



**ARGE "GRIFCO 3804"
GRIFCO TRANSPORTATION THREE, LTD**

TANK NO.
1 PORT OR STAR

OUTAGE TABLE

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

HULL NO. 4466

N	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.	15 FT.	16 FT.	17 FT.
0	3,155.57	3,011.75	2,781.64	2,551.53	2,321.42	2,091.31	1,861.19	1,631.08	1,400.97	1,170.86	940.75	710.63	485.73	259.14	126.42	11.31
1/4	3,155.30	3,006.96	2,776.85	2,546.74	2,316.62	2,086.51	1,856.40	1,626.29	1,396.18	1,166.06	935.95	705.84	481.26	285.37	123.50	9.96
1/2	3,155.04	3,002.17	2,772.05	2,541.94	2,311.83	2,081.72	1,851.61	1,621.49	1,391.38	1,161.27	931.16	701.05	476.78	281.59	120.59	8.62
3/4	3,154.77	2,997.37	2,767.26	2,537.15	2,307.04	2,076.92	1,846.81	1,616.70	1,386.59	1,156.48	926.36	696.25	472.31	277.82	117.66	7.60
1	3,154.51	2,992.58	2,762.47	2,532.35	2,302.24	2,072.13	1,842.02	1,611.91	1,381.79	1,151.68	921.57	691.46	467.84	274.04	114.77	6.57
1/4	3,153.71	2,987.78	2,757.67	2,527.56	2,297.45	2,067.34	1,837.22	1,607.11	1,377.00	1,146.89	916.78	686.66	463.36	270.27	111.85	5.55
1/2	3,152.91	2,982.99	2,752.88	2,522.77	2,292.65	2,062.54	1,832.43	1,602.32	1,372.21	1,142.09	911.98	681.87	458.89	266.49	108.94	4.52
3/4	3,152.11	2,978.20	2,748.08	2,517.97	2,287.86	2,057.75	1,822.64	1,597.52	1,367.41	1,137.30	907.19	677.08	454.41	262.72	106.03	3.81
2	3,151.31	2,973.40	2,743.29	2,513.18	2,283.07	2,052.95	1,822.84	1,592.73	1,362.62	1,132.51	902.39	672.28	449.94	258.94	103.11	3.11
1/4	3,149.98	2,968.61	2,738.50	2,508.38	2,278.27	2,048.16	1,818.05	1,587.94	1,357.82	1,127.71	897.60	667.49	445.47	255.17	100.20	2.40
1/2	3,148.65	2,963.81	2,733.70	2,503.59	2,273.48	2,043.37	1,813.25	1,583.14	1,353.03	1,122.92	892.81	662.69	440.99	251.39	97.29	1.69
3/4	3,147.32	2,959.02	2,728.91	2,498.80	2,268.68	2,038.57	1,808.46	1,578.35	1,348.24	1,118.12	888.01	657.90	436.87	247.97	94.72	1.65
3	3,145.99	2,954.23	2,724.11	2,494.00	2,263.89	2,033.78	1,803.67	1,573.55	1,343.44	1,113.33	883.22	653.11	432.74	244.54	92.16	1.60
1/4	3,144.12	2,949.43	2,719.32	2,489.21	2,259.10	2,028.98	1,798.87	1,568.76	1,338.65	1,108.54	878.42	648.31	428.62	241.11	89.60	1.55
1/2	3,142.26	2,944.64	2,714.53	2,484.41	2,254.30	2,024.19	1,794.08	1,563.97	1,333.85	1,103.74	873.63	643.52	424.49	237.69	87.03	1.50
3/4	3,140.39	2,939.84	2,709.73	2,479.62	2,249.51	2,019.40	1,789.28	1,559.17	1,329.06	1,098.95	868.84	638.72	420.37	234.26	84.47	1.46
4	3,138.53	2,935.05	2,704.94	2,474.83	2,244.71	2,014.60	1,784.49	1,554.38	1,324.27	1,094.15	864.04	633.93	416.24	230.84	81.90	1.41
1/4	3,136.13	2,930.26	2,700.14	2,470.03	2,239.92	2,009.81	1,779.70	1,549.58	1,319.47	1,089.36	859.25	629.14	412.12	227.41	79.34	1.36
1/2	3,133.73	2,925.46	2,695.35	2,465.24	2,235.13	2,005.01	1,774.90	1,544.79	1,314.66	1,084.57	854.45	624.34	407.99	223.98	76.78	1.32
3/4	3,131.33	2,920.67	2,690.56	2,460.44	2,230.33	2,000.22	1,770.11	1,540.00	1,309.88	1,079.77	849.66	619.55	403.87	220.56	74.21	1.27
5	3,128.94	2,915.87	2,685.76	2,455.65	2,225.54	1,995.43	1,765.31	1,535.20	1,305.09	1,074.98	844.87	614.75	399.74	217.13	71.65	1.22
1/4	3,126.01	2,911.08	2,680.97	2,450.86	2,220.74	1,990.63	1,760.52	1,530.41	1,300.30	1,070.18	840.07	609.96	395.62	213.71	69.08	1.18
1/2	3,123.08	2,906.29	2,676.17	2,446.06	2,215.95	1,985.84	1,755.73	1,525.61	1,295.50	1,065.39	835.28	605.17	391.49	210.28	66.52	1.13
3/4	3,120.15	2,901.49	2,671.38	2,441.27	2,211.16	1,981.04	1,750.93	1,520.82	1,290.71	1,060.60	830.49	600.37	387.37	206.85	63.96	1.08
6	3,117.22	2,896.70	2,666.59	2,436.47	2,206.36	1,976.25	1,746.14	1,516.03	1,285.91	1,055.80	825.69	595.58	383.24	203.43	61.39	1.03
1/4	3,113.76	2,891.90	2,661.79	2,431.68	2,201.57	1,971.46	1,741.34	1,511.23	1,281.12	1,051.01	820.90	590.86	379.12	200.00	58.83	0.99
1/2	3,110.29	2,887.11	2,657.00	2,426.89	2,196.77	1,966.66	1,736.55	1,506.44	1,276.33	1,046.21	816.10	586.14	374.99	196.58	56.26	0.94
3/4	3,106.83	2,882.32	2,652.20	2,422.09	2,191.88	1,961.87	1,731.76	1,501.64	1,271.53	1,041.42	811.31	581.41	370.87	193.15	53.70	0.89
7	3,103.37	2,877.52	2,647.41	2,417.30	2,187.19	1,957.07	1,726.96	1,496.85	1,266.74	1,036.63	806.51	576.69	366.74	189.72	51.14	0.85
1/4	3,099.37	2,872.73	2,642.62	2,412.50	2,182.39	1,952.28	1,722.17	1,492.06	1,261.94	1,031.83	801.72	571.97	362.62	186.30	48.57	0.80
1/2	3,095.38	2,867.93	2,637.82	2,407.71	2,177.60	1,947.49	1,717.37	1,487.26	1,257.15	1,027.04	796.93	567.25	358.49	182.87	46.01	0.75
3/4	3,091.38	2,863.14	2,633.03	2,402.92	2,172.80	1,942.69	1,712.58	1,482.47	1,252.36	1,022.24	792.13	562.53	354.37	179.45	43.44	0.71
8	3,087.39	2,858.35	2,628.23	2,398.12	2,168.01	1,937.90	1,707.79	1,477.67	1,247.56	1,017.45	787.34	557.81	350.24	176.02	40.88	0.66
1/4	3,082.86	2,853.55	2,623.44	2,393.33	2,163.22	1,933.10	1,702.99	1,472.88	1,242.77	1,012.66	782.54	553.09	346.12	172.59	38.32	0.61
1/2	3,078.34	2,848.76	2,618.65	2,388.53	2,158.42	1,928.31	1,698.20	1,468.09	1,237.97	1,007.86	777.75	548.37	341.99	169.17	35.75	0.56
3/4	3,073.81	2,843.96	2,613.85	2,383.74	2,153.63	1,923.52	1,693.40	1,463.29	1,233.18	1,003.07	772.96	543.89	338.22	166.09	33.54	0.52
9	3,069.28	2,839.17	2,609.06	2,378.95	2,148.83	1,918.72	1,688.61	1,458.50	1,228.39	998.27	768.16	539.42	334.44	163.01	31.44	0.47
1/4	3,064.49	2,834.38	2,604.26	2,374.15	2,144.04	1,913.93	1,683.82	1,453.70	1,223.59	993.48	763.37	534.95	330.67	159.94	29.35	0.42
1/2	3,059.69	2,829.58	2,599.47	2,369.36	2,139.25	1,909.13	1,679.02	1,448.91	1,218.80	988.69	758.57	530.47	326.89	156.86	27.25	0.38
3/4	3,054.90	2,824.79	2,594.68	2,364.56	2,134.45	1,904.34	1,674.23	1,444.12	1,214.00	983.89	753.78	526.00	323.12	153.78	25.44	0.33
10	3,050.11	2,819.99	2,589.88	2,359.77	2,129.66	1,899.55	1,669.43	1,439.32	1,209.21	979.10	748.99	521.52	319.34	150.71	23.62	0.28
1/4	3,045.31	2,815.20	2,585.09	2,354.98	2,124.86	1,894.75	1,664.64	1,434.53	1,204.42	974.30	744.19	517.05	315.57	147.63	21.80	0.24
1/2	3,040.52	2,810.41	2,580.29	2,350.18	2,120.07	1,889.96	1,659.85	1,429.73	1,199.62	969.51	739.40	512.58	311.79	144.55	19.98	0.19
3/4	3,035.72	2,805.61	2,575.50	2,345.39	2,115.28	1,885.16	1,655.05	1,424.94	1,194.83	964.72	734.60	508.10	308.02	141.47	18.49	0.14
11	3,030.93	2,800.82	2,570.71	2,340.59	2,110.48	1,880.37	1,650.26	1,420.15	1,190.03	959.92	729.81	503.63	304.24	138.40	11.69	0.09
1/4	3,026.14	2,796.02	2,565.91	2,335.80	2,105.69	1,875.58	1,645.46	1,415.35	1,185.24	955.13	725.02	499.15	300.47	135.32	11.49	0.05
1/2	3,021.34	2,791.23	2,561.12	2,331.01	2,100.89	1,870.78	1,640.67	1,410.56	1,180.45	950.33	720.22	494.68	296.69	132.24	13.89	0.00
3/4	3,016.55	2,786.44	2,556.32	2,326.21	2,096.10	1,865.99	1,635.88	1,405.76	1,175.65	945.54	715.43	490.21	292.92	129.33	12.65	0.00

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 5/24/04

4 SUMP

REFERENCE GAUGE HEIGHT: 17'-11 1/2" (RIM OF 10" DIAMETER STANDPIPE OPPOSITE HINGE)

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

[Signature]
INSPECTORATE AMERICA CORPORATION



BARGE "GRIFCO 3804"
GRIFCO TRANSPORTATION THREE, LTD

TANK NO.
2 PORT

OUTAGE TABLE

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

HULL NO. 4466

Table with columns for gauge height (2 FT. to 18 FT.) and rows for various tank levels (0 to 11). Each cell contains a numerical value representing the outage measurement.

