



**BARGE "EMS-301"  
ENTERPRISE MARINE SERVICE  
OUTAGE TABLE**

**TANK NO. 1  
PORT OR STAR**

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

HULL NO. 4147

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.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	5,023.52	0	4,762.74	0	4,395.69	0	4,028.11	0	3,660.52	0	3,292.94	0	2,925.36	0	2,557.77	0	2,190.19	0	1,822.60	0	1,455.02	0	1,087.44	0	719.85	0	352.27
1/4	1/4	1/4	5,022.46	1/4	4,755.11	1/4	4,388.03	1/4	4,020.45	1/4	3,652.87	1/4	3,285.28	1/4	2,917.70	1/4	2,550.11	1/4	2,182.53	1/4	1,814.95	1/4	1,447.36	1/4	1,079.78	1/4	712.19	1/4	344.61
1/2	1/2	1/2	5,021.39	1/2	4,747.47	1/2	4,380.38	1/2	4,012.79	1/2	3,645.21	1/2	3,277.62	1/2	2,910.04	1/2	2,542.46	1/2	2,174.87	1/2	1,807.29	1/2	1,439.70	1/2	1,072.12	1/2	704.54	1/2	336.95
3/4	3/4	3/4	5,020.33	3/4	4,739.84	3/4	4,372.72	3/4	4,005.13	3/4	3,637.55	3/4	3,269.97	3/4	2,902.38	3/4	2,534.80	3/4	2,167.21	3/4	1,799.63	3/4	1,432.05	3/4	1,064.46	3/4	696.88	3/4	329.29
1	1	1	5,018.39	1	4,732.21	1	4,365.06	1	3,997.48	1	3,629.89	1	3,262.31	1	2,894.72	1	2,527.14	1	2,159.56	1	1,791.97	1	1,424.39	1	1,056.80	1	689.22	1	321.64
1/4	1/4	1/4	5,016.45	1/4	4,724.58	1/4	4,357.40	1/4	3,989.82	1/4	3,622.23	1/4	3,254.65	1/4	2,887.07	1/4	2,519.48	1/4	2,151.90	1/4	1,784.31	1/4	1,416.73	1/4	1,049.15	1/4	681.56	1/4	313.98
1/2	1/2	1/2	5,014.51	1/2	4,716.95	1/2	4,349.74	1/2	3,982.16	1/2	3,614.58	1/2	3,246.99	1/2	2,879.41	1/2	2,511.82	1/2	2,144.24	1/2	1,776.66	1/2	1,409.07	1/2	1,041.49	1/2	673.90	1/2	306.32
3/4	3/4	3/4	5,012.57	3/4	4,709.32	3/4	4,342.09	3/4	3,974.50	3/4	3,606.92	3/4	3,239.33	3/4	2,871.75	3/4	2,504.17	3/4	2,136.58	3/4	1,769.00	3/4	1,401.41	3/4	1,033.83	3/4	666.25	3/4	298.66
2	2	2	5,009.75	2	4,701.69	2	4,334.43	2	3,966.84	2	3,599.26	2	3,231.68	2	2,864.09	2	2,496.51	2	2,128.92	2	1,761.34	2	1,393.76	2	1,026.17	2	658.59	2	291.00
1/4	1/4	1/4	5,006.94	1/4	4,694.06	1/4	4,326.77	1/4	3,959.19	1/4	3,591.60	1/4	3,224.02	1/4	2,856.43	1/4	2,488.85	1/4	2,121.27	1/4	1,753.68	1/4	1,386.10	1/4	1,018.51	1/4	650.93	1/4	283.35
1/2	1/2	1/2	5,004.12	1/2	4,686.43	1/2	4,319.11	1/2	3,951.53	1/2	3,583.94	1/2	3,216.36	1/2	2,848.78	1/2	2,481.19	1/2	2,113.61	1/2	1,746.02	1/2	1,378.44	1/2	1,010.86	1/2	643.27	1/2	275.69
3/4	3/4	3/4	5,001.30	3/4	4,678.80	3/4	4,311.45	3/4	3,943.87	3/4	3,576.29	3/4	3,208.70	3/4	2,841.12	3/4	2,473.53	3/4	2,105.95	3/4	1,738.37	3/4	1,370.78	3/4	1,003.20	3/4	635.61	3/4	268.03
3	3	3	4,997.61	3	4,671.16	3	4,303.80	3	3,936.21	3	3,568.63	3	3,201.04	3	2,833.46	3	2,465.88	3	2,098.29	3	1,730.71	3	1,363.12	3	995.54	3	627.96	3	260.37
1/4	1/4	1/4	4,993.92	1/4	4,663.53	1/4	4,296.14	1/4	3,928.55	1/4	3,560.97	1/4	3,193.39	1/4	2,825.80	1/4	2,458.22	1/4	2,090.63	1/4	1,723.05	1/4	1,355.47	1/4	987.88	1/4	620.30	1/4	252.71
1/2	1/2	1/2	4,990.23	1/2	4,655.90	1/2	4,288.48	1/2	3,920.90	1/2	3,553.31	1/2	3,185.73	1/2	2,818.14	1/2	2,450.56	1/2	2,082.98	1/2	1,715.39	1/2	1,347.81	1/2	980.22	1/2	612.64	1/2	245.06
3/4	3/4	3/4	4,986.54	3/4	4,648.27	3/4	4,280.82	3/4	3,913.24	3/4	3,545.65	3/4	3,178.07	3/4	2,810.49	3/4	2,442.90	3/4	2,075.32	3/4	1,707.73	3/4	1,340.15	3/4	972.57	3/4	604.98	3/4	237.40
4	4	4	4,981.97	4	4,640.64	4	4,273.16	4	3,905.58	4	3,538.00	4	3,170.41	4	2,802.83	4	2,435.24	4	2,067.66	4	1,700.08	4	1,332.49	4	964.91	4	597.32	4	229.74
1/4	1/4	1/4	4,977.41	1/4	4,633.01	1/4	4,265.51	1/4	3,897.92	1/4	3,530.34	1/4	3,162.75	1/4	2,795.17	1/4	2,427.59	1/4	2,060.00	1/4	1,692.42	1/4	1,324.83	1/4	957.25	1/4	589.67	1/4	222.08
