



BARGE "KIRBY 27780"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8
1 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
2 PORT	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	01-7/8	- 01-7/8
2 STBD	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	01-7/8	- 01-7/8
3 PORT	00-5/8	- 00-5/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-3/8	- 02-3/8	03-0/8	- 03-0/8	03-5/8	- 03-5/8
3 STBD	00-5/8	- 00-5/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-3/8	- 02-3/8	03-0/8	- 03-0/8	03-5/8	- 03-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 261'-00"

June 30, 2011

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27780"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
									4,871.58		4,538.90		4,189.10		3,816.90		3,439.18		3,061.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,863.80	1/4	4,531.89	1/4	4,181.55	1/4	3,809.03	1/4	3,431.31	1/4	3,053.58		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,856.01	1/2	4,524.88	1/2	4,174.01	1/2	3,801.16	1/2	3,423.44	1/2	3,045.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,848.52	3/4	4,517.84	3/4	4,166.42	3/4	3,793.29	3/4	3,415.57	3/4	3,037.84		
1	1	1	1	1	1	1	1	1	4,841.02	1	4,510.79	1	4,158.84	1	3,785.42	1	3,407.70	1	3,029.97		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,833.53	1/4	4,503.75	1/4	4,151.25	1/4	3,777.56	1/4	3,399.83	1/4	3,022.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,826.03	1/2	4,496.70	1/2	4,143.67	1/2	3,769.69	1/2	3,391.96	1/2	3,014.23		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,819.10	3/4	4,489.62	3/4	4,136.05	3/4	3,761.82	3/4	3,384.09	3/4	3,006.36		
2	2	2	2	2	2	2	2	2	4,812.18	2	4,482.54	2	4,128.42	2	3,753.95	2	3,376.22	2	2,998.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,805.25	1/4	4,475.45	1/4	4,120.80	1/4	3,746.08	1/4	3,368.35	1/4	2,990.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,798.33	1/2	4,468.37	1/2	4,113.18	1/2	3,738.21	1/2	3,360.48	1/2	2,982.76		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,791.66	3/4	4,461.25	3/4	4,105.52	3/4	3,730.34	3/4	3,352.61	3/4	2,974.89		
3	3	3	3	3	3	3	3	3	4,785.00	3	4,454.13	3	4,097.86	3	3,722.47	3	3,344.74	3	2,967.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,778.33	1/4	4,447.01	1/4	4,090.20	1/4	3,714.60	1/4	3,336.87	1/4	2,959.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,771.66	1/2	4,439.89	1/2	4,082.54	1/2	3,706.73	1/2	3,329.01	1/2	2,951.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,764.96	3/4	4,432.71	3/4	4,074.84	3/4	3,698.86	3/4	3,321.14	3/4	2,943.41		
4	4	4	4	4	4	4	4	4	4,758.26	4	4,425.53	4	4,067.14	4	3,690.99	4	3,313.27	4	2,935.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,751.55	1/4	4,418.35	1/4	4,059.44	1/4	3,683.12	1/4	3,305.40	1/4	2,927.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,744.85	1/2	4,411.17	1/2	4,051.74	1/2	3,675.25	1/2	3,297.53	1/2	2,919.80		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,738.11	3/4	4,403.91	3/4	4,044.00	3/4	3,667.39	3/4	3,289.66	3/4	2,911.93		
5	5	5	5	5	5	5	5	5	4,731.37	5	4,396.65	5	4,036.27	5	3,659.52	5	3,281.79	5	2,904.06		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,724.63	1/4	4,389.39	1/4	4,028.53	1/4	3,651.65	1/4	3,273.92	1/4	2,896.19		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,717.89	1/2	4,382.13	1/2	4,020.80	1/2	3,643.78	1/2	3,266.05	1/2	2,888.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,711.11	3/4	4,374.81	3/4	4,013.02	3/4	3,635.91	3/4	3,258.18	3/4	2,880.46		
6	6	6	6	6	6	6	6	6	4,704.33	6	4,367.49	6	4,005.25	6	3,628.04	6	3,250.31	6	2,872.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,697.55	1/4	4,360.17	1/4	3,997.47	1/4	3,620.17	1/4	3,242.44	1/4	2,864.72		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,690.77	1/2	4,352.85	1/2	3,989.70	1/2	3,612.30	1/2	3,234.57	1/2	2,856.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,683.95	3/4	4,345.50	3/4	3,981.88	3/4	3,604.43	3/4	3,226.70	3/4	2,848.98		
7	7	7	7	7	7	7	7	7	4,677.14	7	4,338.14	7	3,974.07	7	3,596.56	7	3,218.84	7	2,841.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,670.32	1/4	4,330.78	1/4	3,966.26	1/4	3,588.69	1/4	3,210.97	1/4	2,833.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,663.50	1/2	4,323.43	1/2	3,958.45	1/2	3,580.82	1/2	3,203.10	1/2	2,825.37		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,656.65	3/4	4,316.03	3/4	3,950.60	3/4	3,572.95	3/4	3,195.23	3/4	2,817.50		
8	8	8	8	8	8	8	8	8	4,649.79	8	4,308.64	8	3,942.76	8	3,565.08	8	3,187.36	8	2,809.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,642.94	1/4	4,301.24	1/4	3,934.91	1/4	3,557.21	1/4	3,179.49	1/4	2,801.76		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,966.63	1/2	4,636.08	1/2	4,293.85	1/2	3,927.07	1/2	3,549.35	1/2	3,171.62	1/2	2,793.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,961.14	3/4	4,629.19	3/4	4,286.41	3/4	3,919.20	3/4	3,541.48	3/4	3,163.75	3/4	2,786.02
9	9	9	9	9	9	9	9	9	4,955.65	9	4,622.30	9	4,278.98	9	3,911.33	9	3,533.61	9	3,155.88	9	2,778.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,950.16	1/4	4,615.40	1/4	4,271.55	1/4	3,903.46	1/4	3,525.74	1/4	3,148.01	1/4	2,770.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,944.67	1/2	4,608.51	1/2	4,264.11	1/2	3,895.59	1/2	3,517.87	1/2	3,140.14	1/2	2,762.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,937.89	3/4	4,601.58	3/4	4,256.64	3/4	3,887.73	3/4	3,510.00	3/4	3,132.27	3/4	2,754.55
10	10	10	10	10	10	10	10	10	4,931.11	10	4,594.65	10	4,249.17	10	3,879.86	10	3,502.13	10	3,124.40	10	2,746.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,924.33	1/4	4,587.72	1/4	4,241.70	1/4	3,871.99	1/4	3,494.26	1/4	3,116.53	1/4	2,738.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,917.55	1/2	4,580.79	1/2	4,234.23	1/2	3,864.12	1/2	3,486.39	1/2	3,108.66	1/2	2,730.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,909.95	3/4	4,573.82	3/4	4,226.72	3/4	3,856.25	3/4	3,478.52	3/4	3,100.80	3/4	2,723.07
11	11	11	11	11	11	11	11	11	4,902.35	11	4,566.85	11	4,219.21	11	3,848.38	11	3,470.65	11	3,092.93	11	2,715.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,894.75	1/4	4,559.88	1/4	4,211.70	1/4	3,840.51	1/4	3,462.78	1/4	3,085.06	1/4	2,707.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,887.15	1/2	4,552.91	1/2	4,204.19	1/2	3,832.64	1/2	3,454.91	1/2	3,077.19	1/2	2,699.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,879.37	3/4	4,545.90	3/4	4,196.65	3/4	3,824.77	3/4	3,447.04	3/4	3,069.32	3/4	2,691.59

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27780"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,683.72		2,306.00		1,928.27		1,550.53		1,173.57		798.19		428.36		94.09						
1/4	2,675.85	1/4	2,298.13	1/4	1,920.40	1/4	1,542.66	1/4	1,165.74	1/4	790.32	1/4	420.94	1/4	88.41	1/4		1/4			
1/2	2,667.98	1/2	2,290.26	1/2	1,912.53	1/2	1,534.79	1/2	1,157.92	1/2	782.45	1/2	413.51	1/2	82.72	1/2		1/2			
3/4	2,660.11	3/4	2,282.39	3/4	1,904.66	3/4	1,526.92	3/4	1,150.10	3/4	774.58	3/4	405.98	3/4	77.15	3/4		3/4			
1	2,652.25	1	2,274.52	1	1,896.79	1	1,519.05	1	1,142.29	1	766.72	1	398.44	1	71.58	1		1			
1/4	2,644.38	1/4	2,266.65	1/4	1,888.92	1/4	1,511.18	1/4	1,134.47	1/4	758.85	1/4	390.91	1/4	66.01	1/4		1/4			
1/2	2,636.51	1/2	2,258.78	1/2	1,881.05	1/2	1,503.31	1/2	1,126.66	1/2	750.98	1/2	383.37	1/2	60.44	1/2		1/2			
3/4	2,628.64	3/4	2,250.91	3/4	1,873.18	3/4	1,495.45	3/4	1,118.85	3/4	743.11	3/4	375.95	3/4	54.55	3/4		3/4			
2	2,620.77	2	2,243.04	2	1,865.31	2	1,487.60	2	1,111.04	2	735.24	2	368.52	2	48.65	2		2			
1/4	2,612.90	1/4	2,235.17	1/4	1,857.44	1/4	1,479.74	1/4	1,103.22	1/4	727.37	1/4	361.10	1/4	42.75	1/4		1/4			
1/2	2,605.03	1/2	2,227.30	1/2	1,849.57	1/2	1,471.89	1/2	1,095.41	1/2	719.50	1/2	353.67	1/2	36.86	1/2		1/2			
3/4	2,597.16	3/4	2,219.43	3/4	1,841.70	3/4	1,464.04	3/4	1,087.60	3/4	711.63	3/4	346.34	3/4	31.46	3/4		3/4			
3	2,589.29	3	2,211.56	3	1,833.83	3	1,456.20	3	1,079.79	3	703.76	3	339.02	3	26.07	3		3			
1/4	2,581.42	1/4	2,203.70	1/4	1,825.96	1/4	1,448.36	1/4	1,071.98	1/4	695.89	1/4	331.69	1/4	20.67	1/4		1/4			
1/2	2,573.55	1/2	2,195.83	1/2	1,818.09	1/2	1,440.52	1/2	1,064.16	1/2	688.02	1/2	324.36	1/2	15.28	1/2		1/2			
3/4	2,565.68	3/4	2,187.96	3/4	1,810.22	3/4	1,432.68	3/4	1,056.35	3/4	680.15	3/4	317.12	3/4	11.91	3/4		3/4			
4	2,557.81	4	2,180.09	4	1,802.35	4	1,424.83	4	1,048.54	4	672.28	4	309.88	4	8.53	4		4			
1/4	2,549.94	1/4	2,172.22	1/4	1,794.48	1/4	1,416.99	1/4	1,040.73	1/4	664.41	1/4	302.64	1/4		1/4		1/4			
1/2	2,542.08	1/2	2,164.35	1/2	1,786.61	1/2	1,409.15	1/2	1,032.92	1/2	656.54	1/2	295.41	1/2		1/2		1/2			
3/4	2,534.21	3/4	2,156.48	3/4	1,778.75	3/4	1,401.31	3/4	1,025.10	3/4	648.67	3/4	288.26	3/4		3/4		3/4			
5	2,526.34	5	2,148.61	5	1,770.88	5	1,393.47	5	1,017.29	5	640.80	5	281.12	5		5		5			
1/4	2,518.47	1/4	2,140.74	1/4	1,763.01	1/4	1,385.62	1/4	1,009.48	1/4	632.93	1/4	273.98	1/4		1/4		1/4			
1/2	2,510.60	1/2	2,132.87	1/2	1,755.14	1/2	1,377.78	1/2	1,001.67	1/2	625.06	1/2	266.84	1/2		1/2		1/2			
3/4	2,502.73	3/4	2,125.00	3/4	1,747.27	3/4	1,369.94	3/4	993.86	3/4	617.19	3/4	259.80	3/4		3/4		3/4			
6	2,494.86	6	2,117.13	6	1,739.40	6	1,362.10	6	986.04	6	609.32	6	252.76	6		6		6			
1/4	2,486.99	1/4	2,109.26	1/4	1,731.53	1/4	1,354.25	1/4	978.23	1/4	601.45	1/4	245.73	1/4		1/4		1/4			
1/2	2,479.12	1/2	2,101.39	1/2	1,723.66	1/2	1,346.41	1/2	970.42	1/2	593.58	1/2	238.69	1/2		1/2		1/2			
3/4	2,471.25	3/4	2,093.53	3/4	1,715.79	3/4	1,338.57	3/4	962.61	3/4	585.71	3/4	231.75	3/4		3/4		3/4			
7	2,463.38	7	2,085.66	7	1,707.92	7	1,330.72	7	954.80	7	577.84	7	224.82	7		7		7			
1/4	2,455.51	1/4	2,077.79	1/4	1,700.05	1/4	1,322.88	1/4	946.98	1/4	569.97	1/4	217.89	1/4		1/4		1/4			
1/2	2,447.64	1/2	2,069.92	1/2	1,692.18	1/2	1,315.04	1/2	939.17	1/2	562.09	1/2	210.95	1/2		1/2		1/2			
3/4	2,439.77	3/4	2,062.05	3/4	1,684.31	3/4	1,307.18	3/4	931.36	3/4	554.22	3/4	204.13	3/4		3/4		3/4			
8	2,431.91	8	2,054.18	8	1,676.44	8	1,299.33	8	923.55	8	546.35	8	197.31	8		8		8			
1/4	2,424.04	1/4	2,046.31	1/4	1,668.57	1/4	1,291.47	1/4	915.74	1/4	538.48	1/4	190.48	1/4		1/4		1/4			
1/2	2,416.17	1/2	2,038.44	1/2	1,660.70	1/2	1,283.61	1/2	907.92	1/2	530.61	1/2	183.66	1/2		1/2		1/2			
3/4	2,408.30	3/4	2,030.57	3/4	1,652.83	3/4	1,275.74	3/4	900.11	3/4	522.98	3/4	176.96	3/4		3/4		3/4			
9	2,400.43	9	2,022.70	9	1,644.96	9	1,267.87	9	892.30	9	515.34	9	170.25	9		9		9			
1/4	2,392.56	1/4	2,014.83	1/4	1,637.09	1/4	1,260.00	1/4	884.48	1/4	507.70	1/4	163.55	1/4		1/4		1/4			
1/2	2,384.69	1/2	2,006.96	1/2	1,629.22	1/2	1,252.13	1/2	876.67	1/2	500.06	1/2	156.84	1/2		1/2		1/2			
3/4	2,376.82	3/4	1,999.09	3/4	1,621.35	3/4	1,244.26	3/4	868.84	3/4	492.92	3/4	150.25	3/4		3/4		3/4			
10	2,368.95	10	1,991.22	10	1,613.48	10	1,236.39	10	861.01	10	485.77	10	143.66	10		10		10			
1/4	2,361.08	1/4	1,983.35	1/4	1,605.61	1/4	1,228.52	1/4	853.18	1/4	478.62	1/4	137.07	1/4		1/4		1/4			
1/2	2,353.21	1/2	1,975.49	1/2	1,597.74	1/2	1,220.65	1/2	845.36	1/2	471.48	1/2	130.48	1/2		1/2		1/2			
3/4	2,345.34	3/4	1,967.62	3/4	1,589.87	3/4	1,212.80	3/4	837.50	3/4	464.41	3/4	124.23	3/4		3/4		3/4			
11	2,337.47	11	1,959.75	11	1,582.01	11	1,204.94	11	829.65	11	457.34	11	117.97	11		11		11			
1/4	2,329.60	1/4	1,951.88	1/4	1,574.14	1/4	1,197.08	1/4	821.79	1/4	450.27	1/4	111.72	1/4		1/4		1/4			
1/2	2,321.73	1/2	1,944.01	1/2	1,566.27	1/2	1,189.23	1/2	813.93	1/2	443.20	1/2	105.47	1/2		1/2		1/2			
3/4	2,313.87	3/4	1,936.14	3/4	1,558.40	3/4	1,181.40	3/4	806.06	3/4	435.78	3/4	99.78	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/08/2011 CL - SW
CALCULATED: 06/09/2011 CL
REPRINTED: 06/30/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2011

