FORM 1/4L15W REV #2 7/96

INSPECTORATE
ISO 9002 ACCREDITED

BARGE "EMS 304"
Enterprise Marine Services LLC

OUTAGE TABLE

1 PORT

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

HULL NO. 4150

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.
0		0	5,007.77	0	4,747.81	0	4,381.92	0	4,015.48	0	3,649.05	0	3,282.62	0	2,916.19	0	2,549.76	0	2,183.32	0	1,816.89	0	1,450.46	0	1,084.03	0	717.60	0	351.16
1/4		1/4	5,006.71	1/4	4,740.20	1/4	4,374.28	1/4	4,007.85	1/4	3,641.42	1/4	3,274.99	1/4	2,908.55	1/4	2,542.12	1/4	2,175.69	1/4	1,809.26	1/4	1,442.83	1/4	1,076.39	1/4	709.96	1/4	343.53
1/2		1/2	5,005.65	1/2	4,732.59	1/2	4,366.65	1/2	4,000.22	1/2	3,633.78	1/2	3,267.35	1/2	2,900.92	1/2	2,534.49	1/2	2,168.06	1/2	1,801.62	1/2	1,435.19	1/2	1,068.76	1/2	702.33	1/2	335.90
3/4		3/4	5,004.58	3/4	4,724.99	3/4	4,359.01	3/4	3,992.58	3/4	3,626.15	3/4	3,259.72	3/4	2,893.29	3/4	2,526.85	3/4	2,160.42	3/4	1,793.99	3/4	1,427.56	3/4	1,061.13	3/4	694.69	3/4	328.26
1		1	5,002.65	1	4,717.38	1	4,351.38	1	3,984.95	1	3,618.52	1	3,252.08	1	2,885.65	1	2,519.22	1	2,152.79	1	1,786.36	1	1,419.92	1	1,053.49	1	687.06	1	320.63
1/4		1/4	5,000.72	1/4	4,709.77	1/4	4,343.75	1/4	3,977.31	1/4	3,610.88	1/4	3,244.45	1/4	2,878.02	1/4	2,511.59	1/4	2,145.15	1/4	1,778.72	1/4	1,412.29	1/4	1,045.86	1/4	679.43	1/4	312.99
1/2		1/2	4,998.78	1/2	4,702.17	1/2	4,336.11	1/2	3,969.68	1/2	3,603.25	1/2	3,236.82	1/2	2,870.38	1/2	2,503.95	1/2	2,137.52	1/2	1,771.09	1/2	1,404.66	1/2	1,038.22	1/2	671.79	1/2	305.36
3/4		3/4	4,996.85	3/4	4,694.56	3/4	4,328.48	3/4	3,962.05	3/4	3,595.61	3/4	3,229.18	3/4	2,862.75	3/4	2,496.32	3/4	2,129.89	3/4	1,763.45	3/4	1,397.02	3/4	1,030.59	3/4	664.16	3/4	297.73
2		2	4,994.04	2	4,686.95	2	4,320.84	2	3,954.41	2	3,587.98	2	3,221.55	2	2,855.12	2	2,488.68	2	2,122.25	2	1,755.82	2	1,389.39	2	1,022.96	2	656.52	2	290.09
1/4		1/4	4,991.23	1/4	4,679.35	1/4	4,313.21	1/4	3,946.78	1/4	3,580.35	1/4	3,213.91	1/4	2,847.48	1/4	2,481.05	1/4	2,114.62	1/4	1,748.19	1/4	1,381.75	1/4	1,015.32	1/4	648.89	1/4	282.46
1/2		1/2	4,988.43	1/2	4,671.74	1/2	4,305.58	1/2	3,939.14	1/2	3,572.71	1/2	3,206.28	1/2	2,839.85	1/2	2,473.42	1/2	2,106.98	1/2	1,740.55	1/2	1,374.12	1/2	1,007.69	1/2	641.26	1/2	274.82
3/4		3/4	4,985.62	3/4	4,664.13	3/4	4,297.94	3/4	3,931.51	3/4	3,565.08	3/4	3,198.65	3/4	2,832.21	3/4	2,465.78	3/4	2,099.35	3/4	1,732.92	3/4	1,366.49	3/4	1,000.05	3/4	633.62	3/4	267.19
3		3	4,981.94	3	4,656.52	3	4,290.31	3	3,923.88	3	3,557.44	3	3,191.01	3	2,824.58	3	2,458.15	3	2,091.72	3	1,725.28	3	1,358.85	3	992.42	3	625.99	3	259.56
1/4		1/4	4,978.26	1/4	4,648.92	1/4	4,282.67	1/4	3,916.24	1/4	3,549.81	1/4	3,183.38	1/4	2,816.95	1/4	2,450.51	1/4	2,084.08	1/4	1,717.65	1/4	1,351.22	1/4	984.79	1/4	618.35	1/4	251.92
1/2		1/2	4,974.58	1/2	4,641.31	1/2	4,275.04	1/2	3,908.61	1/2	3,542.18	1/2	3,175.74	1/2	2,809.31	1/2	2,442.88	1/2	2,076.45	1/2	1,710.02	1/2	1,343.58	1/2	977.15	1/2	610.72	1/2	244.29
3/4		3/4	4,970.90	3/4	4,633.70	3/4	4,267.41	3/4	3,900.97	3/4	3,534.54	3/4	3,168.11	3/4	2,801.68	3/4	2,435.25	3/4	2,068.81	3/4	1,702.38	3/4	1,335.95	3/4	969.52	3/4	603.09	3/4	236.65
4		4	4,966.35	4	4,626.10	4	4,259.77	4	3,893.34	4	3,526.91	4	3,160.48	4	2,794.04	4	2,427.61	4	2,061.18	4	1,694.75	4	1,328.32	4	961.88	4	595.45	4	229.02
1/4		1/4	4,961.80	1/4	4,618.49	1/4	4,252.14	1/4	3,885.71	1/4	3,519.27	1/4	3,152.84	1/4	2,786.41	1/4	2,419.98	1/4	2,053.55	1/4	1,687.11	1/4	1,320.68	1/4	954.25	1/4	587.82	1/4	221.39
1/2		1/2	4,957.25	1/2	4,610.88	1/2	4,244.50	1/2	3,878.07	1/2	3,511.64	1/2	3,145.21	1/2	2,778.78	1/2	2,412.34	1/2	2,045.91	1/2	1,679.48	1/2	1,313.05	1/2	946.62	1/2	580.18	1/2	213.75
3/4		3/4	4,952.70	3/4	4,603.28	3/4	4,236.87	3/4	3,870.44	3/4	3,504.01	3/4	3,137.57	3/4	2,771.14	3/4	2,404.71	3/4	2,038.28	3/4	1,671.85	3/4	1,305.41	3/4	938.98	3/4	572.55	3/4	206.12
5		5	4,947.27	5	4,595.67	5	4,229.24	5	3,862.80	5	3,496.37	5	3,129.94	5	2,763.51	5	2,397.08	5	2,030.64	5	1,664.21	5	1,297.78	5	931.35	5	564.92	5	198.48
1/4		1/4	4,941.85	1/4	4,588.03	1/4	4,221.60	1/4	3,855.17	1/4	3,488.74	1/4	3,122.31	1/4	2,755.87	1/4	2,389.44	1/4	2,023.01	1/4	1,656.58	1/4	1,290.15	1/4	923.71	1/4	557.28	1/4	190.85
1/2		1/2	4,936.42	1/2	4,580.40	1/2	4,213.97	1/2	3,847.54	1/2	3,481.10	1/2	3,114.67	1/2	2,748.24	1/2	2,381.81	1/2	2,015.38	1/2	1,648.94	1/2	1,282.51	1/2	916.08	1/2	549.65	1/2	183.22
3/4		3/4	4,931.00	3/4	4,572.77	3/4	4,206.33	3/4	3,839.90	3/4	3,473.47	3/4	3,107.04	3/4	2,740.61	3/4	2,374.17	3/4	2,007.74	3/4	1,641.31	3/4	1,274.88	3/4	908.45	3/4	542.01	3/4	175.58
6		6	4,924.70	6	4,565.13	6	4,198.70	6	3,832.27	6	3,465.84	6	3,099.40	6	2,732.97	6	2,366.54	6	2,000.11	6	1,633.68	6	1,267.24	6	900.81	6	534.38	6	167.95
1/4		1/4	4,918.40	1/4	4,557.50	1/4	4,191.07	1/4	3,824.63	1/4	3,458.20	1/4	3,091.77	1/4	2,725.34	1/4	2,358.91	1/4	1,992.47	1/4	1,626.04	1/4	1,259.61	1/4	893.18	1/4	526.75	1/4	160.31
1/2		1/2	4,912.10	1/2	4,549.86	1/2	4,183.43	1/2	3,817.00	1/2	3,450.57	1/2	3,084.14	1/2	2,717.70	1/2	2,351.27	1/2	1,984.84	1/2	1,618.41	1/2	1,251.98	1/2	885.54	1/2	519.11	1/2	152.68
3/4		3/4	4,905.81	3/4	4,542.23	3/4	4,175.80	3/4	3,809.37	3/4	3,442.93	3/4	3,076.50	3/4	2,710.07	3/4	2,343.64	3/4	1,977.21	3/4	1,610.77	3/4	1,244.34	3/4	877.91	3/4	511.48	3/4	145.05
7		7	4,898.64	7	4,534.60	7	4,168.16	7	3,801.73	7	3,435.30	7	3,068.87	7	2,702.44	7	2,336.00	7	1,969.57	7	1,603.14	7	1,236.71	7	870.28	7	503.84	7	137.41
1/4		1/4	4,891.47	1/4	4,526.96	1/4	4,160.53	1/4	3,794.10	1/4	3,427.67	1/4	3,061.23	1/4	2,694.80	1/4	2,328.37	1/4	1,961.94	1/4	1,595.51	1/4	1,229.07	1/4	862.64	1/4	496.21	1/4	129.78
1/2		1/2	4,884.30	1/2	4,519.33	1/2	4,152.90	1/2	3,786.46	1/2	3,420.03	1/2	3,053.60	1/2	2,687.17	1/2	2,320.74	1/2	1,954.30	1/2	1,587.87	1/2	1,221.44	1/2	855.01	1/2	488.58	1/2	122.14
3/4		3/4	4,877.13	3/4	4,511.69	3/4	4,145.26	3/4	3,778.83	3/4	3,412.40	3/4	3,045.97	3/4	2,679.53	3/4	2,313.10	3/4	1,946.67	3/4	1,580.24	3/4	1,213.81	3/4	847.37	3/4	480.94	3/4	114.51
8		8	4,869.52	8	4,504.06	8	4,137.63	8	3,771.20	8	3,404.76	8	3,038.33	8	2,671.90	8	2,305.47	8	1,939.04	8	1,572.60	8	1,206.17	8	839.74	8	473.31	8	106.88
1/4		1/4	4,861.91	1/4	4,496.43	1/4	4,129.99	1/4	3,763.56	1/4	3,397.13	1/4	3,030.70	1/4	2,664.27	1/4	2,297.83	1/4	1,931.40	1/4	1,564.97	1/4	1,198.54	1/4	832.11	1/4	465.67	1/4	99.24
1/2		1/2	4,854.31	1/2	4,488.79	1/2	4,122.36	1/2	3,755.93	1/2	3,389.50	1/2	3,023.06	1/2	2,656.63	1/2	2,290.20	1/2	1,923.77	1/2	1,557.34	1/2	1,190.90	1/2	824.47	1/2	458.04	1/2	91.61
3/4		3/4	4,846.70	3/4	4,481.16	3/4	4,114.73	3/4	3,748.29	3/4	3,381.86	3/4	3,015.43	3/4	2,649.00	3/4	2,282.57	3/4	1,916.13	3/4	1,549.70	3/4	1,183.27	3/4	816.84	3/4	450.41	3/4	83.97
9		9	4,839.09	9	4,473.52	9	4,107.09	9	3,740.66	9	3,374.23	9	3,007.80	9	2,641.36	9	2,274.93	9	1,908.50	9	1,542.07	9	1,175.64	9	809.20	9	442.77	9	76.34
1/4		1/4	4,831.49	1/4	4,465.89	1/4	4,099.46	1/4	3,733.03	1/4	3,366.59	1/4	3,000.16	1/4	2,633.73	1/4	2,267.30	1/4	1,900.87	1/4	1,534.43	1/4	1,168.00	1/4	801.57	1/4	435.14	1/4	68.71
1/2		1/2	4,823.88	1/2	4,458.26	1/2	4,091.82	1/2	3,725.39	1/2	3,358.96	1/2	2,992.53	1/2	2,626.10	1/2	2,259.66	1/2	1,893.23	1/2	1,526.80	1/2	1,160.37	1/2	793.94	1/2	427.50	1/2	61.07
3/4		3/4	4,816.27	3/4	4,450.62	3/4	4,084.19	3/4	3,717.76	3/4	3,351.33	3/4	2,984.89	3/4	2,618.46	3/4	2,252.03	3/4	1,885.60	3/4	1,519.17	3/4	1,152.73	3/4	786.30	3/4	419.87	3/4	54.39
10		10	4,808.66	10	4,442.99	10	4,076.56	10	3,710.12	10	3,343.69	10	2,977.26	10	2,610.83	10	2,244.40	10	1,877.96	10	1,511.53	10	1,145.10	10	778.67	10	412.24	10	47.71
1/4		1/4	4,801.06	1/4	4,435.35	1/4	4,068.92	1/4	3,702.49	1/4	3,336.06	1/4	2,969.63	1/4	2,603.19	1/4	2,236.76	1/4	1,870.33	1/4	1,503.90	1/4	1,137.47	1/4	771.03	1/4	404.60	1/4	41.03
1/2		1/2	4,793.45	1/2	4,427.72	1/2	4,061.29	1/2	3,694.86	1/2	3,328.42	1/2	2,961.99	1/2	2,595.56	1/2	2,229.13	1/2	1,862.70	1/2	1,496.26	1/2	1,129.83	1/2	763.40	1/2	396.97	1/2	34.36
3/4		3/4	4,785.84	3/4	4,420.09	3/4	4,053.65	3/4	3,687.22	3/4	3,320.79	3/4	2,954.36	3/4	2,587.93	3/4	2,221.49	3/4	1,855.06	3/4	1,488.63	3/4	1,122.20	3/4	755.77	3/4	389.33	3/4	29.59
11	5,009.73	11	4,778.24	11	4,412.45	11	4,046.02	11	3,679.59	11	3,313.16	11	2,946.72	11	2,580.29	11	2,213.86	11	1,847.43	11	1,481.00	11	1,114.56	11	748.13	11	381.70	11	24.82
1/4	5,009.43	1/4	4,770.63	1/4	4,404.82	1/4	4,038.39	1/4	3,671.95	1/4	3,305.52	1/4	2,939.09	1/4	2,572.66	1/4	2,206.23	1/4	1,839.79	1/4	1,473.36	1/4	1,106.93	1/4	740.50	1/4	374.07	1/4	20.05
1/2	5,009.13	1/2	4,763.02	1/2	4,397.18	1/2	4,030.75	1/2	3,664.32	1/2	3,297.89	1/2	2,931.46	1/2	2,565.02	1/2	2,198.59	1/2	1,832.16	1/2	1,465.73	1/2	1,099.30	1/2	732.86	1/2	366.43	1/2	* 15.28
3/4	5,008.83	3/4	4,755.42	3/4	4,389.55	3/4	4,023.12	3/4	3,656.69	3/4	3,290.25	3/4	2,923.82	3/4	2,557.39	3/4	2,190.96	3/4	1,824.53	3/4	1,458.09	3/4	1,091.66	3/4	725.23	3/4	358.80	3/4	