1/2	1/2	1/2	4,972.84	1/2	4,625.38	1/2	4,257.85	1/2	3,890.26	1/2	3,522.68	1/2	3,155.10	1/2	2,787.51	1/2	2,419.93	1/2	2,052.34	1/2	1,684.76	1/2	1,317.18	1/2	949.59	1/2	582.01	1/2	214.42
3/4	3/4	3/4	4,968.27	3/4	4,617.75	3/4	4,250.19	3/4	3,882.61	3/4	3,515.02	3/4	3,147.44	3/4	2,779.85	3/4	2,412.27	3/4	2,044.69	3/4	1,677.10	3/4	1,309.52	3/4	941.93	3/4	574.35	3/4	206.77
5	5	5	4,962.83	5	4,610.12	5	4,242.53	5	3,874.95	5	3,507.36	5	3,139.78	5	2,772.20	5	2,404.61	5	2,037.03	5	1,669.44	5	1,301.86	5	934.28	5	566.69	5	199.11
1/4	1/4	1/4	4,957.39	1/4	4,602.46	1/4	4,234.87	1/4	3,867.29	1/4	3,499.71	1/4	3,132.12	1/4	2,764.54	1/4	2,396.95	1/4	2,029.37	1/4	1,661.79	1/4	1,294.20	1/4	926.62	1/4	559.03	1/4	191.45
1/2	1/2	1/2	4,951.95	1/2	4,594.80	1/2	4,227.22	1/2	3,860.63	1/2	3,492.05	1/2	3,124.46	1/2	2,756.88	1/2	2,389.30	1/2	2,021.71	1/2	1,654.13	1/2	1,286.54	1/2	918.96	1/2	551.38	1/2	183.79
3/4	3/4	3/4	4,946.50	3/4	4,587.14	3/4	4,219.56	3/4	3,851.97	3/4	3,484.39	3/4	3,116.81	3/4	2,749.22	3/4	2,381.64	3/4	2,014.05	3/4	1,646.47	3/4	1,278.89	3/4	911.30	3/4	543.72	3/4	176.13
6	6	6	4,940.19	6	4,579.48	6	4,211.90	6	3,844.32	6	3,476.73	6	3,109.15	6	2,741.56	6	2,373.98	6	2,006.40	6	1,638.81	6	1,271.23	6	903.64	6	536.06	6	168.48
1/4	1/4	1/4	4,933.87	1/4	4,571.83	1/4	4,204.24	1/4	3,836.66	1/4	3,469.07	1/4	3,101.49	1/4	2,733.91	1/4	2,366.32	1/4	1,998.74	1/4	1,631.15	1/4	1,263.57	1/4	895.99	1/4	528.40	1/4	160.82
1/2	1/2	1/2	4,927.55	1/2	4,564.17	1/2	4,196.58	1/2	3,829.00	1/2	3,461.42	1/2	3,093.83	1/2	2,726.25	1/2	2,358.66	1/2	1,991.08	1/2	1,623.50	1/2	1,255.91	1/2	888.33	1/2	520.74	1/2	153.16
3/4	3/4	3/4	4,921.24	3/4	4,556.51	3/4	4,188.93	3/4	3,821.34	3/4	3,453.76	3/4	3,086.17	3/4	2,718.59	3/4	2,351.01	3/4	1,983.42	3/4	1,615.84	3/4	1,248.25	3/4	880.67	3/4	513.09	3/4	145.50
7	7	7	4,914.04	7	4,548.85	7	4,181.27	7	3,813.68	7	3,446.10	7	3,078.52	7	2,710.93	7	2,343.35	7	1,975.76	7	1,608.18	7	1,240.60	7	873.01	7	505.43	7	137.84
1/4	1/4	1/4	4,906.85	1/4	4,541.19	1/4	4,173.61	1/4	3,806.03	1/4	3,438.44	1/4	3,070.86	1/4	2,703.27	1/4	2,335.69	1/4	1,968.11	1/4	1,600.52	1/4	1,232.94	1/4	865.35	1/4	497.77	1/4	130.19
1/2	1/2	1/2	4,899.66	1/2	4,533.54	1/2	4,165.95	1/2	3,798.37	1/2	3,430.78	1/2	3,063.20	1/2	2,695.62	1/2	2,328.03	1/2	1,960.45	1/2	1,592.86	1/2	1,225.28	1/2	857.70	1/2	490.11	1/2	122.53
3/4	3/4	3/4	4,892.46	3/4	4,525.88	3/4	4,158.29	3/4	3,790.71	3/4	3,423.13	3/4	3,055.54	3/4	2,687.96	3/4	2,320.37	3/4	1,952.79	3/4	1,585.21	3/4	1,217.62	3/4	850.04	3/4	482.45	3/4	114.87
8	8	8	4,884.83	8	4,518.22	8	4,150.64	8	3,783.05	8	3,415.47	8	3,047.88	8	2,680.30	8	2,312.72	8	1,945.13	8	1,577.55	8	1,209.96	8	842.38	8	474.80	8	107.21
1/4	1/4	1/4	4,877.20	1/4	4,510.56	1/4	4,142.98	1/4	3,775.39	1/4	3,407.81	1/4	3,040.23	1/4	2,672.64	1/4	2,305.06	1/4	1,937.47	1/4	1,569.89	1/4	1,202.31	1/4	834.72	1/4	467.14	1/4	99.55
1/2	1/2	1/2	4,869.57	1/2	4,502.90	1/2	4,135.32	1/2	3,767.74	1/2	3,400.15	1/2	3,032.57	1/2	2,664.98	1/2	2,297.40	1/2	1,929.82	1/2	1,562.23	1/2	1,194.65	1/2	827.06	1/2	459.48	1/2	91.90
3/4	3/4	3/4	4,861.94	3/4	4,495.25	3/4	4,127.66	3/4	3,760.08	3/4	3,392.49	3/4	3,024.91	3/4	2,657.33	3/4	2,289.74	3/4	1,922.16	3/4	1,554.57	3/4	1,186.99	3/4	819.41	3/4	451.82	3/4	84.24
9	9	9	4,854.31	9	4,487.59	9	4,120.00	9	3,752.42	9	3,384.84	9	3,017.25	9	2,649.67	9	2,282.08	9	1,914.50	9	1,546.92	9	1,179.33	9	811.75	9	444.16	9	76.58
1/4	1/4	1/4	4,846.68	1/4	4,479.93	1/4	4,112.35	1/4	3,744.76	1/4	3,377.18	1/4	3,009.59	1/4	2,642.01	1/4	2,274.43	1/4	1,906.84	1/4	1,539.26	1/4	1,171.67	1/4	804.09	1/4	436.51	1/4	68.92
1/2	1/2	1/2	4,839.05	1/2	4,472.27	1/																							