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



BARGE "KIRBY 27780"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,867.51	0	4,535.43	0	4,184.92	0	3,812.24	0	3,434.34	0	3,056.43
1/4		1/4		1/4		1/4		1/4	4,859.72	1/4	4,528.42	1/4	4,177.37	1/4	3,804.37	1/4	3,426.47	1/4	3,048.56
1/2		1/2		1/2		1/2		1/2	4,852.22	1/2	4,521.37	1/2	4,169.78	1/2	3,796.50	1/2	3,418.59	1/2	3,040.69
3/4		3/4		3/4		3/4		3/4	4,844.73	3/4	4,514.32	3/4	4,162.19	3/4	3,788.62	3/4	3,410.72	3/4	3,032.82
1		1		1		1		1	4,837.23	1	4,507.27	1	4,154.61	1	3,780.75	1	3,402.85	1	3,024.94
1/4		1/4		1/4		1/4		1/4	4,829.73	1/4	4,500.23	1/4	4,147.02	1/4	3,772.88	1/4	3,394.97	1/4	3,017.07
1/2		1/2		1/2		1/2		1/2	4,822.80	1/2	4,493.14	1/2	4,139.39	1/2	3,765.00	1/2	3,387.10	1/2	3,009.20
3/4		3/4		3/4		3/4		3/4	4,815.87	3/4	4,486.05	3/4	4,131.77	3/4	3,757.13	3/4	3,379.23	3/4	3,001.32
2		2		2		2		2	4,808.94	2	4,478.97	2	4,124.14	2	3,749.26	2	3,371.35	2	2,993.45
1/4		1/4		1/4		1/4		1/4	4,802.01	1/4	4,471.88	1/4	4,116.51	1/4	3,741.39	1/4	3,363.48	1/4	2,985.58
1/2		1/2		1/2		1/2		1/2	4,795.34	1/2	4,464.76	1/2	4,108.85	1/2	3,733.51	1/2	3,355.61	1/2	2,977.70
3/4		3/4		3/4		3/4		3/4	4,788.67	3/4	4,457.63	3/4	4,101.18	3/4	3,725.64	3/4	3,347.74	3/4	2,969.83
3		3		3		3		3	4,782.00	3	4,450.51	3	4,093.52	3	3,717.77	3	3,339.86	3	2,961.96
1/4		1/4		1/4		1/4		1/4	4,775.33	1/4	4,443.38	1/4	4,085.86	1/4	3,709.89	1/4	3,331.99	1/4	2,954.09
1/2		1/2		1/2		1/2		1/2	4,768.63	1/2	4,436.20	1/2	4,078.15	1/2	3,702.02	1/2	3,324.12	1/2	2,946.21
3/4		3/4		3/4		3/4		3/4	4,761.92	3/4	4,429.02	3/4	4,070.45	3/4	3,694.15	3/4	3,316.24	3/4	2,938.34
4		4		4		4		4	4,755.21	4	4,421.83	4	4,062.75	4	3,686.27	4	3,308.37	4	2,930.47
1/4		1/4		1/4		1/4		1/4	4,748.50	1/4	4,414.65	1/4	4,055.05	1/4	3,678.40	1/4	3,300.50	1/4	2,922.59
1/2		1/2		1/2		1/2		1/2	4,741.76	1/2	4,407.39	1/2	4,047.31	1/2	3,670.53	1/2	3,292.62	1/2	2,914.72
3/4		3/4		3/4		3/4		3/4	4,735.02	3/4	4,400.12	3/4	4,039.57	3/4	3,662.66	3/4	3,284.75	3/4	2,906.85
5		5		5		5		5	4,728.27	5	4,392.86	5	4,031.83	5	3,654.78	5	3,276.88	5	2,898.97
1/4		1/4		1/4		1/4		1/4	4,721.53	1/4	4,385.60	1/4	4,024.09	1/4	3,646.91	1/4	3,269.01	1/4	2,891.10
1/2		1/2		1/2		1/2		1/2	4,714.74	1/2	4,378.27	1/2	4,016.31	1/2	3,639.04	1/2	3,261.13	1/2	2,883.23
3/4		3/4		3/4		3/4		3/4	4,707.96	3/4	4,370.95	3/4	4,008.53	3/4	3,631.16	3/4	3,253.26	3/4	2,875.36
6		6		6		6		6	4,701.18	6	4,363.63	6	4,000.75	6	3,623.29	6	3,245.39	6	2,867.48
1/4		1/4		1/4		1/4		1/4	4,694.39	1/4	4,356.30	1/4	3,992.97	1/4	3,615.42	1/4	3,237.51	1/4	2,859.61
1/2		1/2		1/2		1/2		1/2	4,687.57	1/2	4,348.94	1/2	3,985.16	1/2	3,607.54	1/2	3,229.64	1/2	2,851.74
3/4		3/4		3/4		3/4		3/4	4,680.75	3/4	4,341.58	3/4	3,977.34	3/4	3,599.67	3/4	3,221.77	3/4	2,843.86
7		7		7		7		7	4,673.93	7	4,334.22	7	3,969.53	7	3,591.80	7	3,213.89	7	2,835.99
1/4		1/4		1/4		1/4		1/4	4,667.11	1/4	4,326.86	1/4	3,961.71	1/4	3,583.93	1/4	3,206.02	1/4	2,828.12
1/2		1/2		1/2		1/2		1/2	4,660.25	1/2	4,319.46	1/2	3,953.86	1/2	3,576.05	1/2	3,198.15	1/2	2,820.24
3/4		3/4		3/4		3/4		3/4	4,653.39	3/4	4,312.06	3/4	3,946.01	3/4	3,568.18	3/4	3,190.28	3/4	2,812.37
8		8		8		8		8	4,646.54	8	4,304.67	8	3,938.16	8	3,560.31	8	3,182.40	8	2,804.50
1/4		1/4		1/4		1/4	4,970.39	1/4	4,639.68	1/4	4,297.27	1/4	3,930.31	1/4	3,552.43	1/4	3,174.53	1/4	2,796.63
1/2		1/2		1/2		1/2	4,964.90	1/2	4,632.78	1/2	4,289.83	1/2	3,922.45	1/2	3,544.56	1/2	3,166.66	1/2	2,788.75
3/4		3/4		3/4		3/4	4,959.41	3/4	4,625.88	3/4	4,282.39	3/4	3,914.58	3/4	3,536.69	3/4	3,158.78	3/4	2,780.88
9		9		9		9	4,953.91	9	4,618.99	9	4,274.96	9	3,906.71	9	3,528.81	9	3,150.91	9	2,773.01
1/4		1/4		1/4		1/4	4,948.42	1/4	4,612.09	1/4	4,267.52	1/4	3,898.85	1/4	3,520.94	1/4	3,143.04	1/4	2,765.13
1/2		1/2		1/2		1/2	4,941.64	1/2	4,605.16	1/2	4,260.05	1/2	3,890.97	1/2	3,513.07	1/2	3,135.16	1/2	2,757.26
3/4		3/4		3/4		3/4	4,934.86	3/4	4,598.22	3/4	4,252.57	3/4	3,883.10	3/4	3,505.20	3/4	3,127.29	3/4	2,749.39
10		10		10		10	4,928.07	10	4,591.29	10	4,245.10	10	3,875.23	10	3,497.32	10	3,119.42	10	2,741.51
1/4		1/4		1/4		1/4	4,921.29	1/4	4,584.35	1/4	4,237.62	1/4	3,867.35	1/4	3,489.45	1/4	3,111.55	1/4	2,733.64
1/2		1/2		1/2		1/2	4,913.69	1/2	4,577.38	1/2	4,230.11	1/2	3,859.48	1/2	3,481.58	1/2	3,103.67	1/2	2,725.77
3/4		3/4		3/4		3/4	4,906.08	3/4	4,570.41	3/4	4,222.60	3/4	3,851.61	3/4	3,473.70	3/4	3,095.80	3/4	2,717.90
11		11		11		11	4,898.48	11	4,563.43	11	4,215.09	11	3,843.73	11	3,465.83	11	3,087.93	11	2,710.02
1/4		1/4		1/4		1/4	4,890.88	1/4	4,556.46	1/4	4,207.57	1/4	3,835.86	1/4	3,457.96	1/4	3,080.05	1/4	2,702.15
1/2		1/2		1/2		1/2	4,883.09	1/2	4,549.45	1/2	4,200.02	1/2	3,827.99	1/2	3,450.08	1/2	3,072.18	1/2	2,694.28
3/4		3/4		3/4		3/4	4,875.30	3/4	4,542.44	3/4	4,192.47	3/4	3,820.12	3/4	3,442.21	3/4	3,064.31	3/4	2,686.40

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 50'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27780"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,678.53	0	2,300.63	0	1,922.72	0	1,544.81	0	1,167.57	0	790.73	0	421.17	0	88.47	0		0	
1/4	2,670.66	1/4	2,292.75	1/4	1,914.85	1/4	1,536.93	1/4	1,159.71	1/4	782.86	1/4	413.74	1/4	82.78	1/4		1/4	
1/2	2,662.78	1/2	2,284.88	1/2	1,906.97	1/2	1,529.06	1/2	1,151.87	1/2	774.98	1/2	406.20	1/2	77.20	1/2		1/2	
3/4	2,654.91	3/4	2,277.01	3/4	1,899.10	3/4	1,521.19	3/4	1,144.02	3/4	767.11	3/4	398.66	3/4	71.63	3/4		3/4	
1	2,647.04	1	2,269.13	1	1,891.23	1	1,513.31	1	1,136.17	1	759.24	1	391.12	1	66.06	1		1	
1/4	2,639.17	1/4	2,261.26	1/4	1,883.35	1/4	1,505.44	1/4	1,128.33	1/4	751.36	1/4	383.58	1/4	60.48	1/4		1/4	
1/2	2,631.29	1/2	2,253.39	1/2	1,875.48	1/2	1,497.58	1/2	1,120.48	1/2	743.49	1/2	376.16	1/2	54.58	1/2		1/2	
3/4	2,623.42	3/4	2,245.52	3/4	1,867.61	3/4	1,489.72	3/4	1,112.64	3/4	735.62	3/4	368.73	3/4	48.68	3/4		3/4	
2	2,615.55	2	2,237.64	2	1,859.73	2	1,481.86	2	1,104.79	2	727.74	2	361.30	2	42.78	2		2	
1/4	2,607.67	1/4	2,229.77	1/4	1,851.86	1/4	1,474.00	1/4	1,096.95	1/4	719.87	1/4	353.87	1/4	36.88	1/4		1/4	
1/2	2,599.80	1/2	2,221.90	1/2	1,843.99	1/2	1,466.16	1/2	1,089.10	1/2	712.00	1/2	346.54	1/2	31.49	1/2		1/2	
3/4	2,591.93	3/4	2,214.02	3/4	1,836.11	3/4	1,458.31	3/4	1,081.26	3/4	704.12	3/4	339.21	3/4	26.09	3/4		3/4	
3	2,584.05	3	2,206.15	3	1,828.24	3	1,450.47	3	1,073.41	3	696.25	3	331.88	3	20.69	3		3	
1/4	2,576.18	1/4	2,198.28	1/4	1,820.37	1/4	1,442.62	1/4	1,065.57	1/4	688.38	1/4	324.55	1/4	15.29	1/4		1/4	
1/2	2,568.31	1/2	2,190.40	1/2	1,812.50	1/2	1,434.77	1/2	1,057.72	1/2	680.50	1/2	317.30	1/2	11.92	1/2		1/2	
3/4	2,560.44	3/4	2,182.53	3/4	1,804.62	3/4	1,426.93	3/4	1,049.88	3/4	672.63	3/4	310.06	3/4	8.54	3/4		3/4	
4	2,552.56	4	2,174.66	4	1,796.75	4	1,419.08	4	1,042.03	4	664.75	4	302.82	4		4		4	
1/4	2,544.69	1/4	2,166.79	1/4	1,788.88	1/4	1,411.24	1/4	1,034.19	1/4	656.88	1/4	295.58	1/4		1/4		1/4	
1/2	2,536.82	1/2	2,158.91	1/2	1,781.00	1/2	1,403.39	1/2	1,026.35	1/2	649.01	1/2	288.43	1/2		1/2		1/2	
3/4	2,528.94	3/4	2,151.04	3/4	1,773.13	3/4	1,395.55	3/4	1,018.50	3/4	641.13	3/4	281.29	3/4		3/4		3/4	
5	2,521.07	5	2,143.17	5	1,765.26	5	1,387.70	5	1,010.66	5	633.26	5	274.14	5		5		5	
1/4	2,513.20	1/4	2,135.29	1/4	1,757.38	1/4	1,379.85	1/4	1,002.81	1/4	625.39	1/4	267.00	1/4		1/4		1/4	
1/2	2,505.32	1/2	2,127.42	1/2	1,749.51	1/2	1,372.01	1/2	994.97	1/2	617.51	1/2	259.95	1/2		1/2		1/2	
3/4	2,497.45	3/4	2,119.55	3/4	1,741.64	3/4	1,364.16	3/4	987.12	3/4	609.64	3/4	252.91	3/4		3/4		3/4	
6	2,489.58	6	2,111.67	6	1,733.76	6	1,356.31	6	979.28	6	601.77	6	245.87	6		6		6	
1/4	2,481.71	1/4	2,103.80	1/4	1,725.89	1/4	1,348.47	1/4	971.43	1/4	593.89	1/4	238.83	1/4		1/4		1/4	
1/2	2,473.83	1/2	2,095.93	1/2	1,718.02	1/2	1,340.62	1/2	963.59	1/2	586.02	1/2	231.89	1/2		1/2		1/2	
3/4	2,465.96	3/4	2,088.06	3/4	1,710.14	3/4	1,332.78	3/4	955.74	3/4	578.14	3/4	224.95	3/4		3/4		3/4	
7	2,458.09	7	2,080.18	7	1,702.27	7	1,324.93	7	947.90	7	570.27	7	218.02	7		7		7	
1/4	2,450.21	1/4	2,072.31	1/4	1,694.40	1/4	1,317.08	1/4	940.05	1/4	562.40	1/4	211.08	1/4		1/4		1/4	
1/2	2,442.34	1/2	2,064.44	1/2	1,686.52	1/2	1,309.22	1/2	932.21	1/2	554.52	1/2	204.25	1/2		1/2		1/2	
3/4	2,434.47	3/4	2,056.56	3/4	1,678.65	3/4	1,301.36	3/4	924.37	3/4	546.65	3/4	197.43	3/4		3/4		3/4	
8	2,426.59	8	2,048.69	8	1,670.78	8	1,293.50	8	916.52	8	538.77	8	190.60	8		8		8	
1/4	2,418.72	1/4	2,040.82	1/4	1,662.90	1/4	1,285.64	1/4	908.68	1/4	530.90	1/4	183.77	1/4		1/4		1/4	
1/2	2,410.85	1/2	2,032.94	1/2	1,655.03	1/2	1,277.77	1/2	900.83	1/2	523.26	1/2	177.07	1/2		1/2		1/2	
3/4	2,402.98	3/4	2,025.07	3/4	1,647.16	3/4	1,269.90	3/4	892.98	3/4	515.62	3/4	170.36	3/4		3/4		3/4	
9	2,395.10	9	2,017.20	9	1,639.28	9	1,262.02	9	885.14	9	507.98	9	163.65	9		9		9	
1/4	2,387.23	1/4	2,009.33	1/4	1,631.41	1/4	1,254.15	1/4	877.29	1/4	500.34	1/4	156.94	1/4		1/4		1/4	
1/2	2,379.36	1/2	2,001.45	1/2	1,623.54	1/2	1,246.27	1/2	869.43	1/2	493.19	1/2	150.35	1/2		1/2		1/2	
3/4	2,371.48	3/4	1,993.58	3/4	1,615.67	3/4	1,238.40	3/4	861.57	3/4	486.04	3/4	143.75	3/4		3/4		3/4	
10	2,363.61	10	1,985.71	10	1,607.79	10	1,230.53	10	853.71	10	478.89	10	137.16	10		10		10	
1/4	2,355.74	1/4	1,977.83	1/4	1,599.92	1/4	1,222.65	1/4	845.85	1/4	471.74	1/4	130.57	1/4		1/4		1/4	
1/2	2,347.86	1/2	1,969.96	1/2	1,592.05	1/2	1,214.78	1/2	837.97	1/2	464.66	1/2	124.31	1/2		1/2		1/2	
3/4	2,339.99	3/4	1,962.09	3/4	1,584.17	3/4	1,206.90	3/4	830.10	3/4	457.59	3/4	118.05	3/4		3/4		3/4	
11	2,332.12	11	1,954.21	11	1,576.30	11	1,199.03	11	822.22	11	450.52	11	111.79	11		11		11	
1/4	2,324.25	1/4	1,946.34	1/4	1,568.43	1/4	1,191.16	1/4	814.35	1/4	443.45	1/4	105.54	1/4		1/4		1/4	
1/2	2,316.37	1/2	1,938.47	1/2	1,560.55	1/2	1,183.30	1/2	806.48	1/2	436.02	1/2	99.85	1/2		1/2		1/2	
3/4	2,308.50	3/4	1,930.59	3/4	1,552.68	3/4	1,175.43	3/4	798.60	3/4	428.59	3/4	94.16	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/08/2011 CL - SW
CALCULATED: 06/09/2011 CL
REPRINTED: 06/30/2011 SW