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 5/24/04

* SUMP

REFERENCE GAUGE HEIGHT: 18'-0" (RIM OF 10" DIAMETER STANDPIPE OPPOSITE HINGE)

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 "GRIFCO 3804"

GRIFCO TRANSPORTATION THREE, LTD

TANK NO.
2 STAR

OUTAGE TABLE

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

HULL NO. 4466

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.		15 FT.		16 FT.		17 FT.		18 FT.	
0		0	3,010.91	0	2,795.25	0	2,579.58	0	2,363.92	0	2,148.25	0	1,932.59	0	1,716.93	0	1,501.26	0	1,285.60	0	1,069.93	0	854.27	0	638.61	0	422.94	0	207.44	0	13.80	0	
1/4	3,141.22	1/4	3,006.42	1/4	2,790.75	1/4	2,575.09	1/4	2,359.42	1/4	2,143.76	1/4	1,928.10	1/4	1,712.43	1/4	1,496.77	1/4	1,281.10	1/4	1,065.44	1/4	849.78	1/4	634.11	1/4	418.45	1/4	203.11	1/4	11.85	1/4	
1/2	3,140.97	1/2	3,001.92	1/2	2,786.26	1/2	2,570.60	1/2	2,354.93	1/2	2,139.27	1/2	1,923.60	1/2	1,707.94	1/2	1,492.28	1/2	1,276.61	1/2	1,060.95	1/2	845.28	1/2	629.62	1/2	413.96	1/2	198.78	1/2	9.90	1/2	
3/4	3,140.72	3/4	2,997.43	3/4	2,781.77	3/4	2,566.10	3/4	2,350.44	3/4	2,134.77	3/4	1,919.11	3/4	1,703.45	3/4	1,487.78	3/4	1,272.12	3/4	1,056.45	3/4	840.79	3/4	625.13	3/4	409.46	3/4	194.45	3/4	7.94	3/4	
1	3,140.47	1	2,992.94	1	2,777.27	1	2,561.61	1	2,345.95	1	2,130.28	1	1,914.62	1	1,698.95	1	1,483.29	1	1,267.63	1	1,051.96	1	836.30	1	620.63	1	404.97	1	190.12	1	6.77	1	
1/4	3,140.22	1/4	2,988.44	1/4	2,772.78	1/4	2,557.12	1/4	2,341.45	1/4	2,125.79	1/4	1,910.12	1/4	1,694.46	1/4	1,478.80	1/4	1,263.13	1/4	1,047.47	1/4	831.80	1/4	616.14	1/4	400.48	1/4	185.79	1/4	5.60	1/4	
1/2	3,139.47	1/2	2,983.95	1/2	2,768.29	1/2	2,552.62	1/2	2,336.96	1/2	2,121.30	1/2	1,905.63	1/2	1,689.97	1/2	1,474.30	1/2	1,258.64	1/2	1,042.88	1/2	827.31	1/2	611.65	1/2	395.98	1/2	181.46	1/2	4.43	1/2	
3/4	3,138.72	3/4	2,979.46	3/4	2,763.79	3/4	2,548.13	3/4	2,332.47	3/4	2,116.80	3/4	1,901.14	3/4	1,685.47	3/4	1,469.81	3/4	1,254.15	3/4	1,038.48	3/4	822.82	3/4	607.15	3/4	391.49	3/4	177.13	3/4	3.26	3/4	
2	3,137.97	2	2,974.97	2	2,759.30	2	2,543.64	2	2,327.97	2	2,112.31	2	1,896.65	2	1,680.98	2	1,465.32	2	1,249.65	2	1,033.99	2	818.33	2	602.66	2	387.00	2	172.80	2	2.87	2	
1/4	3,137.22	1/4	2,970.47	1/4	2,754.81	1/4	2,539.14	1/4	2,323.48	1/4	2,107.82	1/4	1,892.15	1/4	1,676.49	1/4	1,460.82	1/4	1,245.16	1/4	1,029.50	1/4	813.63	1/4	598.17	1/4	382.50	1/4	168.47	1/4	2.47	1/4	
1/2	3,135.98	1/2	2,965.98	1/2	2,750.32	1/2	2,534.65	1/2	2,318.99	1/2	2,103.32	1/2	1,887.66	1/2	1,672.00	1/2	1,456.33	1/2	1,240.67	1/2	1,025.00	1/2	809.34	1/2	593.68	1/2	378.01	1/2	164.14	1/2	2.08	1/2	
3/4	3,134.73	3/4	2,961.49	3/4	2,745.82	3/4	2,530.16	3/4	2,314.49	3/4	2,098.83	3/4	1,883.17	3/4	1,667.50	3/4	1,451.84	3/4	1,236.17	3/4	1,020.51	3/4	804.85	3/4	589.18	3/4	373.52	3/4	159.81	3/4	1.69	3/4	
3	3,133.48	3	2,956.99	3	2,741.33	3	2,525.67	3	2,310.00	3	2,094.34	3	1,878.67	3	1,663.01	3	1,447.35	3	1,231.68	3	1,016.02	3	800.35	3	584.69	3	369.03	3	155.48	3	1.65	3	
1/4	3,132.23	1/4	2,952.50	1/4	2,736.84	1/4	2,521.17	1/4	2,305.51	1/4	2,089.84	1/4	1,874.18	1/4	1,658.52	1/4	1,442.85	1/4	1,227.19	1/4	1,011.52	1/4	795.86	1/4	580.20	1/4	364.53	1/4	151.15	1/4	1.60	1/4	
1/2	3,130.48	1/2	2,948.01	1/2	2,732.34	1/2	2,516.68	1/2	2,301.02	1/2	2,085.35	1/2	1,869.69	1/2	1,654.02	1/2	1,438.36	1/2	1,222.70	1/2	1,007.03	1/2	791.37	1/2	575.70	1/2	360.04	1/2	146.82	1/2	1.55	1/2	
3/4	3,128.74	3/4	2,943.51	3/4	2,727.85	3/4	2,512.19	3/4	2,296.52	3/4	2,080.86	3/4	1,865.19	3/4	1,649.53	3/4	1,433.87	3/4	1,218.20	3/4	1,002.54	3/4	786.87	3/4	571.21	3/4	355.55	3/4	142.49	3/4	1.50	3/4	
4	3,128.99	4	2,939.02	4	2,723.36	4	2,507.69	4	2,292.03	4	2,076.37	4	1,860.70	4	1,645.04	4	1,429.37	4	1,213.71	4	998.05	4	782.38	4	566.72	4	351.05	4	138.16	4	1.46	4	
1/4	3,125.24	1/4	2,934.53	1/4	2,718.86	1/4	2,503.20	1/4	2,287.54	1/4	2,071.87	1/4	1,856.21	1/4	1,640.54	1/4	1,424.88	1/4	1,209.22	1/4	993.55	1/4	777.89	1/4	562.22	1/4	346.56	1/4	133.83	1/4	1.41	1/4	
1/2	3,122.99	1/2	2,930.04	1/2	2,714.37	1/2	2,498.71	1/2	2,283.04	1/2	2,067.38	1/2	1,851.72	1/2	1,636.05	1/2	1,420.39	1/2	1,204.72	1/2	989.06	1/2	773.40	1/2	557.73	1/2	342.07	1/2	129.50	1/2	1.36	1/2	
3/4	3,120.75	3/4	2,925.54	3/4	2,709.88	3/4	2,494.21	3/4	2,278.55	3/4	2,062.89	3/4	1,847.22	3/4	1,631.56	3/4	1,415.89	3/4	1,200.23	3/4	984.57	3/4	768.90	3/4	553.24	3/4	337.57	3/4	125.17	3/4	1.32	3/4	
5	3,118.50	5	2,921.05	5	2,705.39	5	2,489.72	5	2,274.06	5	2,058.39	5	1,842.73	5	1,627.07	5	1,411.40	5	1,195.74	5	980.07	5	764.41	5	548.75	5	333.08	5	120.84	5	1.27	5	
1/4	3,116.25	1/4	2,916.56	1/4	2,700.89	1/4	2,485.23	1/4	2,269.56	1/4	2,053.90	1/4	1,838.24	1/4	1,622.57	1/4	1,406.91	1/4	1,191.24	1/4	975.58	1/4	759.92	1/4	544.25	1/4	328.59	1/4	116.51	1/4	1.22	1/4	
1/2	3,113.51	1/2	2,912.06	1/2	2,696.40	1/2	2,480.74	1/2	2,265.07	1/2	2,049.41	1/2	1,833.74	1/2	1,618.08	1/2	1,402.42	1/2	1,186.75	1/2	971.09	1/2	755.42	1/2	539.76	1/2	324.10	1/2	112.18	1/2	1.18	1/2	
3/4	3,110.76	3/4	2,907.57	3/4	2,691.91	3/4	2,476.24	3/4	2,260.58	3/4	2,044.91	3/4	1,829.25	3/4	1,613.59	3/4	1,397.92	3/4	1,182.26	3/4	966.59	3/4	750.93	3/4	535.27	3/4	319.60	3/4	107.85	3/4	1.13	3/4	
6	3,108.01	6	2,903.08	6	2,687.41	6	2,471.75	6	2,256.09	6	2,040.42	6	1,824.76	6	1,609.09	6	1,393.43	6	1,177.77	6	962.10	6	746.44	6	530.77	6	315.11	6	103.52	6	1.08	6	
1/4	3,105.27	1/4	2,898.58	1/4	2,682.92	1/4	2,467.26	1/4	2,251.59	1/4	2,035.93	1/4	1,820.26	1/4	1,604.60	1/4	1,388.94	1/4	1,173.27	1/4	957.61	1/4	741.94	1/4	526.28	1/4	310.62	1/4	99.19	1/4	1.03	1/4	
1/2	3,102.02	1/2	2,894.09	1/2	2,678.43	1/2	2,462.76	1/2	2,247.10	1/2	2,031.44	1/2	1,815.77	1/2	1,600.11	1/2	1,384.44	1/2	1,168.78	1/2	953.12	1/2	737.45	1/2	521.79	1/2	306.12	1/2	94.86	1/2	0.99	1/2	
3/4	3,098.78	3/4	2,889.60	3/4	2,673.93	3/4	2,458.27	3/4	2,242.61	3/4	2,026.94	3/4	1,811.28	3/4	1,595.61	3/4	1,378.95	3/4	1,164.29	3/4	948.62	3/4	732.96	3/4	517.29	3/4	301.63	3/4	90.53	3/4	0.94	3/4	
7	3,095.53	7	2,885.11	7	2,669.44	7	2,453.78	7	2,238.11	7	2,022.45	7	1,806.79	7	1,591.12	7	1,373.46	7	1,159.79	7	944.13	7	728.47	7	512.80	7	297.14	7	86.20	7	0.89	7	
1/4	3,092.29	1/4	2,880.61	1/4	2,664.95	1/4	2,449.28	1/4	2,233.62	1/4	2,017.96	1/4	1,802.29	1/4	1,586.63	1/4	1,370.96	1/4	1,155.30	1/4	939.64	1/4	723.97	1/4	508.31	1/4	292.64	1/4	81.87	1/4	0.85	1/4	
1/2	3,088.54	1/2	2,876.12	1/2	2,660.46	1/2	2,444.79	1/2	2,229.13	1/2	2,013.46	1/2	1,797.80	1/2	1,582.14	1/2	1,366.47	1/2	1,150.81	1/2	935.14	1/2	719.48	1/2	503.82	1/2	288.15	1/2	77.54	1/2	0.80	1/2	
3/4	3,084.80	3/4	2,871.63	3/4	2,655.96	3/4	2,440.30	3/4	2,224.63	3/4	2,008.97	3/4	1,793.31	3/4	1,577.64	3/4	1,361.98	3/4	1,146.31	3/4	930.65	3/4	714.99	3/4	499.32	3/4	283.66	3/4	73.21	3/4	0.75	3/4	
8	3,081.05	8	2,867.13	8	2,651.47	8	2,435.81	8	2,220.14	8	2,004.48	8	1,788.81	8	1,573.15	8	1,357.49	8	1,141.82	8	926.16	8	710.49	8	494.83	8	279.17	8	68.88	8	0.71	8	
1/4	3,077.31	1/4	2,862.64	1/4	2,646.98	1/4	2,431.31	1/4	2,215.65	1/4	1,999.98	1/4	1,784.32	1/4	1,568.66	1/4	1,352.99	1/4	1,137.33	1/4	921.66	1/4	706.00	1/4	490.34	1/4	274.67	1/4	64.55	1/4	0.66	1/4	
1/2	3,073.06	1/2	2,858.15	1/2	2,642.48	1/2	2,426.82	1/2	2,211.16	1/2	1,995.49	1/2	1,779.83	1/2	1,564.16	1/2	1,348.50	1/2	1,132.84	1/2	917.17	1/2	701.51	1/2	485.84	1/2	270.18	1/2	60.22	1/2	0.61	1/2	
3/4	3,068.82	3/4	2,853.65	3/4	2,637.99	3/4	2,422.33	3/4	2,206.66	3/4	1,991.00	3/4	1,775.33	3/4	1,559.67	3/																	



