76	7	506.24	7	117.73
1/4		1/4	5,082.31	1/4	4,736.47	1/4	4,374.05	1/4	3,994.75	1/4	3,606.24	1/4	3,217.73	1/4	2,829.22	1/4	2,440.71	1/4	2,052.19	1/4	1,663.68	1/4	1,275.17	1/4	886.66	1/4	498.15	1/4	109.63
1/2		1/2	5,075.29	1/2	4,729.11	1/2	4,366.34	1/2	3,986.66	1/2	3,598.15	1/2	3,209.64	1/2	2,821.12	1/2	2,432.61	1/2	2,044.10	1/2	1,655.59	1/2	1,267.08	1/2	878.56	1/2	490.05	1/2	101.64
3/4		3/4	5,068.27	3/4	4,721.74	3/4	4,358.63	3/4	3,978.56	3/4	3,590.05	3/4	3,201.54	3/4	2,813.03	3/4	2,424.52	3/4	2,036.01	3/4	1,647.49	3/4	1,258.98	3/4	870.47	3/4	481.96	3/4	93.45
8		8	5,061.25	8	4,714.38	8	4,350.92	8	3,970.47	8	3,581.96	8	3,193.45	8	2,804.94	8	2,416.42	8	2,027.91	8	1,639.40	8	1,250.89	8	862.38	8	473.86	8	85.35
1/4		1/4	5,054.23	1/4	4,707.01	1/4	4,343.21	1/4	3																				



BARGE "EMS-314"
ENTERPRISE MARINE SERVICES, LLC
OUTAGE TABLE

TANK NO. 3
PORT OR STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 172

		0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
0		0	4,555.82	0	4,319.03	0	4,067.83	0	3,804.81	0	3,530.69	0	3,208.82	0	2,846.85	0	2,484.88	0	2,122.91	0	1,760.94	0	1,398.98	0	1,037.01	0	675.04	0	313.07		
1/4		1/4	4,551.87	1/4	4,313.91	1/4	4,062.46	1/4	3,799.20	1/4	3,524.92	1/4	3,201.28	1/4	2,839.31	1/4	2,477.34	1/4	2,115.37	1/4	1,753.40	1/4	1,391.44	1/4	1,029.47	1/4	667.50	1/4	305.53		
1/2		1/2	4,547.93	1/2	4,308.79	1/2	4,057.09	1/2	3,793.59	1/2	3,519.16	1/2	3,193.74	1/2	2,831.77	1/2	2,469.80	1/2	2,107.83	1/2	1,745.86	1/2	1,383.89	1/2	1,021.93	1/2	659.96	1/2	297.99		
3/4		3/4	4,543.98	3/4	4,303.67	3/4	4,051.73	3/4	3,787.97	3/4	3,513.39	3/4	3,186.19	3/4	2,824.23	3/4	2,462.26	3/4	2,100.29	3/4	1,738.32	3/4	1,376.35	3/4	1,014.39	3/4	652.42	3/4	290.45		
1		1	4,540.04	1	4,298.55	1	4,046.36	1	3,782.36	1	3,507.62	1	3,178.65	1	2,816.68	1	2,454.72	1	2,092.75	1	1,730.78	1	1,368.81	1	1,006.84	1	644.88	1	282.91		
1/4		1/4	4,534.88	1/4	4,293.43	1/4	4,040.99	1/4	3,776.75	1/4	3,501.86	1/4	3,171.11	1/4	2,809.14	1/4	2,447.18	1/4	2,085.21	1/4	1,723.24	1/4	1,361.27	1/4	999.30	1/4	637.34	1/4	275.37		
1/2		1/2	4,529.72	1/2	4,288.31	1/2	4,035.63	1/2	3,771.13	1/2	3,496.09	1/2	3,163.57	1/2	2,801.60	1/2	2,439.63	1/2	2,077.67	1/2	1,715.70	1/2	1,353.73	1/2	991.76	1/2	629.79	1/2	267.83		
3/4		3/4	4,524.56	3/4	4,283.19	3/4	4,030.26	3/4	3,765.52	3/4	3,490.32	3/4	3,156.03	3/4	2,794.06	3/4	2,432.09	3/4	2,070.13	3/4	1,708.16	3/4	1,346.19	3/4	984.22	3/4	622.25	3/4	260.29		