CANCELS AND SUPERCEDES
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BARGE "KIRBY 27780"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.					
IN			IN			IN			IN			IN			IN			IN			IN			IN			IN			IN		
0			0			0			0			0	4,685.51	0	0	4,370.12	0	0	4,037.09	0	0	3,682.92	0	0	3,323.78	0	0	2,964.64	0			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,678.11	1/4	1/4	4,363.46	1/4	1/4	4,029.91	1/4	1/4	3,675.43	1/4	1/4	3,316.30	1/4	1/4	2,957.16	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,670.99	1/2	1/2	4,356.77	1/2	1/2	4,022.70	1/2	1/2	3,667.95	1/2	1/2	3,308.82	1/2	1/2	2,949.68	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,663.86	3/4	3/4	4,350.07	3/4	3/4	4,015.49	3/4	3/4	3,660.47	3/4	3/4	3,301.33	3/4	3/4	2,942.20	3/4			
1		1	1		1	1		1	1		1	1	4,656.74	1	1	4,343.38	1	1	4,008.28	1	1	3,652.99	1	1	3,293.85	1	1	2,934.72	1			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,649.62	1/4	1/4	4,336.68	1/4	1/4	4,001.07	1/4	1/4	3,645.51	1/4	1/4	3,286.37	1/4	1/4	2,927.23	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,643.04	1/2	1/2	4,329.95	1/2	1/2	3,993.82	1/2	1/2	3,638.02	1/2	1/2	3,278.89	1/2	1/2	2,919.75	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,636.46	3/4	3/4	4,323.22	3/4	3/4	3,986.57	3/4	3/4	3,630.54	3/4	3/4	3,271.41	3/4	3/4	2,912.27	3/4			
2		2	2		2	2		2	2		2	2	4,629.87	2	2	4,316.49	2	2	3,979.32	2	2	3,623.06	2	2	3,263.92	2	2	2,904.79	2			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,623.29	1/4	1/4	4,309.76	1/4	1/4	3,972.08	1/4	1/4	3,615.58	1/4	1/4	3,256.44	1/4	1/4	2,897.31	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,616.96	1/2	1/2	4,302.99	1/2	1/2	3,964.79	1/2	1/2	3,608.10	1/2	1/2	3,248.96	1/2	1/2	2,889.82	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,610.63	3/4	3/4	4,296.23	3/4	3/4	3,957.51	3/4	3/4	3,600.61	3/4	3/4	3,241.48	3/4	3/4	2,882.34	3/4			
3		3	3		3	3		3	3		3	3	4,604.29	3	3	4,289.46	3	3	3,950.22	3	3	3,593.13	3	3	3,234.00	3	3	2,874.86	3			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,597.96	1/4	1/4	4,282.70	1/4	1/4	3,942.94	1/4	1/4	3,585.65	1/4	1/4	3,226.51	1/4	1/4	2,867.38	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,591.59	1/2	1/2	4,275.87	1/2	1/2	3,935.62	1/2	1/2	3,578.17	1/2	1/2	3,219.03	1/2	1/2	2,859.90	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,585.22	3/4	3/4	4,269.05	3/4	3/4	3,928.30	3/4	3/4	3,570.69	3/4	3/4	3,211.55	3/4	3/4	2,852.41	3/4			
4		4	4		4	4		4	4		4	4	4,578.85	4	4	4,262.23	4	4	3,920.98	4	4	3,563.20	4	4	3,204.07	4	4	2,844.93	4			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,572.48	1/4	1/4	4,255.40	1/4	1/4	3,913.66	1/4	1/4	3,555.72	1/4	1/4	3,196.59	1/4	1/4	2,837.45	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,566.07	1/2	1/2	4,248.50	1/2	1/2	3,906.31	1/2	1/2	3,548.24	1/2	1/2	3,189.10	1/2	1/2	2,829.97	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,559.67	3/4	3/4	4,241.60	3/4	3/4	3,898.95	3/4	3/4	3,540.76	3/4	3/4	3,181.62	3/4	3/4	2,822.49	3/4			
5		5	5		5	5		5	5		5	5	4,553.26	5	5	4,234.70	5	5	3,891.59	5	5	3,533.28	5	5	3,174.14	5	5	2,815.00	5			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,546.86	1/4	1/4	4,227.79	1/4	1/4	3,884.24	1/4	1/4	3,525.79	1/4	1/4	3,166.66	1/4	1/4	2,807.52	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,540.42	1/2	1/2	4,220.84	1/2	1/2	3,876.85	1/2	1/2	3,518.31	1/2	1/2	3,159.18	1/2	1/2	2,800.04	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,533.97	3/4	3/4	4,213.88	3/4	3/4	3,869.46	3/4	3/4	3,510.83	3/4	3/4	3,151.69	3/4	3/4	2,792.56	3/4			
6		6	6		6	6		6	6		6	6	4,527.53	6	6	4,206.92	6	6	3,862.06	6	6	3,503.35	6	6	3,144.21	6	6	2,785.08	6			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,521.09	1/4	1/4	4,199.96	1/4	1/4	3,854.67	1/4	1/4	3,495.87	1/4	1/4	3,136.73	1/4	1/4	2,777.59	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,514.61	1/2	1/2	4,192.96	1/2	1/2	3,847.24	1/2	1/2	3,488.38	1/2	1/2	3,129.25	1/2	1/2	2,770.11	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,508.13	3/4	3/4	4,185.97	3/4	3/4	3,839.82	3/4	3/4	3,480.90	3/4	3/4	3,121.77	3/4	3/4	2,762.63	3/4			
7		7	7		7	7		7	7		7	7	4,501.66	7	7	4,178.97	7	7	3,832.39	7	7	3,473.42	7	7	3,114.28	7	7	2,755.15	7			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,495.18	1/4	1/4	4,171.98	1/4	1/4	3,824.96	1/4	1/4	3,465.94	1/4	1/4	3,106.80	1/4	1/4	2,747.67	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,488.67	1/2	1/2	4,164.95	1/2	1/2	3,817.50	1/2	1/2	3,458.46	1/2	1/2	3,099.32	1/2	1/2	2,740.18	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,482.15	3/4	3/4	4,157.92	3/4	3/4	3,810.04	3/4	3/4	3,450.97	3/4	3/4	3,091.84	3/4	3/4	2,732.70	3/4			
8		8	8		8	8		8	8		8	8	4,475.64	8	8	4,150.88	8	8	3,802.58	8	8	3,443.49	8	8	3,084.36	8	8	2,725.22	8			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,783.21	1/4	1/4	4,469.12	1/4	1/4	4,143.85	1/4	1/4	3,795.12	1/4	1/4	3,436.01	1/4	1/4	2,717.74	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,778.00	1/2	1/2	4,462.57	1/2	1/2	4,136.79	1/2	1/2	3,787.65	1/2	1/2	3,428.53	1/2	1/2	2,710.26	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,772.78	3/4	3/4	4,456.02	3/4	3/4	4,129.72	3/4	3/4	3,780.17	3/4	3/4	3,421.05	3/4	3/4	2,702.77	3/4			
9		9	9		9	9		9	9		9	9	4,767.57	9	9	4,449.47	9	9	4,122.65	9	9	3,772.69	9	9	3,413.56	9	9	2,695.29	9			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,762.35	1/4	1/4	4,442.92	1/4	1/4	4,115.58	1/4	1/4	3,765.22	1/4	1/4	3,406.08	1/4	1/4	2,687.81	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,755.91	1/2	1/2	4,436.34	1/2	1/2	4,108.48	1/2	1/2	3,757.74	1/2	1/2	3,398.60	1/2	1/2	2,680.33	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,749.47	3/4	3/4	4,429.75	3/4	3/4	4,101.38	3/4	3/4	3,750.25	3/4	3/4	3,391.12	3/4	3/4	2,672.85	3/4			
10		10	10		10	10		10	10		10	10	4,743.03	10	10	4,423.17	10	10	4,094.27	10	10	3,742.77	10	10	3,383.64	10	10	2,665.36	10			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,736.58	1/4	1/4	4,416.58	1/4	1/4	4,087.17	1/4	1/4	3,735.29	1/4	1/4	3,376.15	1/4	1/4	2,657.88	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,729.36	1/2	1/2	4,409.96	1/2	1/2	4,080.03	1/2	1/2	3,727.81	1/2	1/2	3,368.67	1/2	1/2	2,650.40	1/2			
3/4		3/4	3/4																													



BARGE "KIRBY 27780"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,605.51	0	2,246.37	0	1,887.23	0	1,528.09	0	1,174.36	0	830.30	0	478.16	0	122.91	0		0	
1/4	2,598.03	1/4	2,238.89	1/4	1,879.75	1/4	1,520.61	1/4	1,167.19	1/4	822.97	1/4	470.90	1/4	116.12	1/4		1/4	
1/2	2,590.54	1/2	2,231.41	1/2	1,872.27	1/2	1,513.21	1/2	1,160.04	1/2	815.49	1/2	463.44	1/2	109.34	1/2		1/2	
3/4	2,583.06	3/4	2,223.93	3/4	1,864.79	3/4	1,505.80	3/4	1,152.88	3/4	808.00	3/4	455.98	3/4	102.56	3/4		3/4	
1	2,575.58	1	2,216.44	1	1,857.31	1	1,498.40	1	1,145.73	1	800.52	1	448.52	1	95.79	1		1	
1/4	2,568.10	1/4	2,208.96	1/4	1,849.82	1/4	1,491.00	1/4	1,138.57	1/4	793.04	1/4	441.06	1/4	89.01	1/4		1/4	
1/2	2,560.62	1/2	2,201.48	1/2	1,842.34	1/2	1,483.68	1/2	1,131.42	1/2	785.56	1/2	433.61	1/2	81.82	1/2		1/2	
3/4	2,553.13	3/4	2,194.00	3/4	1,834.86	3/4	1,476.36	3/4	1,124.27	3/4	778.07	3/4	426.16	3/4	74.63	3/4		3/4	
2	2,545.65	2	2,186.52	2	1,827.38	2	1,469.04	2	1,117.12	2	770.59	2	418.70	2	67.45	2		2	
1/4	2,538.17	1/4	2,179.03	1/4	1,819.89	1/4	1,461.72	1/4	1,109.97	1/4	763.11	1/4	411.25	1/4	60.26	1/4		1/4	
1/2	2,530.69	1/2	2,171.55	1/2	1,812.41	1/2	1,454.40	1/2	1,102.81	1/2	755.63	1/2	403.79	1/2	53.45	1/2		1/2	
3/4	2,523.21	3/4	2,164.07	3/4	1,804.93	3/4	1,447.08	3/4	1,095.66	3/4	748.14	3/4	396.33	3/4	46.64	3/4		3/4	
3	2,515.72	3	2,156.59	3	1,797.45	3	1,439.76	3	1,088.51	3	740.66	3	388.87	3	39.84	3		3	
1/4	2,508.24	1/4	2,149.11	1/4	1,789.97	1/4	1,432.44	1/4	1,081.36	1/4	733.18	1/4	381.41	1/4	33.03	1/4		1/4	
1/2	2,500.76	1/2	2,141.62	1/2	1,782.48	1/2	1,425.12	1/2	1,074.21	1/2	725.70	1/2	373.94	1/2	28.04	1/2		1/2	
3/4	2,493.28	3/4	2,134.14	3/4	1,775.00	3/4	1,417.80	3/4	1,067.05	3/4	718.21	3/4	366.46	3/4	23.06	3/4		3/4	
4	2,485.80	4	2,126.66	4	1,767.52	4	1,410.48	4	1,059.90	4	710.73	4	358.99	4		4		4	
1/4	2,478.31	1/4	2,119.18	1/4	1,760.04	1/4	1,403.16	1/4	1,052.75	1/4	703.25	1/4	351.51	1/4		1/4		1/4	
1/2	2,470.83	1/2	2,111.70	1/2	1,752.55	1/2	1,395.84	1/2	1,045.60	1/2	695.77	1/2	344.03	1/2		1/2		1/2	
3/4	2,463.35	3/4	2,104.21	3/4	1,745.07	3/4	1,388.52	3/4	1,038.44	3/4	688.28	3/4	336.55	3/4		3/4		3/4	
5	2,455.87	5	2,096.73	5	1,737.59	5	1,381.20	5	1,031.29	5	680.80	5	329.07	5		5		5	
1/4	2,448.39	1/4	2,089.25	1/4	1,730.11	1/4	1,373.88	1/4	1,024.14	1/4	673.32	1/4	321.58	1/4		1/4		1/4	
1/2	2,440.90	1/2	2,081.77	1/2	1,722.63	1/2	1,366.56	1/2	1,016.99	1/2	665.84	1/2	314.10	1/2		1/2		1/2	
3/4	2,433.42	3/4	2,074.29	3/4	1,715.14	3/4	1,359.24	3/4	1,009.84	3/4	658.35	3/4	306.62	3/4		3/4		3/4	
6	2,425.94	6	2,066.80	6	1,707.66	6	1,351.92	6	1,002.68	6	650.87	6	299.14	6		6		6	
1/4	2,418.46	1/4	2,059.32	1/4	1,700.18	1/4	1,344.60	1/4	995.53	1/4	643.39	1/4	291.66	1/4		1/4		1/4	
1/2	2,410.98	1/2	2,051.84	1/2	1,692.70	1/2	1,337.19	1/2	988.38	1/2	635.91	1/2	284.18	1/2		1/2		1/2	
3/4	2,403.49	3/4	2,044.36	3/4	1,685.21	3/4	1,329.79	3/4	981.23	3/4	628.42	3/4	276.69	3/4		3/4		3/4	
7	2,396.01	7	2,036.88	7	1,677.73	7	1,322.39	7	974.07	7	620.94	7	269.21	7		7		7	
1/4	2,388.53	1/4	2,029.39	1/4	1,670.25	1/4	1,314.99	1/4	966.92	1/4	613.46	1/4	261.73	1/4		1/4		1/4	
1/2	2,381.05	1/2	2,021.91	1/2	1,662.77	1/2	1,307.51	1/2	959.77	1/2	605.97	1/2	254.26	1/2		1/2		1/2	
3/4	2,373.57	3/4	2,014.43	3/4	1,655.29	3/4	1,300.02	3/4	952.62	3/4	598.49	3/4	246.78	3/4		3/4		3/4	
8	2,366.08	8	2,006.95	8	1,647.80	8	1,292.54	8	945.47	8	591.01	8	239.31	8		8		8	
1/4	2,358.60	1/4	1,999.47	1/4	1,640.32	1/4	1,285.06	1/4	938.31	1/4	583.52	1/4	231.83	1/4		1/4		1/4	
1/2	2,351.12	1/2	1,991.98	1/2	1,632.84	1/2	1,277.57	1/2	931.16	1/2	576.26	1/2	224.37	1/2		1/2		1/2	
3/4	2,343.64	3/4	1,984.50	3/4	1,625.36	3/4	1,270.09	3/4	924.00	3/4	569.00	3/4	216.91	3/4		3/4		3/4	
9	2,336.16	9	1,977.02	9	1,617.88	9	1,262.61	9	916.85	9	561.74	9	209.45	9		9		9	
1/4	2,328.67	1/4	1,969.54	1/4	1,610.39	1/4	1,255.13	1/4	909.70	1/4	554.48	1/4	201.99	1/4		1/4		1/4	
1/2	2,321.19	1/2	1,962.06	1/2	1,602.91	1/2	1,247.64	1/2	902.53	1/2	547.66	1/2	194.54	1/2		1/2		1/2	
3/4	2,313.71	3/4	1,954.57	3/4	1,595.43	3/4	1,240.16	3/4	895.36	3/4	540.84	3/4	187.09	3/4		3/4		3/4	
10	2,306.23	10	1,947.09	10	1,587.95	10	1,232.68	10	888.19	10	534.02	10	179.64	10		10		10	
1/4	2,298.75	1/4	1,939.61	1/4	1,580.46	1/4	1,225.19	1/4	881.02	1/4	527.20	1/4	172.19	1/4		1/4		1/4	
1/2	2,291.26	1/2	1,932.13	1/2	1,572.98	1/2	1,217.86	1/2	873.84	1/2	520.38	1/2	164.96	1/2		1/2		1/2	
3/4	2,283.78	3/4	1,924.65	3/4	1,565.50	3/4	1,210.53	3/4	866.66	3/4	513.56	3/4	157.74	3/4		3/4		3/4	
11	2,276.30	11	1,917.16	11	1,558.02	11	1,203.20	11	859.48	11	506.74	11	150.51	11		11		11	
1/4	2,268.82	1/4	1,909.68	1/4	1,550.54	1/4	1,195.87	1/4	852.30	1/4	499.92	1/4	143.28	1/4		1/4		1/4	
1/2	2,261.34	1/2	1,902.20	1/2	1,543.05	1/2	1,188.70	1/2	844.97	1/2	492.67	1/2	136.49	1/2		1/2		1/2	
3/4	2,253.85	3/4	1,894.72	3/4	1,535.57	3/4	1,181.53	3/4	837.63	3/4	485.41	3/4	129.70	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/08/2011 CL - SW
CALCULATED: 06/09/2011 CL
REPRINTED: 06/30/2011 SW

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BARGE "KIRBY 27780"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04 1/2"