BARGE "GRIFCO 3804"

GRIFCO TRANSPORTATION THREE, LTD

TANK NO.
3 PORT

OUTAGE TABLE

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

HULL NO. 4466

	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.		15 FT.		16 FT.		17 FT.		18 FT.	
N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R	
0		0	4,034.28	0	3,745.27	0	3,456.26	0	3,167.26	0	2,878.25	0	2,589.24	0	2,300.23	0	2,011.22	0	1,722.22	0	1,433.21	0	1,144.20	0	855.19	0	566.18	0	277.39	0	17.93	0		
1/4	4,208.82	1/4	4,028.26	1/4	3,739.25	1/4	3,450.24	1/4	3,161.23	1/4	2,872.23	1/4	2,583.22	1/4	2,294.21	1/4	2,005.20	1/4	1,716.19	1/4	1,427.19	1/4	1,138.18	1/4	849.17	1/4	560.16	1/4	271.59	1/4	15.31	1/4		
1/2	4,208.48	1/2	4,022.24	1/2	3,733.23	1/2	3,444.22	1/2	3,155.21	1/2	2,866.21	1/2	2,577.20	1/2	2,288.19	1/2	1,999.18	1/2	1,710.17	1/2	1,421.17	1/2	1,132.16	1/2	843.15	1/2	554.14	1/2	265.79	1/2	12.69	1/2		
3/4	4,208.15	3/4	4,016.22	3/4	3,727.21	3/4	3,438.20	3/4	3,149.19	3/4	2,860.18	3/4	2,571.18	3/4	2,282.17	3/4	1,993.16	3/4	1,704.15	3/4	1,415.14	3/4	1,126.14	3/4	837.13	3/4	548.12	3/4	259.99	3/4	10.07	3/4		
1	4,207.81	1	4,010.20	1	3,721.19	1	3,432.18	1	3,143.17	1	2,854.16	1	2,565.16	1	2,276.15	1	1,987.14	1	1,698.13	1	1,409.12	1	1,120.12	1	831.11	1	542.10	1	254.19	1	8.50	1		
1/4	4,207.48	1/4	4,004.18	1/4	3,715.17	1/4	3,426.16	1/4	3,137.15	1/4	2,848.14	1/4	2,559.13	1/4	2,270.13	1/4	1,981.12	1/4	1,692.11	1/4	1,403.10	1/4	1,114.09	1/4	825.09	1/4	536.08	1/4	248.38	1/4	6.93	1/4		
1/2	4,206.48	1/2	3,998.15	1/2	3,709.15	1/2	3,420.14	1/2	3,131.13	1/2	2,842.12	1/2	2,553.11	1/2	2,264.11	1/2	1,975.10	1/2	1,686.09	1/2	1,397.08	1/2	1,108.07	1/2	819.07	1/2	530.06	1/2	242.58	1/2	5.36	1/2		
3/4	4,205.47	3/4	3,992.13	3/4	3,703.12	3/4	3,414.12	3/4	3,125.11	3/4	2,836.10	3/4	2,547.09	3/4	2,258.08	3/4	1,969.08	3/4	1,680.07	3/4	1,391.06	3/4	1,102.05	3/4	813.04	3/4	524.04	3/4	236.78	3/4	3.79	3/4		
2	4,204.47	2	3,986.11	2	3,697.10	2	3,408.10	2	3,119.09	2	2,830.08	2	2,541.07	2	2,252.06	2	1,963.06	2	1,674.05	2	1,385.04	2	1,096.03	2	807.02	2	518.02	2	230.98	2	3.26	2		
1/4	4,203.47	1/4	3,980.09	1/4	3,691.08	1/4	3,402.07	1/4	3,113.07	1/4	2,824.06	1/4	2,535.05	1/4	2,246.04	1/4	1,957.03	1/4	1,668.03	1/4	1,379.02	1/4	1,090.01	1/4	801.00	1/4	511.99	1/4	225.18	1/4	2.74	1/4		
1/2	4,201.80	1/2	3,974.07	1/2	3,685.06	1/2	3,396.05	1/2	3,107.05	1/2	2,818.04	1/2	2,529.03	1/2	2,240.02	1/2	1,951.01	1/2	1,662.01	1/2	1,373.00	1/2	1,083.99	1/2	794.98	1/2	505.97	1/2	219.37	1/2	2.22	1/2		
3/4	4,200.12	3/4	3,968.05	3/4	3,679.04	3/4	3,390.03	3/4	3,101.02	3/4	2,812.02	3/4	2,523.01	3/4	2,234.00	3/4	1,944.99	3/4	1,655.98	3/4	1,366.98	3/4	1,077.97	3/4	788.96	3/4	499.95	3/4	213.57	3/4	1.69	3/4		
3	4,198.45	3	3,962.03	3	3,673.02	3	3,384.01	3	3,095.00	3	2,806.00	3	2,517.00	3	2,227.99	3	1,938.97	3	1,649.96	3	1,360.96	3	1,071.95	3	782.94	3	493.93	3	207.77	3	1.64	3		
1/4	4,196.78	1/4	3,956.01	1/4	3,667.00	1/4	3,377.99	1/4	3,088.98	1/4	2,799.97	1/4	2,510.97	1/4	2,221.96	1/4	1,932.95	1/4	1,643.94	1/4	1,354.93	1/4	1,065.93	1/4	776.92	1/4	487.91	1/4	196.17	1/4	1.55	1/4		
1/2	4,194.44	1/2	3,949.99	1/2	3,660.98	1/2	3,371.97	1/2	3,082.96	1/2	2,793.95	1/2	2,504.95	1/2	2,215.94	1/2	1,926.93	1/2	1,637.92	1/2	1,348.91	1/2	1,059.91	1/2	770.90	1/2	481.89	1/2	196.17	1/2	1.55	1/2		
3/4	4,192.09	3/4	3,943.97	3/4	3,654.96	3/4	3,365.95	3/4	3,076.94	3/4	2,787.93	3/4	2,498.92	3/4	2,209.92	3/4	1,920.91	3/4	1,631.90	3/4	1,342.89	3/4	1,053.88	3/4	768.88	3/4	475.87	3/4	190.36	3/4	1.50	3/4		
4	4,189.75	4	3,937.94	4	3,648.94	4	3,359.93	4	3,070.92	4	2,781.91	4	2,492.90	4	2,203.90	4	1,914.89	4	1,625.88	4	1,336.87	4	1,047.86	4	758.86	4	469.85	4	184.56	4	1.46	4		
1/4	4,187.41	1/4	3,931.92	1/4	3,642.91	1/4	3,353.91	1/4	3,064.90	1/4	2,775.89	1/4	2,486.88	1/4	2,197.87	1/4	1,908.87	1/4	1,619.86	1/4	1,330.85	1/4	1,041.84	1/4	752.83	1/4	463.83	1/4	178.76	1/4	1.41	1/4		
1/2	4,184.40	1/2	3,925.90	1/2	3,636.89	1/2	3,347.89	1/2	3,058.88	1/2	2,769.87	1/2	2,480.86	1/2	2,191.85	1/2	1,902.85	1/2	1,613.84	1/2	1,324.83	1/2	1,035.82	1/2	746.81	1/2	457.81	1/2	172.96	1/2	1.36	1/2		
3/4	4,181.39	3/4	3,919.88	3/4	3,630.87	3/4	3,341.86	3/4	3,052.86	3/4	2,763.85	3/4	2,474.84	3/4	2,185.83	3/4	1,896.82	3/4	1,607.82	3/4	1,318.81	3/4	1,029.80	3/4	740.79	3/4	451.78	3/4	167.16	3/4	1.32	3/4		
5	4,178.38	5	3,913.86	5	3,624.85	5	3,335.84	5	3,046.84	5	2,757.83	5	2,468.82	5	2,179.81	5	1,890.80	5	1,601.80	5	1,312.79	5	1,023.78	5	734.77	5	445.76	5	161.35	5	1.27	5		
1/4	4,175.37	1/4	3,907.84	1/4	3,618.83	1/4	3,329.82	1/4	3,040.81	1/4	2,751.81	1/4	2,462.80	1/4	2,173.79	1/4	1,884.78	1/4	1,595.77	1/4	1,306.77	1/4	1,017.76	1/4	728.75	1/4	439.74	1/4	155.55	1/4	1.22	1/4		
1/2	4,171.69	1/2	3,901.82	1/2	3,612.81	1/2	3,323.80	1/2	3,034.79	1/2	2,745.79	1/2	2,456.78	1/2	2,167.77	1/2	1,878.76	1/2	1,589.75	1/2	1,300.75	1/2	1,011.74	1/2	722.73	1/2	433.72	1/2	149.75	1/2	1.17	1/2		
3/4	4,168.01	3/4	3,895.80	3/4	3,606.79	3/4	3,317.78	3/4	3,028.77	3/4	2,739.76	3/4	2,450.76	3/4	2,161.75	3/4	1,872.74	3/4	1,583.73	3/4	1,294.72	3/4	1,005.72	3/4	716.71	3/4	427.70	3/4	143.95	3/4	1.13	3/4		
6	4,164.32	6	3,889.78	6	3,600.77	6	3,311.76	6	3,022.75	6	2,733.74	6	2,444.74	6	2,155.73	6	1,866.72	6	1,577.71	6	1,288.70	6	999.70	6	710.69	6	421.68	6	138.15	6	1.08	6		
1/4	4,160.64	1/4	3,883.76	1/4	3,594.75	1/4	3,305.74	1/4	3,016.73	1/4	2,727.72	1/4	2,438.71	1/4	2,149.71	1/4	1,860.70	1/4	1,571.69	1/4	1,282.68	1/4	993.67	1/4	704.67	1/4	415.66	1/4	132.34	1/4	1.03	1/4		
1/2	4,156.32	1/2	3,877.73	1/2	3,588.73	1/2	3,299.72	1/2	3,010.71	1/2	2,721.70	1/2	2,432.69	1/2	2,143.69	1/2	1,854.68	1/2	1,565.67	1/2	1,276.66	1/2	987.65	1/2	698.65	1/2	409.64	1/2	126.54	1/2	0.99	1/2		
3/4	4,151.99	3/4	3,871.71	3/4	3,582.70	3/4	3,293.70	3/4	3,004.69	3/4	2,715.68	3/4	2,426.67	3/4	2,137.66	3/4	1,848.66	3/4	1,559.65	3/4	1,270.64	3/4	981.63	3/4	692.62	3/4	403.62	3/4	120.74	3/4	0.94	3/4		
7	4,147.66	7	3,865.69	7	3,576.68	7	3,287.68	7	2,998.67	7	2,709.66	7	2,420.65	7	2,131.64	7	1,842.64	7	1,553.63	7	1,264.62	7	975.61	7	686.60	7	397.60	7	114.94	7	0.89	7		
1/4	4,143.33	1/4	3,859.67	1/4	3,570.66	1/4	3,281.65	1/4	2,992.65	1/4	2,703.64	1/4	2,414.63	1/4	2,125.62	1/4	1,836.61	1/4	1,547.61	1/4	1,258.60	1/4	969.59	1/4	680.58	1/4	391.57	1/4	109.14	1/4	0.85	1/4		
1/2	4,138.31	1/2	3,853.65	1/2	3,564.64	1/2	3,275.63	1/2	2,986.63	1/2	2,697.62	1/2	2,408.61	1/2	2,119.60	1/2	1,830.59	1/2	1,541.59	1/2	1,252.58	1/2</												