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 10/12/94

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT : 14'-11 1/2" (RIM OF 2" DIAMETER BALL VALVE)

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

FORM 1/4L15W REV #2 7/98

INSPECTORATE
ISO 9002 ACCREDITED

BARGE "EMS 304"
Enterprise Marine Services LLC

OUTAGE TABLE

1 STAR

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

HULL NO 4150

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.
0		0	5,006.71	0	4,740.20	0	4,374.28	0	4,007.85	0	3,641.42	0	3,274.99	0	2,908.55	0	2,542.12	0	2,175.69	0	1,809.26	0	1,442.83	0	1,076.39	0	709.96	0	343.53
1/4		1/4	5,005.65	1/4	4,732.59	1/4	4,366.65	1/4	4,000.22	1/4	3,633.78	1/4	3,267.35	1/4	2,900.92	1/4	2,534.49	1/4	2,168.06	1/4	1,801.62	1/4	1,435.19	1/4	1,068.76	1/4	702.33	1/4	335.90
1/2		1/2	5,004.58	1/2	4,724.99	1/2	4,359.01	1/2	3,992.58	1/2	3,626.15	1/2	3,259.72	1/2	2,893.29	1/2	2,526.85	1/2	2,160.42	1/2	1,793.99	1/2	1,427.56	1/2	1,061.13	1/2	694.69	1/2	328.26
3/4		3/4	5,002.65	3/4	4,717.38	3/4	4,351.38	3/4	3,984.95	3/4	3,618.52	3/4	3,252.08	3/4	2,885.65	3/4	2,519.22	3/4	2,152.79	3/4	1,786.36	3/4	1,419.92	3/4	1,053.49	3/4	687.06	3/4	320.63
1		1	5,000.72	1	4,709.77	1	4,343.75	1	3,977.31	1	3,610.88	1	3,244.45	1	2,878.02	1	2,511.59	1	2,145.15	1	1,778.72	1	1,412.29	1	1,045.86	1	679.43	1	312.99
1/4		1/4	4,998.78	1/4	4,702.17	1/4	4,336.11	1/4	3,969.68	1/4	3,603.25	1/4	3,236.82	1/4	2,870.38	1/4	2,503.95	1/4	2,137.52	1/4	1,771.09	1/4	1,404.66	1/4	1,038.22	1/4	671.79	1/4	305.36
1/2		1/2	4,996.85	1/2	4,694.56	1/2	4,328.48	1/2	3,962.05	1/2	3,595.61	1/2	3,229.18	1/2	2,862.75	1/2	2,496.32	1/2	2,129.89	1/2	1,763.45	1/2	1,397.02	1/2	1,030.59	1/2	664.16	1/2	297.73
3/4		3/4	4,994.04	3/4	4,686.95	3/4	4,320.84	3/4	3,954.41	3/4	3,587.98	3/4	3,221.55	3/4	2,855.12	3/4	2,488.68	3/4	2,122.25	3/4	1,755.82	3/4	1,389.39	3/4	1,022.96	3/4	656.52	3/4	290.09
2		2	4,991.23	2	4,679.35	2	4,313.21	2	3,946.78	2	3,580.35	2	3,213.91	2	2,847.48	2	2,481.05	2	2,114.62	2	1,748.19	2	1,381.75	2	1,015.32	2	648.89	2	282.46
1/4		1/4	4,988.43	1/4	4,671.74	1/4	4,305.58	1/4	3,939.14	1/4	3,572.71	1/4	3,206.28	1/4	2,839.85	1/4	2,473.42	1/4	2,106.98	1/4	1,740.55	1/4	1,374.12	1/4	1,007.69	1/4	641.26	1/4	274.82
1/2		1/2	4,985.62	1/2	4,664.13	1/2	4,297.94	1/2	3,931.51	1/2	3,565.08	1/2	3,198.65	1/2	2,832.21	1/2	2,465.78	1/2	2,099.35	1/2	1,732.92	1/2	1,366.49	1/2	1,000.05	1/2	633.62	1/2	267.19
3/4		3/4	4,981.94	3/4	4,656.52	3/4	4,290.31	3/4	3,923.88	3/4	3,557.44	3/4	3,191.01	3/4	2,824.58	3/4	2,458.15	3/4	2,091.72	3/4	1,725.28	3/4	1,358.85	3/4	992.42	3/4	625.99	3/4	259.56
3		3	4,978.26	3	4,648.92	3	4,282.67	3	3,916.24	3	3,549.81	3	3,183.38	3	2,816.95	3	2,450.51	3	2,084.08	3	1,717.65	3	1,351.22	3	984.79	3	618.35	3	251.92
1/4		1/4	4,974.58	1/4	4,641.31	1/4	4,275.04	1/4	3,908.61	1/4	3,542.18	1/4	3,175.74	1/4	2,809.31	1/4	2,442.88	1/4	2,076.45	1/4	1,710.02	1/4	1,343.58	1/4	977.15	1/4	610.72	1/4	244.29
1/2		1/2	4,970.90	1/2	4,633.70	1/2	4,267.41	1/2	3,900.97	1/2	3,534.54	1/2	3,168.11	1/2	2,801.68	1/2	2,435.25	1/2	2,068.81	1/2	1,702.38	1/2	1,335.95	1/2	969.52	1/2	603.09	1/2	236.65
3/4		3/4	4,966.35	3/4	4,626.10	3/4	4,259.77	3/4	3,893.34	3/4	3,526.91	3/4	3,160.48	3/4	2,794.04	3/4	2,427.61	3/4	2,061.18	3/4	1,694.75	3/4	1,328.32	3/4	961.88	3/4	595.45	3/4	229.02
4		4	4,961.80	4	4,618.49	4	4,252.14	4	3,885.71	4	3,519.27	4	3,152.84	4	2,786.41	4	2,419.98	4	2,053.55	4	1,687.11	4	1,320.68	4	954.25	4	587.82	4	221.39
1/4		1/4	4,957.25	1/4	4,610.88	1/4	4,244.50	1/4	3,878.07	1/4	3,511.64	1/4	3,145.21	1/4	2,778.78	1/4	2,412.34	1/4	2,045.91	1/4	1,679.48	1/4	1,313.05	1/4	946.62	1/4	580.18	1/4	213.75
1/2		1/2	4,952.70	1/2	4,603.28	1/2	4,236.87	1/2	3,870.44	1/2	3,504.01	1/2	3,137.57	1/2	2,771.14	1/2	2,404.71	1/2	2,038.28	1/2	1,671.85	1/2	1,305.41	1/2	938.98	1/2	572.55	1/2	206.12
3/4		3/4	4,947.27	3/4	4,595.67	3/4	4,229.24	3/4	3,862.80	3/4	3,496.37	3/4	3,129.94	3/4	2,763.51	3/4	2,397.08	3/4	2,030.64	3/4	1,664.21	3/4	1,297.78	3/4	931.35	3/4	564.92	3/4	198.48
5		5	4,941.85	5	4,588.03	5	4,221.60	5	3,855.17	5	3,488.74	5	3,122.31	5	2,755.87	5	2,389.44	5	2,023.01	5	1,656.58	5	1,290.15	5	923.71	5	557.28	5	190.85
1/4		1/4	4,936.42	1/4	4,580.40	1/4	4,213.97	1/4	3,847.54	1/4	3,481.10	1/4	3,114.67	1/4	2,748.24	1/4	2,381.81	1/4	2,015.38	1/4	1,648.94	1/4	1,282.51	1/4	916.08	1/4	549.65	1/4	183.22
1/2		1/2	4,931.00	1/2	4,572.77	1/2	4,206.33	1/2	3,839.90	1/2	3,473.47	1/2	3,107.04	1/2	2,740.61	1/2	2,374.17	1/2	2,007.74	1/2	1,641.31	1/2	1,274.88	1/2	908.45	1/2	542.01	1/2	175.58
3/4		3/4	4,924.70	3/4	4,565.13	3/4	4,198.70	3/4	3,832.27	3/4	3,465.84	3/4	3,099.40	3/4	2,732.97	3/4	2,366.54	3/4	2,000.11	3/4	1,633.68	3/4	1,267.24	3/4	900.81	3/4	534.38	3/4	167.95
6		6	4,918.40	6	4,557.50	6	4,191.07	6	3,824.63	6	3,458.20	6	3,091.77	6	2,725.34	6	2,358.91	6	1,992.47	6	1,626.04	6	1,259.61	6	893.18	6	526.75	6	160.31
1/4		1/4	4,912.10	1/4	4,549.86	1/4	4,183.43	1/4	3,817.00	1/4	3,450.57	1/4	3,084.14	1/4	2,717.70	1/4	2,351.27	1/4	1,984.84	1/4	1,618.41	1/4	1,251.98	1/4	885.54	1/4	519.11	1/4	152.68
1/2		1/2	4,905.81	1/2	4,542.23	1/2	4,175.80	1/2	3,809.37	1/2	3,442.93	1/2	3,076.50	1/2	2,710.07	1/2	2,343.64	1/2	1,977.21	1/2	1,610.77	1/2	1,244.34	1/2	877.91	1/2	511.48	1/2	145.05
3/4		3/4	4,898.64	3/4	4,534.60	3/4	4,168.16	3/4	3,801.73	3/4	3,435.30	3/4	3,068.87	3/4	2,702.44	3/4	2,336.00	3/4	1,969.57	3/4	1,603.14	3/4	1,236.71	3/4	870.28	3/4	503.84	3/4	137.41
7		7	4,891.47	7	4,526.96	7	4,160.53	7	3,794.10	7	3,427.67	7	3,061.23	7	2,694.80	7	2,328.37	7	1,961.94	7	1,595.51	7	1,229.07	7	862.64	7	496.21	7	129.78
1/4		1/4	4,884.30	1/4	4,519.33	1/4	4,152.90	1/4	3,786.46	1/4	3,420.03	1/4	3,053.60	1/4	2,687.17	1/4	2,320.74	1/4	1,954.30	1/4	1,587.87	1/4	1,221.44	1/4	855.01	1/4	488.58	1/4	122.14
1/2		1/2	4,877.13	1/2	4,511.69	1/2	4,145.26	1/2	3,778.83	1/2	3,412.40	1/2	3,045.97	1/2	2,679.53	1/2	2,313.10	1/2	1,946.67	1/2	1,580.24	1/2	1,213.81	1/2	847.37	1/2	480.94	1/2	114.51
3/4		3/4	4,869.52	3/4	4,504.06	3/4	4,137.63	3/4	3,771.20	3/4	3,404.76	3/4	3,038.33	3/4	2,671.90	3/4	2,305.47	3/4	1,939.04	3/4	1,572.60	3/4	1,206.17	3/4	839.74	3/4	473.31	3/4	106.88
8		8	4,861.91	8	4,496.43	8	4,129.99	8	3,763.56	8	3,397.13	8	3,030.70	8	2,664.27	8	2,297.83	8	1,931.40	8	1,564.97	8	1,198.54	8	832.11	8	465.67	8	99.24
1/4		1/4	4,854.31	1/4	4,488.79	1/4	4,122.36	1/4	3,755.93	1/4	3,389.50	1/4	3,023.06	1/4	2,656.63	1/4	2,290.20	1/4	1,923.77	1/4	1,557.34	1/4	1,190.90	1/4	824.47	1/4	458.04	1/4	91.61
1/2		1/2	4,846.70	1/2	4,481.16	1/2	4,114.73	1/2	3,748.29	1/2	3,381.86	1/2	3,015.43	1/2	2,649.00	1/2	2,282.57	1/2	1,916.13	1/2	1,549.70	1/2	1,183.27	1/2	816.84	1/2	450.41	1/2	83.97
3/4		3/4	4,839.09	3/4	4,473.52	3/4	4,107.09	3/4	3,740.66	3/4	3,374.23	3/4	3,007.80	3/4	2,641.36	3/4	2,274.93	3/4	1,908.50	3/4	1,542.07	3/4	1,175.64	3/4	809.20	3/4	442.77	3/4	76.34
9		9	4,831.49	9	4,465.89	9	4,099.46	9	3,733.03	9	3,366.59	9	3,000.16	9	2,633.73	9	2,267.30	9	1,900.87	9	1,534.43	9	1,168.00	9	801.57	9	435.14	9	68.71
1/4		1/4	4,823.88	1/4	4,458.26	1/4	4,091.82	1/4	3,725.39	1/4	3,358.96	1/4	2,992.53	1/4	2,626.10	1/4	2,259.66	1/4	1,893.23	1/4	1,526.80	1/4	1,160.37	1/4	793.94	1/4	427.50	1/4	61.07
1/2		1/2	4,816.27	1/2	4,450.62	1/2	4,084.19	1/2	3,717.76	1/2	3,351.33	1/2	2,984.89	1/2	2,618.46	1/2	2,252.03	1/2	1,885.60	1/2	1,519.17	1/2	1,152.73	1/2	786.30	1/2	419.87	1/2	54.39
3/4		3/4	4,808.66	3/4	4,442.99	3/4	4,076.56	3/4	3,710.12	3/4	3,343.69	3/4	2,977.26	3/4	2,610.83	3/4	2,244.40	3/4	1,877.96	3/4	1,511.53	3/4	1,145.10	3/4	778.67	3/4	412.24	3/4	47.71
10		10	4,801.06	10	4,435.35	10	4,068.92	10	3,702.49	10	3,336.06	10	2,969.63	10	2,603.19	10	2,236.76	10	1,870.33	10	1,503.90	10	1,137.47	10	771.03	10	404.60	10	41.03
1/4		1/4	4,793.45	1/4	4,427.72	1/4	4,061.29	1/4	3,694.86	1/4	3,328.42	1/4	2,961.99	1/4	2,595.56	1/4	2,229.13	1/4	1,862.70	1/4	1,496.26	1/4	1,129.83	1/4	763.40	1/4	396.97	1/4	34.36
1/2		1/2	4,785.84	1/2	4,420.09	1/2	4,053.65	1/2	3,687.22	1/2	3,320.79	1/2	2,954.36	1/2	2,587.93	1/2	2,221.49	1/2	1,855.06	1/2	1,488.63	1/2	1,122.20	1/2	755.77	1/2	389.33	1/2	29.59
3/4	5,009.73	3/4	4,778.24	3/4	4,412.45	3/4	4,046.02	3/4	3,679.59	3/4	3,313.16	3/4	2,946.72	3/4	2,580.29	3/4	2,213.86	3/4	1,847.43	3/4	1,481.00	3/4	1,114.56	3/4	748.13	3/4	381.70	3/4	24.82
11	5,009.43	11	4,770.63	11	4,404.82	11	4,038.39	11	3,671.95	11	3,305.52	11	2,939.09	11	2,572.66	11	2,206.23	11	1,839.79	11	1,473.36	11	1,106.93	11	740.50	11	374.07	11	20.05
1/4	5,009.13	1/4	4,763.02	1/4	4,397.18	1/4	4,030.75	1/4	3,664.32	1/4	3,297.89	1/4	2,931.46	1/4	2,565.02	1/4	2,198.59	1/4	1,832.16	1/4	1,465.73	1/4	1,099.30	1/4	732.86	1/4	366.43	1/4	* 15.28
1/2	5,008.83	1/2	4,755.42	1/2	4,389.55	1/2	4,023.12	1/2	3,656.69	1/2	3,290.25	1/2	2,923.82	1/2	2,557.39	1/2	2,190.96	1/2	1,824.53	1/2	1,458.09	1/2	1,091.66	1/2	725.23	1/2	358.80	1/2	
3/4	5,007.77	3/4	4,747.81	3/4	4,381.92	3/4	4,015.48	3/4	3,649.05	3/4	3,282.62	3/4	2,916.19	3/4	2,549.76	3/4	2,183.32	3/4	1,816.89	3/4	1,450.46	3/4	1,084.03	3/4	717.60	3/4	351.16	3/4	