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.					
IN			IN			IN			IN			IN			IN			IN			IN			IN			IN			IN		
0			0			0			0			0	4,719.86	0	0	4,402.52	0	0	4,071.30	0	0	3,718.30	0	0	3,359.43	0	0	3,000.56	0			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,712.47	1/4	1/4	4,395.86	1/4	1/4	4,064.13	1/4	1/4	3,710.82	1/4	1/4	3,351.95	1/4	1/4	2,993.08	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,705.08	1/2	1/2	4,389.21	1/2	1/2	4,056.96	1/2	1/2	3,703.35	1/2	1/2	3,344.47	1/2	1/2	2,985.60	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,697.69	3/4	3/4	4,382.56	3/4	3/4	4,049.79	3/4	3/4	3,695.87	3/4	3/4	3,337.00	3/4	3/4	2,978.13	3/4			
1		1	1		1	1		1	1		1	1	4,690.29	1	1	4,375.91	1	1	4,042.62	1	1	3,688.39	1	1	3,329.52	1	1	2,970.65	1			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,683.18	1/4	1/4	4,369.22	1/4	1/4	4,035.41	1/4	1/4	3,680.92	1/4	1/4	3,322.05	1/4	1/4	2,963.17	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,676.06	1/2	1/2	4,362.53	1/2	1/2	4,028.21	1/2	1/2	3,673.44	1/2	1/2	3,314.57	1/2	1/2	2,955.70	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,668.94	3/4	3/4	4,355.84	3/4	3/4	4,021.00	3/4	3/4	3,665.96	3/4	3/4	3,307.09	3/4	3/4	2,948.22	3/4			
2		2	2		2	2		2	2		2	2	4,661.83	2	2	4,349.15	2	2	4,013.80	2	2	3,658.49	2	2	3,299.62	2	2	2,940.74	2			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,655.25	1/4	1/4	4,342.43	1/4	1/4	4,006.55	1/4	1/4	3,651.01	1/4	1/4	3,292.14	1/4	1/4	2,933.27	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,648.67	1/2	1/2	4,335.70	1/2	1/2	3,999.31	1/2	1/2	3,643.54	1/2	1/2	3,284.66	1/2	1/2	2,925.79	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,642.10	3/4	3/4	4,328.98	3/4	3/4	3,992.07	3/4	3/4	3,636.06	3/4	3/4	3,277.19	3/4	3/4	2,918.31	3/4			
3		3	3		3	3		3	3		3	3	4,635.52	3	3	4,322.25	3	3	3,984.83	3	3	3,628.58	3	3	3,269.71	3	3	2,910.84	3			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,629.19	1/4	1/4	4,315.49	1/4	1/4	3,977.55	1/4	1/4	3,621.11	1/4	1/4	3,262.23	1/4	1/4	2,903.36	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,622.87	1/2	1/2	4,308.73	1/2	1/2	3,970.27	1/2	1/2	3,613.63	1/2	1/2	3,254.76	1/2	1/2	2,895.88	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,616.54	3/4	3/4	4,301.97	3/4	3/4	3,962.99	3/4	3/4	3,606.15	3/4	3/4	3,247.28	3/4	3/4	2,888.41	3/4			
4		4	4		4	4		4	4		4	4	4,610.21	4	4	4,295.21	4	4	3,955.72	4	4	3,598.68	4	4	3,239.80	4	4	2,880.93	4			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,603.85	1/4	1/4	4,288.39	1/4	1/4	3,948.40	1/4	1/4	3,591.20	1/4	1/4	3,232.33	1/4	1/4	2,873.46	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,597.48	1/2	1/2	4,281.57	1/2	1/2	3,941.09	1/2	1/2	3,583.72	1/2	1/2	3,224.85	1/2	1/2	2,865.98	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,591.12	3/4	3/4	4,274.75	3/4	3/4	3,933.77	3/4	3/4	3,576.25	3/4	3/4	3,217.37	3/4	3/4	2,858.50	3/4			
5		5	5		5	5		5	5		5	5	4,584.75	5	5	4,267.94	5	5	3,926.46	5	5	3,568.77	5	5	3,209.90	5	5	2,851.03	5			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,578.35	1/4	1/4	4,261.04	1/4	1/4	3,919.11	1/4	1/4	3,561.29	1/4	1/4	3,202.42	1/4	1/4	2,843.55	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,571.95	1/2	1/2	4,254.14	1/2	1/2	3,911.76	1/2	1/2	3,553.82	1/2	1/2	3,194.94	1/2	1/2	2,836.07	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,565.55	3/4	3/4	4,247.25	3/4	3/4	3,904.41	3/4	3/4	3,546.34	3/4	3/4	3,187.47	3/4	3/4	2,828.60	3/4			
6		6	6		6	6		6	6		6	6	4,559.15	6	6	4,240.35	6	6	3,897.06	6	6	3,538.86	6	6	3,179.99	6	6	2,821.12	6			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,552.72	1/4	1/4	4,233.40	1/4	1/4	3,889.67	1/4	1/4	3,531.39	1/4	1/4	3,172.52	1/4	1/4	2,813.64	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,546.28	1/2	1/2	4,226.44	1/2	1/2	3,882.28	1/2	1/2	3,523.91	1/2	1/2	3,165.04	1/2	1/2	2,806.17	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,539.84	3/4	3/4	4,219.49	3/4	3/4	3,874.90	3/4	3/4	3,516.43	3/4	3/4	3,157.56	3/4	3/4	2,798.69	3/4			
7		7	7		7	7		7	7		7	7	4,533.41	7	7	4,212.54	7	7	3,867.51	7	7	3,508.96	7	7	3,150.09	7	7	2,791.21	7			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,526.93	1/4	1/4	4,205.55	1/4	1/4	3,860.09	1/4	1/4	3,501.48	1/4	1/4	3,142.61	1/4	1/4	2,783.74	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,520.46	1/2	1/2	4,198.56	1/2	1/2	3,852.67	1/2	1/2	3,494.00	1/2	1/2	3,135.13	1/2	1/2	2,776.26	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,513.99	3/4	3/4	4,191.57	3/4	3/4	3,845.24	3/4	3/4	3,486.53	3/4	3/4	3,127.66	3/4	3/4	2,768.78	3/4			
8		8	8		8	8		8	8		8	8	4,507.52	8	8	4,184.58	8	8	3,837.82	8	8	3,479.05	8	8	3,120.18	8	8	2,761.31	8			
1/4		1/4	1/4		1/4	1/4		1/4	1/4		1/4	1/4	4,501.01	1/4	1/4	4,177.55	1/4	1/4	3,830.37	1/4	1/4	3,471.58	1/4	1/4	3,112.70	1/4	1/4	2,753.83	1/4			
1/2		1/2	1/2		1/2	1/2		1/2	1/2		1/2	1/2	4,494.50	1/2	1/2	4,170.53	1/2	1/2	3,822.91	1/2	1/2	3,464.10	1/2	1/2	3,105.23	1/2	1/2	2,746.35	1/2			
3/4		3/4	3/4		3/4	3/4		3/4	3/4		3/4	3/4	4,487.99	3/4	3/4	4,163.50	3/4	3/4	3,815.46	3/4	3/4	3,456.62	3/4	3/4	3,097.75	3/4	3/4	2,738.88	3/4			
9		9	9		9	9	4,795.33	9	9	4,481.48	9	9	4,156.47	9	9	3,808.01	9	9	3,449.15	9	9	3,090.27	9	9	2,731.40	9	9	2,721.40	9			
1/4		1/4	1/4		1/4	1/4	4,790.12	1/4	1/4	4,474.94	1/4	1/4	4,149.41	1/4	1/4	3,800.53	1/4	1/4	3,441.67	1/4	1/4	3,082.80	1/4	1/4	2,723.93	1/4	1/4	2,713.40	1/4			
1/2		1/2	1/2		1/2	1/2	4,784.91	1/2	1/2	4,468.39	1/2	1/2	4,142.35	1/2	1/2	3,793.06	1/2	1/2	3,434.19	1/2	1/2	3,075.32	1/2	1/2	2,716.45	1/2	1/2	2,703.40	1/2			
3/4		3/4	3/4		3/4	3/4	4,779.70	3/4	3/4	4,461.85	3/4	3/4	4,135.29	3/4	3/4	3,785.59	3/4	3/4	3,426.72	3/4	3/4	3,067.84	3/4	3/4	2,708.97	3/4	3/4	2,695.40	3/4			
10		10	10		10	10	4,774.49	10	10	4,455.31	10	10	4,128.23	10	10	3,778.11	10	10	3,419.24	10	10	3,060.37	10	10	2,701.50	10	10	2,688.40	10			
1/4		1/4	1/4		1/4	1/4	4,768.05	1/4	1/4	4,448.73	1/4	1/4	4,121.13	1/4	1/4	3,770.64	1/4	1/4	3,411.76	1/4	1/4	3,052.89	1/4	1/4	2,694.02	1/4	1/4	2,681.40	1/4			
1/2		1/2	1/2		1/2	1/2	4,761.61	1/2	1/2	4,442.14	1/2	1/2	4,114.03	1/2	1/2	3,763.16	1/2	1/2	3,404.29	1/2	1/2	3,0										



BARGE "KIRBY 27780"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,641.68	0	2,282.81	0	1,923.93	0	1,565.05	0	1,210.04	0	852.27	0	499.55	0	143.17	0		0	
1/4	2,634.21	1/4	2,275.34	1/4	1,916.46	1/4	1,557.58	1/4	1,202.58	1/4	844.79	1/4	492.30	1/4	136.38	1/4		1/4	
1/2	2,626.73	1/2	2,267.86	1/2	1,908.98	1/2	1,550.10	1/2	1,195.11	1/2	837.31	1/2	485.05	1/2	129.60	1/2		1/2	
3/4	2,619.25	3/4	2,260.38	3/4	1,901.50	3/4	1,542.62	3/4	1,187.65	3/4	829.84	3/4	477.80	3/4	122.81	3/4		3/4	
1	2,611.78	1	2,252.91	1	1,894.03	1	1,535.15	1	1,180.18	1	822.36	1	470.55	1	116.03	1		1	
1/4	2,604.30	1/4	2,245.43	1/4	1,886.55	1/4	1,527.75	1/4	1,172.73	1/4	814.88	1/4	463.10	1/4	109.26	1/4		1/4	
1/2	2,596.82	1/2	2,237.95	1/2	1,879.07	1/2	1,520.36	1/2	1,165.28	1/2	807.41	1/2	455.64	1/2	102.49	1/2		1/2	
3/4	2,589.35	3/4	2,230.48	3/4	1,871.60	3/4	1,512.96	3/4	1,157.83	3/4	799.93	3/4	448.19	3/4	95.71	3/4		3/4	
2	2,581.87	2	2,223.00	2	1,864.12	2	1,505.56	2	1,150.38	2	792.45	2	440.73	2	88.94	2		2	
1/4	2,574.40	1/4	2,215.52	1/4	1,856.64	1/4	1,498.25	1/4	1,142.94	1/4	784.97	1/4	433.29	1/4	81.76	1/4		1/4	
1/2	2,566.92	1/2	2,208.05	1/2	1,849.17	1/2	1,490.93	1/2	1,135.49	1/2	777.50	1/2	425.84	1/2	74.58	1/2		1/2	
3/4	2,559.44	3/4	2,200.57	3/4	1,841.69	3/4	1,483.62	3/4	1,128.04	3/4	770.02	3/4	418.39	3/4	67.40	3/4		3/4	
3	2,551.97	3	2,193.09	3	1,834.21	3	1,476.31	3	1,120.59	3	762.54	3	410.94	3	60.22	3		3	
1/4	2,544.49	1/4	2,185.62	1/4	1,826.74	1/4	1,468.99	1/4	1,113.14	1/4	755.07	1/4	403.49	1/4	53.41	1/4		1/4	
1/2	2,537.01	1/2	2,178.14	1/2	1,819.26	1/2	1,461.68	1/2	1,105.70	1/2	747.59	1/2	396.04	1/2	46.61	1/2		1/2	
3/4	2,529.54	3/4	2,170.66	3/4	1,811.78	3/4	1,454.36	3/4	1,098.25	3/4	740.11	3/4	388.58	3/4	39.81	3/4		3/4	
4	2,522.06	4	2,163.19	4	1,804.31	4	1,447.05	4	1,090.80	4	732.63	4	381.13	4	33.00	4		4	
1/4	2,514.58	1/4	2,155.71	1/4	1,796.83	1/4	1,439.73	1/4	1,083.35	1/4	725.16	1/4	373.66	1/4	28.02	1/4		1/4	
1/2	2,507.11	1/2	2,148.23	1/2	1,789.35	1/2	1,432.42	1/2	1,075.90	1/2	717.68	1/2	366.19	1/2	23.04	1/2		1/2	
3/4	2,499.63	3/4	2,140.76	3/4	1,781.88	3/4	1,425.10	3/4	1,068.45	3/4	710.20	3/4	358.72	3/4		3/4		3/4	
5	2,492.15	5	2,133.28	5	1,774.40	5	1,417.79	5	1,061.01	5	702.73	5	351.25	5		5		5	
1/4	2,484.68	1/4	2,125.81	1/4	1,766.92	1/4	1,410.47	1/4	1,053.56	1/4	695.25	1/4	343.77	1/4		1/4		1/4	
1/2	2,477.20	1/2	2,118.33	1/2	1,759.45	1/2	1,403.16	1/2	1,046.11	1/2	687.77	1/2	336.30	1/2		1/2		1/2	
3/4	2,469.72	3/4	2,110.85	3/4	1,751.97	3/4	1,395.84	3/4	1,038.66	3/4	680.30	3/4	328.82	3/4		3/4		3/4	
6	2,462.25	6	2,103.38	6	1,744.49	6	1,388.53	6	1,031.21	6	672.82	6	321.34	6		6		6	
1/4	2,454.77	1/4	2,095.90	1/4	1,737.02	1/4	1,381.21	1/4	1,023.76	1/4	665.34	1/4	313.87	1/4		1/4		1/4	
1/2	2,447.29	1/2	2,088.42	1/2	1,729.54	1/2	1,373.90	1/2	1,016.32	1/2	657.86	1/2	306.39	1/2		1/2		1/2	
3/4	2,439.82	3/4	2,080.95	3/4	1,722.06	3/4	1,366.58	3/4	1,008.87	3/4	650.39	3/4	298.92	3/4		3/4		3/4	
7	2,432.34	7	2,073.47	7	1,714.59	7	1,359.27	7	1,001.42	7	642.91	7	291.44	7		7		7	
1/4	2,424.87	1/4	2,065.99	1/4	1,707.11	1/4	1,351.87	1/4	993.97	1/4	635.43	1/4	283.96	1/4		1/4		1/4	
1/2	2,417.39	1/2	2,058.52	1/2	1,699.63	1/2	1,344.47	1/2	986.52	1/2	627.95	1/2	276.49	1/2		1/2		1/2	
3/4	2,409.91	3/4	2,051.04	3/4	1,692.16	3/4	1,337.08	3/4	979.08	3/4	620.48	3/4	269.01	3/4		3/4		3/4	
8	2,402.44	8	2,043.56	8	1,684.68	8	1,329.68	8	971.63	8	613.00	8	261.53	8		8		8	
1/4	2,394.96	1/4	2,036.09	1/4	1,677.20	1/4	1,322.20	1/4	964.18	1/4	605.52	1/4	254.07	1/4		1/4		1/4	
1/2	2,387.48	1/2	2,028.61	1/2	1,669.73	1/2	1,314.73	1/2	956.73	1/2	598.04	1/2	246.60	1/2		1/2		1/2	
3/4	2,380.01	3/4	2,021.13	3/4	1,662.25	3/4	1,307.25	3/4	949.28	3/4	590.57	3/4	239.13	3/4		3/4		3/4	
9	2,372.53	9	2,013.66	9	1,654.77	9	1,299.77	9	941.83	9	583.09	9	231.66	9		9		9	
1/4	2,365.05	1/4	2,006.18	1/4	1,647.30	1/4	1,292.29	1/4	934.38	1/4	575.83	1/4	224.20	1/4		1/4		1/4	
1/2	2,357.58	1/2	1,998.70	1/2	1,639.82	1/2	1,284.82	1/2	926.93	1/2	568.58	1/2	216.75	1/2		1/2		1/2	
3/4	2,350.10	3/4	1,991.23	3/4	1,632.34	3/4	1,277.34	3/4	919.48	3/4	561.32	3/4	209.30	3/4		3/4		3/4	
10	2,342.62	10	1,983.75	10	1,624.87	10	1,269.86	10	912.03	10	554.06	10	201.84	10		10		10	
1/4	2,335.15	1/4	1,976.27	1/4	1,617.39	1/4	1,262.39	1/4	904.57	1/4	547.25	1/4	194.40	1/4		1/4		1/4	
1/2	2,327.67	1/2	1,968.79	1/2	1,609.91	1/2	1,254.91	1/2	897.11	1/2	540.43	1/2	186.95	1/2		1/2		1/2	
3/4	2,320.19	3/4	1,961.32	3/4	1,602.44	3/4	1,247.43	3/4	889.64	3/4	533.62	3/4	179.51	3/4		3/4		3/4	
11	2,312.72	11	1,953.84	11	1,594.96	11	1,239.95	11	882.18	11	526.81	11	172.06	11		11		11	
1/4	2,305.24	1/4	1,946.36	1/4	1,587.48	1/4	1,232.48	1/4	874.70	1/4	519.99	1/4	164.84	1/4		1/4		1/4	
1/2	2,297.76	1/2	1,938.89	1/2	1,580.01	1/2	1,225.00	1/2	867.22	1/2	513.18	1/2	157.61	1/2		1/2		1/2	
3/4	2,290.29	3/4	1,931.41	3/4	1,572.53	3/4	1,217.52	3/4	859.75	3/4	506.36	3/4	150.39	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/08/2011 CL - SW
CALCULATED: 06/09/2011 CL
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BARGE "KIRBY 27780"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02"