2		2	4,519.40	2	4,278.07	2	4,024.89	2	3,759.91	2	3,484.56	2	3,148.49	2	2,786.52	2	2,424.55	2	2,062.58	2	1,700.62	2	1,338.65	2	976.68	2	614.71	2	252.74		
1/4		1/4	4,514.46	1/4	4,272.88	1/4	4,019.46	1/4	3,754.23	1/4	3,478.79	1/4	3,140.95	1/4	2,778.98	1/4	2,417.01	1/4	2,055.04	1/4	1,693.08	1/4	1,331.11	1/4	969.14	1/4	607.17	1/4	245.20		
1/2		1/2	4,509.53	1/2	4,267.70	1/2	4,014.03	1/2	3,748.56	1/2	3,473.02	1/2	3,133.41	1/2	2,771.44	1/2	2,409.47	1/2	2,047.50	1/2	1,685.53	1/2	1,323.57	1/2	961.60	1/2	599.63	1/2	237.66		
3/4		3/4	4,504.59	3/4	4,262.52	3/4	4,008.60	3/4	3,742.88	3/4	3,467.25	3/4	3,125.87	3/4	2,763.90	3/4	2,401.93	3/4	2,039.96	3/4	1,677.99	3/4	1,316.03	3/4	954.06	3/4	592.09	3/4	230.12		
3		3	4,499.66	3	4,257.34	3	4,003.18	3	3,737.21	3	3,461.49	3	3,118.32	3	2,756.36	3	2,394.39	3	2,032.42	3	1,670.45	3	1,308.48	3	946.52	3	584.55	3	222.58		
1/4		1/4	4,494.72	1/4	4,252.16	1/4	3,997.75	1/4	3,731.53	1/4	3,455.72	1/4	3,110.78	1/4	2,748.82	1/4	2,386.85	1/4	2,024.88	1/4	1,662.91	1/4	1,300.94	1/4	938.98	1/4	577.01	1/4	215.04		
1/2		1/2	4,489.79	1/2	4,246.98	1/2	3,992.32	1/2	3,725.86	1/2	3,449.95	1/2	3,103.24	1/2	2,741.27	1/2	2,379.31	1/2	2,017.34	1/2	1,655.37	1/2	1,293.40	1/2	931.43	1/2	569.47	1/2	207.50		
3/4		3/4	4,484.85	3/4	4,241.79	3/4	3,986.89	3/4	3,720.18	3/4	3,444.13	3/4	3,095.70	3/4	2,733.73	3/4	2,371.77	3/4	2,009.80	3/4	1,647.83	3/4	1,285.86	3/4	923.89	3/4	561.93	3/4	199.96		
4		4	4,479.92	4	4,236.61	4	3,981.46	4	3,714.51	4	3,438.06	4	3,088.16	4	2,726.19	4	2,364.22	4	2,002.26	4	1,640.29	4	1,278.32	4	916.35	4	554.38	4	192.42		
1/4		1/4	4,474.98	1/4	4,231.43	1/4	3,976.03	1/4	3,708.83	1/4	3,431.98	1/4	3,080.62	1/4	2,718.65	1/4	2,356.68	1/4	1,994.72	1/4	1,632.75	1/4	1,270.78	1/4	908.81	1/4	546.84	1/4	184.88		
1/2		1/2	4,470.05	1/2	4,226.25	1/2	3,970.60	1/2	3,703.16	1/2	3,425.90	1/2	3,073.08	1/2	2,711.11	1/2	2,349.14	1/2	1,987.17	1/2	1,625.21	1/2	1,263.24	1/2	901.27	1/2	539.30	1/2	177.33		
3/4		3/4	4,465.11	3/4	4,221.07	3/4	3,965.17	3/4	3,697.48	3/4	3,419.83	3/4	3,065.54	3/4	2,703.57	3/4	2,341.60	3/4	1,979.63	3/4	1,617.67	3/4	1,255.70	3/4	893.73	3/4	531.76	3/4	169.79		
5		5	4,460.18	5	4,216.88	5	3,959.74	5	3,691.81	5	3,413.34	5	3,058.00	5	2,696.03	5	2,334.06	5	1,972.09	5	1,610.12	5	1,248.16	5	886.19	5	524.22	5	162.25		