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 10/12/94

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT : 14'-11 1/4" (RIM OF 2" DIAMETER BALL VALVE)

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

FORM 1/4L15Y REV #2 7/98

INSPECTORATE
ISO 9002 ACCREDITED

BARGE "EMS 304"
Enterprise Marine Services LLC

OUTAGE TABLE

2 PORT

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

HULL NO. 4150

in	0 FT.	in	1 FT.	in	2 FT.	in	3 FT.	in	4 FT.	in	5 FT.	in	6 FT.	in	7 FT.	in	8 FT.	in	9 FT.	in	10 FT.	in	11 FT.	in	12 FT.	in	13 FT.	in	14 FT.
0		0	5,071.01	0	4,801.06	0	4,430.44	0	4,059.30	0	3,688.17	0	3,317.03	0	2,945.90	0	2,574.76	0	2,203.62	0	1,832.49	0	1,461.35	0	1,090.22	0	719.08	0	347.94
1/4		1/4	5,069.93	1/4	4,793.36	1/4	4,422.71	1/4	4,051.57	1/4	3,680.44	1/4	3,309.30	1/4	2,938.16	1/4	2,567.03	1/4	2,195.89	1/4	1,824.76	1/4	1,453.62	1/4	1,082.48	1/4	711.35	1/4	340.21
1/2		1/2	5,068.86	1/2	4,785.65	1/2	4,414.98	1/2	4,043.84	1/2	3,672.70	1/2	3,301.57	1/2	2,930.43	1/2	2,559.30	1/2	2,188.16	1/2	1,817.02	1/2	1,445.89	1/2	1,074.75	1/2	703.62	1/2	332.48
3/4		3/4	5,066.90	3/4	4,777.95	3/4	4,407.24	3/4	4,036.11	3/4	3,664.97	3/4	3,293.84	3/4	2,922.70	3/4	2,551.56	3/4	2,180.43	3/4	1,809.29	3/4	1,438.16	3/4	1,067.02	3/4	695.88	3/4	324.75
1		1	5,064.94	1	4,770.24	1	4,399.51	1	4,028.38	1	3,657.24	1	3,286.10	1	2,914.97	1	2,543.83	1	2,172.70	1	1,801.56	1	1,430.42	1	1,059.29	1	688.15	1	317.02
1/4		1/4	5,062.98	1/4	4,762.54	1/4	4,391.78	1/4	4,020.64	1/4	3,649.51	1/4	3,278.37	1/4	2,907.24	1/4	2,536.10	1/4	2,164.96	1/4	1,793.83	1/4	1,422.69	1/4	1,051.56	1/4	680.42	1/4	309.28
1/2		1/2	5,061.02	1/2	4,754.83	1/2	4,384.05	1/2	4,012.91	1/2	3,641.78	1/2	3,270.64	1/2	2,899.50	1/2	2,528.37	1/2	2,157.23	1/2	1,786.10	1/2	1,414.96	1/2	1,043.82	1/2	672.69	1/2	301.55
3/4		3/4	5,058.18	3/4	4,747.13	3/4	4,376.32	3/4	4,005.18	3/4	3,634.04	3/4	3,262.91	3/4	2,891.77	3/4	2,520.64	3/4	2,149.50	3/4	1,778.36	3/4	1,407.23	3/4	1,036.09	3/4	664.96	3/4	293.82
2		2	5,055.34	2	4,739.42	2	4,368.58	2	3,997.45	2	3,626.31	2	3,255.18	2	2,884.04	2	2,512.90	2	2,141.77	2	1,770.63	2	1,399.50	2	1,028.36	2	657.22	2	286.09
1/4		1/4	5,052.49	1/4	4,731.72	1/4	4,360.85	1/4	3,989.72	1/4	3,618.58	1/4	3,247.44	1/4	2,876.31	1/4	2,505.17	1/4	2,134.04	1/4	1,762.90	1/4	1,391.76	1/4	1,020.63	1/4	649.49	1/4	278.36
1/2		1/2	5,049.65	1/2	4,724.01	1/2	4,353.12	1/2	3,981.98	1/2	3,610.85	1/2	3,239.71	1/2	2,868.58	1/2	2,497.44	1/2	2,126.30	1/2	1,755.17	1/2	1,384.03	1/2	1,012.90	1/2	641.76	1/2	270.62
3/4		3/4	5,045.92	3/4	4,716.31	3/4	4,345.39	3/4	3,974.25	3/4	3,603.12	3/4	3,231.98	3/4	2,860.84	3/4	2,489.71	3/4	2,118.57	3/4	1,747.44	3/4	1,376.30	3/4	1,005.16	3/4	634.03	3/4	262.89
3		3	5,042.20	3	4,708.60	3	4,337.66	3	3,966.52	3	3,595.38	3	3,224.25	3	2,853.11	3	2,481.98	3	2,110.84	3	1,739.70	3	1,368.57	3	997.43	3	626.30	3	255.16
1/4		1/4	5,038.47	1/4	4,700.90	1/4	4,329.92	1/4	3,958.79	1/4	3,587.65	1/4	3,216.52	1/4	2,845.38	1/4	2,474.24	1/4	2,103.11	1/4	1,731.97	1/4	1,360.84	1/4	989.70	1/4	618.56	1/4	247.43
1/2		1/2	5,034.74	1/2	4,693.19	1/2	4,322.19	1/2	3,951.06	1/2	3,579.92	1/2	3,208.78	1/2	2,837.65	1/2	2,466.51	1/2	2,095.38	1/2	1,724.24	1/2	1,353.10	1/2	981.97	1/2	610.83	1/2	239.70
3/4		3/4	5,030.13	3/4	4,685.49	3/4	4,314.46	3/4	3,943.32	3/4	3,572.19	3/4	3,201.05	3/4	2,829.92	3/4	2,458.78	3/4	2,087.64	3/4	1,716.51	3/4	1,345.37	3/4	974.24	3/4	603.10	3/4	231.96
4		4	5,025.52	4	4,677.78	4	4,306.73	4	3,935.59	4	3,564.46	4	3,193.32	4	2,822.18	4	2,451.05	4	2,079.91	4	1,708.78	4	1,337.64	4	966.50	4	595.37	4	224.23
1/4		1/4	5,020.91	1/4	4,670.08	1/4	4,299.00	1/4	3,927.86	1/4	3,556.72	1/4	3,185.59	1/4	2,814.45	1/4	2,443.32	1/4	2,072.18	1/4	1,701.04	1/4	1,329.91	1/4	958.77	1/4	587.64	1/4	216.50
1/2		1/2	5,016.30	1/2	4,662.37	1/2	4,291.26	1/2	3,920.13	1/2	3,548.99	1/2	3,177.86	1/2	2,806.72	1/2	2,435.58	1/2	2,064.45	1/2	1,693.31	1/2	1,322.18	1/2	951.04	1/2	579.90	1/2	208.77
3/4		3/4	5,010.80	3/4	4,654.67	3/4	4,283.53	3/4	3,912.40	3/4	3,541.26	3/4	3,170.12	3/4	2,798.99	3/4	2,427.85	3/4	2,056.72	3/4	1,685.58	3/4	1,314.44	3/4	943.31	3/4	572.17	3/4	201.04
5		5	5,005.31	5	4,646.94	5	4,275.80	5	3,904.66	5	3,533.53	5	3,162.39	5	2,791.26	5	2,420.12	5	2,048.98	5	1,677.85	5	1,306.71	5	935.58	5	564.44	5	193.30
1/4		1/4	4,999.81	1/4	4,639.20	1/4	4,268.07	1/4	3,896.93	1/4	3,525.80	1/4	3,154.66	1/4	2,783.52	1/4	2,412.39	1/4	2,041.25	1/4	1,670.12	1/4	1,298.98	1/4	927.84	1/4	556.71	1/4	185.57
1/2		1/2	4,994.32	1/2	4,631.47	1/2	4,260.34	1/2	3,889.20	1/2	3,518.06	1/2	3,146.93	1/2	2,775.79	1/2	2,404.66	1/2	2,033.52	1/2	1,662.38	1/2	1,291.25	1/2	920.11	1/2	548.98	1/2	177.84