BARGE "GRIFCO 3804"
GRIFCO TRANSPORTATION THREE, LTD

TANK NO.
3 STAR

OUTAGE TABLE

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

HULL NO. 4466

	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.		15 FT.		16 FT.		17 FT.	
0	4,208.82	0	4,028.26	0	3,739.25	0	3,450.24	0	3,161.23	0	2,872.23	0	2,583.22	0	2,294.21	0	2,005.20	0	1,716.19	0	1,427.19	0	1,138.18	0	849.17	0	560.16	0	271.59	0	15.31	
1/4	4,208.48	1/4	4,022.24	1/4	3,733.23	1/4	3,444.22	1/4	3,155.21	1/4	2,866.21	1/4	2,577.20	1/4	2,288.19	1/4	1,999.18	1/4	1,710.17	1/4	1,421.17	1/4	1,132.16	1/4	843.15	1/4	554.14	1/4	265.79	1/4	12.69	
1/2	4,208.15	1/2	4,016.22	1/2	3,727.21	1/2	3,438.20	1/2	3,149.19	1/2	2,860.18	1/2	2,571.18	1/2	2,282.17	1/2	1,993.16	1/2	1,704.15	1/2	1,415.14	1/2	1,126.14	1/2	837.13	1/2	548.12	1/2	259.99	1/2	10.07	
3/4	4,207.81	3/4	4,010.20	3/4	3,721.19	3/4	3,432.18	3/4	3,143.17	3/4	2,854.16	3/4	2,565.16	3/4	2,276.15	3/4	1,987.14	3/4	1,698.13	3/4	1,409.12	3/4	1,120.12	3/4	831.11	3/4	542.10	3/4	254.19	3/4	8.50	
1	4,207.48	1	4,004.18	1	3,715.17	1	3,426.16	1	3,137.15	1	2,848.14	1	2,559.13	1	2,270.13	1	1,981.12	1	1,692.11	1	1,403.10	1	1,114.09	1	825.09	1	536.08	1	248.38	1	6.93	
1/4	4,206.48	1/4	3,998.15	1/4	3,709.15	1/4	3,420.14	1/4	3,131.13	1/4	2,842.12	1/4	2,553.11	1/4	2,264.11	1/4	1,975.10	1/4	1,686.09	1/4	1,397.08	1/4	1,108.07	1/4	819.07	1/4	530.06	1/4	242.58	1/4	5.36	
1/2	4,205.47	1/2	3,992.13	1/2	3,703.12	1/2	3,414.12	1/2	3,125.11	1/2	2,836.10	1/2	2,547.09	1/2	2,258.08	1/2	1,969.08	1/2	1,680.07	1/2	1,391.06	1/2	1,102.05	1/2	813.04	1/2	524.04	1/2	236.78	1/2	3.79	
3/4	4,204.47	3/4	3,986.11	3/4	3,697.10	3/4	3,408.10	3/4	3,119.09	3/4	2,830.08	3/4	2,541.07	3/4	2,252.06	3/4	1,963.06	3/4	1,674.05	3/4	1,385.04	3/4	1,096.03	3/4	807.02	3/4	518.02	3/4	230.98	3/4	3.26	
2	4,203.47	2	3,980.09	2	3,691.08	2	3,402.07	2	3,113.07	2	2,824.06	2	2,535.05	2	2,246.04	2	1,957.03	2	1,668.02	2	1,379.01	2	1,090.01	2	801.00	2	511.99	2	225.18	2	2.74	
1/4	4,201.80	1/4	3,974.07	1/4	3,685.06	1/4	3,396.05	1/4	3,107.05	1/4	2,818.04	1/4	2,529.03	1/4	2,240.02	1/4	1,951.01	1/4	1,662.01	1/4	1,373.00	1/4	1,083.99	1/4	794.98	1/4	505.97	1/4	219.37	1/4	1.69	
1/2	4,200.12	1/2	3,968.05	1/2	3,679.04	1/2	3,390.03	1/2	3,101.02	1/2	2,812.02	1/2	2,523.01	1/2	2,234.00	1/2	1,944.99	1/2	1,655.98	1/2	1,366.98	1/2	1,077.97	1/2	788.96	1/2	499.95	1/2	213.57	1/2	1.64	
3/4	4,198.45	3/4	3,962.03	3/4	3,673.02	3/4	3,384.01	3/4	3,095.00	3/4	2,806.00	3/4	2,517.00	3/4	2,227.99	3/4	1,938.97	3/4	1,649.96	3/4	1,360.96	3/4	1,071.95	3/4	782.94	3/4	493.93	3/4	207.77	3/4	1.64	
3	4,196.78	3	3,956.01	3	3,667.00	3	3,377.99	3	3,088.98	3	2,799.97	3	2,510.97	3	2,221.96	3	1,932.95	3	1,643.94	3	1,354.93	3	1,065.93	3	776.92	3	487.91	3	201.97	3	1.60	
1/4	4,194.44	1/4	3,949.99	1/4	3,660.98	1/4	3,371.97	1/4	3,082.96	1/4	2,793.95	1/4	2,504.95	1/4	2,215.94	1/4	1,926.93	1/4	1,637.92	1/4	1,348.91	1/4	1,059.91	1/4	770.90	1/4	481.89	1/4	196.17	1/4	1.55	
1/2	4,192.09	1/2	3,943.97	1/2	3,654.96	1/2	3,365.95	1/2	3,076.94	1/2	2,787.93	1/2	2,498.92	1/2	2,209.91	1/2	1,920.91	1/2	1,631.90	1/2	1,342.89	1/2	1,053.88	1/2	764.88	1/2	475.87	1/2	190.36	1/2	1.50	
3/4	4,189.75	3/4	3,937.94	3/4	3,648.94	3/4	3,359.93	3/4	3,070.92	3/4	2,781.91	3/4	2,492.90	3/4	2,203.89	3/4	1,914.89	3/4	1,625.88	3/4	1,336.87	3/4	1,047.86	3/4	758.86	3/4	469.85	3/4	184.56	3/4	1.46	
4	4,187.41	4	3,931.92	4	3,642.91	4	3,353.91	4	3,064.90	4	2,775.89	4	2,486.88	4	2,197.87	4	1,908.87	4	1,619.86	4	1,330.85	4	1,041.84	4	752.83	4	463.83	4	178.76	4	1.41	
1/4	4,184.40	1/4	3,925.90	1/4	3,636.89	1/4	3,347.89	1/4	3,058.88	1/4	2,769.87	1/4	2,480.86	1/4	2,191.85	1/4	1,902.85	1/4	1,613.84	1/4	1,324.83	1/4	1,035.82	1/4	746.81	1/4	457.81	1/4	172.96	1/4	1.36	
1/2	4,181.39	1/2	3,919.88	1/2	3,630.87	1/2	3,341.86	1/2	3,052.86	1/2	2,763.85	1/2	2,474.84	1/2	2,185.83	1/2	1,896.82	1/2	1,607.82	1/2	1,318.81	1/2	1,029.80	1/2	740.79	1/2	451.78	1/2	167.16	1/2	1.32	
3/4	4,178.38	3/4	3,913.86	3/4	3,624.85	3/4	3,335.84	3/4	3,046.84	3/4	2,757.83	3/4	2,468.82	3/4	2,179.81	3/4	1,890.80	3/4	1,601.80	3/4	1,312.79	3/4	1,023.78	3/4	734.77	3/4	445.76	3/4	161.35	3/4	1.27	
5	4,175.37	5	3,907.84	5	3,618.83	5	3,329.82	5	3,040.81	5	2,751.81	5	2,462.80	5	2,173.79	5	1,884.78	5	1,595.77	5	1,306.77	5	1,017.76	5	728.75	5	439.74	5	155.55	5	1.22	
1/4	4,171.69	1/4	3,901.82	1/4	3,612.81	1/4	3,323.80	1/4	3,034.79	1/4	2,745.79	1/4	2,456.78	1/4	2,167.77	1/4	1,878.76	1/4	1,589.75	1/4	1,300.75	1/4	1,011.74	1/4	722.73	1/4	433.72	1/4	149.75	1/4	1.17	
1/2	4,168.01	1/2	3,895.80	1/2	3,606.79	1/2	3,317.78	1/2	3,028.77	1/2	2,739.76	1/2	2,450.76	1/2	2,161.75	1/2	1,872.74	1/2	1,583.73	1/2	1,294.72	1/2	1,005.72	1/2	716.71	1/2	427.70	1/2	143.95	1/2	1.13	
3/4	4,164.32	3/4	3,889.78	3/4	3,600.77	3/4	3,311.76	3/4	3,022.75	3/4	2,733.74	3/4	2,444.74	3/4	2,155.73	3/4	1,866.72	3/4	1,577.71	3/4	1,288.70	3/4	999.70	3/4	710.69	3/4	421.68	3/4	138.15	3/4	1.08	
6	4,160.84	6	3,883.76	6	3,594.75	6	3,305.74	6	3,016.73	6	2,727.72	6	2,438.71	6	2,149.71	6	1,860.70	6	1,571.69	6	1,282.68	6	993.67	6	704.67	6	415.66	6	132.34	6	1.03	
1/4	4,156.32	1/4	3,877.73	1/4	3,588.73	1/4	3,299.72	1/4	3,010.71	1/4	2,721.70	1/4	2,432.69	1/4	2,143.69	1/4	1,854.68	1/4	1,565.67	1/4	1,276.66	1/4	987.65	1/4	698.65	1/4	409.64	1/4	126.54	1/4	0.99	
1/2	4,151.99	1/2	3,871.71	1/2	3,582.70	1/2	3,293.70	1/2	3,004.69	1/2	2,715.68	1/2	2,426.67	1/2	2,137.66	1/2	1,848.66	1/2	1,559.65	1/2	1,270.64	1/2	981.63	1/2	692.62	1/2	403.62	1/2	120.74	1/2	0.94	
3/4	4,147.66	3/4	3,865.69	3/4	3,576.68	3/4	3,287.68	3/4	2,998.67	3/4	2,709.66	3/4	2,420.65	3/4	2,131.64	3/4	1,842.64	3/4	1,553.63	3/4	1,264.62	3/4	975.61	3/4	686.60	3/4	397.60	3/4	114.94	3/4	0.89	
7	4,143.33	7	3,859.67	7	3,570.66	7	3,281.65	7	2,992.65	7	2,703.64	7	2,414.63	7	2,125.62	7	1,836.61	7	1,547.61	7	1,258.60	7	969.59	7	680.58	7	391.57	7	109.14	7	0.85	
1/4	4,138.31	1/4	3,853.65	1/4	3,564.64	1/4	3,275.63	1/4	2,986.63	1/4	2,697.62	1/4	2,408.61	1/4	2,119.60	1/4	1,830.59	1/4	1,541.59	1/4	1,252.58	1/4	963.57	1/4	674.56	1/4	385.55	1/4	103.33	1/4	0.80	
1/2	4,133.29	1/2	3,847.63	1/2	3,558.62	1/2	3,269.61	1/2	2,980.60	1/2	2,691.60	1/2	2,402.59	1/2	2,113.58	1/2	1,824.57	1/2	1,535.56	1/2	1,246.56	1/2	957.55	1/2	668.54	1/2	379.53	1/2	97.53	1/2	0.75	
3/4	4,128.27	3/4	3,841.61	3/4	3,552.60	3/4	3,263.59	3/4	2,974.58	3/4	2,685.58	3/4	2,396.57	3/4	2,107.56	3/4	1,818.55	3/4	1,529.54	3/4	1,240.54	3/4	951.53	3/4	662.52	3/4	373.51	3/4	91.73	3/4	0.70	
8	4,123.26	8	3,835.59	8	3,546.58	8	3,257.57	8	2,968.56	8	2,679.55	8	2,390.55	8	2,101.54	8	1,812.53	8	1,523.52	8	1,234.51	8	945.51	8	656.50	8	367.49	8	85.93	8	0.66	
1/4	4,117.57	1/4	3,829.57	1/4																												