## BARGE "EMS-301" ENTERPRISE MARINE SERVICE OUTAGE TABLE

**TANK NO. 2  
PORT**

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

HULL NO. 4147

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	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I
0		0	5,082.58	0	4,818.72	0	4,447.35	0	4,075.45	0	3,703.54	0	3,331.64	0	2,959.74	0	2,587.83	0	2,215.93	0	1,844.02	0	1,472.12	0	1,100.22	0	728.31	0	356.41		
1/4	1/4	1/4	5,081.50	1/4	4,811.00	1/4	4,439.60	1/4	4,067.70	1/4	3,695.80	1/4	3,323.89	1/4	2,951.99	1/4	2,580.08	1/4	2,208.18	1/4	1,836.28	1/4	1,464.37	1/4	1,092.47	1/4	720.56	1/4	348.66		
1/2	1/2	1/2	5,080.42	1/2	4,803.27	1/2	4,431.86	1/2	4,059.95	1/2	3,688.05	1/2	3,316.14	1/2	2,944.24	1/2	2,572.34	1/2	2,200.43	1/2	1,828.53	1/2	1,456.62	1/2	1,084.72	1/2	712.82	1/2	340.91		
3/4	3/4	3/4	5,079.35	3/4	4,795.55	3/4	4,424.11	3/4	4,052.20	3/4	3,680.30	3/4	3,308.40	3/4	2,936.49	3/4	2,564.59	3/4	2,192.68	3/4	1,820.78	3/4	1,448.88	3/4	1,076.97	3/4	705.07	3/4	333.16		
1	1	1	5,077.38	1	4,787.83	1	4,416.36	1	4,044.46	1	3,672.55	1	3,300.65	1	2,928.74	1	2,556.84	1	2,184.94	1	1,813.03	1	1,441.13	1	1,069.22	1	697.32	1	325.42		
1/4	1/4	1/4	5,075.42	1/4	4,780.11	1/4	4,408.61	1/4	4,036.71	1/4	3,664.80	1/4	3,292.90	1/4	2,921.00	1/4	2,549.09	1/4	2,177.19	1/4	1,805.28	1/4	1,433.38	1/4	1,061.48	1/4	689.57	1/4	317.67		
1/2	1/2	1/2	5,073.46	1/2	4,772.39	1/2	4,400.86	1/2	4,028.96	1/2	3,657.06	1/2	3,285.15	1/2	2,913.25	1/2	2,541.34	1/2	2,169.44	1/2	1,797.54	1/2	1,425.63	1/2	1,053.73	1/2	681.82	1/2	309.92		
3/4	3/4	3/4	5,071.49	3/4	4,764.67	3/4	4,393.12	3/4	4,021.21	3/4	3,649.31	3/4	3,277.40	3/4	2,905.50	3/4	2,533.60	3/4	2,161.69	3/4	1,789.79	3/4	1,417.88	3/4	1,045.98	3/4	674.08	3/4	302.17		
2	2	2	5,068.64	2	4,756.95	2	4,385.37	2	4,013.46	2	3,641.56	2	3,269.66	2	2,897.75	2	2,525.85	2	2,153.94	2	1,782.04	2	1,410.14	2	1,038.23	2	666.33	2	294.42		
1/4	1/4	1/4	5,065.80	1/4	4,749.23	1/4	4,377.62	1/4	4,005.72	1/4	3,633.81	1/4	3,261.91	1/4	2,890.00	1/4	2,518.10	1/4	2,146.20	1/4	1,774.29	1/4	1,402.39	1/4	1,030.48	1/4	658.58	1/4	286.68		
1/2	1/2	1/2	5,062.95	1/2	4,741.51	1/2	4,369.87	1/2	3,997.97	1/2	3,626.06	1/2	3,254.16	1/2	2,882.26	1/2	2,510.35	1/2	2,138.45	1/2	1,766.54	1/2	1,394.64	1/2	1,022.74	1/2	650.83	1/2	278.93		
3/4	3/4	3/4	5,060.10	3/4	4,733.79	3/4	4,362.12	3/4	3,990.22	3/4	3,618.32	3/4	3,246.41	3/4	2,874.51	3/4	2,502.60	3/4	2,130.70	3/4	1,758.80	3/4	1,386.89	3/4	1,014.99	3/4	643.08	3/4	271.18		
3	3	3	5,056.36	3	4,726.06	3	4,354.38	3	3,982.47	3	3,610.57	3	3,238.66	3	2,866.76	3	2,494.86	3	2,122.95	3	1,751.05	3	1,379.14	3	1,007.24	3	635.34	3	263.43		
1/4	1/4	1/4	5,052.63	1/4	4,718.34	1/4	4,346.63	1/4	3,974.72	1/4	3,602.82	1/4	3,230.92	1/4	2,859.01	1/4	2,487.11	1/4	2,115.20	1/4	1,743.30	1/4	1,371.40	1/4	999.49	1/4	627.59	1/4	255.68		
1/2	1/2	1/2	5,048.89	1/2	4,710.62	1/2	4,338.88	1/2	3,966.98	1/2	3,595.07	1/2	3,223.17	1/2	2,851.26	1/2	2,479.36	1/2	2,107.46	1/2	1,735.55	1/2	1,363.65	1/2	991.74	1/2	619.84	1/2	247.94		
3/4	3/4	3/4	5,045.16	3/4	4,702.90	3/4	4,331.13	3/4	3,959.23	3/4	3,587.32	3/4	3,215.42	3/4	2,843.52	3/4	2,471.61	3/4	2,099.71	3/4	1,727.80	3/4	1,355.90	3/4	984.00	3/4	612.09	3/4	240.19		
4	4	4	5,040.54	4	4,695.18	4	4,323.38	4	3,951.48	4	3,579.58	4	3,207.67	4	2,835.77	4	2,463.86	4	2,091.96	4	1,720.06	4	1,348.15	4	976.25	4	604.34	4	232.44		
1/4	1/4	1/4	5,035.92	1/4	4,687.46	1/4	4,315.64	1/4	3,943.73	1/4	3,571.83	1/4	3,199.92	1/4	2,828.02	1/4	2,456.12	1/4	2,084.21	1/4	1,712.31	1/4	1,340.40	1/4	968.50	1/4	596.60	1/4	224.69		
1/2	1/2	1/2	5,031.29	1/2	4,679.74	1/2	4,307.89	1/2	3,935.98	1/2	3,564.08	1/2	3,192.18	1/2	2,820.27	1/2	2,448.37	1/2	2,076.46	1/2	1,704.56	1/2	1,332.66	1/2	960.75	1/2	588.85	1/2	216.94		
3/4	3/4	3/4	5,026.67	3/4	4,672.02	3/4	4,300.14	3/4	3,928.24	3/4	3,556.33	3/4	3,184.43	3/4	2,812.52	3/4	2,440.62	3/4	2,068.72	3/4	1,696.81	3/4	1,324.91	3/4	953.00	3/4	581.10	3/4	209.20		
5	5	5	5,021.17	5	4,664.30	5	4,292.39	5	3,920.49	5	3,548.58	5	3,176.68	5	2,804.78	5	2,432.87	5	2,060.97	5	1,689.06	5	1,317.16	5	945.26	5	573.35	5	201.45		
1/4	1/4	1/4	5,015.66	1/4	4,656.55	1/4	4,284.64	1/4	3,912.74	1/4	3,540.84	1/4	3,168.93	1/4	2,797.03	1/4	2,425.12	1/4	2,053.22	1/4	1,681.32	1/4	1,309.41	1/4	937.51	1/4	565.60	1/4	193.70		
1/2	1/2	1/2	5,010.16	1/2	4,648.80	1/2	4,276.90	1/2	3,904.99	1/2	3,533.09	1/2	3,161.18	1/2	2,785.28	1/2	2,417.38	1/2	2,045.47	1/2	1,673.57	1/2	1,301.66	1/2	929.76	1/2	557.86	1/2	185.95		
3/4	3/4	3/4	5,004.65	3/4	4,641.05	3/4	4,269.15	3/4	3,897.24	3/4	3,525.34	3/4	3,153.44	3/4	2,781.53	3/4	2,409.63	3/4	2,037.72	3/4	1,665.82	3/4	1,293.92	3/4	922.01	3/4	550.11	3/4	178.20		
6	6	6	4,998.26	6	4,633.30	6	4,261.40	6	3,889.50	6	3,517.59	6	3,145.69	6	2,773.78	6	2,401.88	6	2,029.98	6	1,658.07	6	1,286.17	6	914.26	6	542.36	6	170.46		
1/4	1/4	1/4	4,991.87	1/4	4,625.56	1/4	4,253.65	1/4	3,881.75	1/4	3,509.84	1/4	3,137.94	1/4	2,766.04	1/4	2,394.13	1/4	2,022.23	1/4	1,650.32	1/4	1,278.42	1/4	906.52	1/4	534.61	1/4	162.71		
1/2	1/2	1/2	4,985.48	1/2	4,617.81	1/2	4,245.90	1/2	3,874.00	1/2	3,502.10	1/2	3,130.19	1/2	2,758.29	1/2	2,386.38	1/2	2,014.48	1/2	1,642.58	1/2	1,270.67	1/2	898.77	1/2	526.86	1/2	154.96		
3/4	3/4	3/4	4,979.09	3/4	4,610.06	3/4	4,238.16	3/4	3,866.25	3/4	3,494.35	3/4	3,122.44	3/4	2,750.54	3/4	2,378.64	3/4	2,006.73	3/4	1,634.83	3/4	1,262.92	3/4	891.02	3/4	519.12	3/4	147.21		
7	7	7	4,971.81	7	4,602.31	7	4,230.41	7	3,858.50	7	3,486.60	7	3,114.70	7	2,742.79	7	2,370.89	7	1,998.98	7	1,627.08	7	1,255.18	7	883.27	7	511.37	7	139.46		
1/4	1/4	1/4	4,964.53	1/4	4,594.56	1/4	4,222.66	1/4	3,850.76	1/4	3,478.85	1/4	3,106.95	1/4	2,735.04	1/4	2,363.14	1/4	1,991.24	1/4	1,619.33	1/4	1,247.43	1/4	875.52	1/4	503.62	1/4	131.72		
1/2	1/2	1/2	4,957.25	1/2	4,586.82	1/2	4,214.91	1/2	3,843.01	1/2	3,471.10	1/2	3,099.20	1/2	2,727.30	1/2	2,355.39	1/2	1,983.49	1/2	1,611.58	1/2	1,239.68	1/2	867.78	1/2	495.87	1/2	123.97		
3/4	3/4	3/4	4,949.97	3/4	4,579.07	3/4	4,207.16	3/4	3,835.26	3/4	3,463.36	3/4	3,091.45	3/4	2,719.55	3/4	2,347.64	3/4	1,975.74	3/4	1,603.84	3/4	1,231.93	3/4	860.03	3/4	488.12	3/4	116.22		
8	8	8	4,942.25	8	4,571.32	8	4,199.42	8	3,827.51	8	3,455.61	8	3,083.70	8	2,711.80	8	2,339.90	8	1,967.99	8	1,596.09	8	1,224.18	8	852.28	8	480.38	8	108.47		
1/4	1/4	1/4	4,934.53	1/4	4,563.57	1/4	4,191.67	1/4	3,819.76	1/4	3,447.86	1/4	3,075.96	1/4	2,704.05	1/4	2,332.15	1/4	1,960.24	1/4	1,588.34	1/4	1,216.44	1/4	844.53	1/4	472.63	1/4	100.72		
1/2	1/2	1/2	4,926.81	1/2	4,555.82	1/2	4,183.92	1/2	3,812.02	1/2	3,440.11	1/2	3,068.21	1/2	2,696.30	1/2	2,324.40	1/2	1,952.50	1/2	1,580.59	1/2	1,208.69	1/2	836.78	1/2	464.88	1/2	92.98		
3/4	3/4	3/4	4,919.09	3/4	4,548.08	3/4	4,176.17	3/4	3,804.27	3/4	3,432.36	3/4	3,060.46	3/4	2,688.56	3/4	2,316.65	3/4	1,944.75	3/4	1,572.84	3/4	1,200.94	3/4	829.04	3/4	457.13	3/4	85.23		
9	9	9	4,911.37	9	4,540.33	9	4,168.42	9	3,796.52	9	3,424.62	9	3,052.71	9	2,680.																