3/4		3/4	4,987.94	3/4	4,623.74	3/4	4,252.60	3/4	3,881.47	3/4	3,510.33	3/4	3,139.20	3/4	2,768.06	3/4	2,396.92	3/4	2,025.79	3/4	1,654.65	3/4	1,283.52	3/4	912.38	3/4	541.24	3/4	170.11
6		6	4,981.56	6	4,616.01	6	4,244.87	6	3,873.74	6	3,502.60	6	3,131.46	6	2,760.33	6	2,389.19	6	2,018.06	6	1,646.92	6	1,275.78	6	904.65	6	533.51	6	162.38
1/4		1/4	4,975.18	1/4	4,608.28	1/4	4,237.14	1/4	3,866.00	1/4	3,494.87	1/4	3,123.73	1/4	2,752.60	1/4	2,381.46	1/4	2,010.32	1/4	1,639.19	1/4	1,268.05	1/4	896.92	1/4	525.78	1/4	154.64
1/2		1/2	4,968.81	1/2	4,600.54	1/2	4,229.41	1/2	3,858.27	1/2	3,487.14	1/2	3,116.00	1/2	2,744.86	1/2	2,373.73	1/2	2,002.59	1/2	1,631.46	1/2	1,260.32	1/2	889.18	1/2	518.05	1/2	146.91
3/4		3/4	4,961.54	3/4	4,592.81	3/4	4,221.68	3/4	3,850.54	3/4	3,479.40	3/4	3,108.27	3/4	2,737.13	3/4	2,366.00	3/4	1,994.86	3/4	1,623.72	3/4	1,252.59	3/4	881.45	3/4	510.32	3/4	139.18
7		7	4,954.28	7	4,585.08	7	4,213.94	7	3,842.81	7	3,471.67	7	3,100.54	7	2,729.40	7	2,358.26	7	1,987.13	7	1,615.99	7	1,244.86	7	873.72	7	502.58	7	131.45
1/4		1/4	4,947.02	1/4	4,577.35	1/4	4,206.21	1/4	3,835.08	1/4	3,463.94	1/4	3,092.80	1/4	2,721.67	1/4	2,350.53	1/4	1,979.40	1/4	1,608.26	1/4	1,237.12	1/4	865.99	1/4	494.85	1/4	123.72
1/2		1/2	4,939.75	1/2	4,569.62	1/2	4,198.48	1/2	3,827.34	1/2	3,456.21	1/2	3,085.07	1/2	2,713.94	1/2	2,342.80	1/2	1,971.66	1/2	1,600.53	1/2	1,229.39	1/2	858.26	1/2	487.12	1/2	115.98
3/4		3/4	4,932.05	3/4	4,561.88	3/4	4,190.75	3/4	3,819.61	3/4	3,448.48	3/4	3,077.34	3/4	2,706.20	3/4	2,335.07	3/4	1,963.93	3/4	1,592.80	3/4	1,221.66	3/4	850.52	3/4	479.39	3/4	108.25
8		8	4,924.34	8	4,554.15	8	4,183.02	8	3,811.88	8	3,440.74	8	3,069.61	8	2,698.47	8	2,327.34	8	1,956.20	8	1,585.06	8	1,213.93	8	842.79	8	471.66	8	100.52
1/4		1/4	4,916.64	1/4	4,546.42	1/4	4,175.28	1/4	3,804.15	1/4	3,433.01	1/4	3,061.88	1/4	2,690.74	1/4	2,319.60	1/4	1,948.47	1/4	1,577.33	1/4	1,206.20	1/4	835.06	1/4	463.92	1/4	92.79
1/2		1/2	4,908.93	1/2	4,538.69	1/2	4,167.55	1/2	3,796.42	1/2	3,425.28	1/2	3,054.14	1/2	2,683.01	1/2	2,311.87	1/2	1,940.74	1/2	1,569.60	1/2	1,198.46	1/2	827.33	1/2	456.19	1/2	85.06
3/4		3/4	4,901.23	3/4	4,530.96	3/4	4,159.82	3/4	3,788.68	3/4	3,417.55	3/4	3,046.41	3/4	2,675.28	3/4	2,304.14	3/4	1,933.00	3/4	1,561.87	3/4	1,190.73	3/4	819.60	3/4	448.46	3/4	77.32
9		9	4,893.52	9	4,523.22	9	4,152.09	9	3,780.95	9	3,409.82	9	3,038.68	9	2,667.54	9	2,296.41	9	1,925.27	9	1,554.14	9	1,183.00	9	811.86	9	440.73	9	69.59
1/4		1/4	4,885.82	1/4	4,515.49	1/4	4,144.36	1/4	3,773.22	1/4	3,402.08	1/4	3,030.95	1/4	2,659.81	1/4	2,288.68	1/4	1,917.54	1/4	1,546.40	1/4	1,175.27	1/4	804.13	1/4	433.00	1/4	61.86
1/2		1/2	4,878.11	1/2	4,507.76	1/2	4,136.62	1/2	3,765.49	1/2	3,394.35	1/2	3,023.22	1/2	2,652.08	1/2	2,280.94	1/2	1,909.81	1/2	1,538.67	1/2	1,167.54	1/2	796.40	1/2	425.26	1/2	55.10
3/4		3/4	4,870.41	3/4	4,500.03	3/4	4,128.89	3/4	3,757.76	3/4	3,386.62	3/4	3,015.48	3/4	2,644.35	3/4	2,273.21	3/4	1,902.08	3/4	1,530.94	3/4	1,159.80	3/4	788.67	3/4	417.53	3/4	46.33
10		10	4,862.70	10	4,492.30	10	4,121.16	10	3,750.02	10	3,378.89	10	3,007.75	10	2,636.62	10	2,265.48	10	1,894.34	10	1,523.21	10	1,152.07	10	780.94	10	409.80	10	41.57
1/4		1/4	4,855.00	1/4	4,484.56	1/4	4,113.43	1/4	3,742.29	1/4	3,371.16	1/4	3,000.02	1/4	2,628.88	1/4	2,257.75	1/4	1,886.61	1/4	1,515.48	1/4	1,144.34	1/4	773.20	1/4	402.07	1/4	34.80
1/2		1/2	4,847.29	1/2	4,476.83	1/2	4,105.70	1/2	3,734.56	1/2	3,363.42	1/2	2,992.29	1/2	2,621.15	1/2	2,250.02	1/2	1,878.88	1/2	1,507.74	1/2	1,136.61	1/2	765.47	1/2	394.34	1/2	29.97
3/4	5,074.06	3/4	4,839.59	3/4	4,469.10	3/4	4,097.96	3/4	3,726.83	3/4	3,355.69	3/4	2,984.56	3/4	2,613.42	3/4	2,242.28	3/4	1,871.15	3/4	1,500.01	3/4	1,128.88	3/4	757.74	3/4	386.60	3/4	25.14
11	5,073.76	11	4,831.88	11	4,461.37	11	4,090.23	11	3,719.10	11	3,347.96	11	2,976.82	11	2,605.69	11	2,234.55	11	1,863.42	11	1,492.28	11	1,121.14	11	750.01	11	378.87	11	20.30
1/4	5,073.46	1/4	4,824.18	1/4	4,453.64	1/4	4,082.50	1/4	3,711.36	1/4	3,340.23	1/4	2,969.09	1/4	2,597.96	1/4	2,226.82	1/4	1,855.68	1/4	1,484.55	1/4	1,113.41	1/4	742.28	1/4	371.14	1/4	* 15.47
1/2	5,073.16	1/2	4,816.47	1/2	4,445.90	1/2	4,074.77	1/2	3,703.63	1/2	3,332.50	1/2	2,961.36	1/2	2,590.22	1/2	2,219.09	1/2	1,847.95	1/2	1,476.82	1/2	1,105.68	1/2	734.54	1/2	363.41	1/2	
3/4	5,072.86	3/4	4,808.77	3/4	4,438.17	3/4	4,067.04	3/4	3,695.90	3/4	3,324.76	3/4	2,953.63	3/4	2,582.49	3/4	2,211.36	3/4	1,840.22	3/4	1,469.08	3/4	1,097.95	3/4	726.81	3/4	355.68	3/4	

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 10/12/94

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT 14'-11 1/4" (RIM OF 2" DIAMETER BALL VALVE)