1/4		1/4	4,455.18	1/4	4,210.64	1/4	3,954.25	1/4	3,686.07	1/4	3,406.85	1/4	3,050.46	1/4	2,688.49	1/4	2,326.52	1/4	1,964.55	1/4	1,602.58	1/4	1,240.62	1/4	878.65	1/4	516.68	1/4	154.71		
1/2		1/2	4,450.19	1/2	4,205.40	1/2	3,948.76	1/2	3,680.33	1/2	3,400.36	1/2	3,042.91	1/2	2,680.95	1/2	2,318.98	1/2	1,957.01	1/2	1,595.04	1/2	1,233.07	1/2	871.11	1/2	509.14	1/2	147.17		
3/4		3/4	4,445.19	3/4	4,200.15	3/4	3,943.28	3/4	3,674.60	3/4	3,393.87	3/4	3,035.37	3/4	2,673.41	3/4	2,311.44	3/4	1,949.47	3/4	1,587.50	3/4	1,225.53	3/4	863.57	3/4	501.60	3/4	139.63		
6		6	4,440.19	6	4,194.91	6	3,937.79	6	3,668.86	6	3,386.97	6	3,027.83	6	2,665.86	6	2,303.90	6	1,941.93	6	1,579.96	6	1,217.99	6	856.02	6	494.06	6	132.09		
1/4		1/4	4,435.19	1/4	4,189.66	1/4	3,932.30	1/4	3,663.12	1/4	3,380.07	1/4	3,020.29	1/4	2,658.32	1/4	2,296.36	1/4	1,934.39	1/4	1,572.42	1/4	1,210.45	1/4	848.48	1/4	486.52	1/4	124.55		
1/2		1/2	4,430.20	1/2	4,184.42	1/2	3,926.81	1/2	3,657.38	1/2	3,373.16	1/2	3,012.75	1/2	2,650.78	1/2	2,288.81	1/2	1,926.85	1/2	1,564.88	1/2	1,202.91	1/2	840.94	1/2	478.97	1/2	117.01		
3/4		3/4	4,425.20	3/4	4,179.18	3/4	3,921.32	3/4	3,651.65	3/4	3,366.26	3/4	3,005.21	3/4	2,643.24	3/4	2,281.27	3/4	1,919.31	3/4	1,557.34	3/4	1,195.37	3/4	833.40	3/4	471.43	3/4	109.47		
7		7	4,420.20	7	4,173.93	7	3,915.83	7	3,645.91	7	3,358.95	7	2,997.67	7	2,635.70	7	2,273.73	7	1,911.76	7	1,549.80	7	1,187.83	7	826.86	7	463.89	7	101.92		
1/4		1/4	4,415.21	1/4	4,168.69	1/4	3,910.34	1/4	3,640.17	1/4	3,351.64	1/4	2,990.13	1/4	2,628.16	1/4	2,266.19	1/4	1,904.22	1/4	1,542.26	1/4	1,180.29	1/4	818.32	1/4	456.35	1/4	94.38		
1/2		1/2	4,410.21	1/2	4,163.44	1/2	3,904.85	1/2	3,634.44	1/2	3,344.33	1/2	2,982.59	1/2	2,620.62	1/2	2,258.65	1/2	1,896.68	1/2	1,534.71	1/2	1,172.75	1/2	810.78	1/2	448.81	1/2	86.84		
3/4		3/4	4,405.21	3/4	4,158.20	3/4	3,899.36	3/4	3,628.70	3/4	3,337.01	3/4	2,975.05	3/4	2,613.08	3/4	2,251.11	3/4	1,889.14	3/4	1,527.17	3/4	1,165.21	3/4	803.24	3/4	441.27	3/4	79.30		
8		8	4,400.22	8	4,152.96	8	3,893.87	8	3,622.96	8	3,329.47	8	2,967.50	8	2,605.64	8	2,243.57	8	1,881.60	8	1,519.93	8	1,157.66	8	795.70	8	433.73	8	71.76		
1/4		1/4	4,395.16	1/4	4,147.65	1/4	3,888.32	1/4	3,617.20	1/4	3,321.93	1/4	2,959.96	1/4	2,598.00	1/4	2,236.03	1/4	1,874.06	1/4	1,512.09	1/4	1,150.12	1/4	788.16	1/4	426.19	1/4	64.83		
1/2																															