## BARGE "EMS-301" ENTERPRISE MARINE SERVICE OUTAGE TABLE

**TANK NO. 2  
STAR**

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

HULL NO. 4147

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.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	5,082.58	0	4,818.72	0	4,447.35	0	4,075.45	0	3,703.54	0	3,331.64	0	2,959.74	0	2,587.83	0	2,215.93	0	1,844.02	0	1,472.12	0	1,100.22	0	728.31	0	356.41			
1/4	1/4	5,081.50	1/4	4,811.00	1/4	4,439.60	1/4	4,067.70	1/4	3,695.80	1/4	3,323.89	1/4	2,951.99	1/4	2,580.08	1/4	2,208.18	1/4	1,836.28	1/4	1,464.37	1/4	1,092.47	1/4	720.56	1/4	348.66			
1/2	1/2	5,080.42	1/2	4,803.27	1/2	4,431.86	1/2	4,059.95	1/2	3,688.05	1/2	3,316.14	1/2	2,944.24	1/2	2,572.34	1/2	2,200.43	1/2	1,828.53	1/2	1,456.62	1/2	1,084.72	1/2	712.82	1/2	340.91			
3/4	3/4	5,079.35	3/4	4,795.55	3/4	4,424.11	3/4	4,052.20	3/4	3,680.30	3/4	3,308.40	3/4	2,936.49	3/4	2,564.59	3/4	2,192.68	3/4	1,820.78	3/4	1,448.88	3/4	1,076.97	3/4	705.07	3/4	333.16			
1	1	5,077.38	1	4,787.83	1	4,416.36	1	4,044.46	1	3,672.55	1	3,300.65	1	2,928.74	1	2,556.84	1	2,184.94	1	1,813.03	1	1,441.13	1	1,069.22	1	697.32	1	325.42			
1/4	1/4	5,075.42	1/4	4,780.11	1/4	4,408.61	1/4	4,036.71	1/4	3,664.80	1/4	3,292.90	1/4	2,921.00	1/4	2,549.09	1/4	2,177.19	1/4	1,805.28	1/4	1,433.38	1/4	1,061.48	1/4	689.57	1/4	317.67			
1/2	1/2	5,073.46	1/2	4,772.39	1/2	4,400.86	1/2	4,028.96	1/2	3,657.06	1/2	3,285.15	1/2	2,913.25	1/2	2,541.34	1/2	2,169.44	1/2	1,797.54	1/2	1,425.63	1/2	1,053.73	1/2	681.82	1/2	309.92			
3/4	3/4	5,071.49	3/4	4,764.67	3/4	4,393.12	3/4	4,021.21	3/4	3,649.31	3/4	3,277.40	3/4	2,905.50	3/4	2,533.60	3/4	2,161.69	3/4	1,789.79	3/4	1,417.88	3/4	1,045.98	3/4	674.08	3/4	302.17			
2	2	5,068.64	2	4,756.95	2	4,385.37	2	4,013.46	2	3,641.56	2	3,269.66	2	2,897.75	2	2,525.85	2	2,153.94	2	1,782.04	2	1,410.14	2	1,038.23	2	666.33	2	294.42			
1/4	1/4	5,065.80	1/4	4,749.23	1/4	4,377.62	1/4	4,005.72	1/4	3,633.81	1/4	3,261.91	1/4	2,890.00	1/4	2,518.10	1/4	2,146.20	1/4	1,774.29	1/4	1,402.39	1/4	1,030.48	1/4	658.58	1/4	286.68			
1/2	1/2	5,062.95	1/2	4,741.51	1/2	4,369.87	1/2	3,997.97	1/2	3,626.06	1/2	3,254.16	1/2	2,882.26	1/2	2,510.35	1/2	2,138.45	1/2	1,766.54	1/2	1,394.64	1/2	1,022.74	1/2	650.83	1/2	278.93			
3/4	3/4	5,060.10	3/4	4,733.79	3/4	4,362.12	3/4	3,990.22	3/4	3,618.32	3/4	3,246.41	3/4	2,874.51	3/4	2,502.60	3/4	2,130.70	3/4	1,758.80	3/4	1,386.89	3/4	1,014.99	3/4	643.08	3/4	271.18			
3	3	5,056.36	3	4,726.06	3	4,354.38	3	3,982.47	3	3,610.57	3	3,238.66	3	2,866.76	3	2,494.86	3	2,122.96	3	1,751.05	3	1,379.14	3	1,007.24	3	635.34	3	263.43			
1/4	1/4	5,052.63	1/4	4,718.34	1/4	4,346.63	1/4	3,974.72	1/4	3,602.82	1/4	3,230.92	1/4	2,859.01	1/4	2,487.11	1/4	2,115.20	1/4	1,743.30	1/4	1,371.40	1/4	999.49	1/4	627.59	1/4	255.68			
1/2	1/2	5,048.89	1/2	4,710.62	1/2	4,338.88	1/2	3,966.98	1/2	3,595.07	1/2	3,223.17	1/2	2,851.26	1/2	2,479.36	1/2	2,107.46	1/2	1,735.55	1/2	1,363.65	1/2	991.74	1/2	619.84	1/2	247.94			
3/4	3/4	5,045.16	3/4	4,702.90	3/4	4,331.13	3/4	3,959.23	3/4	3,587.32	3/4	3,215.42	3/4	2,843.52	3/4	2,471.61	3/4	2,099.71	3/4	1,727.80	3/4	1,355.90	3/4	984.00	3/4	612.09	3/4	240.19			
4	4	5,040.54	4	4,695.18	4	4,323.38	4	3,951.48	4	3,579.58	4	3,207.67	4	2,835.77	4	2,463.86	4	2,091.96	4	1,720.06	4	1,348.15	4	976.25	4	604.34	4	232.44			
1/4	1/4	5,035.92	1/4	4,687.46	1/4	4,315.64	1/4	3,943.73	1/4	3,571.83	1/4	3,199.92	1/4	2,828.02	1/4	2,456.12	1/4	2,084.21	1/4	1,712.31	1/4	1,340.40	1/4	968.50	1/4	596.60	1/4	224.69			
1/2	1/2	5,031.29	1/2	4,679.74	1/2	4,307.89	1/2	3,935.98	1/2	3,564.08	1/2	3,192.18	1/2	2,820.27	1/2	2,448.37	1/2	2,076.48	1/2	1,704.56	1/2	1,332.66	1/2	960.75	1/2	588.85	1/2	216.94			