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

FORM 1/4L15W REV #2 7/98

INSPECTORATE
ISO 9002 ACCREDITED

BARGE "EMS 304"
Enterprise Marine Services LLC

OUTAGE TABLE

2 STAR

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

HULL NO 4150

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.
0		0	5,072.08	0	4,808.77	0	4,438.17	0	4,067.04	0	3,695.90	0	3,324.76	0	2,953.63	0	2,582.49	0	2,211.36	0	1,840.22	0	1,469.08	0	1,097.95	0	726.81	0	355.68
1/4		1/4	5,071.01	1/4	4,801.06	1/4	4,430.44	1/4	4,059.30	1/4	3,688.17	1/4	3,317.03	1/4	2,945.90	1/4	2,574.76	1/4	2,203.62	1/4	1,832.49	1/4	1,461.35	1/4	1,090.22	1/4	719.08	1/4	347.94
1/2		1/2	5,069.93	1/2	4,793.36	1/2	4,422.71	1/2	4,051.57	1/2	3,680.44	1/2	3,309.30	1/2	2,938.16	1/2	2,567.03	1/2	2,195.89	1/2	1,824.76	1/2	1,453.62	1/2	1,082.48	1/2	711.35	1/2	340.21
3/4		3/4	5,068.86	3/4	4,785.65	3/4	4,414.98	3/4	4,043.84	3/4	3,672.70	3/4	3,301.57	3/4	2,930.43	3/4	2,559.30	3/4	2,188.16	3/4	1,817.02	3/4	1,445.89	3/4	1,074.75	3/4	703.62	3/4	332.48
1		1	5,066.90	1	4,777.95	1	4,407.24	1	4,036.11	1	3,664.97	1	3,293.84	1	2,922.70	1	2,551.56	1	2,180.43	1	1,809.29	1	1,438.16	1	1,067.02	1	695.88	1	324.75
1/4		1/4	5,064.94	1/4	4,770.24	1/4	4,399.51	1/4	4,028.38	1/4	3,657.24	1/4	3,286.10	1/4	2,914.97	1/4	2,543.83	1/4	2,172.70	1/4	1,801.56	1/4	1,430.42	1/4	1,059.29	1/4	688.15	1/4	317.02
1/2		1/2	5,062.98	1/2	4,762.54	1/2	4,391.78	1/2	4,020.64	1/2	3,649.51	1/2	3,278.37	1/2	2,907.24	1/2	2,536.10	1/2	2,164.96	1/2	1,793.83	1/2	1,422.69	1/2	1,051.56	1/2	680.42	1/2	309.28
3/4		3/4	5,061.02	3/4	4,754.83	3/4	4,384.05	3/4	4,012.91	3/4	3,641.78	3/4	3,270.64	3/4	2,899.50	3/4	2,528.37	3/4	2,157.23	3/4	1,786.10	3/4	1,414.96	3/4	1,043.82	3/4	672.69	3/4	301.55
2		2	5,058.18	2	4,747.13	2	4,376.32	2	4,005.18	2	3,634.04	2	3,262.91	2	2,891.77	2	2,520.64	2	2,149.50	2	1,778.36	2	1,407.23	2	1,036.09	2	664.96	2	293.82
1/4		1/4	5,055.34	1/4	4,739.42	1/4	4,368.58	1/4	3,997.45	1/4	3,626.31	1/4	3,255.18	1/4	2,884.04	1/4	2,512.90	1/4	2,141.77	1/4	1,770.63	1/4	1,399.50	1/4	1,028.36	1/4	657.22	1/4	286.09
1/2		1/2	5,052.49	1/2	4,731.72	1/2	4,360.85	1/2	3,989.72	1/2	3,618.58	1/2	3,247.44	1/2	2,876.31	1/2	2,505.17	1/2	2,134.04	1/2	1,762.90	1/2	1,391.76	1/2	1,020.63	1/2	649.49	1/2	278.36
3/4		3/4	5,049.65	3/4	4,724.01	3/4	4,353.12	3/4	3,981.98	3/4	3,610.85	3/4	3,239.71	3/4	2,868.58	3/4	2,497.44	3/4	2,126.30	3/4	1,755.17	3/4	1,384.03	3/4	1,012.90	3/4	641.76	3/4	270.62
3		3	5,045.92	3	4,716.31	3	4,345.39	3	3,974.25	3	3,603.12	3	3,231.98	3	2,860.84	3	2,489.71	3	2,118.57	3	1,747.44	3	1,376.30	3	1,005.16	3	634.03	3	262.89
1/4		1/4	5,042.20	1/4	4,708.60	1/4	4,337.66	1/4	3,966.52	1/4	3,595.38	1/4	3,224.25	1/4	2,853.11	1/4	2,481.98	1/4	2,110.84	1/4	1,739.70	1/4	1,368.57	1/4	997.43	1/4	626.30	1/4	255.16
1/2		1/2	5,038.47	1/2	4,700.90	1/2	4,329.92	1/2	3,958.79	1/2	3,587.65	1/2	3,216.52	1/2	2,845.38	1/2	2,474.24	1/2	2,103.11	1/2	1,731.97	1/2	1,360.84	1/2	989.70	1/2	618.56	1/2	247.43
3/4		3/4	5,034.74	3/4	4,693.19	3/4	4,322.19	3/4	3,951.06	3/4	3,579.92	3/4	3,208.78	3/4	2,837.65	3/4	2,466.51	3/4	2,095.38	3/4	1,724.24	3/4	1,353.10	3/4	981.97	3/4	610.83	3/4	239.70
4		4	5,030.13	4	4,685.49	4	4,314.46	4	3,943.32	4	3,572.19	4	3,201.05	4	2,829.92	4	2,458.78	4	2,087.64	4	1,716.51	4	1,345.37	4	974.24	4	603.10	4	231.96
1/4		1/4	5,025.52	1/4	4,677.78	1/4	4,306.73	1/4	3,935.59	1/4	3,564.46	1/4	3,193.32	1/4	2,822.18	1/4	2,451.05	1/4	2,079.91	1/4	1,708.78	1/4	1,337.64	1/4	966.50	1/4	595.37	1/4	224.23
1/2		1/2	5,020.91	1/2	4,670.08	1/2	4,299.00	1/2	3,927.86	1/2	3,556.72	1/2	3,185.59	1/2	2,814.45	1/2	2,443.32	1/2	2,072.18	1/2	1,701.04	1/2	1,329.91	1/2	958.77	1/2	587.64	1/2	216.50
3/4		3/4	5,016.30	3/4	4,662.37	3/4	4,291.26	3/4	3,920.13	3/4	3,548.99	3/4	3,177.86	3/4	2,806.72	3/4	2,435.58	3/4	2,064.45	3/4	1,693.31	3/4	1,322.18	3/4	951.04	3/4	579.90	3/4	208.77
5		5	5,010.80	5	4,654.67	5	4,283.53	5	3,912.40	5	3,541.26	5	3,170.12	5	2,798.99	5	2,427.85	5	2,056.72	5	1,685.58	5	1,314.44	5	943.31	5	572.17	5	201.04
1/4		1/4	5,005.31	1/4	4,646.94	1/4	4,275.80	1/4	3,904.66	1/4	3,533.53	1/4	3,162.39	1/4	2,791.26	1/4	2,420.12	1/4	2,048.98	1/4	1,677.85	1/4	1,306.71	1/4	935.58	1/4	564.44	1/4	193.30
1/2		1/2	4,999.81	1/2	4,639.20	1/2	4,268.07	1/2	3,896.93	1/2	3,525.80	1/2	3,154.66	1/2	2,783.52	1/2	2,412.39	1/2	2,041.25	1/2	1,670.12	1/2	1,298.98	1/2	927.84	1/2	556.71	1/2	185.57
3/4		3/4	4,994.32	3/4	4,631.47	3/4	4,260.34	3/4	3,889.20	3/4	3,518.06	3/4	3,146.93	3/4	2,775.79	3/4	2,404.66	3/4	2,033.52	3/4	1,662.38	3/4	1,291.25	3/4	920.11	3/4	548.98	3/4	177.84
6		6	4,987.94	6	4,623.74	6	4,252.60	6	3,881.47	6	3,510.33	6	3,139.20	6	2,768.06	6	2,396.92	6	2,025.79	6	1,654.65	6	1,283.52	6	912.38	6	541.24	6	170.11
1/4		1/4	4,981.56	1/4	4,616.01	1/4	4,244.87	1/4	3,873.74	1/4	3,502.60	1/4	3,131.46	1/4	2,760.33	1/4	2,389.19	1/4	2,018.06	1/4	1,646.92	1/4	1,275.78	1/4	904.65	1/4	533.51	1/4	162.38
1/2		1/2	4,975.18	1/2	4,608.28	1/2	4,237.14	1/2	3,866.00	1/2	3,494.87	1/2	3,123.73	1/2	2,752.60	1/2	2,381.46	1/2	2,010.32	1/2	1,639.19	1/2	1,268.05	1/2	896.92	1/2	525.78	1/2	154.64
3/4		3/4	4,968.81	3/4	4,600.54	3/4	4,229.41	3/4	3,858.27	3/4	3,487.14	3/4	3,116.00	3/4	2,744.86	3/4	2,373.73	3/4	2,002.59	3/4	1,631.46	3/4	1,260.32	3/4	889.18	3/4	518.05	3/4	146.91
7		7	4,961.54	7	4,592.81	7	4,221.68	7	3,850.54	7	3,479.40	7	3,108.27	7	2,737.13	7	2,366.00	7	1,994.86	7	1,623.72	7	1,252.59	7	881.45	7	510.32	7	139.18
1/4		1/4	4,954.28	1/4	4,585.08	1/4	4,213.94	1/4	3,842.81	1/4	3,471.67	1/4	3,100.54	1/4	2,729.40	1/4	2,358.26	1/4	1,987.13	1/4	1,615.99	1/4	1,244.86	1/4	873.72	1/4	502.58	1/4	131.45
1/2		1/2	4,947.02	1/2	4,577.35	1/2	4,206.21	1/2	3,835.08	1/2	3,463.94	1/2	3,092.80	1/2	2,721.67	1/2	2,350.53	1/2	1,979.40	1/2	1,608.26	1/2	1,237.12	1/2	865.99	1/2	494.85	1/2	123.72
3/4		3/4	4,939.75	3/4	4,569.62	3/4	4,198.48	3/4	3,827.34	3/4	3,456.21	3/4	3,085.07	3/4	2,713.94	3/4	2,342.80	3/4	1,971.66	3/4	1,600.53	3/4	1,229.39	3/4	858.26	3/4	487.12	3/4	115.98
8		8	4,932.05	8	4,561.88	8	4,190.75	8	3,819.61	8	3,448.48	8	3,077.34	8	2,706.20	8	2,335.07	8	1,963.93	8	1,592.80	8	1,221.66	8	850.52	8	479.39	8	108.25
1/4		1/4	4,924.34	1/4	4,554.15	1/4	4,183.02	1/4	3,811.88	1/4	3,440.74	1/4	3,069.61	1/4	2,698.47	1/4	2,327.34	1/4	1,956.20	1/4	1,585.06	1/4	1,213.93	1/4	842.79	1/4	471.66	1/4	100.52
1/2		1/2	4,916.64	1/2	4,546.42	1/2	4,175.28	1/2	3,804.15	1/2	3,433.01	1/2	3,061.88	1/2	2,690.74	1/2	2,319.60	1/2	1,948.47	1/2	1,577.33	1/2	1,206.20	1/2	835.06	1/2	463.92	1/2	92.79
3/4		3/4	4,908.93	3/4	4,538.69	3/4	4,167.55	3/4	3,796.42	3/4	3,425.28	3/4	3,054.14	3/4	2,683.01	3/4	2,311.87	3/4	1,940.74	3/4	1,569.60	3/4	1,198.46	3/4	827.33	3/4	456.19	3/4	85.06
9		9	4,901.23	9	4,530.96	9	4,159.82	9	3,788.68	9	3,417.55	9	3,046.41	9	2,675.28	9	2,304.14	9	1,933.00	9	1,561.87	9	1,190.73	9	819.60	9	448.46	9	77.32
1/4		1/4	4,893.52	1/4	4,523.22	1/4	4,152.09	1/4	3,780.95	1/4	3,409.82	1/4	3,038.68	1/4	2,667.54	1/4	2,296.41	1/4	1,925.27	1/4	1,554.14	1/4	1,183.00	1/4	811.86	1/4	440.73	1/4	69.59
1/2		1/2	4,885.82	1/2	4,515.49	1/2	4,144.36	1/2	3,773.22	1/2	3,402.08	1/2	3,030.95	1/2	2,659.81	1/2	2,288.68	1/2	1,917.54	1/2	1,546.40	1/2	1,175.27	1/2	804.13	1/2	433.00	1/2	61.86
3/4		3/4	4,878.11	3/4	4,507.76	3/4	4,136.62	3/4	3,765.49	3/4	3,394.35	3/4	3,023.22	3/4	2,652.08	3/4	2,280.94	3/4	1,909.81	3/4	1,538.67	3/4	1,167.54	3/4	796.40	3/4	425.26	3/4	55.10
10		10	4,870.41	10	4,500.03	10	4,128.89	10	3,757.76	10	3,386.62	10	3,015.48	10	2,644.35	10	2,273.21	10	1,902.08	10	1,530.94	10	1,159.80	10	788.67	10	417.53	10	48.33
1/4		1/4	4,862.70	1/4	4,492.30	1/4	4,121.16	1/4	3,750.02	1/4	3,378.89	1/4	3,007.75	1/4	2,636.62	1/4	2,265.48	1/4	1,894.34	1/4	1,523.21	1/4	1,152.07	1/4	780.94	1/4	409.80	1/4	41.57
1/2		1/2	4,855.00	1/2	4,484.56	1/2	4,113.43	1/2	3,742.29	1/2	3,371.16	1/2	3,000.02	1/2	2,628.88	1/2	2,257.75	1/2	1,886.61	1/2	1,515.48	1/2	1,144.34	1/2	773.20	1/2	402.07	1/2	34.80
3/4		3/4	4,847.29	3/4	4,476.83	3/4	4,105.70	3/4	3,734.56	3/4	3,363.42	3/4	2,992.29	3/4	2,621.15	3/4	2,250.02	3/4	1,878.88	3/4	1,507.74	3/4	1,136.61	3/4	765.47	3/4	394.34	3/4	29.97
11	5,074.06	11	4,839.59	11	4,469.10	11	4,097.96	11	3,726.83	11	3,355.69	11	2,984.56	11	2,613.42	11	2,242.28	11	1,871.15	11	1,500.01	11	1,128.88	11	757.74	11	386.60	11	25.14
1/4	5,073.76	1/4	4,831.88	1/4	4,461.37	1/4	4,090.23	1/4	3,719.10	1/4	3,347.96	1/4	2,976.82	1/4	2,605.69	1/4	2,234.55	1/4	1,863.42	1/4	1,492.28	1/4	1,121.14	1/4	750.01	1/4	378.87	1/4	20.30
1/2	5,073.46	1/2	4,824.18	1/2	4,453.64	1/2	4,082.50	1/2	3,711.36	1/2	3,340.23	1/2	2,969.09	1/2	2,597.96	1/2	2,226.82	1/2	1,855.68	1/2	1,484.55	1/2	1,113.41	1/2	742.28	1/2	371.14	1/2	* 15.47
3/4	5,073.16	3/4	4,816.47	3/4	4,445.90	3/4	4,074.77	3/4	3,703.63	3/4	3,332.50	3/4	2,961.36	3/4	2,590.22	3/4	2,219.09	3/4	1,847.95	3/4	1,476.82	3/4	1,105.68	3/4	734.54	3/4	363.41	3/4	