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.					
IN			IN			IN			IN			IN			IN			IN			IN			IN			IN			IN		
0			0			0			0			0	3,976.81	0	0	3,810.55	0	0	3,632.94	0	0	3,443.51	0	0	3,203.24	0	0	2,846.39	0	0	2,486.39	0
1/4			1/4			1/4			1/4			1/4	3,972.89	1/4	1/4	3,807.03	1/4	1/4	3,629.10	1/4	1/4	3,439.51	1/4	1/4	3,195.79	1/4	1/4	2,838.96	1/4	1/4	2,483.96	1/4
1/2			1/2			1/2			1/2			1/2	3,968.98	1/2	1/2	3,803.50	1/2	1/2	3,625.25	1/2	1/2	3,435.52	1/2	1/2	3,188.33	1/2	1/2	2,831.53	1/2	1/2	2,481.53	1/2
3/4			3/4			3/4			3/4			3/4	3,965.36	3/4	3/4	3,799.95	3/4	3/4	3,621.39	3/4	3/4	3,431.52	3/4	3/4	3,180.88	3/4	3/4	2,824.10	3/4	3/4	2,478.10	3/4
1			1			1			1			1	3,961.74	1	1	3,796.40	1	1	3,617.53	1	1	3,427.52	1	1	3,173.43	1	1	2,816.67	1	1	2,475.67	1
1/4			1/4			1/4			1/4			1/4	3,958.12	1/4	1/4	3,792.85	1/4	1/4	3,613.66	1/4	1/4	3,423.52	1/4	1/4	3,165.98	1/4	1/4	2,809.24	1/4	1/4	2,472.24	1/4
1/2			1/2			1/2			1/2			1/2	3,954.50	1/2	1/2	3,789.31	1/2	1/2	3,609.80	1/2	1/2	3,419.52	1/2	1/2	3,158.53	1/2	1/2	2,801.81	1/2	1/2	2,469.81	1/2
3/4			3/4			3/4			3/4			3/4	3,951.17	3/4	3/4	3,785.74	3/4	3/4	3,605.92	3/4	3/4	3,415.52	3/4	3/4	3,151.07	3/4	3/4	2,794.38	3/4	3/4	2,466.38	3/4
2			2			2			2			2	3,947.83	2	2	3,782.17	2	2	3,602.03	2	2	3,411.53	2	2	3,143.62	2	2	2,786.95	2	2	2,463.95	2
1/4			1/4			1/4			1/4			1/4	3,944.49	1/4	1/4	3,778.61	1/4	1/4	3,598.15	1/4	1/4	3,407.53	1/4	1/4	3,136.17	1/4	1/4	2,779.52	1/4	1/4	2,460.52	1/4
1/2			1/2			1/2			1/2			1/2	3,941.16	1/2	1/2	3,775.04	1/2	1/2	3,594.27	1/2	1/2	3,403.53	1/2	1/2	3,128.72	1/2	1/2	2,772.09	1/2	1/2	2,457.09	1/2
3/4			3/4			3/4			3/4			3/4	3,937.80	3/4	3/4	3,771.45	3/4	3/4	3,590.37	3/4	3/4	3,399.53	3/4	3/4	3,121.29	3/4	3/4	2,764.66	3/4	3/4	2,454.66	3/4
3			3			3			3			3	3,934.45	3	3	3,767.87	3	3	3,586.46	3	3	3,395.53	3	3	3,113.86	3	3	2,757.23	3	3	2,451.23	3
1/4			1/4			1/4			1/4			1/4	3,931.09	1/4	1/4	3,764.28	1/4	1/4	3,582.56	1/4	1/4	3,391.53	1/4	1/4	3,106.43	1/4	1/4	2,749.80	1/4	1/4	2,448.80	1/4
1/2			1/2			1/2			1/2			1/2	3,927.74	1/2	1/2	3,760.70	1/2	1/2	3,578.66	1/2	1/2	3,387.54	1/2	1/2	3,099.00	1/2	1/2	2,742.37	1/2	1/2	2,445.37	1/2
3/4			3/4			3/4			3/4			3/4	3,924.37	3/4	3/4	3,757.05	3/4	3/4	3,574.74	3/4	3/4	3,383.54	3/4	3/4	3,091.57	3/4	3/4	2,734.94	3/4	3/4	2,441.94	3/4
4			4			4			4			4	3,920.99	4	4	3,753.40	4	4	3,570.82	4	4	3,379.54	4	4	3,084.14	4	4	2,727.51	4	4	2,438.51	4
1/4			1/4			1/4			1/4			1/4	3,917.62	1/4	1/4	3,749.75	1/4	1/4	3,566.90	1/4	1/4	3,375.54	1/4	1/4	3,076.71	1/4	1/4	2,720.08	1/4	1/4	2,435.08	1/4
1/2			1/2			1/2			1/2			1/2	3,914.24	1/2	1/2	3,746.10	1/2	1/2	3,562.98	1/2	1/2	3,371.54	1/2	1/2	3,069.28	1/2	1/2	2,712.65	1/2	1/2	2,431.65	1/2
3/4			3/4			3/4			3/4			3/4	3,910.85	3/4	3/4	3,742.40	3/4	3/4	3,559.04	3/4	3/4	3,367.54	3/4	3/4	3,061.85	3/4	3/4	2,705.22	3/4	3/4	2,428.22	3/4
5			5			5			5			5	3,907.46	5	5	3,738.69	5	5	3,555.10	5	5	3,363.55	5	5	3,054.42	5	5	2,697.79	5	5	2,424.79	5
1/4			1/4			1/4			1/4			1/4	3,904.06	1/4	1/4	3,734.98	1/4	1/4	3,551.15	1/4	1/4	3,359.55	1/4	1/4	3,046.99	1/4	1/4	2,690.36	1/4	1/4	2,421.36	1/4
1/2			1/2			1/2			1/2			1/2	3,900.67	1/2	1/2	3,731.27	1/2	1/2	3,547.21	1/2	1/2	3,355.55	1/2	1/2	3,039.56	1/2	1/2	2,682.93	1/2	1/2	2,417.93	1/2
3/4			3/4			3/4			3/4			3/4	3,897.26	3/4	3/4	3,727.54	3/4	3/4	3,543.25	3/4	3/4	3,351.55	3/4	3/4	3,032.13	3/4	3/4	2,675.51	3/4	3/4	2,414.51	3/4
6			6			6			6			6	3,893.84	6	6	3,723.81	6	6	3,539.30	6	6	3,347.55	6	6	3,024.70	6	6	2,668.08	6	6	2,411.08	6
1/4			1/4			1/4			1/4			1/4	3,890.43	1/4	1/4	3,720.08	1/4	1/4	3,535.34	1/4	1/4	3,343.55	1/4	1/4	3,017.27	1/4	1/4	2,660.65	1/4	1/4	2,407.65	1/4
1/2			1/2			1/2			1/2			1/2	3,887.02	1/2	1/2	3,716.35	1/2	1/2	3,531.38	1/2	1/2	3,339.56	1/2	1/2	3,009.84	1/2	1/2	2,653.22	1/2	1/2	2,404.22	1/2
3/4			3/4			3/4			3/4			3/4	3,883.59	3/4	3/4	3,712.61	3/4	3/4	3,527.40	3/4	3/4	3,335.56	3/4	3/4	3,002.41	3/4	3/4	2,645.79	3/4	3/4	2,400.79	3/4
7			7			7			7			7	3,880.16	7	7	3,708.86	7	7	3,523.42	7	7	3,331.56	7	7	2,994.98	7	7	2,638.36	7	7	2,397.36	7
1/4			1/4			1/4			1/4			1/4	3,876.72	1/4	1/4	3,705.11	1/4	1/4	3,519.44	1/4	1/4	3,327.56	1/4	1/4	2,987.55	1/4	1/4	2,630.93	1/4	1/4	2,393.93	1/4
1/2			1/2			1/2			1/2			1/2	3,873.29	1/2	1/2	3,701.36	1/2	1/2	3,515.46	1/2	1/2	3,323.56	1/2	1/2	2,980.12	1/2	1/2	2,623.50	1/2	1/2	2,390.50	1/2
3/4			3/4			3/4			3/4			3/4	3,869.84	3/4	3/4	3,697.60	3/4	3/4	3,511.47	3/4	3/4	3,319.56	3/4	3/4	2,972.69	3/4	3/4	2,616.07	3/4	3/4	2,387.07	3/4
8			8			8			8			8	3,866.39	8	8	3,693.83	8	8	3,507.47	8	8	3,315.57	8	8	2,965.26	8	8	2,608.64	8	8	2,383.64	8
1/4			1/4			1/4			1/4			1/4	3,862.94	1/4	1/4	3,690.06	1/4	1/4	3,503.48	1/4	1/4	3,311.57	1/4	1/4	2,957.83	1/4	1/4	2,601.21	1/4	1/4	2,380.21	1/4
1/2			1/2			1/2			1/2			1/2	4,023.99	1/2	1/2	3,859.49	1/2	1/2	3,686.30	1/2	1/2	3,499.49	1/2	1/2	3,307.57	1/2	1/2	2,950.40	1/2	1/2	2,593.78	1/2
3/4			3/4			3/4			3/4			3/4	4,021.63	3/4	3/4	3,856.02	3/4	3/4	3,682.51	3/4	3/4	3,495.49	3/4	3/4	3,300.12	3/4	3/4	2,942.97	3/4	3/4	2,586.35	3/4
9			9			9			9			9	4,019.27	9	9	3,852.55	9	9	3,678.72	9	9	3,491.49	9	9	3,292.67	9	9	2,935.54	9	9	2,578.92	9
1/4			1/4			1/4			1/4			1/4	4,016.91	1/4	1/4	3,849.08	1/4	1/4	3,674.94	1/4	1/4	3,487.49	1/4	1/4	3,285.21	1/4	1/4	2,928.11	1/4	1/4	2,571.49	1/4
1/2			1/2			1/2			1/2			1/2	4,014.55	1/2	1/2	3,845.60	1/2	1/2	3,671.15	1/2	1/2	3,483.49	1/2	1/2	3,277.76	1/2	1/2	2,920.69	1/2	1/2	2,564.06	1/2
3/4			3/4			3/4			3/4			3/4	4,010.98	3/4	3/4	3,842.12	3/4	3/4	3,667.34	3/4	3/4	3,479.50	3/4	3/4	3,270.31	3/4	3/4	2,913.26	3/4	3/4	2,556.63	3/4
10			10			10			10			10	4,007.42	10	10	3,838.63	10	10	3,663.54	10	10	3,475.50	10	10	3,262.86	10	10	2,905.83	10	10	2,549.20	10
1/4			1/4			1/4			1/4			1/4	4,003.85	1/4	1/4	3,835.14	1/4	1/4	3,659.73	1/4	1/4	3,471.50	1/4	1/4	3,255.40	1/4	1/4	2,898.40	1/4	1/4	2,541.77	1/4
1/2			1/2			1/2			1/2			1/2	4,000.29	1/2	1/2	3,831.65	1/2	1/2	3,655.93	1/2	1/2	3,467.50	1/2	1/2	3,247.95	1/2	1/2					



BARGE "KIRBY 27780"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,489.76		2,133.14		1,776.51		1,420.29		1,069.35		723.72		378.56		57.11				
1/4	2,482.33	1/4	2,125.71	1/4	1,769.08	1/4	1,412.89	1/4	1,062.15	1/4	716.49	1/4	371.14	1/4	54.94	1/4		1/4	
1/2	2,474.90	1/2	2,118.28	1/2	1,761.65	1/2	1,405.48	1/2	1,054.95	1/2	709.27	1/2	363.72	1/2	52.76	1/2		1/2	
3/4	2,467.47	3/4	2,110.85	3/4	1,754.22	3/4	1,398.23	3/4	1,047.76	3/4	702.04	3/4	356.32	3/4	51.41	3/4		3/4	
1	2,460.04	1	2,103.42	1	1,746.79	1	1,390.99	1	1,040.57	1	694.82	1	348.91	1	50.05	1		1	
1/4	2,452.61	1/4	2,095.99	1/4	1,739.36	1/4	1,383.75	1/4	1,033.37	1/4	687.60	1/4	341.51	1/4	48.70	1/4		1/4	
1/2	2,445.18	1/2	2,088.56	1/2	1,731.93	1/2	1,376.50	1/2	1,026.18	1/2	680.37	1/2	334.10	1/2	47.35	1/2		1/2	
3/4	2,437.75	3/4	2,081.13	3/4	1,724.50	3/4	1,369.23	3/4	1,018.99	3/4	673.15	3/4	326.70	3/4	46.84	3/4		3/4	
2	2,430.32	2	2,073.70	2	1,717.07	2	1,361.96	2	1,011.79	2	665.92	2	319.29	2	46.33	2		2	
1/4	2,422.90	1/4	2,066.27	1/4	1,709.64	1/4	1,354.70	1/4	1,004.60	1/4	658.70	1/4	311.89	1/4		1/4		1/4	
1/2	2,415.47	1/2	2,058.84	1/2	1,702.21	1/2	1,347.43	1/2	997.41	1/2	651.48	1/2	304.48	1/2		1/2		1/2	
3/4	2,408.04	3/4	2,051.41	3/4	1,694.78	3/4	1,340.16	3/4	990.22	3/4	644.25	3/4	297.06	3/4		3/4		3/4	
3	2,400.61	3	2,043.98	3	1,687.35	3	1,332.89	3	983.02	3	637.03	3	289.64	3		3		3	
1/4	2,393.18	1/4	2,036.55	1/4	1,679.92	1/4	1,325.62	1/4	975.83	1/4	629.80	1/4	282.22	1/4		1/4		1/4	
1/2	2,385.75	1/2	2,029.12	1/2	1,672.49	1/2	1,318.35	1/2	968.64	1/2	622.58	1/2	274.81	1/2		1/2		1/2	
3/4	2,378.32	3/4	2,021.69	3/4	1,665.06	3/4	1,311.08	3/4	961.45	3/4	615.36	3/4	267.37	3/4		3/4		3/4	
4	2,370.89	4	2,014.26	4	1,657.63	4	1,303.81	4	954.25	4	608.13	4	259.94	4		4		4	
1/4	2,363.46	1/4	2,006.83	1/4	1,650.20	1/4	1,296.55	1/4	947.06	1/4	600.91	1/4	252.50	1/4		1/4		1/4	
1/2	2,356.03	1/2	1,999.40	1/2	1,642.77	1/2	1,289.28	1/2	939.87	1/2	593.68	1/2	245.07	1/2		1/2		1/2	
3/4	2,348.60	3/4	1,991.97	3/4	1,635.34	3/4	1,282.01	3/4	932.67	3/4	586.46	3/4	237.64	3/4		3/4		3/4	
5	2,341.17	5	1,984.54	5	1,627.91	5	1,274.74	5	925.48	5	579.24	5	230.20	5		5		5	
1/4	2,333.74	1/4	1,977.11	1/4	1,620.48	1/4	1,267.47	1/4	918.29	1/4	572.01	1/4	222.77	1/4		1/4		1/4	
1/2	2,326.31	1/2	1,969.68	1/2	1,613.05	1/2	1,260.20	1/2	911.10	1/2	564.79	1/2	215.34	1/2		1/2		1/2	
3/4	2,318.88	3/4	1,962.25	3/4	1,605.62	3/4	1,252.95	3/4	903.90	3/4	557.35	3/4	207.90	3/4		3/4		3/4	
6	2,311.45	6	1,954.82	6	1,598.19	6	1,245.69	6	896.71	6	549.92	6	200.47	6		6		6	
1/4	2,304.02	1/4	1,947.39	1/4	1,590.76	1/4	1,238.44	1/4	889.51	1/4	542.48	1/4	193.04	1/4		1/4		1/4	
1/2	2,296.59	1/2	1,939.96	1/2	1,583.33	1/2	1,231.19	1/2	882.32	1/2	535.05	1/2	185.60	1/2		1/2		1/2	
3/4	2,289.16	3/4	1,932.54	3/4	1,575.90	3/4	1,223.77	3/4	875.12	3/4	527.61	3/4	178.17	3/4		3/4		3/4	
7	2,281.73	7	1,925.11	7	1,568.47	7	1,216.36	7	867.92	7	520.18	7	170.73	7		7		7	
1/4	2,274.30	1/4	1,917.68	1/4	1,561.04	1/4	1,208.95	1/4	860.73	1/4	512.74	1/4	163.30	1/4		1/4		1/4	
1/2	2,266.87	1/2	1,910.25	1/2	1,553.61	1/2	1,201.53	1/2	853.53	1/2	505.31	1/2	155.87	1/2		1/2		1/2	
3/4	2,259.44	3/4	1,902.82	3/4	1,546.20	3/4	1,194.12	3/4	846.34	3/4	497.87	3/4	148.45	3/4		3/4		3/4	
8	2,252.01	8	1,895.39	8	1,538.79	8	1,186.70	8	839.14	8	490.44	8	141.03	8		8		8	
1/4	2,244.58	1/4	1,887.96	1/4	1,531.39	1/4	1,179.29	1/4	831.95	1/4	483.00	1/4	133.61	1/4		1/4		1/4	
1/2	2,237.15	1/2	1,880.53	1/2	1,523.98	1/2	1,171.87	1/2	824.75	1/2	475.57	1/2	126.19	1/2		1/2		1/2	
3/4	2,229.72	3/4	1,873.10	3/4	1,516.58	3/4	1,164.46	3/4	817.55	3/4	468.58	3/4	119.41	3/4		3/4		3/4	
9	2,222.29	9	1,865.67	9	1,509.17	9	1,157.04	9	810.36	9	461.58	9	112.62	9		9		9	
1/4	2,214.86	1/4	1,858.24	1/4	1,501.76	1/4	1,149.63	1/4	803.16	1/4	454.59	1/4	105.84	1/4		1/4		1/4	
1/2	2,207.43	1/2	1,850.81	1/2	1,494.36	1/2	1,142.21	1/2	795.96	1/2	447.59	1/2	99.06	1/2		1/2		1/2	
3/4	2,200.00	3/4	1,843.38	3/4	1,486.95	3/4	1,134.80	3/4	788.73	3/4	441.04	3/4	93.52	3/4		3/4		3/4	
10	2,192.57	10	1,835.95	10	1,479.54	10	1,127.39	10	781.51	10	434.48	10	87.98	10		10		10	
1/4	2,185.14	1/4	1,828.52	1/4	1,472.14	1/4	1,119.97	1/4	774.28	1/4	427.93	1/4	82.45	1/4		1/4		1/4	
1/2	2,177.72	1/2	1,821.09	1/2	1,464.73	1/2	1,112.56	1/2	767.06	1/2	421.38	1/2	76.91	1/2		1/2		1/2	
3/4	2,170.29	3/4	1,813.66	3/4	1,457.32	3/4	1,105.35	3/4	759.84	3/4	414.38	3/4	73.05	3/4		3/4		3/4	
11	2,162.86	11	1,806.23	11	1,449.92	11	1,098.15	11	752.61	11	407.39	11	69.19	11		11		11	
1/4	2,155.43	1/4	1,798.80	1/4	1,442.51	1/4	1,090.94	1/4	745.39	1/4	400.39	1/4	65.33	1/4		1/4		1/4	
1/2	2,148.00	1/2	1,791.37	1/2	1,435.10	1/2	1,083.74	1/2	738.16	1/2	393.40	1/2	61.47	1/2		1/2		1/2	
3/4	2,140.57	3/4	1,783.94	3/4	1,427.70	3/4	1,076.54	3/4	730.94	3/4	385.98	3/4	59.29	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/08/2011 CL - SW
CALCULATED: 06/09/2011 CL
REPRINTED: 06/30/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2011