3/4	3/4	5,026.67	3/4	4,672.02	3/4	4,300.14	3/4	3,928.24	3/4	3,556.33	3/4	3,184.43	3/4	2,812.52	3/4	2,440.62	3/4	2,068.72	3/4	1,696.81	3/4	1,324.91	3/4	953.00	3/4	581.10	3/4	209.20			
5	5	5,021.17	5	4,664.30	5	4,292.39	5	3,920.49	5	3,548.58	5	3,176.68	5	2,804.78	5	2,432.87	5	2,060.97	5	1,689.06	5	1,317.16	5	945.26	5	573.35	5	201.45			
1/4	1/4	5,015.66	1/4	4,656.55	1/4	4,284.64	1/4	3,912.74	1/4	3,540.84	1/4	3,168.93	1/4	2,797.03	1/4	2,425.12	1/4	2,053.22	1/4	1,681.32	1/4	1,309.41	1/4	937.51	1/4	565.60	1/4	193.70			
1/2	1/2	5,010.16	1/2	4,648.80	1/2	4,276.90	1/2	3,904.99	1/2	3,533.09	1/2	3,161.18	1/2	2,789.28	1/2	2,417.38	1/2	2,045.47	1/2	1,673.57	1/2	1,301.66	1/2	929.76	1/2	557.86	1/2	185.95			
3/4	3/4	5,004.65	3/4	4,641.05	3/4	4,269.15	3/4	3,897.24	3/4	3,525.34	3/4	3,153.44	3/4	2,781.53	3/4	2,409.63	3/4	2,037.72	3/4	1,665.82	3/4	1,293.92	3/4	922.01	3/4	550.11	3/4	178.20			
6	6	4,998.26	6	4,633.30	6	4,261.40	6	3,889.50	6	3,517.59	6	3,145.69	6	2,773.78	6	2,401.88	6	2,029.98	6	1,658.07	6	1,286.17	6	914.26	6	542.36	6	170.46			
1/4	1/4	4,991.87	1/4	4,625.56	1/4	4,253.65	1/4	3,881.75	1/4	3,509.84	1/4	3,137.94	1/4	2,766.04	1/4	2,394.13	1/4	2,022.23	1/4	1,650.32	1/4	1,278.42	1/4	906.52	1/4	534.61	1/4	162.71			
1/2	1/2	4,985.48	1/2	4,617.81	1/2	4,245.90	1/2	3,874.00	1/2	3,502.10	1/2	3,130.19	1/2	2,758.29	1/2	2,386.38	1/2	2,014.48	1/2	1,642.58	1/2	1,270.67	1/2	898.77	1/2	526.86	1/2	154.96			
3/4	3/4	4,979.09	3/4	4,610.06	3/4	4,238.16	3/4	3,866.25	3/4	3,494.35	3/4	3,122.44	3/4	2,750.54	3/4	2,378.64	3/4	2,006.73	3/4	1,634.83	3/4	1,262.92	3/4	891.02	3/4	519.12	3/4	147.21			
7	7	4,971.81	7	4,602.31	7	4,230.41	7	3,858.50	7	3,486.60	7	3,114.70	7	2,742.79	7	2,370.89	7	1,998.98	7	1,627.08	7	1,255.18	7	883.27	7	511.37	7	139.46			
1/4	1/4	4,964.53	1/4	4,594.56	1/4	4,222.66	1/4	3,850.76	1/4	3,478.85	1/4	3,106.95	1/4	2,735.04	1/4	2,363.14	1/4	1,991.24	1/4	1,619.33	1/4	1,247.43	1/4	875.52	1/4	503.62	1/4	131.72			
1/2	1/2	4,957.25	1/2	4,586.82	1/2	4,214.91	1/2	3,843.01	1/2	3,471.10	1/2	3,099.20	1/2	2,727.30	1/2	2,355.39	1/2	1,983.49	1/2	1,611.58	1/2	1,239.68	1/2	867.78	1/2	495.87	1/2	123.97			
3/4	3/4	4,949.97	3/4	4,579.07	3/4	4,207.16	3/4	3,835.26	3/4	3,463.36	3/4	3,091.45	3/4	2,719.55	3/4	2,347.64	3/4	1,975.74	3/4	1,603.84	3/4	1,231.93	3/4	860.03	3/4	488.12	3/4	116.22			
8	8	4,942.25	8	4,571.32	8	4,199.42	8	3,827.51	8	3,455.61	8	3,083.70	8	2,711.80	8	2,339.90	8	1,967.99	8	1,596.09	8	1,224.18	8	852.28	8	480.38	8	108.47			
1/4	1/4	4,934.53	1/4	4,563.57	1/4	4,191.67	1/4	3,819.76	1/4	3,447.86	1/4	3,075.96	1/4	2,704.05	1/4	2,332.15	1/4	1,960.24	1/4	1,588.34	1/4	1,216.44	1/4	844.53	1/4	472.63	1/4	100.72			
1/2	1/2	4,926.81	1/2	4,555.82	1/2	4,183.92	1/2	3,812.02	1/2	3,440.11	1/2	3,068.21	1/2	2,696.30	1/2	2,324.40	1/2	1,952.50	1/2	1,580.59	1/2	1,208.69	1/2	836.78	1/2	464.88	1/2	92.98			
3/4	3/4	4,919.09	3/4	4,548.08	3/4	4,176.17	3/4	3,804.27	3/4	3,432.36	3/4	3,060.46	3/4	2,688.56	3/4	2,316.65	3/4	1,944.75	3/4	1,572.84	3/4	1,200.94	3/4	829.04	3/4	457.13	3/4	85.23			
9	9	4,911.37	9	4,540.33	9	4,168.42	9	3,796.52	9	3,424.62	9	3,052.71	9	2,680.81	9	2,308.90	9	1,937.00	9	1,565.10	9	1,193.19	9	821.29	9	449.38	9	77.48			
1/4	1/4	4,903.65	1/4	4,532.58	1/4	4,160.68	1/4	3,788.77	1/4	3,416.87	1/4	3,044.96	1/4	2,673.06	1/4	2,301.16	1/4	1,929.25	1/4	1,557.35	1/4	1,185.44	1/4	813.54	1/4	441.64	1/4	69.73			
1/2	1/2	4,895.93	1/2	4,524.83	1/2	4,152.93	1/2	3,781.02	1/2	3,409.12	1/2	3,037.22	1/2	2,665.31	1/2	2,293.41	1/2	1,921.50	1/2	1,549.60	1/2	1,177.70	1/2	805.79	1/2	433.89	1/2	61.98			
3/4																															