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 10/12/94

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT : 14'-11 1/2" (RIM OF 2" DIAMETER BALL VALVE)

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

FORM 1/4L15W: REV #2 7:98

INSPECTORATE
ISO 9002 ACCREDITED

BARGE "EMS 304"
Enterprise Marine Services LLC

OUTAGE TABLE

3 PORT

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

HULL NO 4150

in	0 FT.	in	1 FT.	in	2 FT.	in	3 FT.	in	4 FT.	in	5 FT.	in	6 FT.	in	7 FT.	in	8 FT.	in	9 FT.	in	10 FT.	in	11 FT.	in	12 FT.	in	13 FT.	in	14 FT.
0		0	4,414.04	0	4,248.11	0	4,019.92	0	3,791.73	0	3,563.53	0	3,315.57	0	2,946.28	0	2,575.09	0	2,203.91	0	1,832.72	0	1,461.54	0	1,090.36	0	719.17	0	347.99
1/4		1/4	4,413.39	1/4	4,243.36	1/4	4,015.16	1/4	3,786.97	1/4	3,558.78	1/4	3,308.65	1/4	2,938.54	1/4	2,567.36	1/4	2,196.18	1/4	1,824.99	1/4	1,453.81	1/4	1,082.62	1/4	711.44	1/4	340.26
1/2		1/2	4,412.74	1/2	4,238.60	1/2	4,010.41	1/2	3,782.22	1/2	3,554.03	1/2	3,301.19	1/2	2,930.81	1/2	2,559.63	1/2	2,188.44	1/2	1,817.26	1/2	1,446.08	1/2	1,074.89	1/2	703.71	1/2	332.52
3/4		3/4	4,411.55	3/4	4,233.85	3/4	4,005.66	3/4	3,777.46	3/4	3,549.27	3/4	3,293.72	3/4	2,923.08	3/4	2,551.89	3/4	2,180.71	3/4	1,809.53	3/4	1,438.34	3/4	1,067.16	3/4	695.97	3/4	324.79
1		1	4,410.36	1	4,229.09	1	4,000.90	1	3,772.71	1	3,544.52	1	3,286.26	1	2,915.35	1	2,544.16	1	2,172.98	1	1,801.79	1	1,430.61	1	1,059.43	1	688.24	1	317.06
1/4		1/4	4,409.17	1/4	4,224.34	1/4	3,996.15	1/4	3,767.96	1/4	3,539.76	1/4	3,278.80	1/4	2,907.61	1/4	2,536.43	1/4	2,165.24	1/4	1,794.06	1/4	1,422.88	1/4	1,051.69	1/4	680.51	1/4	309.32
1/2		1/2	4,407.97	1/2	4,219.59	1/2	3,991.39	1/2	3,763.20	1/2	3,535.01	1/2	3,271.06	1/2	2,899.88	1/2	2,528.70	1/2	2,157.51	1/2	1,786.33	1/2	1,415.14	1/2	1,043.96	1/2	672.78	1/2	301.59
3/4		3/4	4,406.24	3/4	4,214.83	3/4	3,986.64	3/4	3,758.45	3/4	3,530.26	3/4	3,263.33	3/4	2,892.15	3/4	2,520.96	3/4	2,149.78	3/4	1,778.59	3/4	1,407.41	3/4	1,036.23	3/4	665.04	3/4	293.86
2		2	4,404.50	2	4,210.08	2	3,981.89	2	3,753.69	2	3,525.50	2	3,255.60	2	2,884.41	2	2,513.23	2	2,142.05	2	1,770.86	2	1,399.68	2	1,028.49	2	657.31	2	286.13
1/4		1/4	4,402.77	1/4	4,205.32	1/4	3,977.13	1/4	3,748.94	1/4	3,520.75	1/4	3,247.86	1/4	2,876.68	1/4	2,505.50	1/4	2,134.31	1/4	1,763.13	1/4	1,391.94	1/4	1,020.76	1/4	649.58	1/4	278.39
1/2		1/2	4,401.03	1/2	4,200.57	1/2	3,972.38	1/2	3,744.19	1/2	3,515.99	1/2	3,240.13	1/2	2,868.95	1/2	2,497.76	1/2	2,126.58	1/2	1,755.40	1/2	1,384.21	1/2	1,013.03	1/2	641.84	1/2	270.66
3/4		3/4	4,398.75	3/4	4,195.82	3/4	3,967.62	3/4	3,739.43	3/4	3,511.24	3/4	3,232.40	3/4	2,861.21	3/4	2,490.03	3/4	2,118.85	3/4	1,747.66	3/4	1,376.48	3/4	1,005.29	3/4	634.11	3/4	262.93
3		3	4,396.47	3	4,191.06	3	3,962.87	3	3,734.68	3	3,506.49	3	3,224.67	3	2,853.48	3	2,482.30	3	2,111.11	3	1,739.93	3	1,368.75	3	997.56	3	626.38	3	255.19
1/4		1/4	4,394.19	1/4	4,186.31	1/4	3,958.12	1/4	3,729.92	1/4	3,501.73	1/4	3,216.93	1/4	2,845.75	1/4	2,474.56	1/4	2,103.38	1/4	1,732.20	1/4	1,361.01	1/4	989.83	1/4	618.64	1/4	247.46
1/2		1/2	4,391.91	1/2	4,181.55	1/2	3,953.36	1/2	3,725.17	1/2	3,496.98	1/2	3,209.20	1/2	2,838.02	1/2	2,466.83	1/2	2,095.65	1/2	1,724.46	1/2	1,353.28	1/2	982.10	1/2	610.91	1/2	239.73
3/4		3/4	4,389.09	3/4	4,176.80	3/4	3,948.61	3/4	3,720.42	3/4	3,492.22	3/4	3,201.47	3/4	2,830.28	3/4	2,459.10	3/4	2,087.91	3/4	1,716.73	3/4	1,345.55	3/4	974.36	3/4	603.18	3/4	231.99
4		4	4,386.26	4	4,172.05	4	3,943.85	4	3,715.66	4	3,487.47	4	3,193.73	4	2,822.55	4	2,451.37	4	2,080.18	4	1,709.00	4	1,337.81	4	966.63	4	595.45	4	224.26
1/4		1/4	4,383.44	1/4	4,167.29	1/4	3,939.10	1/4	3,710.91	1/4	3,482.72	1/4	3,186.00	1/4	2,814.82	1/4	2,443.63	1/4	2,072.45	1/4	1,701.26	1/4	1,330.08	1/4	958.90	1/4	587.71	1/4	216.53
1/2		1/2	4,380.61	1/2	4,162.54	1/2	3,934.35	1/2	3,706.15	1/2	3,477.96	1/2	3,178.27	1/2	2,807.08	1/2	2,435.90	1/2	2,064.71	1/2	1,693.53	1/2	1,322.35	1/2	951.16	1/2	579.98	1/2	208.80
3/4		3/4	4,377.25	3/4	4,157.78	3/4	3,929.59	3/4	3,701.40	3/4	3,473.21	3/4	3,170.53	3/4	2,799.35	3/4	2,428.17	3/4	2,056.98	3/4	1,685.80	3/4	1,314.61	3/4	943.43	3/4	572.25	3/4	201.06
5		5	4,373.88	5	4,153.03	5	3,924.84	5	3,696.65	5	3,468.45	5	3,162.80	5	2,791.62	5	2,420.43	5	2,049.25	5	1,678.07	5	1,306.88	5	935.70	5	564.51	5	193.33
1/4		1/4	4,370.51	1/4	4,148.28	1/4	3,920.08	1/4	3,691.89	1/4	3,463.70	1/4	3,155.07	1/4	2,783.88	1/4	2,412.70	1/4	2,041.52	1/4	1,670.33	1/4	1,299.15	1/4	927.96	1/4	556.78	1/4	185.60
1/2		1/2	4,367.15	1/2	4,143.52	1/2	3,915.33	1/2	3,687.14	1/2	3,458.95	1/2	3,147.34	1/2	2,776.15	1/2	2,404.97	1/2	2,033.78	1/2	1,662.60	1/2	1,291.42	1/2	920.23	1/2	549.05	1/2	177.86