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



BARGE "KIRBY 27780"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
									3,996.13		3,830.56		3,652.23		3,462.40		3,215.14		2,857.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,992.51	1/4	3,827.01	1/4	3,648.36	1/4	3,458.40	1/4	3,207.68	1/4	2,849.89		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,988.88	1/2	3,823.46	1/2	3,644.50	1/2	3,454.40	1/2	3,200.23	1/2	2,842.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,985.26	3/4	3,819.91	3/4	3,640.63	3/4	3,450.40	3/4	3,192.77	3/4	2,834.99		
1	1	1	1	1	1	1	1	1	3,981.64	1	3,816.36	1	3,636.77	1	3,446.40	1	3,185.32	1	2,827.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,978.30	1/4	3,812.79	1/4	3,632.88	1/4	3,442.40	1/4	3,177.87	1/4	2,820.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,974.97	1/2	3,809.22	1/2	3,629.00	1/2	3,438.40	1/2	3,170.41	1/2	2,812.63		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,971.63	3/4	3,805.65	3/4	3,625.11	3/4	3,434.40	3/4	3,162.96	3/4	2,805.17		
2	2	2	2	2	2	2	2	2	3,968.29	2	3,802.09	2	3,621.23	2	3,430.40	2	3,155.50	2	2,797.72		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,964.94	1/4	3,798.50	1/4	3,617.32	1/4	3,426.40	1/4	3,148.05	1/4	2,790.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,961.58	1/2	3,794.91	1/2	3,613.42	1/2	3,422.40	1/2	3,140.60	1/2	2,782.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,958.22	3/4	3,791.32	3/4	3,609.52	3/4	3,418.40	3/4	3,133.14	3/4	2,775.36		
3	3	3	3	3	3	3	3	3	3,954.87	3	3,787.73	3	3,605.61	3	3,414.40	3	3,125.69	3	2,767.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,951.49	1/4	3,784.08	1/4	3,601.69	1/4	3,410.40	1/4	3,118.23	1/4	2,760.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,948.11	1/2	3,780.43	1/2	3,597.77	1/2	3,406.40	1/2	3,110.78	1/2	2,752.99		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,944.74	3/4	3,776.79	3/4	3,593.84	3/4	3,402.40	3/4	3,103.33	3/4	2,745.54		
4	4	4	4	4	4	4	4	4	3,941.36	4	3,773.14	4	3,589.92	4	3,398.40	4	3,098.87	4	2,738.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,937.97	1/4	3,769.43	1/4	3,585.98	1/4	3,394.40	1/4	3,088.42	1/4	2,730.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,934.57	1/2	3,765.71	1/2	3,582.04	1/2	3,390.40	1/2	3,080.97	1/2	2,723.18		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,931.18	3/4	3,762.00	3/4	3,578.09	3/4	3,386.40	3/4	3,073.51	3/4	2,715.72		
5	5	5	5	5	5	5	5	5	3,927.78	5	3,758.29	5	3,574.15	5	3,382.40	5	3,066.06	5	2,708.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,924.37	1/4	3,754.56	1/4	3,570.19	1/4	3,378.40	1/4	3,058.60	1/4	2,700.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,920.95	1/2	3,750.83	1/2	3,566.23	1/2	3,374.40	1/2	3,051.15	1/2	2,693.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,917.54	3/4	3,747.10	3/4	3,562.27	3/4	3,370.40	3/4	3,043.70	3/4	2,685.91		
6	6	6	6	6	6	6	6	6	3,914.12	6	3,743.37	6	3,558.31	6	3,366.40	6	3,036.24	6	2,678.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,910.69	1/4	3,739.62	1/4	3,554.33	1/4	3,362.40	1/4	3,028.79	1/4	2,671.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,907.26	1/2	3,735.87	1/2	3,550.34	1/2	3,358.40	1/2	3,021.33	1/2	2,663.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,903.82	3/4	3,732.12	3/4	3,546.36	3/4	3,354.40	3/4	3,013.88	3/4	2,656.09		
7	7	7	7	7	7	7	7	7	3,900.39	7	3,728.37	7	3,542.38	7	3,350.40	7	3,006.43	7	2,648.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,896.94	1/4	3,724.60	1/4	3,538.39	1/4	3,346.40	1/4	2,998.97	1/4	2,641.19		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,893.48	1/2	3,720.84	1/2	3,534.39	1/2	3,342.40	1/2	2,991.52	1/2	2,633.73		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,890.03	3/4	3,717.07	3/4	3,530.40	3/4	3,338.40	3/4	2,984.06	3/4	2,626.28		
8	8	8	8	8	8	8	8	8	4,051.17	8	3,886.58	8	3,713.30	8	3,526.40	8	3,334.40	8	2,976.61	8	2,618.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,048.81	1/4	3,883.10	1/4	3,709.51	1/4	3,522.40	1/4	3,326.94	1/4	2,969.16	1/4	2,611.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,046.45	1/2	3,879.63	1/2	3,705.72	1/2	3,518.40	1/2	3,319.49	1/2	2,961.70	1/2	2,603.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,044.08	3/4	3,876.16	3/4	3,701.93	3/4	3,514.40	3/4	3,312.04	3/4	2,954.25	3/4	2,596.46
9	9	9	9	9	9	9	9	9	4,041.72	9	3,872.69	9	3,698.15	9	3,510.40	9	3,304.58	9	2,946.80	9	2,589.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,038.15	1/4	3,869.20	1/4	3,694.34	1/4	3,506.40	1/4	3,297.13	1/4	2,939.34	1/4	2,581.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,034.59	1/2	3,865.70	1/2	3,690.53	1/2	3,502.40	1/2	3,289.67	1/2	2,931.89	1/2	2,574.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,031.02	3/4	3,862.21	3/4	3,686.72	3/4	3,498.40	3/4	3,282.22	3/4	2,924.43	3/4	2,566.65
10	10	10	10	10	10	10	10	10	4,027.45	10	3,858.72	10	3,682.92	10	3,494.40	10	3,274.77	10	2,916.98	10	2,559.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,023.54	1/4	3,855.21	1/4	3,679.09	1/4	3,490.40	1/4	3,267.31	1/4	2,909.53	1/4	2,551.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,019.62	1/2	3,851.70	1/2	3,675.26	1/2	3,486.40	1/2	3,259.86	1/2	2,902.07	1/2	2,544.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,015.71	3/4	3,848.19	3/4	3,671.44	3/4	3,482.40	3/4	3,252.41	3/4	2,894.62	3/4	2,536.83
11	11	11	11	11	11	11	11	11	4,011.79	11	3,844.68	11	3,667.61	11	3,478.40	11	3,244.95	11	2,887.16	11	2,529.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,007.87	1/4	3,841.15	1/4	3,663.76	1/4	3,474.40	1/4	3,237.50	1/4	2,879.71	1/4	2,521.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,003.96	1/2	3,837.62	1/2	3,659.92	1/2	3,470.40	1/2	3,230.04	1/2	2,872.26	1/2	2,514.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,000.04	3/4	3,834.09	3/4	3,656.07	3/4	3,466.40	3/4	3,222.59	3/4	2,864.80	3/4	2,507.02

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 56'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 27780"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,499.56	0	2,141.77	0	1,783.98	0	1,426.19	0	1,072.36	0	715.57	0	364.85	0	52.93	0		0	
1/4	2,492.11	1/4	2,134.32	1/4	1,776.53	1/4	1,418.89	1/4	1,064.93	1/4	708.12	1/4	357.43	1/4	51.56	1/4		1/4	
1/2	2,484.65	1/2	2,126.87	1/2	1,769.08	1/2	1,411.60	1/2	1,057.51	1/2	700.66	1/2	350.00	1/2	50.19	1/2		1/2	
3/4	2,477.20	3/4	2,119.41	3/4	1,761.62	3/4	1,404.31	3/4	1,050.08	3/4	693.21	3/4	342.58	3/4	48.81	3/4		3/4	
1	2,469.75	1	2,111.96	1	1,754.17	1	1,397.02	1	1,042.66	1	685.75	1	335.15	1	47.44	1		1	
1/4	2,462.29	1/4	2,104.50	1/4	1,746.71	1/4	1,389.73	1/4	1,035.23	1/4	678.30	1/4	327.73	1/4	46.91	1/4		1/4	
1/2	2,454.84	1/2	2,097.05	1/2	1,739.26	1/2	1,382.43	1/2	1,027.81	1/2	670.84	1/2	320.31	1/2	46.38	1/2		1/2	
3/4	2,447.38	3/4	2,089.60	3/4	1,731.80	3/4	1,375.14	3/4	1,020.38	3/4	663.39	3/4	312.88	3/4		3/4		3/4	
2	2,439.93	2	2,082.14	2	1,724.35	2	1,367.85	2	1,012.95	2	655.94	2	305.46	2		2		2	
1/4	2,432.48	1/4	2,074.69	1/4	1,716.90	1/4	1,360.56	1/4	1,005.53	1/4	648.48	1/4	298.02	1/4		1/4		1/4	
1/2	2,425.02	1/2	2,067.24	1/2	1,709.44	1/2	1,353.27	1/2	998.10	1/2	641.03	1/2	290.58	1/2		1/2		1/2	
3/4	2,417.57	3/4	2,059.78	3/4	1,701.99	3/4	1,345.97	3/4	990.68	3/4	633.57	3/4	283.14	3/4		3/4		3/4	
3	2,410.11	3	2,052.33	3	1,694.53	3	1,338.68	3	983.25	3	626.12	3	275.70	3		3		3	
1/4	2,402.66	1/4	2,044.87	1/4	1,687.08	1/4	1,331.39	1/4	975.83	1/4	618.66	1/4	268.25	1/4		1/4		1/4	
1/2	2,395.21	1/2	2,037.42	1/2	1,679.63	1/2	1,324.10	1/2	968.40	1/2	611.21	1/2	260.79	1/2		1/2		1/2	
3/4	2,387.75	3/4	2,029.97	3/4	1,672.17	3/4	1,316.81	3/4	960.98	3/4	603.75	3/4	253.34	3/4		3/4		3/4	
4	2,380.30	4	2,022.51	4	1,664.72	4	1,309.51	4	953.55	4	596.30	4	245.88	4		4		4	
1/4	2,372.84	1/4	2,015.06	1/4	1,657.26	1/4	1,302.22	1/4	946.13	1/4	588.85	1/4	238.43	1/4		1/4		1/4	
1/2	2,365.39	1/2	2,007.60	1/2	1,649.81	1/2	1,294.93	1/2	938.70	1/2	581.39	1/2	230.98	1/2		1/2		1/2	
3/4	2,357.94	3/4	2,000.15	3/4	1,642.36	3/4	1,287.64	3/4	931.27	3/4	573.94	3/4	223.52	3/4		3/4		3/4	
5	2,350.48	5	1,992.70	5	1,634.90	5	1,280.34	5	923.85	5	566.48	5	216.07	5		5		5	
1/4	2,343.03	1/4	1,985.24	1/4	1,627.45	1/4	1,273.05	1/4	916.42	1/4	559.03	1/4	208.62	1/4		1/4		1/4	
1/2	2,335.58	1/2	1,977.79	1/2	1,619.99	1/2	1,265.76	1/2	909.00	1/2	551.57	1/2	201.16	1/2		1/2		1/2	
3/4	2,328.12	3/4	1,970.33	3/4	1,612.54	3/4	1,258.47	3/4	901.57	3/4	544.12	3/4	193.71	3/4		3/4		3/4	
6	2,320.67	6	1,962.88	6	1,605.09	6	1,251.17	6	894.15	6	536.66	6	186.25	6		6		6	
1/4	2,313.21	1/4	1,955.43	1/4	1,597.63	1/4	1,243.72	1/4	886.72	1/4	529.21	1/4	178.80	1/4		1/4		1/4	
1/2	2,305.76	1/2	1,947.97	1/2	1,590.18	1/2	1,236.26	1/2	879.30	1/2	521.75	1/2	171.35	1/2		1/2		1/2	
3/4	2,298.31	3/4	1,940.52	3/4	1,582.72	3/4	1,228.81	3/4	871.87	3/4	514.30	3/4	163.89	3/4		3/4		3/4	
7	2,290.85	7	1,933.06	7	1,575.27	7	1,221.35	7	864.44	7	506.84	7	156.44	7		7		7	
1/4	2,283.40	1/4	1,925.61	1/4	1,567.81	1/4	1,213.90	1/4	857.02	1/4	499.39	1/4	149.00	1/4		1/4		1/4	
1/2	2,275.94	1/2	1,918.16	1/2	1,560.36	1/2	1,206.44	1/2	849.59	1/2	491.93	1/2	141.56	1/2		1/2		1/2	
3/4	2,268.49	3/4	1,910.70	3/4	1,552.91	3/4	1,198.99	3/4	842.17	3/4	484.48	3/4	134.12	3/4		3/4		3/4	
8	2,261.04	8	1,903.25	8	1,545.45	8	1,191.53	8	834.74	8	477.02	8	126.68	8		8		8	
1/4	2,253.58	1/4	1,895.80	1/4	1,538.00	1/4	1,184.08	1/4	827.31	1/4	470.01	1/4	119.88	1/4		1/4		1/4	
1/2	2,246.13	1/2	1,888.34	1/2	1,530.54	1/2	1,176.63	1/2	819.88	1/2	462.99	1/2	113.08	1/2		1/2		1/2	
3/4	2,238.67	3/4	1,880.89	3/4	1,523.09	3/4	1,169.17	3/4	812.45	3/4	455.98	3/4	106.27	3/4		3/4		3/4	
9	2,231.22	9	1,873.43	9	1,515.64	9	1,161.72	9	805.02	9	448.97	9	99.47	9		9		9	
1/4	2,223.77	1/4	1,865.98	1/4	1,508.18	1/4	1,154.26	1/4	797.57	1/4	442.39	1/4	93.91	1/4		1/4		1/4	
1/2	2,216.31	1/2	1,858.52	1/2	1,500.73	1/2	1,146.81	1/2	790.11	1/2	435.82	1/2	88.36	1/2		1/2		1/2	
3/4	2,208.86	3/4	1,851.07	3/4	1,493.27	3/4	1,139.35	3/4	782.66	3/4	429.24	3/4	82.80	3/4		3/4		3/4	
10	2,201.41	10	1,843.62	10	1,485.82	10	1,131.90	10	775.21	10	422.67	10	77.24	10		10		10	
1/4	2,193.95	1/4	1,836.16	1/4	1,478.37	1/4	1,124.44	1/4	767.75	1/4	415.66	1/4	73.36	1/4		1/4		1/4	
1/2	2,186.50	1/2	1,828.71	1/2	1,470.91	1/2	1,116.99	1/2	760.30	1/2	408.64	1/2	69.48	1/2		1/2		1/2	
3/4	2,179.04	3/4	1,821.25	3/4	1,463.46	3/4	1,109.53	3/4	752.84	3/4	401.63	3/4	65.60	3/4		3/4		3/4	
11	2,171.59	11	1,813.80	11	1,456.00	11	1,102.08	11	745.39	11	394.61	11	61.72	11		11		11	
1/4	2,164.14	1/4	1,806.35	1/4	1,448.55	1/4	1,094.65	1/4	737.93	1/4	387.17	1/4	59.52	1/4		1/4		1/4	
1/2	2,156.68	1/2	1,798.89	1/2	1,441.10	1/2	1,087.22	1/2	730.48	1/2	379.73	1/2	57.33	1/2		1/2		1/2	
3/4	2,149.23	3/4	1,791.44	3/4	1,433.64	3/4	1,079.79	3/4	723.02	3/4	372.29	3/4	55.13	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/08/2011 CL - SW
CALCULATED: 06/09/2011 CL
REPRINTED: 06/30/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2011