## BARGE "EMS-301" ENTERPRISE MARINE SERVICE OUTAGE TABLE

**TANK NO. 3  
PORT**

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

HULL NO. 4147

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	4,419.77	0	4,262.23	0	4,034.29	0	3,805.76	0	3,577.24	0	3,333.26	0	2,965.17	0	2,593.55	0	2,221.94	0	1,850.32	0	1,478.71	0	1,107.09	0	735.47	0	363.86	
1/4	1/4	4,419.12	1/4	4,257.50	1/4	4,029.53	1/4	3,801.00	1/4	3,572.48	1/4	3,326.33	1/4	2,957.43	1/4	2,585.81	1/4	2,214.20	1/4	1,842.58	1/4	1,470.96	1/4	1,099.35	1/4	727.73	1/4	356.12	
1/2	1/2	4,418.47	1/2	4,252.77	1/2	4,024.77	1/2	3,796.24	1/2	3,567.71	1/2	3,319.40	1/2	2,949.69	1/2	2,578.07	1/2	2,206.45	1/2	1,834.84	1/2	1,463.22	1/2	1,091.61	1/2	719.99	1/2	348.37	
3/4	3/4	4,417.82	3/4	4,248.03	3/4	4,020.01	3/4	3,791.48	3/4	3,562.95	3/4	3,312.48	3/4	2,941.94	3/4	2,570.33	3/4	2,198.71	3/4	1,827.10	3/4	1,455.48	3/4	1,083.86	3/4	712.25	3/4	340.63	
1	1	4,417.17	1	4,243.30	1	4,015.25	1	3,786.72	1	3,558.19	1	3,305.00	1	2,934.20	1	2,562.59	1	2,190.97	1	1,819.35	1	1,447.74	1	1,076.12	1	704.51	1	332.89	
1/4	1/4	4,415.97	1/4	4,238.57	1/4	4,010.49	1/4	3,781.96	1/4	3,553.43	1/4	3,297.53	1/4	2,926.46	1/4	2,554.84	1/4	2,183.23	1/4	1,811.61	1/4	1,440.00	1/4	1,068.38	1/4	696.76	1/4	325.15	
1/2	1/2	4,414.77	1/2	4,233.84	1/2	4,005.73	1/2	3,777.20	1/2	3,548.67	1/2	3,290.06	1/2	2,918.72	1/2	2,547.10	1/2	2,175.49	1/2	1,803.87	1/2	1,432.25	1/2	1,060.64	1/2	689.02	1/2	317.41	
3/4	3/4	4,413.58	3/4	4,229.10	3/4	4,000.97	3/4	3,772.44	3/4	3,543.91	3/4	3,282.59	3/4	2,910.98	3/4	2,539.36	3/4	2,167.74	3/4	1,796.13	3/4	1,424.51	3/4	1,052.90	3/4	681.28	3/4	309.66	
2	2	4,412.38	2	4,224.37	2	3,996.20	2	3,767.68	2	3,539.15	2	3,274.85	2	2,903.23	2	2,531.62	2	2,160.00	2	1,788.39	2	1,416.77	2	1,045.15	2	673.54	2	301.92	
1/4	1/4	4,410.64	1/4	4,219.64	1/4	3,991.44	1/4	3,762.92	1/4	3,534.39	1/4	3,267.11	1/4	2,895.49	1/4	2,523.88	1/4	2,152.26	1/4	1,780.64	1/4	1,409.03	1/4	1,037.41	1/4	665.80	1/4	294.18	
1/2	1/2	4,408.90	1/2	4,214.90	1/2	3,986.68	1/2	3,758.15	1/2	3,529.63	1/2	3,259.37	1/2	2,887.75	1/2	2,516.13	1/2	2,144.52	1/2	1,772.90	1/2	1,401.29	1/2	1,029.67	1/2	658.05	1/2	286.44	
3/4	3/4	4,407.16	3/4	4,210.17	3/4	3,981.92	3/4	3,753.39	3/4	3,524.87	3/4	3,251.62	3/4	2,880.01	3/4	2,508.39	3/4	2,136.78	3/4	1,765.16	3/4	1,393.54	3/4	1,021.93	3/4	650.31	3/4	278.70	
3	3	4,405.42	3	4,205.44	3	3,977.16	3	3,748.63	3	3,520.10	3	3,243.88	3	2,872.27	3	2,500.65	3	2,129.03	3	1,757.42	3	1,385.80	3	1,014.19	3	642.57	3	270.95	
1/4	1/4	4,403.14	1/4	4,200.70	1/4	3,972.40	1/4	3,743.87	1/4	3,515.34	1/4	3,236.14	1/4	2,864.52	1/4	2,492.91	1/4	2,121.29	1/4	1,749.68	1/4	1,378.06	1/4	1,006.44	1/4	634.83	1/4	263.21	
1/2	1/2	4,400.85	1/2	4,195.97	1/2	3,967.64	1/2	3,739.11	1/2	3,510.58	1/2	3,228.40	1/2	2,856.78	1/2	2,485.17	1/2	2,113.55	1/2	1,741.93	1/2	1,370.32	1/2	998.70	1/2	627.09	1/2	255.47	
3/4	3/4	4,398.57	3/4	4,191.24	3/4	3,962.88	3/4	3,734.35	3/4	3,505.82	3/4	3,220.66	3/4	2,849.04	3/4	2,477.42	3/4	2,105.81	3/4	1,734.19	3/4	1,362.58	3/4	990.96	3/4	619.34	3/4	247.73	
4	4	4,396.28	4	4,186.51	4	3,958.12	4	3,729.59	4	3,501.06	4	3,212.91	4	2,841.30	4	2,469.68	4	2,098.07	4	1,726.45	4	1,354.83	4	983.22	4	611.60	4	239.99	
1/4	1/4	4,393.45	1/4	4,181.77	1/4	3,953.36	1/4	3,724.83	1/4	3,496.30	1/4	3,205.17	1/4	2,833.56	1/4	2,461.94	1/4	2,090.32	1/4	1,718.71	1/4	1,347.09	1/4	975.48	1/4	603.86	1/4	232.24	
1/2	1/2	4,390.62	1/2	4,177.04	1/2	3,948.59	1/2	3,720.07	1/2	3,491.54	1/2	3,197.43	1/2	2,825.81	1/2	2,454.20	1/2	2,082.58	1/2	1,710.92	1/2	1,339.35	1/2	967.73	1/2	596.12	1/2	224.50	