3/4		3/4	4,363.24	3/4	4,138.77	3/4	3,910.58	3/4	3,682.38	3/4	3,454.19	3/4	3,139.60	3/4	2,768.42	3/4	2,397.23	3/4	2,026.05	3/4	1,654.87	3/4	1,283.68	3/4	912.50	3/4	541.31	3/4	170.13
6		6	4,359.32	6	4,134.01	6	3,905.82	6	3,677.63	6	3,449.44	6	3,131.87	6	2,760.69	6	2,389.50	6	2,018.32	6	1,647.13	6	1,275.95	6	904.77	6	533.58	6	162.40
1/4		1/4	4,355.41	1/4	4,129.26	1/4	3,901.07	1/4	3,672.88	1/4	3,444.68	1/4	3,124.14	1/4	2,752.95	1/4	2,381.77	1/4	2,010.58	1/4	1,639.40	1/4	1,268.22	1/4	897.03	1/4	525.85	1/4	154.66
1/2		1/2	4,351.50	1/2	4,124.51	1/2	3,896.31	1/2	3,668.12	1/2	3,439.93	1/2	3,116.40	1/2	2,745.22	1/2	2,374.04	1/2	2,002.85	1/2	1,631.67	1/2	1,260.48	1/2	889.30	1/2	518.12	1/2	146.93
3/4		3/4	4,347.05	3/4	4,119.75	3/4	3,891.56	3/4	3,663.37	3/4	3,435.18	3/4	3,108.67	3/4	2,737.49	3/4	2,366.30	3/4	1,995.12	3/4	1,623.93	3/4	1,252.75	3/4	881.57	3/4	510.38	3/4	139.20
7		7	4,342.59	7	4,115.00	7	3,886.81	7	3,658.61	7	3,430.42	7	3,100.94	7	2,729.75	7	2,358.57	7	1,987.38	7	1,616.20	7	1,245.02	7	873.83	7	502.65	7	131.47
1/4		1/4	4,338.14	1/4	4,110.24	1/4	3,882.05	1/4	3,653.86	1/4	3,425.67	1/4	3,093.20	1/4	2,722.02	1/4	2,350.84	1/4	1,979.65	1/4	1,608.47	1/4	1,237.28	1/4	866.10	1/4	494.92	1/4	123.73
1/2		1/2	4,333.68	1/2	4,105.49	1/2	3,877.30	1/2	3,649.11	1/2	3,420.91	1/2	3,085.47	1/2	2,714.29	1/2	2,343.10	1/2	1,971.92	1/2	1,600.74	1/2	1,229.55	1/2	858.37	1/2	487.18	1/2	116.00
3/4		3/4	4,328.93	3/4	4,100.74	3/4	3,872.54	3/4	3,644.35	3/4	3,416.16	3/4	3,077.74	3/4	2,706.55	3/4	2,335.37	3/4	1,964.19	3/4	1,593.00	3/4	1,221.82	3/4	850.63	3/4	479.45	3/4	108.27
8		8	4,324.17	8	4,095.98	8	3,867.79	8	3,639.60	8	3,411.27	8	3,070.01	8	2,698.82	8	2,327.64	8	1,956.45	8	1,585.27	8	1,214.09	8	842.90	8	471.72	8	100.53
1/4		1/4	4,319.42	1/4	4,091.23	1/4	3,863.04	1/4	3,634.84	1/4	3,406.38	1/4	3,062.27	1/4	2,691.09	1/4	2,319.90	1/4	1,948.72	1/4	1,577.54	1/4	1,206.35	1/4	835.17	1/4	463.98	1/4	92.80
1/2		1/2	4,314.67	1/2	4,086.47	1/2	3,858.28	1/2	3,630.09	1/2	3,401.09	1/2	3,054.54	1/2	2,683.36	1/2	2,312.17	1/2	1,940.99	1/2	1,569.80	1/2	1,198.62	1/2	827.44	1/2	456.25	1/2	85.07
3/4		3/4	4,309.91	3/4	4,081.72	3/4	3,853.53	3/4	3,625.34	3/4	3,395.79	3/4	3,046.81	3/4	2,675.62	3/4	2,304.44	3/4	1,933.25	3/4	1,562.07	3/4	1,190.89	3/4	819.70	3/4	448.52	3/4	77.33
9		9	4,305.16	9	4,076.97	9	3,848.77	9	3,620.58	9	3,390.50	9	3,039.07	9	2,667.89	9	2,296.71	9	1,925.52	9	1,554.34	9	1,183.15	9	811.97	9	440.79	9	69.60
1/4		1/4	4,300.40	1/4	4,072.21	1/4	3,844.02	1/4	3,615.83	1/4	3,385.20	1/4	3,031.34	1/4	2,660.16	1/4	2,288.97	1/4	1,917.79	1/4	1,546.60	1/4	1,175.42	1/4	804.24	1/4	433.05	1/4	61.87
1/2		1/2	4,295.65	1/2	4,067.46	1/2	3,839.27	1/2	3,611.07	1/2	3,379.36	1/2	3,023.61	1/2	2,652.42	1/2	2,281.24	1/2	1,910.05	1/2	1,538.87	1/2	1,167.69	1/2	796.50	1/2	425.32	1/2	55.10
3/4		3/4	4,290.90	3/4	4,062.70	3/4	3,834.51	3/4	3,606.32	3/4	3,373.53	3/4	3,015.87	3/4	2,644.69	3/4	2,273.51	3/4	1,902.32	3/4	1,531.14	3/4	1,159.95	3/4	788.77	3/4	417.59	3/4	48.34
10		10	4,286.14	10	4,057.95	10	3,829.76	10	3,601.57	10	3,367.69	10	3,008.14	10	2,636.96	10	2,265.77	10	1,894.59	10	1,523.41	10	1,152.22	10	781.04	10	409.85	10	41.57
1/4		1/4	4,281.39	1/4	4,053.20	1/4	3,825.00	1/4	3,596.81	1/4	3,361.85	1/4	3,000.41	1/4	2,629.22	1/4	2,258.04	1/4	1,886.86	1/4	1,515.67	1/4	1,144.49	1/4	773.30	1/4	402.12	1/4	34.80
1/2		1/2	4,276.63	1/2	4,048.44	1/2	3,820.25	1/2	3,592.06	1/2	3,355.47	1/2	2,992.68	1/2	2,621.49	1/2	2,250.31	1/2	1,879.12	1/2	1,507.94	1/2	1,136.76	1/2	765.57	1/2	394.39	1/2	29.97
3/4	4,415.85	3/4	4,271.88	3/4	4,043.69	3/4	3,815.50	3/4	3,587.30	3/4	3,349.09	3/4	2,984.94	3/4	2,613.76	3/4	2,242.57	3/4	1,871.39	3/4	1,500.21	3/4	1,129.02	3/4	757.84	3/4	386.65	3/4	25.14
11	4,415.68	11	4,267.13	11	4,038.93	11	3,810.74	11	3,582.55	11	3,342.71	11	2,977.21	11	2,606.03	11	2,234.84	11	1,863.66	11	1,492.47	11	1,121.29	11	750.11	11	378.92	11	20.31
1/4	4,415.51	1/4	4,262.37	1/4	4,034.18	1/4	3,805.99	1/4	3,577.80	1/4	3,336.33	1/4	2,969.48	1/4	2,598.29	1/4	2,227.11	1/4	1,855.92	1/4	1,484.74	1/4	1,113.56	1/4	742.37	1/4	371.19	1/4	15.48
1/2	4,415.33	1/2	4,257.62	1/2	4,029.43	1/2	3,801.23	1/2	3,573.04	1/2	3,329.41	1/2	2,961.74	1/2	2,590.56	1/2	2,219.38	1/2	1,848.19	1/2	1,477.01	1/2	1,105.82	1/2	734.64	1/2	363.46	1/2	* 12.57
3/4	4,414.69	3/4	4,252.86	3/4	4,024.67	3/4	3,796.48	3/4	3,568.29	3/4	3,322.49	3/4	2,954.01	3/4	2,582.83	3/4	2,211.64	3/4	1,840.46	3/4	1,469.27	3/4	1,098.09	3/4	726.91	3/4	355.72	3/4	—

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 10/12/94

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT : 14'-11 1/2" (RIM OF 2" DIAMETER BALL VALVE)