PRECISION MEASUREMENT
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BARGE "KIRBY 27780"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2	- 00-5/8	00-5/8
2 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-5/8	00-5/8
3 PORT	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/4	01-1/4	- 01-5/8	01-5/8	- 02-0/8	02-0/8	- 02-3/8	02-3/8
3 STBD	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-5/8	01-5/8	- 02-0/8	02-0/8	- 02-3/8	02-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

June 9, 2011

PRECISION MEASUREMENT
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Pearland, Texas 77588

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BARGE "KIRBY 27780"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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.
0	8.53	0	309.88	0	672.27	0	1,048.54	0	1,424.83	0	1,802.35	0	2,180.09	0	2,557.81	0	2,935.54	0	3,313.26
1/4	11.90	1/4	317.12	1/4	680.14	1/4	1,056.35	1/4	1,432.67	1/4	1,810.22	1/4	2,187.96	1/4	2,565.68	1/4	2,943.41	1/4	3,321.13
1/2	15.28	1/2	324.36	1/2	688.01	1/2	1,064.16	1/2	1,440.52	1/2	1,818.09	1/2	2,195.82	1/2	2,573.55	1/2	2,951.28	1/2	3,329.00
3/4	20.67	3/4	331.69	3/4	695.88	3/4	1,071.98	3/4	1,448.36	3/4	1,825.96	3/4	2,203.69	3/4	2,581.42	3/4	2,959.15	3/4	3,336.87
1	26.07	1	339.01	1	703.75	1	1,079.79	1	1,456.20	1	1,833.83	1	2,211.56	1	2,589.29	1	2,967.02	1	3,344.74
1/4	31.46	1/4	346.34	1/4	711.62	1/4	1,087.60	1/4	1,464.04	1/4	1,841.70	1/4	2,219.43	1/4	2,597.16	1/4	2,974.88	1/4	3,352.61
1/2	36.86	1/2	353.67	1/2	719.49	1/2	1,095.41	1/2	1,471.88	1/2	1,849.57	1/2	2,227.30	1/2	2,605.03	1/2	2,982.75	1/2	3,360.48
3/4	42.75	3/4	361.09	3/4	727.36	3/4	1,103.22	3/4	1,479.74	3/4	1,857.44	3/4	2,235.17	3/4	2,612.90	3/4	2,990.62	3/4	3,368.35
2	48.65	2	368.52	2	735.23	2	1,111.04	2	1,487.60	2	1,865.31	2	2,243.04	2	2,620.77	2	2,998.49	2	3,376.22
1/4	54.54	1/4	375.94	1/4	743.10	1/4	1,118.85	1/4	1,495.45	1/4	1,873.18	1/4	2,250.91	1/4	2,628.64	1/4	3,006.36	1/4	3,384.09
1/2	60.44	1/2	383.37	1/2	750.97	1/2	1,126.66	1/2	1,503.31	1/2	1,881.05	1/2	2,258.78	1/2	2,636.51	1/2	3,014.23	1/2	3,391.96
3/4	66.01	3/4	390.90	3/4	758.84	3/4	1,134.47	3/4	1,511.18	3/4	1,888.92	3/4	2,266.65	3/4	2,644.37	3/4	3,022.10	3/4	3,399.83
3	71.58	3	398.44	3	766.71	3	1,142.29	3	1,519.05	3	1,896.79	3	2,274.52	3	2,652.24	3	3,029.97	3	3,407.70
1/4	77.15	1/4	405.98	1/4	774.58	1/4	1,150.10	1/4	1,526.92	1/4	1,904.66	1/4	2,282.39	1/4	2,660.11	1/4	3,037.84	1/4	3,415.57
1/2	82.72	1/2	413.51	1/2	782.45	1/2	1,157.91	1/2	1,534.79	1/2	1,912.53	1/2	2,290.26	1/2	2,667.98	1/2	3,045.71	1/2	3,423.44
3/4	88.40	3/4	420.93	3/4	790.32	3/4	1,165.74	3/4	1,542.66	3/4	1,920.40	3/4	2,298.13	3/4	2,675.85	3/4	3,053.58	3/4	3,431.30
4	94.09	4	428.36	4	798.19	4	1,173.57	4	1,550.53	4	1,928.27	4	2,305.99	4	2,683.72	4	3,061.45	4	3,439.17
1/4	99.78	1/4	435.78	1/4	806.06	1/4	1,181.40	1/4	1,558.39	1/4	1,936.14	1/4	2,313.86	1/4	2,691.59	1/4	3,069.32	1/4	3,447.04
1/2	105.46	1/2	443.20	1/2	813.93	1/2	1,189.23	1/2	1,566.26	1/2	1,944.01	1/2	2,321.73	1/2	2,699.46	1/2	3,077.19	1/2	3,454.91
3/4	111.72	3/4	450.27	3/4	821.79	3/4	1,197.08	3/4	1,574.13	3/4	1,951.87	3/4	2,329.60	3/4	2,707.33	3/4	3,085.06	3/4	3,462.78
5	117.97	5	457.34	5	829.64	5	1,204.94	5	1,582.00	5	1,959.74	5	2,337.47	5	2,715.20	5	3,092.92	5	3,470.65
1/4	124.23	1/4	464.41	1/4	837.50	1/4	1,212.79	1/4	1,589.87	1/4	1,967.61	1/4	2,345.34	1/4	2,723.07	1/4	3,100.79	1/4	3,478.52
1/2	130.48	1/2	471.48	1/2	845.35	1/2	1,220.65	1/2	1,597.74	1/2	1,975.48	1/2	2,353.21	1/2	2,730.94	1/2	3,108.66	1/2	3,486.39
3/4	137.07	3/4	478.62	3/4	853.18	3/4	1,228.52	3/4	1,605.61	3/4	1,983.35	3/4	2,361.08	3/4	2,738.81	3/4	3,116.53	3/4	3,494.26
6	143.66	6	485.77	6	861.01	6	1,236.39	6	1,613.48	6	1,991.22	6	2,368.95	6	2,746.68	6	3,124.40	6	3,502.13
1/4	150.25	1/4	492.91	1/4	868.84	1/4	1,244.26	1/4	1,621.35	1/4	1,999.09	1/4	2,376.82	1/4	2,754.54	1/4	3,132.27	1/4	3,510.00
1/2	156.84	1/2	500.06	1/2	876.67	1/2	1,252.13	1/2	1,629.22	1/2	2,006.96	1/2	2,384.69	1/2	2,762.41	1/2	3,140.14	1/2	3,517.87
3/4	163.55	3/4	507.70	3/4	884.48	3/4	1,260.00	3/4	1,637.09	3/4	2,014.83	3/4	2,392.56	3/4	2,770.28	3/4	3,148.01	3/4	3,525.74
7	170.25	7	515.34	7	892.30	7	1,267.87	7	1,644.96	7	2,022.70	7	2,400.43	7	2,778.15	7	3,155.88	7	3,533.61
1/4	176.95	1/4	522.97	1/4	900.11	1/4	1,275.74	1/4	1,652.83	1/4	2,030.57	1/4	2,408.30	1/4	2,786.02	1/4	3,163.75	1/4	3,541.47
1/2	183.66	1/2	530.61	1/2	907.92	1/2	1,283.61	1/2	1,660.70	1/2	2,038.44	1/2	2,416.16	1/2	2,793.89	1/2	3,171.62	1/2	3,549.34
3/4	190.48	3/4	538.48	3/4	915.74	3/4	1,291.47	3/4	1,668.57	3/4	2,046.31	3/4	2,424.03	3/4	2,801.76	3/4	3,179.49	3/4	3,557.21
8	197.30	8	546.35	8	923.55	8	1,299.32	8	1,676.44	8	2,054.18	8	2,431.90	8	2,809.63	8	3,187.36	8	3,565.08
1/4	204.13	1/4	554.22	1/4	931.36	1/4	1,307.18	1/4	1,684.31	1/4	2,062.05	1/4	2,439.77	1/4	2,817.50	1/4	3,195.23	1/4	3,572.95
1/2	210.95	1/2	562.09	1/2	939.17	1/2	1,315.04	1/2	1,692.18	1/2	2,069.92	1/2	2,447.64	1/2	2,825.37	1/2	3,203.09	1/2	3,580.82
3/4	217.88	3/4	569.96	3/4	946.98	3/4	1,322.88	3/4	1,700.05	3/4	2,077.78	3/4	2,455.51	3/4	2,833.24	3/4	3,210.96	3/4	3,588.69
9	224.82	9	577.83	9	954.80	9	1,330.72	9	1,707.92	9	2,085.65	9	2,463.38	9	2,841.11	9	3,218.83	9	3,596.56
1/4	231.75	1/4	585.70	1/4	962.61	1/4	1,338.57	1/4	1,715.79	1/4	2,093.52	1/4	2,471.25	1/4	2,848.98	1/4	3,226.70	1/4	3,604.43
1/2	238.69	1/2	593.57	1/2	970.42	1/2	1,346.41	1/2	1,723.66	1/2	2,101.39	1/2	2,479.12	1/2	2,856.85	1/2	3,234.57	1/2	3,612.30
3/4	245.72	3/4	601.44	3/4	978.23	3/4	1,354.25	3/4	1,731.53	3/4	2,109.26	3/4	2,486.99	3/4	2,864.71	3/4	3,242.44	3/4	3,620.17
10	252.76	10	609.31	10	986.04	10	1,362.09	10	1,739.40	10	2,117.13	10	2,494.86	10	2,872.58	10	3,250.31	10	3,628.04
1/4	259.80	1/4	617.19	1/4	993.86	1/4	1,369.94	1/4	1,747.27	1/4	2,125.00	1/4	2,502.73	1/4	2,880.45	1/4	3,258.18	1/4	3,635.91
1/2	266.84	1/2	625.06	1/2	1,001.67	1/2	1,377.78	1/2	1,755.13	1/2	2,132.87	1/2	2,510.60	1/2	2,888.32	1/2	3,266.05	1/2	3,643.78
3/4	273.98	3/4	632.93	3/4	1,009.48	3/4	1,385.62	3/4	1,763.00	3/4	2,140.74	3/4	2,518.47	3/4	2,896.19	3/4	3,273.92	3/4	3,651.64
11	281.12	11	640.79	11	1,017.29	11	1,393.46	11	1,770.87	11	2,148.61	11	2,526.33	11	2,904.06	11	3,281.79	11	3,659.51
1/4	288.26	1/4	648.66	1/4	1,025.10	1/4	1,401.31	1/4	1,778.74	1/4	2,156.48	1/4	2,534.20	1/4	2,911.93	1/4	3,289.66	1/4	3,667.38
1/2	295.40	1/2	656.53	1/2	1,032.92	1/2	1,409.15	1/2	1,786.61	1/2	2,164.35	1/2	2,542.07	1/2	2,919.80	1/2	3,297.53	1/2	3,675.25
3/4	302.64	3/4	664.40	3/4	1,040.73	3/4	1,416.99	3/4	1,794.48	3/4	2,172.22	3/4	2,549.94	3/4	2,927.67	3/4	3,305.40	3/4	3,683.12