3/4	3/4	4,387.79	3/4	4,172.31	3/4	3,943.83	3/4	3,715.31	3/4	3,486.78	3/4	3,189.69	3/4	2,818.07	3/4	2,446.46	3/4	2,074.84	3/4	1,703.22	3/4	1,331.61	3/4	959.99	3/4	588.38	3/4	216.76	
5	5	4,384.97	5	4,167.57	5	3,939.07	5	3,710.54	5	3,482.02	5	3,181.95	5	2,810.33	5	2,438.71	5	2,067.10	5	1,695.48	5	1,323.87	5	952.25	5	580.63	5	209.02	
1/4	1/4	4,381.59	1/4	4,162.84	1/4	3,934.31	1/4	3,705.78	1/4	3,477.26	1/4	3,174.20	1/4	2,802.59	1/4	2,430.97	1/4	2,059.36	1/4	1,687.74	1/4	1,316.12	1/4	944.51	1/4	572.89	1/4	201.28	
1/2	1/2	4,378.22	1/2	4,158.08	1/2	3,929.55	1/2	3,701.02	1/2	3,472.49	1/2	3,166.46	1/2	2,794.85	1/2	2,423.23	1/2	2,051.61	1/2	1,680.00	1/2	1,308.38	1/2	936.77	1/2	565.15	1/2	193.53	
3/4	3/4	4,374.85	3/4	4,153.32	3/4	3,924.79	3/4	3,696.26	3/4	3,467.73	3/4	3,158.72	3/4	2,787.10	3/4	2,415.49	3/4	2,043.87	3/4	1,672.26	3/4	1,300.64	3/4	929.02	3/4	557.41	3/4	185.79	
6	6	4,371.47	6	4,148.56	6	3,920.03	6	3,691.50	6	3,462.97	6	3,150.98	6	2,779.36	6	2,407.75	6	2,036.13	6	1,664.51	6	1,292.90	6	921.28	6	549.67	6	178.05	
1/4	1/4	4,367.56	1/4	4,143.80	1/4	3,915.27	1/4	3,686.74	1/4	3,458.21	1/4	3,143.24	1/4	2,771.62	1/4	2,400.00	1/4	2,028.39	1/4	1,656.77	1/4	1,285.16	1/4	913.54	1/4	541.92	1/4	170.31	
1/2	1/2	4,363.64	1/2	4,139.03	1/2	3,910.51	1/2	3,681.98	1/2	3,453.45	1/2	3,135.49	1/2	2,763.88	1/2	2,392.26	1/2	2,020.65	1/2	1,649.03	1/2	1,277.41	1/2	905.80	1/2	534.18	1/2	162.57	
3/4	3/4	4,359.72	3/4	4,134.27	3/4	3,905.75	3/4	3,677.22	3/4	3,448.69	3/4	3,127.75	3/4	2,756.14	3/4	2,384.52	3/4	2,012.90	3/4	1,641.29	3/4	1,269.67	3/4	898.06	3/4	526.44	3/4	154.82	
7	7	4,355.81	7	4,129.51	7	3,900.98	7	3,672.46	7	3,443.93	7	3,120.01	7	2,748.39	7	2,376.78	7	2,005.16	7	1,633.55	7	1,261.93	7	890.31	7	518.70	7	147.08	
1/4	1/4	4,351.34	1/4	4,124.75	1/4	3,896.22	1/4	3,667.70	1/4	3,439.17	1/4	3,112.27	1/4	2,740.65	1/4	2,369.04	1/4	1,997.42	1/4	1,625.80	1/4	1,254.19	1/4	882.57	1/4	510.96	1/4	139.34	
1/2	1/2	4,346.88	1/2	4,119.99	1/2	3,891.46	1/2	3,662.93	1/2	3,434.41	1/2	3,104.53	1/2	2,732.91	1/2	2,361.29	1/2	1,989.68	1/2	1,618.06	1/2	1,246.45	1/2	874.83	1/2	503.21	1/2	131.60	
3/4	3/4	4,342.42	3/4	4,115.23	3/4	3,886.70	3/4	3,658.17	3/4	3,429.65	3/4	3,096.78	3/4	2,725.17	3/4	2,353.55	3/4	1,981.94	3/4	1,610.32	3/4	1,238.70	3/4	867.09	3/4	495.47	3/4	123.86	
8	8	4,337.96	8	4,110.47	8	3,881.94	8	3,653.41	8	3,424.88	8	3,089.04	8	2,717.43	8	2,345.81	8	1,974.19	8	1,602.58	8	1,230.96	8	859.35	8	487.73	8	116.11	
1/4	1/4	4,333.23	1/4	4,105.71	1/4	3,877.18	1/4	3,648.65	1/4	3,420.12	1/4	3,081.30	1/4	2,709.68	1/4	2,338.07	1/4	1,966.45	1/4	1,594.84	1/4	1,223.22	1/4	851.60	1/4	479.99	1/4	108.37	
1/2	1/2	4,328.50	1/2	4,100.95	1/2	3,872.42	1/2	3,643.89	1/2	3,415.23	1/2	3,073.56	1/2	2,701.94	1/2	2,330.33	1/2	1,958.71	1/2	1,587.09	1/2	1,215.48	1/2	843.86	1/2	472.25	1/2	100.63	
3/4	3/4	4,323.76	3/4	4,096.19	3/4	3,867.66	3/4	3,639.13	3/4	3,410.33	3/4	3,065.82	3/4	2,694.20	3/4	2,322.58	3/4	1,950.97	3/4	1,579.35	3/4	1,207.74	3/4	836.12	3/4	464.50	3/4	92.89	
9	9	4,319.03	9	4,091.42	9	3,862.90	9	3,634.37	9	3,405.03	9	3,058.07	9	2,686.46	9	2,314.84	9	1,943.23	9	1,571.61	9	1,199.99	9	828.38	9	456.76	9	85.15	
1/4	1/4	4,314.30	1/4	4,086.66	1/4	3,858.14	1/4	3,629.61	1/4	3,399.73	1/4	3,050.33	1/4	2,678.72	1/4	2,307.10	1/4	1,935.48	1/4	1,563.87	1/4	1,192.25	1/4	820.64	1/4	449.02	1/4	77.40	
1/2	1/2	4,309.56	1/2	4,081.90	1/2	3,853.37	1/2	3,624.85	1/2	3,394.42	1/2	3,042.59	1/2	2,670.97	1/2	2,299.36	1/2	1,927.74	1/2	1,556.13	1/2	1,184.51	1/2	812.89	1/2	441.28	1/2	69.66	
3/4	3/4	4,304.83	3/4	4,077.14	3/4	3,848.61	3/4	3,620.09	3/4	3,389.12	3/4	3,034.85	3/4	2,663.23	3/4	2,291.62	3/4	1,920.00	3/4	1,549.38	3								