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

FORM 1/4L15W REV #2 7/98

INSPECTORATE
ISO 9002 ACCREDITED

BARGE "EMS 304"
Enterprise Marine Services LLC

OUTAGE TABLE

3 STAR

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

HULL NO 4150

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.
0		0	4,413.39	0	4,243.36	0	4,015.16	0	3,786.97	0	3,558.78	0	3,308.65	0	2,938.54	0	2,567.36	0	2,196.18	0	1,824.99	0	1,453.81	0	1,082.62	0	711.44	0	340.26
1/4		1/4	4,412.74	1/4	4,238.60	1/4	4,010.41	1/4	3,782.22	1/4	3,554.03	1/4	3,301.19	1/4	2,930.81	1/4	2,559.63	1/4	2,188.44	1/4	1,817.26	1/4	1,446.08	1/4	1,074.89	1/4	703.71	1/4	332.52
1/2		1/2	4,411.55	1/2	4,233.85	1/2	4,005.66	1/2	3,777.46	1/2	3,549.27	1/2	3,293.72	1/2	2,923.08	1/2	2,551.89	1/2	2,180.71	1/2	1,809.53	1/2	1,438.34	1/2	1,067.16	1/2	695.97	1/2	324.79
3/4		3/4	4,410.36	3/4	4,229.09	3/4	4,000.90	3/4	3,772.71	3/4	3,544.52	3/4	3,286.26	3/4	2,915.35	3/4	2,544.16	3/4	2,172.98	3/4	1,801.79	3/4	1,430.61	3/4	1,059.43	3/4	688.24	3/4	317.06
1		1	4,409.17	1	4,224.34	1	3,996.15	1	3,767.96	1	3,539.76	1	3,278.80	1	2,907.61	1	2,536.43	1	2,165.24	1	1,794.06	1	1,422.88	1	1,051.69	1	680.51	1	309.32
1/4		1/4	4,407.97	1/4	4,219.59	1/4	3,991.39	1/4	3,763.20	1/4	3,535.01	1/4	3,271.06	1/4	2,899.88	1/4	2,528.70	1/4	2,157.51	1/4	1,786.33	1/4	1,415.14	1/4	1,043.96	1/4	672.78	1/4	301.59
1/2		1/2	4,406.24	1/2	4,214.83	1/2	3,986.64	1/2	3,758.45	1/2	3,530.26	1/2	3,263.33	1/2	2,892.15	1/2	2,520.96	1/2	2,149.78	1/2	1,778.59	1/2	1,407.41	1/2	1,036.23	1/2	665.04	1/2	293.86
3/4		3/4	4,404.50	3/4	4,210.08	3/4	3,981.89	3/4	3,753.69	3/4	3,525.50	3/4	3,255.60	3/4	2,884.41	3/4	2,513.23	3/4	2,142.05	3/4	1,770.86	3/4	1,399.68	3/4	1,028.49	3/4	657.31	3/4	286.13
2		2	4,402.77	2	4,205.32	2	3,977.13	2	3,748.94	2	3,520.75	2	3,247.86	2	2,876.68	2	2,505.50	2	2,134.31	2	1,763.13	2	1,391.94	2	1,020.76	2	649.58	2	278.39
1/4		1/4	4,401.03	1/4	4,200.57	1/4	3,972.38	1/4	3,744.19	1/4	3,515.99	1/4	3,240.13	1/4	2,868.95	1/4	2,497.76	1/4	2,126.58	1/4	1,755.40	1/4	1,384.21	1/4	1,013.03	1/4	641.84	1/4	270.66
1/2		1/2	4,398.75	1/2	4,195.82	1/2	3,967.62	1/2	3,739.43	1/2	3,511.24	1/2	3,232.40	1/2	2,861.21	1/2	2,490.03	1/2	2,118.85	1/2	1,747.66	1/2	1,376.48	1/2	1,005.29	1/2	634.11	1/2	262.93
3/4		3/4	4,396.47	3/4	4,191.06	3/4	3,962.87	3/4	3,734.68	3/4	3,506.49	3/4	3,224.67	3/4	2,853.48	3/4	2,482.30	3/4	2,111.11	3/4	1,739.93	3/4	1,368.75	3/4	997.56	3/4	626.38	3/4	255.19
3		3	4,394.19	3	4,186.31	3	3,958.12	3	3,729.92	3	3,501.73	3	3,216.93	3	2,845.75	3	2,474.56	3	2,103.38	3	1,732.20	3	1,361.01	3	989.83	3	618.64	3	247.46
1/4		1/4	4,391.91	1/4	4,181.55	1/4	3,953.36	1/4	3,725.17	1/4	3,496.98	1/4	3,209.20	1/4	2,838.02	1/4	2,466.83	1/4	2,095.65	1/4	1,724.46	1/4	1,353.28	1/4	982.10	1/4	610.91	1/4	239.73
1/2		1/2	4,389.09	1/2	4,176.80	1/2	3,948.61	1/2	3,720.42	1/2	3,492.22	1/2	3,201.47	1/2	2,830.28	1/2	2,459.10	1/2	2,087.91	1/2	1,716.73	1/2	1,345.55	1/2	974.36	1/2	603.18	1/2	231.99
3/4		3/4	4,386.26	3/4	4,172.05	3/4	3,943.85	3/4	3,715.66	3/4	3,487.47	3/4	3,193.73	3/4	2,822.55	3/4	2,451.37	3/4	2,080.18	3/4	1,709.00	3/4	1,337.81	3/4	966.63	3/4	595.45	3/4	224.26
4		4	4,383.44	4	4,167.29	4	3,939.10	4	3,710.91	4	3,482.72	4	3,186.00	4	2,814.82	4	2,443.63	4	2,072.45	4	1,701.26	4	1,330.08	4	958.90	4	587.71	4	216.53
1/4		1/4	4,380.61	1/4	4,162.54	1/4	3,934.35	1/4	3,706.15	1/4	3,477.96	1/4	3,178.27	1/4	2,807.08	1/4	2,435.90	1/4	2,064.71	1/4	1,693.53	1/4	1,322.35	1/4	951.16	1/4	579.98	1/4	208.80
1/2		1/2	4,377.25	1/2	4,157.78	1/2	3,929.59	1/2	3,701.40	1/2	3,473.21	1/2	3,170.53	1/2	2,799.35	1/2	2,428.17	1/2	2,056.98	1/2	1,685.80	1/2	1,314.61	1/2	943.43	1/2	572.25	1/2	201.06
3/4		3/4	4,373.88	3/4	4,153.03	3/4	3,924.84	3/4	3,696.65	3/4	3,468.45	3/4	3,162.80	3/4	2,791.62	3/4	2,420.43	3/4	2,049.25	3/4	1,678.07	3/4	1,306.88	3/4	935.70	3/4	564.51	3/4	193.33
5		5	4,370.51	5	4,148.28	5	3,920.08	5	3,691.89	5	3,463.70	5	3,155.07	5	2,783.88	5	2,412.70	5	2,041.52	5	1,670.33	5	1,299.15	5	927.96	5	556.78	5	185.60
1/4		1/4	4,367.15	1/4	4,143.52	1/4	3,915.33	1/4	3,687.14	1/4	3,458.95	1/4	3,147.34	1/4	2,776.15	1/4	2,404.97	1/4	2,033.78	1/4	1,662.60	1/4	1,291.42	1/4	920.23	1/4	549.05	1/4	177.86
1/2		1/2	4,363.24	1/2	4,138.77	1/2	3,910.58	1/2	3,682.38	1/2	3,454.19	1/2	3,139.60	1/2	2,768.42	1/2	2,397.23	1/2	2,026.05	1/2	1,654.87	1/2	1,283.68	1/2	912.50	1/2	541.31	1/2	170.13
3/4		3/4	4,359.32	3/4	4,134.01	3/4	3,905.82	3/4	3,677.63	3/4	3,449.44	3/4	3,131.87	3/4	2,760.69	3/4	2,389.50	3/4	2,018.32	3/4	1,647.13	3/4	1,275.95	3/4	904.77	3/4	533.58	3/4	162.40
6		6	4,355.41	6	4,129.26	6	3,901.07	6	3,672.88	6	3,444.68	6	3,124.14	6	2,752.95	6	2,381.77	6	2,010.58	6	1,639.40	6	1,268.22	6	897.03	6	525.85	6	154.66
1/4		1/4	4,351.50	1/4	4,124.51	1/4	3,896.31	1/4	3,668.12	1/4	3,439.93	1/4	3,116.40	1/4	2,745.22	1/4	2,374.04	1/4	2,002.85	1/4	1,631.67	1/4	1,260.48	1/4	889.30	1/4	518.12	1/4	146.93
1/2		1/2	4,347.05	1/2	4,119.75	1/2	3,891.56	1/2	3,663.37	1/2	3,435.18	1/2	3,108.67	1/2	2,737.49	1/2	2,366.30	1/2	1,995.12	1/2	1,623.93	1/2	1,252.75	1/2	881.57	1/2	510.38	1/2	139.20
3/4		3/4	4,342.59	3/4	4,115.00	3/4	3,886.81	3/4	3,658.61	3/4	3,430.42	3/4	3,100.94	3/4	2,729.75	3/4	2,358.57	3/4	1,987.38	3/4	1,616.20	3/4	1,245.02	3/4	873.83	3/4	502.65	3/4	131.47
7		7	4,338.14	7	4,110.24	7	3,882.05	7	3,653.86	7	3,425.67	7	3,093.20	7	2,722.02	7	2,350.84	7	1,979.65	7	1,608.47	7	1,237.28	7	866.10	7	494.92	7	123.73
1/4		1/4	4,333.68	1/4	4,105.49	1/4	3,877.30	1/4	3,649.11	1/4	3,420.91	1/4	3,085.47	1/4	2,714.29	1/4	2,343.10	1/4	1,971.92	1/4	1,600.74	1/4	1,229.55	1/4	858.37	1/4	487.18	1/4	116.00
1/2		1/2	4,328.93	1/2	4,100.74	1/2	3,872.54	1/2	3,644.35	1/2	3,416.16	1/2	3,077.74	1/2	2,706.55	1/2	2,335.37	1/2	1,964.19	1/2	1,593.00	1/2	1,221.82	1/2	850.63	1/2	479.45	1/2	108.27
3/4		3/4	4,324.17	3/4	4,095.98	3/4	3,867.79	3/4	3,639.60	3/4	3,411.27	3/4	3,070.01	3/4	2,698.82	3/4	2,327.64	3/4	1,956.45	3/4	1,585.27	3/4	1,214.09	3/4	842.90	3/4	471.72	3/4	100.53
8		8	4,319.42	8	4,091.23	8	3,863.04	8	3,634.84	8	3,406.38	8	3,062.27	8	2,691.09	8	2,319.90	8	1,948.72	8	1,577.54	8	1,206.35	8	835.17	8	463.98	8	92.80
1/4		1/4	4,314.67	1/4	4,086.47	1/4	3,858.28	1/4	3,630.09	1/4	3,401.09	1/4	3,054.54	1/4	2,683.36	1/4	2,312.17	1/4	1,940.99	1/4	1,569.80	1/4	1,198.62	1/4	827.44	1/4	456.25	1/4	85.07
1/2		1/2	4,309.91	1/2	4,081.72	1/2	3,853.53	1/2	3,625.34	1/2	3,395.79	1/2	3,046.81	1/2	2,675.62	1/2	2,304.44	1/2	1,933.25	1/2	1,562.07	1/2	1,190.89	1/2	819.70	1/2	448.52	1/2	77.33
3/4		3/4	4,305.16	3/4	4,076.97	3/4	3,848.77	3/4	3,620.58	3/4	3,390.50	3/4	3,039.07	3/4	2,667.89	3/4	2,296.71	3/4	1,925.52	3/4	1,554.34	3/4	1,183.15	3/4	811.97	3/4	440.79	3/4	69.60
9		9	4,300.40	9	4,072.21	9	3,844.02	9	3,615.83	9	3,385.20	9	3,031.34	9	2,660.16	9	2,288.97	9	1,917.79	9	1,546.60	9	1,175.42	9	804.24	9	433.05	9	61.87
1/4		1/4	4,295.65	1/4	4,067.46	1/4	3,839.27	1/4	3,611.07	1/4	3,379.36	1/4	3,023.61	1/4	2,652.42	1/4	2,281.24	1/4	1,910.05	1/4	1,538.87	1/4	1,167.69	1/4	796.50	1/4	425.32	1/4	55.10
1/2		1/2	4,290.90	1/2	4,062.70	1/2	3,834.51	1/2	3,606.32	1/2	3,373.53	1/2	3,015.87	1/2	2,644.69	1/2	2,273.51	1/2	1,902.32	1/2	1,531.14	1/2	1,159.95	1/2	788.77	1/2	417.59	1/2	48.34
3/4		3/4	4,286.14	3/4	4,057.95	3/4	3,829.76	3/4	3,601.57	3/4	3,367.69	3/4	3,008.14	3/4	2,636.96	3/4	2,265.77	3/4	1,894.59	3/4	1,523.41	3/4	1,152.22	3/4	781.04	3/4	409.85	3/4	41.57
10		10	4,281.39	10	4,053.20	10	3,825.00	10	3,596.81	10	3,361.85	10	3,000.41	10	2,629.22	10	2,258.04	10	1,886.86	10	1,515.67	10	1,144.49	10	773.30	10	402.12	10	34.80
1/4		1/4	4,276.63	1/4	4,048.44	1/4	3,820.25	1/4	3,592.06	1/4	3,355.47	1/4	2,992.68	1/4	2,621.49	1/4	2,250.31	1/4	1,879.12	1/4	1,507.94	1/4	1,136.76	1/4	765.57	1/4	394.39	1/4	29.97
1/2	4,415.85	1/2	4,271.88	1/2	4,043.69	1/2	3,815.50	1/2	3,587.30	1/2	3,349.09	1/2	2,984.94	1/2	2,613.76	1/2	2,242.57	1/2	1,871.39	1/2	1,500.21	1/2	1,129.02	1/2	757.84	1/2	386.65	1/2	25.14
3/4	4,415.68	3/4	4,267.13	3/4	4,038.93	3/4	3,810.74	3/4	3,582.55	3/4	3,342.71	3/4	2,977.21	3/4	2,606.03	3/4	2,234.84	3/4	1,863.66	3/4	1,492.47	3/4	1,121.29	3/4	750.11	3/4	378.92	3/4	20.31
11	4,415.51	11	4,262.37	11	4,034.18	11	3,805.99	11	3,577.80	11	3,336.33	11	2,969.48	11	2,598.29	11	2,227.11	11	1,855.92	11	1,484.74	11	1,113.56	11	742.37	11	371.19	11	15.48
1/4	4,415.33	1/4	4,257.62	1/4	4,029.43	1/4	3,801.23	1/4	3,573.04	1/4	3,329.41	1/4	2,961.74	1/4	2,590.56	1/4	2,219.38	1/4	1,848.19	1/4	1,477.01	1/4	1,105.82	1/4	734.64	1/4	363.46	1/4	12.57
1/2	4,414.69	1/2	4,252.86	1/2	4,024.67	1/2	3,796.48	1/2	3,568.29	1/2	3,322.49	1/2	2,954.01	1/2	2,582.83	1/2	2,211.64	1/2	1,840.46	1/2	1,469.27	1/2	1,098.09	1/2	726.91	1/2	355.72	1/2	* 9.67
3/4	4,414.04	3/4	4,248.11	3/4	4,019.92	3/4	3,791.73	3/4	3,563.53	3/4	3,315.57	3/4	2,946.28	3/4	2,575.09	3/4	2,203.91	3/4	1,832.72	3/4	1,461.54	3/4	1,090.36	3/4	719.17	3/4	347.99	3/4	

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 10/12/94

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT : 14'-11 1/2" (RIM OF 2" DIAMETER BALL VALVE)

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