BARGE "GRIFCO 3804"
GRIFCO TRANSPORTATION THREE, LTD

TANK NO.
4 PORT

OUTAGE TABLE

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

HULL NO. 4466

	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.	15 FT.	16 FT.	17 FT.	18 FT.
0	0	4,020.18	3,732.18	3,444.18	3,156.18	2,868.18	2,580.18	2,292.18	2,004.18	1,716.18	1,428.18	1,140.18	852.18	564.18	276.40	17.87	0
1/4	1/4	4,194.20	4,014.18	3,726.18	3,438.18	3,150.18	2,862.18	2,574.18	2,286.18	1,998.18	1,710.18	1,422.18	1,134.18	846.18	558.18	270.62	15.26
1/2	1/2	4,193.87	4,008.18	3,720.18	3,432.18	3,144.18	2,856.18	2,568.18	2,280.18	1,992.18	1,704.18	1,416.18	1,128.18	840.18	552.18	264.84	12.65
3/4	3/4	4,193.54	4,002.18	3,714.18	3,426.18	3,138.18	2,850.18	2,562.18	2,274.18	1,986.18	1,698.18	1,410.18	1,122.18	834.18	546.18	259.06	10.84
1	1	4,193.20	3,996.18	3,708.18	3,420.18	3,132.18	2,844.18	2,556.18	2,268.18	1,980.18	1,692.18	1,404.18	1,116.18	828.18	540.18	253.27	8.48
1/4	1/4	4,192.87	3,990.18	3,702.18	3,414.18	3,126.18	2,838.18	2,550.18	2,262.18	1,974.18	1,686.18	1,398.18	1,110.18	822.18	534.18	247.49	6.91
1/2	1/2	4,191.87	3,984.18	3,696.18	3,408.18	3,120.18	2,832.18	2,544.18	2,256.18	1,968.18	1,680.18	1,392.18	1,104.18	816.18	528.18	241.71	5.35
3/4	3/4	4,190.87	3,978.18	3,690.18	3,402.18	3,114.18	2,826.18	2,538.18	2,250.18	1,962.18	1,674.18	1,386.18	1,098.18	810.18	522.18	235.93	3.78
2	2	4,189.87	3,972.18	3,684.18	3,396.18	3,108.18	2,820.18	2,532.18	2,244.18	1,956.18	1,668.18	1,380.18	1,092.18	804.18	516.18	230.15	2.36
1/4	1/4	4,188.86	3,966.18	3,678.18	3,390.18	3,102.18	2,814.18	2,526.18	2,238.18	1,950.18	1,662.18	1,374.18	1,086.18	798.18	510.18	224.37	2.74
1/2	1/2	4,187.20	3,960.18	3,672.18	3,384.18	3,096.18	2,808.18	2,520.18	2,232.18	1,944.18	1,656.18	1,368.18	1,080.18	792.18	504.18	218.59	2.21
3/4	3/4	4,185.53	3,954.18	3,666.18	3,378.18	3,090.18	2,802.18	2,514.18	2,226.18	1,938.18	1,650.18	1,362.18	1,074.18	786.18	498.18	212.81	1.69
3	3	4,183.86	3,948.18	3,660.18	3,372.18	3,084.18	2,796.18	2,508.18	2,220.18	1,932.18	1,644.18	1,356.18	1,068.18	780.18	492.18	207.03	1.64
1/4	1/4	4,182.20	3,942.18	3,654.18	3,366.18	3,078.18	2,790.18	2,502.18	2,214.18	1,926.18	1,638.18	1,350.18	1,062.18	774.18	486.18	201.25	1.60
1/2	1/2	4,179.86	3,936.18	3,648.18	3,360.18	3,072.18	2,784.18	2,496.18	2,208.18	1,920.18	1,632.18	1,344.18	1,056.18	768.18	480.18	195.46	1.55
3/4	3/4	4,177.53	3,930.18	3,642.18	3,354.18	3,066.18	2,778.18	2,490.18	2,202.18	1,914.18	1,626.18	1,338.18	1,050.18	762.18	474.18	189.68	1.50
4	4	4,175.19	3,924.18	3,636.18	3,348.18	3,060.18	2,772.18	2,484.18	2,196.18	1,908.18	1,620.18	1,332.18	1,044.18	756.18	468.18	183.90	1.46
1/4	1/4	4,172.86	3,918.18	3,630.18	3,342.18	3,054.18	2,766.18	2,478.18	2,190.18	1,902.18	1,614.18	1,326.18	1,038.18	750.18	462.18	178.12	1.41
1/2	1/2	4,169.86	3,912.18	3,624.18	3,336.18	3,048.18	2,760.18	2,472.18	2,184.18	1,896.18	1,608.18	1,320.18	1,032.18	744.18	456.18	172.34	1.36
3/4	3/4	4,166.86	3,906.18	3,618.18	3,330.18	3,042.18	2,754.18	2,466.18	2,178.18	1,890.18	1,602.18	1,314.18	1,026.18	738.18	450.18	166.56	1.32
5	5	4,163.86	3,900.18	3,612.18	3,324.18	3,036.18	2,748.18	2,460.18	2,172.18	1,884.18	1,596.18	1,308.18	1,020.18	732.18	444.18	160.78	1.27
1/4	1/4	4,160.86	3,894.18	3,606.18	3,318.18	3,030.18	2,742.18	2,454.18	2,166.18	1,878.18	1,590.18	1,302.18	1,014.18	726.18	438.18	155.00	1.22
1/2	1/2	4,157.19	3,888.18	3,600.18	3,312.18	3,024.18	2,736.18	2,448.18	2,160.18	1,872.18	1,584.18	1,296.18	1,008.18	720.18	432.18	149.22	1.17
3/4	3/4	4,153.52	3,882.18	3,594.18	3,306.18	3,018.18	2,730.18	2,442.18	2,154.18	1,866.18	1,578.18	1,290.18	1,002.18	714.18	426.18	143.44	1.13
6	6	4,149.86	3,876.18	3,588.18	3,300.18	3,012.18	2,724.18	2,436.18	2,148.18	1,860.18	1,572.18	1,284.18	996.18	708.18	420.18	137.65	1.08
1/4	1/4	4,146.19	3,870.18	3,582.18	3,294.18	3,006.18	2,718.18	2,430.18	2,142.18	1,854.18	1,566.18	1,278.18	990.18	702.18	414.18	131.87	1.03
1/2	1/2	4,141.85	3,864.18	3,576.18	3,288.18	3,000.18	2,712.18	2,424.18	2,136.18	1,848.18	1,560.18	1,272.18	984.18	696.18	408.18	126.09	0.99
3/4	3/4	4,137.52	3,858.18	3,570.18	3,282.18	2,994.18	2,706.18	2,418.18	2,130.18	1,842.18	1,554.18	1,266.18	978.18	690.18	402.18	120.31	0.94
7	7	4,133.19	3,852.18	3,564.18	3,276.18	2,988.18	2,700.18	2,412.18	2,124.18	1,836.18	1,548.18	1,260.18	972.18	684.18	396.18	114.53	0.89
1/4	1/4	4,128.85	3,846.18	3,558.18	3,270.18	2,982.18	2,694.18	2,406.18	2,118.18	1,830.18	1,542.18	1,254.18	966.18	678.18	390.18	108.75	0.85
1/2	1/2	4,123.85	3,840.18	3,552.18	3,264.18	2,976.18	2,688.18	2,400.18	2,112.18	1,824.18	1,536.18	1,248.18	960.18	672.18	384.18	102.97	0.80
3/4	3/4	4,118.85	3,834.18	3,546.18	3,258.18	2,970.18	2,682.18	2,394.18	2,106.18	1,818.18	1,530.18	1,242.18	954.18	666.18	378.18	97.19	0.75
8	8	4,113.85	3,828.18	3,540.18	3,252.18	2,964.18	2,676.18	2,388.18	2,100.18	1,812.18	1,524.18	1,236.18	948.18	660.18	372.18	91.41	0.70
1/4	1/4	4,108.85	3,822.18	3,534.18	3,246.18	2,958.18	2,670.18	2,382.18	2,094.18	1,806.18	1,518.18	1,230.18	942.18	654.18	366.18	85.63	0.66
1/2	1/2	4,103.18	3,816.18	3,528.18	3,240.18	2,952.18	2,664.18	2,376.18	2,088.18	1,800.18	1,512.18	1,224.18	936.18	648.18	360.18	79.84	0.61
3/4	3/4	4,097.51	3,810.18	3,522.18	3,234.18	2,946.18	2,658.18	2,370.18	2,082.18	1,794.18	1,506.18	1,218.18	930.18	642.18	354.18	74.06	0.56
9	9	4,091.85	3,804.18	3,516.18	3,228.18	2,940.18	2,652.18	2,364.18	2,076.18	1,788.18	1,500.18	1,212.18	924.18	636.18	348.18	68.28	0.52
1/4	1/4	4,086.18	3,798.18	3,510.18	3,222.18	2,934.18	2,646.18	2,358.18	2,070.18	1,782.18	1,494.18	1,206.18	918.18	630.18	342.18	62.89	0.47
1/2	1/2	4,080.18	3,792.18	3,504.18	3,216.18	2,928.18	2,640.18	2,352.18	2,064.18	1,776.18	1,488.18	1,200.18	912.18	624.18	336.18	57.50	0.42
3/4	3/4	4,074.18	3,786.18	3,498.18	3,210.18	2,922.18	2,634.18	2,346.18	2,058.18	1,770.18	1,482.18	1,194.18	906.18	618.18	330.18	52.12	0.38
10	10	4,068.18	3,780.18	3,492.18	3,204.18	2,916.18	2,628.18	2,340.18	2,052.18	1,764.18	1,476.18	1,188.18	900.18	612.18	324.18	47.84	0.33
1/4	1/4	4,062.18	3,774.18	3,486.18	3,198.18	2,910.18	2,622.18	2,334.18	2,046.18	1,760.18	1,470.18	1,182.18	894.18	606.18	318.18	43.16	0.28
1/2	1/2	4,056.18	3,768.18	3,480.18	3,192.18	2,904.18	2,616.18	2,328.18	2,040.18	1,752.18	1,464.18	1,176.18	888.18	600.18	312.18	38.68	0.23
3/4	3/4	4,050.18	3,762.18	3,474.18	3,186.18	2,898.18	2,610.18	2,322.18	2,034.18	1,746.18	1,458.18	1,170.18	882.18	594.18	306.18	34.21	0.19
11	11	4,044.18	3,756.18	3,468.18	3,180.18	2,892.18	2,604.18	2,316.18	2,028.18	1,740.18	1,452.18	1,164.18	876.18	588.18	300.18	30.77	0.14
1/4	1/4	4,038.18	3,750.18	3,462.18	3,174.18	2,886.18	2,598.18	2,310.18	2,022.18	1,734.18	1,446.18	1,158.18	870.18	582.18	294.18	27.34	0.09
1/2	1/2	4,032.18	3,744.18	3,456.18	3,168.18	2,880.18	2,592.18	2,304.18	2,016.18	1,728.18	1,440.18	1,152.18	864.18	576.18	288.18	23.91	0.05
3/4	3/4	4,026.18	3,738.18	3,450.18	3,162.18	2,874.18	2,586.18	2,298.18	2,010.18	1,722.18	1,434.18	1,146.18	858.18	570.18	282.18	20.48	0.00

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 5/24/04

* SUMP

REFERENCE GAUGE HEIGHT: 17'-11 3/4" (RIM OF 10" DIAMETER STANDPIPE OPPOSITE HINGE)