## BARGE "EMS-301" ENTERPRISE MARINE SERVICE OUTAGE TABLE

**TANK NO. 3  
STAR**

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

HULL NO. 4147

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.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	4,419.43	0	4,266.16	0	4,037.78	0	3,809.40	0	3,581.01	0	3,339.34	0	2,972.16	0	2,600.64	0	2,229.12	0	1,857.60	0	1,486.08	0	1,114.56	0	743.04	0	371.52		
1/4	1/4	1/4	4,419.25	1/4	4,261.41	1/4	4,033.02	1/4	3,804.64	1/4	3,576.25	1/4	3,332.42	1/4	2,964.42	1/4	2,592.90	1/4	2,221.38	1/4	1,849.86	1/4	1,478.34	1/4	1,106.82	1/4	735.30	1/4	363.78		
1/2	1/2	1/2	4,418.61	1/2	4,256.65	1/2	4,028.26	1/2	3,799.88	1/2	3,571.50	1/2	3,325.49	1/2	2,956.68	1/2	2,585.16	1/2	2,213.64	1/2	1,842.12	1/2	1,470.60	1/2	1,099.08	1/2	727.56	1/2	356.04		
3/4	3/4	3/4	4,417.96	3/4	4,251.89	3/4	4,023.51	3/4	3,795.12	3/4	3,566.74	3/4	3,318.56	3/4	2,948.94	3/4	2,577.42	3/4	2,205.90	3/4	1,834.38	3/4	1,462.86	3/4	1,091.34	3/4	719.82	3/4	348.30		
1	1	1	4,417.31	1	4,247.13	1	4,018.75	1	3,790.36	1	3,561.98	1	3,311.64	1	2,941.20	1	2,569.68	1	2,198.16	1	1,826.64	1	1,455.12	1	1,083.60	1	712.08	1	340.56		
1/4	1/4	1/4	4,416.66	1/4	4,242.37	1/4	4,013.99	1/4	3,785.61	1/4	3,557.22	1/4	3,304.17	1/4	2,933.46	1/4	2,561.94	1/4	2,190.42	1/4	1,818.90	1/4	1,447.38	1/4	1,075.86	1/4	704.34	1/4	332.82		
1/2	1/2	1/2	4,415.47	1/2	4,237.62	1/2	4,009.23	1/2	3,780.85	1/2	3,552.46	1/2	3,296.70	1/2	2,925.72	1/2	2,554.20	1/2	2,182.68	1/2	1,811.16	1/2	1,439.64	1/2	1,068.12	1/2	696.60	1/2	325.08		
3/4	3/4	3/4	4,414.27	3/4	4,232.86	3/4	4,004.47	3/4	3,776.09	3/4	3,547.71	3/4	3,289.23	3/4	2,917.98	3/4	2,546.46	3/4	2,174.94	3/4	1,803.42	3/4	1,431.90	3/4	1,060.38	3/4	688.86	3/4	317.34		
2	2	2	4,413.08	2	4,228.10	2	3,999.72	2	3,771.33	2	3,542.95	2	3,281.76	2	2,910.24	2	2,538.72	2	2,167.20	2	1,795.68	2	1,424.16	2	1,052.64	2	681.12	2	309.60		
1/4	1/4	1/4	4,411.89	1/4	4,223.34	1/4	3,994.96	1/4	3,766.57	1/4	3,538.19	1/4	3,274.02	1/4	2,902.50	1/4	2,530.98	1/4	2,159.46	1/4	1,787.94	1/4	1,416.42	1/4	1,044.90	1/4	673.38	1/4	301.86		
1/2	1/2	1/2	4,410.15	1/2	4,218.58	1/2	3,990.20	1/2	3,761.82	1/2	3,533.43	1/2	3,266.28	1/2	2,894.76	1/2	2,523.24	1/2	2,151.72	1/2	1,780.20	1/2	1,408.68	1/2	1,037.16	1/2	665.64	1/2	294.12		
3/4	3/4	3/4	4,408.41	3/4	4,213.83	3/4	3,985.44	3/4	3,757.06	3/4	3,528.67	3/4	3,258.54	3/4	2,887.02	3/4	2,515.50	3/4	2,143.98	3/4	1,772.46	3/4	1,400.94	3/4	1,029.42	3/4	657.90	3/4	286.38		
3	3	3	4,406.68	3	4,209.07	3	3,980.68	3	3,752.30	3	3,523.92	3	3,250.80	3	2,879.28	3	2,507.76	3	2,136.24	3	1,764.72	3	1,393.20	3	1,021.68	3	650.16	3	278.64		
1/4	1/4	1/4	4,404.94	1/4	4,204.31	1/4	3,975.93	1/4	3,747.54	1/4	3,519.16	1/4	3,243.06	1/4	2,871.54	1/4	2,500.02	1/4	2,128.50	1/4	1,756.98	1/4	1,385.46	1/4	1,013.94	1/4	642.42	1/4	270.90		
1/2	1/2	1/2	4,402.66	1/2	4,199.55	1/2	3,971.17	1/2	3,742.78	1/2	3,514.40	1/2	3,235.32	1/2	2,863.80	1/2	2,492.28	1/2	2,120.76	1/2	1,749.24	1/2	1,377.72	1/2	1,006.20	1/2	634.68	1/2	263.16		
3/4	3/4	3/4	4,400.37	3/4	4,194.79	3/4	3,966.41	3/4	3,738.03	3/4	3,509.64	3/4	3,227.58	3/4	2,856.06	3/4	2,484.54	3/4	2,113.02	3/4	1,741.50	3/4	1,369.98	3/4	998.46	3/4	626.94	3/4	255.42		
4	4	4	4,398.09	4	4,190.04	4	3,961.65	4	3,733.27	4	3,504.88	4	3,219.84	4	2,848.32	4	2,476.80	4	2,105.28	4	1,733.76	4	1,362.24	4	990.72	4	619.20	4	247.68		
1/4	1/4	1/4	4,395.81	1/4	4,185.28	1/4	3,956.89	1/4	3,725.51	1/4	3,500.13	1/4	3,212.10	1/4	2,840.58	1/4	2,469.06	1/4	2,097.54	1/4	1,726.02	1/4	1,354.50	1/4	982.98	1/4	611.46	1/4	239.94		
1/2	1/2	1/2	4,392.98	1/2	4,180.52	1/2	3,952.14	1/2	3,723.75	1/2	3,495.37	1/2	3,204.36	1/2	2,832.84	1/2	2,461.32	1/2	2,089.80	1/2	1,718.28	1/2	1,346.76	1/2	975.24	1/2	603.72	1/2	232.20		
3/4	3/4	3/4	4,390.16	3/4	4,175.76	3/4	3,947.38	3/4	3,718.99	3/4	3,490.61	3/4	3,196.62	3/4	2,825.10	3/4	2,453.58	3/4	2,082.06	3/4	1,710.54	3/4	1,339.02	3/4	967.50	3/4	595.98	3/4	224.46		
5	5	5	4,387.33	5	4,171.00	5	3,942.62	5	3,714.24	5	3,485.85	5	3,188.88	5	2,817.36	5	2,445.84	5	2,074.32	5	1,702.80	5	1,331.28	5	959.76	5	588.24	5	216.72		
1/4	1/4	1/4	4,384.51	1/4	4,166.25	1/4	3,937.86	1/4	3,709.48	1/4	3,481.09	1/4	3,181.14	1/4	2,809.62	1/4	2,438.10	1/4	2,066.58	1/4	1,695.06	1/4	1,323.54	1/4	952.02	1/4	580.50	1/4	208.98		
1/2	1/2	1/2	4,381.14	1/2	4,161.49	1/2	3,932.10	1/2	3,704.72	1/2	3,476.34	1/2	3,173.40	1/2	2,801.88	1/2	2,430.36	1/2	2,058.84	1/2	1,687.32	1/2	1,315.80	1/2	944.28	1/2	572.76	1/2	201.24		
3/4	3/4	3/4	4,377.77	3/4	4,156.73	3/4	3,928.35	3/4	3,699.96	3/4	3,471.58	3/4	3,165.66	3/4	2,794.14	3/4	2,422.62	3/4	2,051.10	3/4	1,679.58	3/4	1,308.06	3/4	936.54	3/4	565.02	3/4	193.50		
6	6	6	4,374.40	6	4,151.97	6	3,923.59	6	3,695.20	6	3,466.82	6	3,157.92	6	2,786.40	6	2,414.88	6	2,043.36	6	1,671.84	6	1,300.32	6	928.80	6	557.28	6	185.76		
1/4	1/4	1/4	4,371.03	1/4	4,147.21	1/4	3,918.83	1/4	3,690.45	1/4	3,462.06	1/4	3,150.18	1/4	2,778.66	1/4	2,407.14	1/4	2,035.62	1/4	1,664.10	1/4	1,292.58	1/4	921.06	1/4	549.54	1/4	178.02		
1/2	1/2	1/2	4,367.11	1/2	4,142.46	1/2	3,914.07	1/2	3,685.69	1/2	3,457.30	1/2	3,142.44	1/2	2,770.92	1/2	2,399.40	1/2	2,027.88	1/2	1,656.36	1/2	1,284.84	1/2	913.32	1/2	541.80	1/2	170.28		
3/4	3/4	3/4	4,363.20	3/4	4,137.70	3/4	3,909.31	3/4	3,680.93	3/4	3,452.55	3/4	3,134.70	3/4	2,763.18	3/4	2,391.66	3/4	2,020.14	3/4	1,648.62	3/4	1,277.10	3/4	905.58	3/4	534.06	3/4	162.54		
7	7	7	4,359.28	7	4,132.94	7	3,904.56	7	3,676.17	7	3,447.79	7	3,126.96	7	2,755.44	7	2,383.92	7	2,012.40	7	1,640.88	7	1,269.36	7	897.84	7	526.32	7	154.80		
1/4	1/4	1/4	4,355.37	1/4	4,128.18	1/4	3,899.80	1/4	3,671.41	1/4	3,443.03	1/4	3,119.22	1/4	2,747.70	1/4	2,376.18	1/4	2,004.66	1/4	1,633.14	1/4	1,261.62	1/4	890.10	1/4	518.58	1/4	147.06		
1/2	1/2	1/2	4,350.91	1/2	4,123.42	1/2	3,895.04	1/2	3,666.66	1/2	3,438.27	1/2	3,111.48	1/2	2,739.96	1/2	2,368.44	1/2	1,996.92	1/2	1,625.40	1/2	1,253.88	1/2	882.36	1/2	510.84	1/2	139.32		
3/4	3/4	3/4	4,346.45	3/4	4,118.67	3/4	3,890.28	3/4	3,661.90	3/4	3,433.51	3/4	3,103.74	3/4	2,732.22	3/4	2,360.70	3/4	1,989.18	3/4	1,617.66	3/4	1,246.14	3/4	874.62	3/4	503.10	3/4	131.58		
8	8	8	4,341.99	8	4,113.91	8	3,885.52	8	3,657.14	8	3,428.76	8	3,096.00	8	2,724.48	8	2,352.96	8	1,981.44	8	1,609.92	8	1,238.40	8	866.88	8	495.36	8	123.84		
1/4	1/4	1/4	4,337.53	1/4	4,109.15	1/4	3,880.77	1/4	3,652.38	1/4	3,424.00	1/4	3,088.26	1/4	2,716.74	1/4	2,345.22	1/4	1,973.70	1/4	1,602.18	1/4	1,230.66	1/4	859.14	1/4	487.62	1/4	116.10		
1/2	1/2	1/2	4,332.78	1/2	4,104.39	1/2	3,876.01	1/2	3,647.62	1/2	3,419.24	1/2	3,080.52	1/2	2,709.00	1/2	2,337.48	1/2	1,965.96	1/2	1,594.44	1/2	1,222.92	1/2	851.40	1/2	479.88	1/2	108.36		
3/4	3/4	3/4	4,328.02	3/4	4,099.63	3/4	3,871.25	3/4	3,642.87	3/4	3,414.35	3/4	3,072.78	3/4	2,701.26	3/4	2,329.74	3/4	1,958.22	3/4	1,586.70	3/4	1,215.18	3/4	843.66	3/4	472.14	3/4	100.62		
9	9	9	4,323.26	9	4,094.88	9	3,866.49	9	3,638.11	9	3,409.45																				