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

[Signature]
INSPECTORATE AMERICA CORPORATION



BARGE "GRIFCO 3804"
GRIFCO TRANSPORTATION THREE, LTD

TANK NO.
4 STAR

OUTAGE TABLE

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

HULL NO. 4466

	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.	15 FT.	16 FT.	17 FT.
0	4,194.20	4,014.18	3,726.18	3,438.18	3,150.18	2,862.18	2,574.18	2,286.18	1,998.18	1,710.18	1,422.18	1,134.18	846.18	558.18	270.62	15.26
1/4	4,193.87	4,008.18	3,720.18	3,432.18	3,144.18	2,856.18	2,568.18	2,280.18	1,992.18	1,704.18	1,416.18	1,128.18	840.18	552.18	264.84	12.65
1/2	4,193.54	4,002.18	3,714.18	3,426.18	3,138.18	2,850.18	2,562.18	2,274.18	1,986.18	1,698.18	1,410.18	1,122.18	834.18	546.18	259.06	10.04
3/4	4,193.20	3,996.18	3,708.18	3,420.18	3,132.18	2,844.18	2,556.18	2,268.18	1,980.18	1,692.18	1,404.18	1,116.18	828.18	540.18	253.27	8.48
1	4,192.87	3,990.18	3,702.18	3,414.18	3,126.18	2,838.18	2,550.18	2,262.18	1,974.18	1,686.18	1,398.18	1,110.18	822.18	534.18	247.49	6.91
1/4	4,191.87	3,984.18	3,696.18	3,408.18	3,120.18	2,832.18	2,544.18	2,256.18	1,968.18	1,680.18	1,392.18	1,104.18	816.18	528.18	241.71	5.35
1/2	4,190.87	3,978.18	3,690.18	3,402.18	3,114.18	2,826.18	2,538.18	2,250.18	1,962.18	1,674.18	1,386.18	1,098.18	810.18	522.18	235.93	3.78
3/4	4,189.87	3,972.18	3,684.18	3,396.18	3,108.18	2,820.18	2,532.18	2,244.18	1,956.18	1,668.18	1,380.18	1,092.18	804.18	516.18	230.15	3.26
2	4,188.86	3,966.18	3,678.18	3,390.18	3,102.18	2,814.18	2,526.18	2,238.18	1,950.18	1,662.18	1,374.18	1,086.18	798.18	510.18	224.37	2.74
1/4	4,187.20	3,960.18	3,672.18	3,384.18	3,096.18	2,808.18	2,520.18	2,232.18	1,944.18	1,656.18	1,368.18	1,080.18	792.18	504.18	218.59	2.21
1/2	4,185.53	3,954.18	3,666.18	3,378.18	3,090.18	2,802.18	2,514.18	2,226.18	1,938.18	1,650.18	1,362.18	1,074.18	786.18	498.18	212.81	1.69
3/4	4,183.86	3,948.18	3,660.18	3,372.18	3,084.18	2,796.18	2,508.18	2,220.18	1,932.18	1,644.18	1,356.18	1,068.18	780.18	492.18	207.03	1.64
3	4,182.20	3,942.18	3,654.18	3,366.18	3,078.18	2,790.18	2,502.18	2,214.18	1,926.18	1,638.18	1,350.18	1,062.18	774.18	486.18	201.25	1.60
1/4	4,179.86	3,936.18	3,648.18	3,360.18	3,072.18	2,784.18	2,496.18	2,208.18	1,920.18	1,632.18	1,344.18	1,056.18	768.18	480.18	195.46	1.55
1/2	4,177.53	3,930.18	3,642.18	3,354.18	3,066.18	2,778.18	2,490.18	2,202.18	1,914.18	1,626.18	1,338.18	1,050.18	762.18	474.18	189.68	1.50
3/4	4,175.19	3,924.18	3,636.18	3,348.18	3,060.18	2,772.18	2,484.18	2,196.18	1,908.18	1,620.18	1,332.18	1,044.18	756.18	468.18	183.90	1.46
4	4,172.86	3,918.18	3,630.18	3,342.18	3,054.18	2,766.18	2,478.18	2,190.18	1,902.18	1,614.18	1,326.18	1,038.18	750.18	462.18	178.12	1.41
1/4	4,169.86	3,912.18	3,624.18	3,336.18	3,048.18	2,760.18	2,472.18	2,184.18	1,896.18	1,608.18	1,320.18	1,032.18	744.18	456.18	172.34	1.36
1/2	4,166.86	3,906.18	3,618.18	3,330.18	3,042.18	2,754.18	2,466.18	2,178.18	1,890.18	1,602.18	1,314.18	1,026.18	738.18	450.18	166.56	1.32
3/4	4,163.86	3,900.18	3,612.18	3,324.18	3,036.18	2,748.18	2,460.18	2,172.18	1,884.18	1,596.18	1,308.18	1,020.18	732.18	444.18	160.78	1.27
5	4,160.86	3,894.18	3,606.18	3,318.18	3,030.18	2,742.18	2,454.18	2,166.18	1,878.18	1,590.18	1,302.18	1,014.18	726.18	438.18	155.00	1.22
1/4	4,157.19	3,888.18	3,600.18	3,312.18	3,024.18	2,736.18	2,448.18	2,160.18	1,872.18	1,584.18	1,296.18	1,008.18	720.18	432.18	149.22	1.17
1/2	4,153.52	3,882.18	3,594.18	3,306.18	3,018.18	2,730.18	2,442.18	2,154.18	1,866.18	1,578.18	1,290.18	1,002.18	714.18	426.18	143.44	1.13
3/4	4,149.86	3,876.18	3,588.18	3,300.18	3,012.18	2,724.18	2,436.18	2,148.18	1,860.18	1,572.18	1,284.18	996.18	708.18	420.18	137.65	1.08
6	4,146.19	3,870.18	3,582.18	3,294.18	3,006.18	2,718.18	2,430.18	2,142.18	1,854.18	1,566.18	1,278.18	990.18	702.18	414.18	131.87	1.03
1/4	4,141.85	3,864.18	3,576.18	3,288.18	3,000.18	2,712.18	2,424.18	2,136.18	1,848.18	1,560.18	1,272.18	984.18	696.18	408.18	126.09	0.99
1/2	4,137.52	3,858.18	3,570.18	3,282.18	2,994.18	2,706.18	2,418.18	2,130.18	1,842.18	1,554.18	1,266.18	978.18	690.18	402.18	120.31	0.94
3/4	4,133.19	3,852.18	3,564.18	3,276.18	2,988.18	2,700.18	2,412.18	2,124.18	1,836.18	1,548.18	1,260.18	972.18	684.18	396.18	114.53	0.89
7	4,128.85	3,846.18	3,558.18	3,270.18	2,982.18	2,694.18	2,406.18	2,118.18	1,830.18	1,542.18	1,254.18	966.18	678.18	390.18	108.75	0.85
1/4	4,123.85	3,840.18	3,552.18	3,264.18	2,976.18	2,688.18	2,400.18	2,112.18	1,824.18	1,536.18	1,248.18	960.18	672.18	384.18	102.97	0.80
1/2	4,118.85	3,834.18	3,546.18	3,258.18	2,970.18	2,682.18	2,394.18	2,106.18	1,818.18	1,530.18	1,242.18	954.18	666.18	378.18	97.19	0.75
3/4	4,113.85	3,828.18	3,540.18	3,252.18	2,964.18	2,676.18	2,388.18	2,100.18	1,812.18	1,524.18	1,236.18	948.18	660.18	372.18	91.41	0.70
8	4,108.85	3,822.18	3,534.18	3,246.18	2,958.18	2,670.18	2,382.18	2,094.18	1,806.18	1,518.18	1,230.18	942.18	654.18	366.18	85.63	0.66
1/4	4,103.18	3,816.18	3,528.18	3,240.18	2,952.18	2,664.18	2,376.18	2,088.18	1,800.18	1,512.18	1,224.18	936.18	648.18	360.18	79.84	0.61
1/2	4,097.51	3,810.18	3,522.18	3,234.18	2,946.18	2,658.18	2,370.18	2,082.18	1,794.18	1,506.18	1,218.18	930.18	642.18	354.18	74.06	0.56
3/4	4,091.85	3,804.18	3,516.18	3,228.18	2,940.18	2,652.18	2,364.18	2,076.18	1,788.18	1,500.18	1,212.18	924.18	636.18	348.18	68.28	0.52
9	4,086.18	3,798.18	3,510.18	3,222.18	2,934.18	2,646.18	2,358.18	2,070.18	1,782.18	1,494.18	1,206.18	918.18	630.18	342.18	62.89	0.47
1/4	4,080.18	3,792.18	3,504.18	3,216.18	2,928.18	2,640.18	2,352.18	2,064.18	1,776.18	1,488.18	1,200.18	912.18	624.18	336.18	57.50	0.42
1/2	4,074.18	3,786.18	3,498.18	3,210.18	2,922.18	2,634.18	2,346.18	2,058.18	1,770.18	1,482.18	1,194.18	906.18	618.18	330.18	52.12	0.38
3/4	4,068.18	3,780.18	3,492.18	3,204.18	2,916.18	2,628.18	2,340.18	2,052.18	1,764.18	1,476.18	1,188.18	900.18	612.18	324.18	47.64	0.33
10	4,062.18	3,774.18	3,486.18	3,198.18	2,910.18	2,622.18	2,334.18	2,046.18	1,758.18	1,470.18	1,182.18	894.18	606.18	318.18	43.16	0.28
1/4	4,056.18	3,768.18	3,480.18	3,192.18	2,904.18	2,616.18	2,328.18	2,040.18	1,752.18	1,464.18	1,176.18	888.18	600.18	312.18	38.68	0.23
1/2	4,050.18	3,762.18	3,474.18	3,186.18	2,898.18	2,610.18	2,322.18	2,034.18	1,746.18	1,458.18	1,170.18	882.18	594.18	306.18	34.21	0.19
3/4	4,044.18	3,756.18	3,468.18	3,180.18	2,892.18	2,604.18	2,316.18	2,028.18	1,740.18	1,452.18	1,164.18	876.18	588.18	300.18	30.77	0.14
11	4,038.18	3,750.18	3,462.18	3,174.18	2,886.18	2,598.18	2,310.18	2,022.18	1,734.18	1,446.18	1,158.18	870.18	582.18	294.18	27.34	0.09
1/4	4,032.18	3,744.18	3,456.18	3,168.18	2,880.18	2,592.18	2,304.18	2,016.18	1,728.18	1,440.18	1,152.18	864.18	576.18	288.18	23.91	0.05
1/2	4,026.18	3,738.18	3,450.18	3,162.18	2,874.18	2,586.18	2,298.18	2,010.18	1,722.18	1,434.18	1,146.18	858.18	570.18	282.18	20.48	0.00
3/4	4,020.18	3,732.18	3,444.18	3,156.18	2,868.18	2,580.18	2,292.18	2,004.18	1,716.18	1,428.18	1,140.18	852.18	564.18	276.40	17.87	0.00

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 5/24/04

* SUMP

REFERENCE GAUGE HEIGHT: 17'-11 1/2" (RIM OF 10" DIAMETER STANDPIPE OPPOSITE HINGE)

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 INSPECTORATE AMERICA CORPORATION



BARGE "GRIFCO 3804" GRIFCO TRANSPORTATION THREE, LTD

TANK NO.
5 PORT

OUTAGE TABLE

HULL NO. 4466

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

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.		15 FT.		16 FT.		17 FT.		18 FT.			
N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0
0		0	3,634.01	0	3,577.90	0	3,521.78	0	3,449.77	0	3,152.61	0	2,836.82	0	2,521.03	0	2,205.23	0	1,889.44	0	1,573.65	0	1,257.86	0	942.06	0	626.27	0	310.48	0	22.28	0	0.00		
1/4		1/4	3,632.84	1/4	3,576.73	1/4	3,520.61	1/4	3,448.23	1/4	3,146.03	1/4	2,830.24	1/4	2,514.45	1/4	2,198.65	1/4	1,882.86	1/4	1,567.07	1/4	1,251.28	1/4	935.49	1/4	619.69	1/4	304.12	1/4	19.42	1/4	1.4		
1/2	3,666.74	1/2	3,631.67	1/2	3,575.56	1/2	3,519.45	1/2	3,441.81	1/2	3,139.45	1/2	2,823.66	1/2	2,507.87	1/2	2,192.07	1/2	1,876.28	1/2	1,560.49	1/2	1,244.70	1/2	928.91	1/2	613.11	1/2	297.76	1/2	16.56	1/2	1.4		
3/4	3,666.67	3/4	3,630.50	3/4	3,574.39	3/4	3,518.28	3/4	3,437.40	3/4	3,132.87	3/4	2,817.08	3/4	2,501.29	3/4	2,185.50	3/4	1,869.70	3/4	1,553.91	3/4	1,238.12	3/4	922.33	3/4	606.54	3/4	291.40	3/4	13.70	3/4	1.4		
1	3,666.61	1	3,629.33	1	3,573.22	1	3,517.11	1	3,432.98	1	3,126.29	1	2,810.50	1	2,494.71	1	2,178.92	1	1,863.12	1	1,547.33	1	1,231.54	1	915.75	1	599.96	1	285.04	1	10.84	1	1.4		
1/4	3,666.54	1/4	3,628.16	1/4	3,572.05	1/4	3,515.94	1/4	3,428.57	1/4	3,119.71	1/4	2,803.92	1/4	2,488.13	1/4	2,172.34	1/4	1,856.55	1/4	1,540.75	1/4	1,224.96	1/4	909.17	1/4	593.38	1/4	278.68	1/4	9.13	1/4	1.4		
1/2	3,666.48	1/2	3,626.99	1/2	3,570.88	1/2	3,514.77	1/2	3,423.29	1/2	3,113.14	1/2	2,797.34	1/2	2,481.55	1/2	2,165.76	1/2	1,849.97	1/2	1,534.17	1/2	1,218.38	1/2	902.59	1/2	586.80	1/2	272.32	1/2	7.41	1/2	1.4		
3/4	3,666.28	3/4	3,625.82	3/4	3,569.71	3/4	3,513.60	3/4	3,418.01	3/4	3,106.56	3/4	2,790.76	3/4	2,474.97	3/4	2,159.18	3/4	1,843.39	3/4	1,527.60	3/4	1,211.80	3/4	896.01	3/4	580.22	3/4	265.96	3/4	5.70	3/4	1.4		
2	3,666.09	2	3,624.66	2	3,568.54	2	3,512.43	2	3,412.73	2	3,099.98	2	2,784.19	2	2,468.39	2	2,152.60	2	1,836.81	2	1,521.02	2	1,205.22	2	889.43	2	573.64	2	259.60	2	3.98	2	1.4		
1/4	3,665.89	1/4	3,623.49	1/4	3,567.37	1/4	3,511.26	1/4	3,407.45	1/4	3,093.40	1/4	2,777.61	1/4	2,461.81	1/4	2,146.02	1/4	1,830.23	1/4	1,514.44	1/4	1,198.65	1/4	882.85	1/4	567.06	1/4	253.24	1/4	3.41	1/4	1.4		
1/2	3,665.70	1/2	3,622.32	1/2	3,566.21	1/2	3,510.09	1/2	3,401.31	1/2	3,086.82	1/2	2,771.03	1/2	2,455.23	1/2	2,139.44	1/2	1,823.65	1/2	1,507.86	1/2	1,192.07	1/2	876.27	1/2	560.48	1/2	246.88	1/2	2.84	1/2	1.4		
3/4	3,665.37	3/4	3,621.15	3/4	3,565.04	3/4	3,508.92	3/4	3,395.16	3/4	3,080.24	3/4	2,764.45	3/4	2,448.66	3/4	2,132.86	3/4	1,817.07	3/4	1,501.28	3/4	1,185.49	3/4	869.70	3/4	553.90	3/4	240.52	3/4	2.26	3/4	1.4		
3	3,665.05	3	3,619.98	3	3,563.87	3	3,507.76	3	3,389.02	3	3,073.66	3	2,757.87	3	2,442.08	3	2,126.28	3	1,810.49	3	1,494.70	3	1,178.91	3	863.12	3	547.32	3	234.16	3	1.69	3	1.4		
1/4	3,664.72	1/4	3,618.81	1/4	3,562.70	1/4	3,506.59	1/4	3,387.87	1/4	3,067.08	1/4	2,751.29	1/4	2,435.50	1/4	2,119.71	1/4	1,803.93	1/4	1,488.12	1/4	1,172.33	1/4	856.54	1/4	540.75	1/4	227.80	1/4	1.64	1/4	1.4		
1/2	3,664.40	1/2	3,617.64	1/2	3,561.53	1/2	3,505.42	1/2	3,376.30	1/2	3,060.50	1/2	2,744.71	1/2	2,428.92	1/2	2,113.13	1/2	1,797.33	1/2	1,481.54	1/2	1,165.75	1/2	849.96	1/2	534.17	1/2	221.44	1/2	1.60	1/2	1.4		
3/4	3,663.94	3/4	3,616.47	3/4	3,560.36	3/4	3,504.25	3/4	3,359.72	3/4	3,053.92	3/4	2,738.13	3/4	2,422.34	3/4	2,106.55	3/4	1,790.76	3/4	1,474.96	3/4	1,159.17	3/4	843.38	3/4	527.59	3/4	215.08	3/4	1.55	3/4	1.4		
4	3,663.49	4	3,615.30	4	3,559.19	4	3,503.08	4	3,363.14	4	3,047.35	4	2,731.55	4	2,415.76	4	2,099.97	4	1,784.18	4	1,468.38	4	1,152.59	4	836.80	4	521.01	4	208.72	4	1.50	4	1.4		
1/4	3,663.03	1/4	3,614.13	1/4	3,558.02	1/4	3,501.91	1/4	3,356.56	1/4	3,040.77	1/4	2,724.97	1/4	2,409.18	1/4	2,093.39	1/4	1,777.60	1/4	1,461.81	1/4	1,146.01	1/4	830.22	1/4	514.43	1/4	202.36	1/4	1.46	1/4	1.4		
1/2	3,662.58	1/2	3,612.97	1/2	3,556.85	1/2	3,500.74	1/2	3,349.98	1/2	3,034.19	1/2	2,718.40	1/2	2,402.60	1/2	2,086.81	1/2	1,771.02	1/2	1,455.23	1/2	1,139.43	1/2	823.64	1/2	507.85	1/2	196.00	1/2	1.41	1/2	1.4		
3/4	3,661.99	3/4	3,611.80	3/4	3,555.68	3/4	3,499.57	3/4	3,343.40	3/4	3,027.61	3/4	2,711.82	3/4	2,396.02	3/4	2,080.23	3/4	1,764.44	3/4	1,448.65	3/4	1,132.86	3/4	817.06	3/4	501.27	3/4	189.64	3/4	1.36	3/4	1.4		
5	3,661.41	5	3,610.63	5	3,554.52	5	3,498.40	5	3,336.82	5	3,021.03	5	2,705.24	5	2,389.44	5	2,073.85	5	1,757.86	5	1,442.07	5	1,126.28	5	810.48	5	494.69	5	183.28	5	1.32	5	1.4		
1/4	3,660.83	1/4	3,609.46	1/4	3,553.35	1/4	3,497.23	1/4	3,330.24	1/4	3,014.45	1/4	2,698.66	1/4	2,382.87	1/4	2,067.07	1/4	1,751.28	1/4	1,435.49	1/4	1,119.70	1/4	803.91	1/4	488.11	1/4	176.92	1/4	1.27	1/4	1.4		
1/2	3,660.24	1/2	3,608.29	1/2	3,552.18	1/2	3,496.07	1/2	3,323.66	1/2	3,007.87	1/2	2,692.08	1/2	2,376.29	1/2	2,060.49	1/2	1,744.70	1/2	1,428.91	1/2	1,113.12	1/2	797.33	1/2	481.53	1/2	170.56	1/2	1.22	1/2	1.4		
3/4	3,659.53	3/4	3,607.12	3/4	3,551.01	3/4	3,494.80	3/4	3,317.08	3/4	3,001.29	3/4	2,685.50	3/4	2,369.71	3/4	2,053.92	3/4	1,738.12	3/4	1,422.33	3/4	1,106.54	3/4	790.75	3/4	474.96	3/4	164.20	3/4	1.17	3/4	1.4		
6	3,658.81	6	3,605.95	6	3,549.84	6	3,493.73	6	3,310.51	6	2,994.71	6	2,678.92	6	2,363.13	6	2,047.34	6	1,731.54	6	1,415.75	6	1,099.96	6	784.17	6	468.38	6	157.84	6	1.13	6	1.4		
1/4	3,658.10	1/4	3,604.78	1/4	3,548.67	1/4	3,492.56	1/4	3,303.93	1/4	2,988.13	1/4	2,672.34	1/4	2,356.55	1/4	2,040.76	1/4	1,724.97	1/4	1,409.17	1/4	1,093.38	1/4	777.59	1/4	461.80	1/4	151.48	1/4	1.08	1/4	1.4		
1/2	3,657.39	1/2	3,603.61	1/2	3,547.50	1/2	3,491.39	1/2	3,297.35	1/2	2,981.56	1/2	2,665.76	1/2	2,349.97	1/2	2,034.18	1/2	1,718.39	1/2	1,402.59	1/2	1,086.80	1/2	771.81	1/2	455.22	1/2	145.12	1/2	1.03	1/2	1.4		
3/4	3,656.54	3/4	3,602.44	3/4	3,546.33	3/4	3,490.22	3/4	3,290.77	3/4	2,974.98	3/4	2,659.18	3/4	2,343.39	3/4	2,027.60	3/4	1,711.81	3/4	1,396.02	3/4	1,080.22	3/4	764.43	3/4	448.64	3/4	138.76	3/4	0.99	3/4	1.4		
7	3,655.70	7	3,601.28	7	3,545.16	7	3,489.05	7	3,284.19	7	2,968.40	7	2,652.61	7	2,336.81	7	2,021.02	7	1,705.23	7	1,389.44	7	1,073.64	7	757.85	7	442.06	7	132.40	7	0.94	7	1.4		
1/4	3,654.85	1/4	3,600.11	1/4	3,543.99	1/4	3,487.88	1/4	3,277.61	1/4	2,961.82	1/4	2,646.03	1/4	2,330.23	1/4	2,014.44	1/4	1,698.65	1/4	1,382.86	1/4	1,067.07	1/4	751.27	1/4	435.48	1/4	126.04	1/4	0.89	1/4	1.4		
1/2	3,654.01	1/2	3,598.94	1/2	3,542.83	1/2	3,486.71	1/2	3,271.03	1/2	2,955.24	1/2	2,639.45	1/2	2,323.65	1/2	2,007.86	1/2	1,692.07	1/2	1,376.28	1/2	1,060.49	1/2	744.69	1/2	428.90	1/2	119.68	1/2	0.85	1/2	1.4		
3/4	3,653.04	3/4	3,597.77	3/4	3,541.66	3/4	3,485.54	3/4	3,264.45	3/4	2,948.66	3/4	2,632.87	3/4	2,317.08	3/4	2,001.28	3/4	1,685.49	3/4	1,369.70	3/4	1,053.91	3/4	738.12	3/4	422.32	3/4	113.32	3/4	0.80	3/4	1.4		
8	3,652.06	8	3,596.60	8	3,540.49	8	3,48																												



BARGE "GRIFCO 3804"
GRIFCO TRANSPORTATION THREE, LTD
OUTAGE TABLE

TANK NO.
5 STAR

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

HULL NO. 4466

	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.		15 FT.		16 FT.		17 FT.		18 FT.		
0																																			
1/4	3,666.74	1/4	3,632.84	1/4	3,576.73	1/4	3,520.61	1/4	3,446.23	1/4	3,146.03	1/4	2,830.24	1/4	2,514.45	1/4	2,198.65	1/4	1,882.86	1/4	1,567.07	1/4	1,251.28	1/4	935.49	1/4	619.69	1/4	304.12	1/4	19.42	1/4	0	1/4	
1/2	3,666.67	1/2	3,630.50	1/2	3,574.39	1/2	3,518.28	1/2	3,437.40	1/2	3,132.87	1/2	2,817.08	1/2	2,501.29	1/2	2,185.50	1/2	1,869.70	1/2	1,553.91	1/2	1,238.12	1/2	922.33	1/2	606.54	1/2	291.40	1/2	13.70	1/2	0	1/2	
3/4	3,666.61	3/4	3,629.33	3/4	3,573.22	3/4	3,517.11	3/4	3,432.98	3/4	3,126.29	3/4	2,810.50	3/4	2,494.71	3/4	2,178.92	3/4	1,863.12	3/4	1,547.33	3/4	1,231.54	3/4	915.75	3/4	599.96	3/4	285.04	3/4	10.84	3/4	0	3/4	
1	3,666.54	1	3,628.16	1	3,572.05	1	3,515.94	1	3,428.57	1	3,119.71	1	2,803.92	1	2,488.13	1	2,172.34	1	1,856.55	1	1,540.75	1	1,224.96	1	909.17	1	593.38	1	278.68	1	9.13	1	0	1	
1/4	3,666.48	1/4	3,626.99	1/4	3,570.88	1/4	3,514.77	1/4	3,423.29	1/4	3,113.14	1/4	2,797.34	1/4	2,481.55	1/4	2,165.76	1/4	1,849.97	1/4	1,534.17	1/4	1,218.38	1/4	902.59	1/4	586.80	1/4	272.32	1/4	7.41	1/4	0	1/4	
1/2	3,666.28	1/2	3,625.82	1/2	3,569.71	1/2	3,513.60	1/2	3,418.01	1/2	3,106.56	1/2	2,790.76	1/2	2,474.97	1/2	2,159.18	1/2	1,843.39	1/2	1,527.60	1/2	1,211.80	1/2	896.01	1/2	580.22	1/2	265.96	1/2	5.70	1/2	0	1/2	
3/4	3,666.09	3/4	3,624.66	3/4	3,568.54	3/4	3,512.43	3/4	3,412.73	3/4	3,099.98	3/4	2,784.19	3/4	2,468.39	3/4	2,152.60	3/4	1,836.81	3/4	1,521.02	3/4	1,205.22	3/4	889.43	3/4	573.64	3/4	259.60	3/4	3.98	3/4	0	3/4	
2	3,665.89	2	3,623.49	2	3,567.37	2	3,511.26	2	3,407.45	2	3,093.40	2	2,777.61	2	2,461.81	2	2,146.02	2	1,830.23	2	1,514.44	2	1,198.65	2	882.85	2	567.06	2	253.24	2	3.41	2	0	2	
1/4	3,665.70	1/4	3,622.32	1/4	3,566.21	1/4	3,510.09	1/4	3,401.31	1/4	3,086.82	1/4	2,771.03	1/4	2,455.23	1/4	2,139.44	1/4	1,823.65	1/4	1,507.86	1/4	1,192.07	1/4	876.27	1/4	560.48	1/4	246.88	1/4	2.84	1/4	0	1/4	
1/2	3,665.37	1/2	3,621.15	1/2	3,565.04	1/2	3,508.92	1/2	3,395.16	1/2	3,080.24	1/2	2,764.45	1/2	2,448.66	1/2	2,132.86	1/2	1,817.07	1/2	1,501.28	1/2	1,185.49	1/2	869.70	1/2	553.90	1/2	240.52	1/2	2.26	1/2	0	1/2	
3/4	3,665.05	3/4	3,619.98	3/4	3,563.87	3/4	3,507.76	3/4	3,389.02	3/4	3,073.66	3/4	2,757.87	3/4	2,442.08	3/4	2,126.28	3/4	1,810.49	3/4	1,494.70	3/4	1,178.91	3/4	863.12	3/4	547.32	3/4	234.16	3/4	1.69	3/4	0	3/4	
3	3,664.72	3	3,618.81	3	3,562.70	3	3,506.59	3	3,382.87	3	3,067.08	3	2,751.29	3	2,435.50	3	2,119.71	3	1,803.91	3	1,488.12	3	1,172.33	3	856.54	3	540.75	3	227.80	3	1.64	3	0	3	
1/4	3,664.40	1/4	3,617.64	1/4	3,561.53	1/4	3,505.42	1/4	3,376.30	1/4	3,060.50	1/4	2,744.71	1/4	2,428.92	1/4	2,113.13	1/4	1,797.33	1/4	1,481.54	1/4	1,165.75	1/4	849.96	1/4	534.17	1/4	221.44	1/4	1.60	1/4	0	1/4	
1/2	3,663.94	1/2	3,616.47	1/2	3,560.36	1/2	3,504.25	1/2	3,369.72	1/2	3,053.92	1/2	2,738.13	1/2	2,422.34	1/2	2,106.55	1/2	1,790.76	1/2	1,474.96	1/2	1,159.17	1/2	843.38	1/2	527.59	1/2	215.08	1/2	1.55	1/2	0	1/2	
3/4	3,663.49	3/4	3,615.30	3/4	3,559.19	3/4	3,503.08	3/4	3,363.14	3/4	3,047.35	3/4	2,731.55	3/4	2,415.76	3/4	2,100.00	3/4	1,784.18	3/4	1,468.38	3/4	1,152.59	3/4	836.80	3/4	521.01	3/4	208.72	3/4	1.50	3/4	0	3/4	
4	3,663.03	4	3,614.13	4	3,558.02	4	3,501.91	4	3,356.56	4	3,040.77	4	2,724.97	4	2,409.18	4	2,093.39	4	1,777.60	4	1,461.81	4	1,146.01	4	830.22	4	514.43	4	202.36	4	1.46	4	0	4	
1/4	3,662.58	1/4	3,612.97	1/4	3,556.85	1/4	3,500.74	1/4	3,349.98	1/4	3,034.19	1/4	2,718.40	1/4	2,402.60	1/4	2,086.81	1/4	1,771.02	1/4	1,455.23	1/4	1,138.43	1/4	823.64	1/4	507.85	1/4	196.00	1/4	1.41	1/4	0	1/4	
1/2	3,661.99	1/2	3,611.80	1/2	3,555.68	1/2	3,499.57	1/2	3,343.40	1/2	3,027.61	1/2	2,711.82	1/2	2,396.02	1/2	2,080.23	1/2	1,764.44	1/2	1,448.65	1/2	1,132.86	1/2	817.06	1/2	501.27	1/2	189.64	1/2	1.36	1/2	0	1/2	
3/4	3,661.41	3/4	3,610.63	3/4	3,554.52	3/4	3,498.40	3/4	3,336.82	3/4	3,021.03	3/4	2,705.24	3/4	2,389.44	3/4	2,073.65	3/4	1,757.86	3/4	1,442.07	3/4	1,126.28	3/4	810.48	3/4	494.69	3/4	183.26	3/4	1.32	3/4	0	3/4	
5	3,660.83	5	3,609.46	5	3,553.35	5	3,497.23	5	3,330.24	5	3,014.45	5	2,698.66	5	2,382.87	5	2,067.07	5	1,751.28	5	1,435.49	5	1,119.70	5	803.91	5	488.11	5	176.92	5	1.27	5	0	5	
1/4	3,660.24	1/4	3,608.29	1/4	3,552.18	1/4	3,496.07	1/4	3,323.66	1/4	3,007.87	1/4	2,692.08	1/4	2,376.29	1/4	2,060.49	1/4	1,744.70	1/4	1,428.91	1/4	1,113.12	1/4	797.33	1/4	481.53	1/4	170.56	1/4	1.22	1/4	0	1/4	
1/2	3,659.53	1/2	3,607.12	1/2	3,551.01	1/2	3,494.90	1/2	3,317.08	1/2	3,001.29	1/2	2,685.50	1/2	2,369.71	1/2	2,053.92	1/2	1,738.12	1/2	1,422.33	1/2	1,106.54	1/2	790.75	1/2	474.96	1/2	164.20	1/2	1.17	1/2	0	1/2	
3/4	3,658.81	3/4	3,605.95	3/4	3,549.84	3/4	3,493.73	3/4	3,310.51	3/4	2,994.71	3/4	2,678.92	3/4	2,363.13	3/4	2,047.34	3/4	1,731.54	3/4	1,415.75	3/4	1,099.96	3/4	784.17	3/4	468.38	3/4	157.84	3/4	1.13	3/4	0	3/4	
6	3,658.10	6	3,604.78	6	3,548.67	6	3,492.56	6	3,303.93	6	2,988.13	6	2,672.34	6	2,356.55	6	2,040.76	6	1,724.97	6	1,409.17	6	1,093.38	6	777.59	6	461.80	6	151.48	6	1.08	6	0	6	
1/4	3,657.39	1/4	3,603.61	1/4	3,547.50	1/4	3,491.39	1/4	3,297.35	1/4	2,981.56	1/4	2,665.76	1/4	2,349.97	1/4	2,034.18	1/4	1,718.39	1/4	1,402.59	1/4	1,086.80	1/4	771.01	1/4	455.22	1/4	145.12	1/4	1.03	1/4	0	1/4	
1/2	3,656.54	1/2	3,602.44	1/2	3,546.33	1/2	3,490.22	1/2	3,290.77	1/2	2,974.98	1/2	2,659.18	1/2	2,343.39	1/2	2,027.60	1/2	1,711.81	1/2	1,396.02	1/2	1,080.22	1/2	764.43	1/2	448.64	1/2	138.76	1/2	0.99	1/2	0	1/2	
3/4	3,655.70	3/4	3,601.28	3/4	3,545.16	3/4	3,489.05	3/4	3,284.19	3/4	2,968.40	3/4	2,652.61	3/4	2,336.81	3/4	2,021.02	3/4	1,705.23	3/4	1,389.44	3/4	1,073.64	3/4	757.85	3/4	442.06	3/4	132.40	3/4	0.94	3/4	0	3/4	
7	3,654.85	7	3,600.11	7	3,543.99	7	3,487.88	7	3,277.61	7	2,961.82	7	2,646.03	7	2,330.23	7	2,014.44	7	1,698.65	7	1,382.86	7	1,067.07	7	751.27	7	435.48	7	126.04	7	0.89	7	0	7	
1/4	3,654.01	1/4	3,598.94	1/4	3,542.83	1/4	3,486.71	1/4	3,271.03	1/4	2,955.24	1/4	2,639.45	1/4	2,323.65	1/4	2,007.86	1/4	1,692.07	1/4	1,376.28	1/4	1,060.49	1/4	744.69	1/4	428.90	1/4	119.68	1/4	0.85	1/4	0	1/4	
1/2	3,653.04	1/2	3,597.77	1/2	3,541.66	1/2	3,485.54	1/2	3,264.45	1/2	2,948.66	1/2	2,632.87	1/2	2,317.08	1/2	2,001.28	1/2	1,685.49	1/2	1,369.70	1/2	1,053.91	1/2	738.12	1/2	422.32	1/2	113.32	1/2	0.80	1/2	0	1/2	
3/4	3,652.06	3/4	3,596.60	3/4	3,540.49	3/4	3,484.38	3/4	3,257.87	3/4	2,942.08	3/4	2,626.29	3/4	2,310.50	3/4	1,994.70	3/4	1,678.91	3/4	1,363.12	3/4	1,047.33	3/4	731.54	3/4	415.74	3/4	106.96	3/4	0.75	3/4	0	3/4	
8	3,651.09	8	3,595.43	8	3,539.32	8	3,483.21	8	3,251.29	8	2,935.50	8	2,619.71	8	2,303.92	8	1,988.13	8	1,672.33	8	1,356.54	8	1,040.75	8	724.96	8	409.17	8	100.60	8	0.70				