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE THAT EXPANDS TO 4".
 GAUGE POINT: (MANUAL) LOCATED 12'-09" OFF CENTERLINE AND 46'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27780"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,690.99	0	4,067.14	0	4,425.53	0	4,758.26	0		0		0		0		0		0	
1/4	3,698.86	1/4	4,074.84	1/4	4,432.71	1/4	4,764.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,706.73	1/2	4,082.53	1/2	4,439.89	1/2	4,771.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,714.60	3/4	4,090.19	3/4	4,447.01	3/4	4,778.33	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,722.47	1	4,097.86	1	4,454.13	1	4,784.99	1		1		1		1		1		1	
1/4	3,730.34	1/4	4,105.52	1/4	4,461.25	1/4	4,791.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,738.21	1/2	4,113.18	1/2	4,468.37	1/2	4,798.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,746.08	3/4	4,120.80	3/4	4,475.45	3/4	4,805.25	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,753.95	2	4,128.42	2	4,482.54	2	4,812.18	2		2		2		2		2		2	
1/4	3,761.81	1/4	4,136.04	1/4	4,489.62	1/4	4,819.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,769.68	1/2	4,143.67	1/2	4,496.70	1/2	4,826.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,777.55	3/4	4,151.25	3/4	4,503.75	3/4	4,833.52	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,785.42	3	4,158.84	3	4,510.79	3	4,841.02	3		3		3		3		3		3	
1/4	3,793.29	1/4	4,166.42	1/4	4,517.84	1/4	4,848.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,801.16	1/2	4,174.01	1/2	4,524.88	1/2	4,856.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,809.03	3/4	4,181.55	3/4	4,531.89	3/4	4,863.80	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,816.90	4	4,189.10	4	4,538.89	4	4,871.58	4		4		4		4		4		4	
1/4	3,824.77	1/4	4,196.65	1/4	4,545.90	1/4	4,879.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,832.64	1/2	4,204.19	1/2	4,552.91	1/2	4,887.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,840.51	3/4	4,211.70	3/4	4,559.88	3/4	4,894.75	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,848.38	5	4,219.21	5	4,566.85	5	4,902.35	5		5		5		5		5		5	
1/4	3,856.25	1/4	4,226.72	1/4	4,573.81	1/4	4,909.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,864.12	1/2	4,234.23	1/2	4,580.78	1/2	4,917.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,871.99	3/4	4,241.70	3/4	4,587.71	3/4	4,924.33	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,879.85	6	4,249.17	6	4,594.65	6	4,931.11	6		6		6		6		6		6	
1/4	3,887.72	1/4	4,256.64	1/4	4,601.58	1/4	4,937.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,895.59	1/2	4,264.11	1/2	4,608.51	1/2	4,944.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,903.46	3/4	4,271.55	3/4	4,615.40	3/4	4,950.16	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,911.33	7	4,278.98	7	4,622.29	7	4,955.65	7		7		7		7		7		7	
1/4	3,919.20	1/4	4,286.41	1/4	4,629.19	1/4	4,961.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,927.06	1/2	4,293.84	1/2	4,636.08	1/2	4,966.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,934.91	3/4	4,301.24	3/4	4,642.93	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,942.75	8	4,308.63	8	4,649.79	8		8		8		8		8		8		8	
1/4	3,950.60	1/4	4,316.03	1/4	4,656.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,958.45	1/2	4,323.42	1/2	4,663.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,966.26	3/4	4,330.78	3/4	4,670.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,974.07	9	4,338.14	9	4,677.13	9		9		9		9		9		9		9	
1/4	3,981.88	1/4	4,345.49	1/4	4,683.95	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,989.70	1/2	4,352.85	1/2	4,690.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,997.47	3/4	4,360.17	3/4	4,697.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	4,005.24	10	4,367.49	10	4,704.33	10		10		10		10		10		10		10	
1/4	4,013.02	1/4	4,374.81	1/4	4,711.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,020.79	1/2	4,382.13	1/2	4,717.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,028.53	3/4	4,389.39	3/4	4,724.63	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,036.27	11	4,396.65	11	4,731.37	11		11		11		11		11		11		11	
1/4	4,044.00	1/4	4,403.91	1/4	4,738.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,051.74	1/2	4,411.17	1/2	4,744.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,059.44	3/4	4,418.35	3/4	4,751.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/08/2011 CL - SW
CALCULATED: 06/09/2011 CL
PRINTED: 06/09/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 27780"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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.
0	8.54	0	310.06	0	672.63	0	1,049.88	0	1,426.93	0	1,804.62	0	2,182.53	0	2,560.44	0	2,938.34	0	3,316.24
1/4	11.92	1/4	317.30	1/4	680.50	1/4	1,057.72	1/4	1,434.78	1/4	1,812.50	1/4	2,190.41	1/4	2,568.31	1/4	2,946.21	1/4	3,324.12
1/2	15.29	1/2	324.55	1/2	688.38	1/2	1,065.57	1/2	1,442.62	1/2	1,820.37	1/2	2,198.28	1/2	2,576.18	1/2	2,954.09	1/2	3,331.99
3/4	20.69	3/4	331.88	3/4	696.25	3/4	1,073.41	3/4	1,450.47	3/4	1,828.24	3/4	2,206.15	3/4	2,584.06	3/4	2,961.96	3/4	3,339.86
1	26.09	1	339.21	1	704.12	1	1,081.26	1	1,458.31	1	1,836.12	1	2,214.02	1	2,591.93	1	2,969.83	1	3,347.74
1/4	31.49	1/4	346.54	1/4	712.00	1/4	1,089.10	1/4	1,466.16	1/4	1,843.99	1/4	2,221.90	1/4	2,599.80	1/4	2,977.71	1/4	3,355.61
1/2	36.88	1/2	353.87	1/2	719.87	1/2	1,096.95	1/2	1,474.00	1/2	1,851.86	1/2	2,229.77	1/2	2,607.67	1/2	2,985.58	1/2	3,363.48
3/4	42.78	3/4	361.30	3/4	727.74	3/4	1,104.79	3/4	1,481.86	3/4	1,859.74	3/4	2,237.64	3/4	2,615.55	3/4	2,993.45	3/4	3,371.36
2	48.68	2	368.73	2	735.62	2	1,112.64	2	1,489.72	2	1,867.61	2	2,245.52	2	2,623.42	2	3,001.32	2	3,379.23
1/4	54.58	1/4	376.16	1/4	743.49	1/4	1,120.48	1/4	1,497.58	1/4	1,875.48	1/4	2,253.39	1/4	2,631.29	1/4	3,009.20	1/4	3,387.10
1/2	60.48	1/2	383.59	1/2	751.36	1/2	1,128.33	1/2	1,505.44	1/2	1,883.35	1/2	2,261.26	1/2	2,639.17	1/2	3,017.07	1/2	3,394.97
3/4	66.06	3/4	391.12	3/4	759.24	3/4	1,136.17	3/4	1,513.31	3/4	1,891.23	3/4	2,269.14	3/4	2,647.04	3/4	3,024.94	3/4	3,402.85
3	71.63	3	398.66	3	767.11	3	1,144.02	3	1,521.19	3	1,899.10	3	2,277.01	3	2,654.91	3	3,032.82	3	3,410.72
1/4	77.20	1/4	406.20	1/4	774.98	1/4	1,151.87	1/4	1,529.06	1/4	1,906.97	1/4	2,284.88	1/4	2,662.79	1/4	3,040.69	1/4	3,418.59
1/2	82.78	1/2	413.74	1/2	782.86	1/2	1,159.71	1/2	1,536.93	1/2	1,914.85	1/2	2,292.75	1/2	2,670.66	1/2	3,048.56	1/2	3,426.47
3/4	88.47	3/4	421.17	3/4	790.73	3/4	1,167.57	3/4	1,544.81	3/4	1,922.72	3/4	2,300.63	3/4	2,678.53	3/4	3,056.44	3/4	3,434.34
4	94.16	4	428.60	4	798.61	4	1,175.44	4	1,552.68	4	1,930.59	4	2,308.50	4	2,686.40	4	3,064.31	4	3,442.21
1/4	99.85	1/4	436.02	1/4	806.48	1/4	1,183.30	1/4	1,560.55	1/4	1,938.47	1/4	2,316.37	1/4	2,694.28	1/4	3,072.18	1/4	3,450.09
1/2	105.54	1/2	443.45	1/2	814.35	1/2	1,191.16	1/2	1,568.43	1/2	1,946.34	1/2	2,324.25	1/2	2,702.15	1/2	3,080.05	1/2	3,457.96
3/4	111.79	3/4	450.52	3/4	822.23	3/4	1,199.03	3/4	1,576.30	3/4	1,954.21	3/4	2,332.12	3/4	2,710.02	3/4	3,087.93	3/4	3,465.83
5	118.05	5	457.59	5	830.10	5	1,206.91	5	1,584.17	5	1,962.09	5	2,339.99	5	2,717.90	5	3,095.80	5	3,473.70
1/4	124.31	1/4	464.66	1/4	837.97	1/4	1,214.78	1/4	1,592.05	1/4	1,969.96	1/4	2,347.87	1/4	2,725.77	1/4	3,103.67	1/4	3,481.58
1/2	130.57	1/2	471.74	1/2	845.85	1/2	1,222.65	1/2	1,599.92	1/2	1,977.83	1/2	2,355.74	1/2	2,733.64	1/2	3,111.55	1/2	3,489.45
3/4	137.16	3/4	478.89	3/4	853.71	3/4	1,230.53	3/4	1,607.79	3/4	1,985.71	3/4	2,363.61	3/4	2,741.52	3/4	3,119.42	3/4	3,497.32
6	143.76	6	486.04	6	861.57	6	1,238.40	6	1,615.67	6	1,993.58	6	2,371.48	6	2,749.39	6	3,127.29	6	3,505.20
1/4	150.35	1/4	493.19	1/4	869.43	1/4	1,246.27	1/4	1,623.54	1/4	2,001.45	1/4	2,379.36	1/4	2,757.26	1/4	3,135.17	1/4	3,513.07
1/2	156.94	1/2	500.34	1/2	877.29	1/2	1,254.15	1/2	1,631.41	1/2	2,009.33	1/2	2,387.23	1/2	2,765.13	1/2	3,143.04	1/2	3,520.94
3/4	163.65	3/4	507.98	3/4	885.14	3/4	1,262.02	3/4	1,639.29	3/4	2,017.20	3/4	2,395.10	3/4	2,773.01	3/4	3,150.91	3/4	3,528.82
7	170.36	7	515.62	7	892.98	7	1,269.90	7	1,647.16	7	2,025.07	7	2,402.98	7	2,780.88	7	3,158.78	7	3,536.69
1/4	177.07	1/4	523.26	1/4	900.83	1/4	1,277.77	1/4	1,655.03	1/4	2,032.95	1/4	2,410.85	1/4	2,788.75	1/4	3,166.66	1/4	3,544.56
1/2	183.77	1/2	530.90	1/2	908.68	1/2	1,285.64	1/2	1,662.91	1/2	2,040.82	1/2	2,418.72	1/2	2,796.63	1/2	3,174.53	1/2	3,552.43
3/4	190.60	3/4	538.78	3/4	916.52	3/4	1,293.50	3/4	1,670.78	3/4	2,048.69	3/4	2,426.60	3/4	2,804.50	3/4	3,182.40	3/4	3,560.31
8	197.43	8	546.65	8	924.37	8	1,301.36	8	1,678.65	8	2,056.56	8	2,434.47	8	2,812.37	8	3,190.28	8	3,568.18
1/4	204.25	1/4	554.52	1/4	932.21	1/4	1,309.22	1/4	1,686.52	1/4	2,064.44	1/4	2,442.34	1/4	2,820.25	1/4	3,198.15	1/4	3,576.05
1/2	211.08	1/2	562.40	1/2	940.06	1/2	1,317.08	1/2	1,694.40	1/2	2,072.31	1/2	2,450.21	1/2	2,828.12	1/2	3,206.02	1/2	3,583.93
3/4	218.02	3/4	570.27	3/4	947.90	3/4	1,324.93	3/4	1,702.27	3/4	2,080.18	3/4	2,458.09	3/4	2,835.99	3/4	3,213.90	3/4	3,591.80
9	224.96	9	578.15	9	955.74	9	1,332.78	9	1,710.14	9	2,088.06	9	2,465.96	9	2,843.86	9	3,221.77	9	3,599.67
1/4	231.89	1/4	586.02	1/4	963.59	1/4	1,340.62	1/4	1,718.02	1/4	2,095.93	1/4	2,473.83	1/4	2,851.74	1/4	3,229.64	1/4	3,607.55
1/2	238.83	1/2	593.89	1/2	971.43	1/2	1,348.47	1/2	1,725.89	1/2	2,103.80	1/2	2,481.71	1/2	2,859.61	1/2	3,237.51	1/2	3,615.42
3/4	245.87	3/4	601.77	3/4	979.28	3/4	1,356.32	3/4	1,733.76	3/4	2,111.68	3/4	2,489.58	3/4	2,867.48	3/4	3,245.39	3/4	3,623.29
10	252.91	10	609.64	10	987.12	10	1,364.16	10	1,741.64	10	2,119.55	10	2,497.45	10	2,875.36	10	3,253.26	10	3,631.16
1/4	259.96	1/4	617.51	1/4	994.97	1/4	1,372.01	1/4	1,749.51	1/4	2,127.42	1/4	2,505.33	1/4	2,883.23	1/4	3,261.13	1/4	3,639.04
1/2	267.00	1/2	625.39	1/2	1,002.81	1/2	1,379.85	1/2	1,757.38	1/2	2,135.29	1/2	2,513.20	1/2	2,891.10	1/2	3,269.01	1/2	3,646.91
3/4	274.14	3/4	633.26	3/4	1,010.66	3/4	1,387.70	3/4	1,765.26	3/4	2,143.17	3/4	2,521.07	3/4	2,898.98	3/4	3,276.88	3/4	3,654.78
11	281.29	11	641.14	11	1,018.50	11	1,395.55	11	1,773.13	11	2,151.04	11	2,528.94	11	2,906.85	11	3,284.75	11	3,662.66
1/4	288.43	1/4	649.01	1/4	1,026.35	1/4	1,403.39	1/4	1,781.00	1/4	2,158.91	1/4	2,536.82	1/4	2,914.72	1/4	3,292.63	1/4	3,670.53
1/2	295.58	1/2	656.88	1/2	1,034.19	1/2	1,411.24	1/2	1,788.88	1/2	2,166.79	1/2	2,544.69	1/2	2,922.59	1/2	3,300.50	1/2	3,678.40
3/4	302.82	3/4	664.76	3/4	1,042.04	3/4	1,419.08	3/4	1,796.75	3/4	2,174.66	3/4	2,552.56	3/4	2,930.47	3/4	3,308.37	3/4	3,686.28

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE THAT EXPANDS TO 4".

GAUGE POINT: (MANUAL) LOCATED 12'-09" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27780"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,694.15	0	4,070.45	0	4,429.02	0	4,761.92	0		0		0		0		0		0	
1/4	3,702.02	1/4	4,078.15	1/4	4,436.20	1/4	4,768.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,709.89	1/2	4,085.86	1/2	4,443.38	1/2	4,775.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,717.77	3/4	4,093.52	3/4	4,450.51	3/4	4,782.00	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,725.64	1	4,101.19	1	4,457.63	1	4,788.67	1		1		1		1		1		1	
1/4	3,733.51	1/4	4,108.85	1/4	4,464.76	1/4	4,795.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,741.39	1/2	4,116.51	1/2	4,471.88	1/2	4,802.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,749.26	3/4	4,124.14	3/4	4,478.97	3/4	4,808.94	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,757.13	2	4,131.77	2	4,486.05	2	4,815.87	2		2		2		2		2		2	
1/4	3,765.01	1/4	4,139.39	1/4	4,493.14	1/4	4,822.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,772.88	1/2	4,147.02	1/2	4,500.23	1/2	4,829.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,780.75	3/4	4,154.61	3/4	4,507.28	3/4	4,837.23	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,788.62	3	4,162.20	3	4,514.32	3	4,844.73	3		3		3		3		3		3	
1/4	3,796.50	1/4	4,169.78	1/4	4,521.37	1/4	4,852.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,804.37	1/2	4,177.37	1/2	4,528.42	1/2	4,859.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,812.24	3/4	4,184.92	3/4	4,535.43	3/4	4,867.51	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,820.12	4	4,192.47	4	4,542.44	4	4,875.30	4		4		4		4		4		4	
1/4	3,827.99	1/4	4,200.02	1/4	4,549.45	1/4	4,883.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,835.86	1/2	4,207.57	1/2	4,556.46	1/2	4,890.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,843.74	3/4	4,215.09	3/4	4,563.44	3/4	4,898.48	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,851.61	5	4,222.60	5	4,570.41	5	4,906.09	5		5		5		5		5		5	
1/4	3,859.48	1/4	4,230.11	1/4	4,577.38	1/4	4,913.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,867.35	1/2	4,237.62	1/2	4,584.35	1/2	4,921.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,875.23	3/4	4,245.10	3/4	4,591.29	3/4	4,928.07	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,883.10	6	4,252.57	6	4,598.22	6	4,934.86	6		6		6		6		6		6	
1/4	3,890.97	1/4	4,260.05	1/4	4,605.16	1/4	4,941.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,898.85	1/2	4,267.52	1/2	4,612.09	1/2	4,948.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,906.71	3/4	4,274.96	3/4	4,618.99	3/4	4,953.92	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,914.58	7	4,282.39	7	4,625.88	7	4,959.41	7		7		7		7		7		7	
1/4	3,922.45	1/4	4,289.83	1/4	4,632.78	1/4	4,964.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,930.31	1/2	4,297.27	1/2	4,639.68	1/2	4,970.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,938.16	3/4	4,304.67	3/4	4,646.54	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,946.01	8	4,312.07	8	4,653.40	8		8		8		8		8		8		8	
1/4	3,953.86	1/4	4,319.46	1/4	4,660.25	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,961.71	1/2	4,326.86	1/2	4,667.11	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,969.53	3/4	4,334.22	3/4	4,673.93	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,977.34	9	4,341.58	9	4,680.75	9		9		9		9		9		9		9	
1/4	3,985.16	1/4	4,348.94	1/4	4,687.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,992.97	1/2	4,356.31	1/2	4,694.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,000.75	3/4	4,363.63	3/4	4,701.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	4,008.53	10	4,370.95	10	4,707.96	10		10		10		10		10		10		10	
1/4	4,016.31	1/4	4,378.27	1/4	4,714.74	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,024.09	1/2	4,385.60	1/2	4,721.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,031.83	3/4	4,392.86	3/4	4,728.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,039.57	11	4,400.12	11	4,735.02	11		11		11		11		11		11		11	
1/4	4,047.31	1/4	4,407.39	1/4	4,741.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,055.05	1/2	4,414.65	1/2	4,748.51	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,062.75	3/4	4,421.83	3/4	4,755.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/08/2011 CL - SW
CALCULATED: 06/09/2011 CL
PRINTED: 06/09/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 27780"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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.
0	23.06	0	366.46	0	718.22	0	1,067.05	0	1,417.80	0	1,775.00	0	2,134.14	0	2,493.28	0	2,852.42	0	3,211.55
1/4	28.04	1/4	373.94	1/4	725.70	1/4	1,074.21	1/4	1,425.12	1/4	1,782.49	1/4	2,141.63	1/4	2,500.76	1/4	2,859.90	1/4	3,219.03
1/2	33.03	1/2	381.41	1/2	733.18	1/2	1,081.36	1/2	1,432.44	1/2	1,789.97	1/2	2,149.11	1/2	2,508.24	1/2	2,867.38	1/2	3,226.52
3/4	39.84	3/4	388.87	3/4	740.66	3/4	1,088.51	3/4	1,439.76	3/4	1,797.45	3/4	2,156.59	3/4	2,515.73	3/4	2,874.86	3/4	3,234.00
1	46.65	1	396.33	1	748.15	1	1,095.66	1	1,447.08	1	1,804.93	1	2,164.07	1	2,523.21	1	2,882.34	1	3,241.48
1/4	53.45	1/4	403.79	1/4	755.63	1/4	1,102.82	1/4	1,454.40	1/4	1,812.41	1/4	2,171.55	1/4	2,530.69	1/4	2,889.83	1/4	3,248.96
1/2	60.26	1/2	411.25	1/2	763.11	1/2	1,109.97	1/2	1,461.72	1/2	1,819.90	1/2	2,179.04	1/2	2,538.17	1/2	2,897.31	1/2	3,256.44
3/4	67.45	3/4	418.71	3/4	770.59	3/4	1,117.12	3/4	1,469.04	3/4	1,827.38	3/4	2,186.52	3/4	2,545.65	3/4	2,904.79	3/4	3,263.93
2	74.64	2	426.16	2	778.08	2	1,124.27	2	1,476.36	2	1,834.86	2	2,194.00	2	2,553.14	2	2,912.27	2	3,271.41
1/4	81.82	1/4	433.61	1/4	785.56	1/4	1,131.42	1/4	1,483.68	1/4	1,842.34	1/4	2,201.48	1/4	2,560.62	1/4	2,919.75	1/4	3,278.89
1/2	89.01	1/2	441.06	1/2	793.04	1/2	1,138.58	1/2	1,491.00	1/2	1,849.82	1/2	2,208.96	1/2	2,568.10	1/2	2,927.24	1/2	3,286.37
3/4	95.79	3/4	448.52	3/4	800.52	3/4	1,145.73	3/4	1,498.40	3/4	1,857.31	3/4	2,216.45	3/4	2,575.58	3/4	2,934.72	3/4	3,293.85
3	102.56	3	455.98	3	808.01	3	1,152.88	3	1,505.81	3	1,864.79	3	2,223.93	3	2,583.06	3	2,942.20	3	3,301.34
1/4	109.34	1/4	463.44	1/4	815.49	1/4	1,160.04	1/4	1,513.21	1/4	1,872.27	1/4	2,231.41	1/4	2,590.55	1/4	2,949.68	1/4	3,308.82
1/2	116.12	1/2	470.90	1/2	822.97	1/2	1,167.19	1/2	1,520.61	1/2	1,879.75	1/2	2,238.89	1/2	2,598.03	1/2	2,957.16	1/2	3,316.30
3/4	122.91	3/4	478.16	3/4	830.30	3/4	1,174.36	3/4	1,528.09	3/4	1,887.24	3/4	2,246.37	3/4	2,605.51	3/4	2,964.65	3/4	3,323.78
4	129.70	4	485.41	4	837.64	4	1,181.53	4	1,535.57	4	1,894.72	4	2,253.86	4	2,612.99	4	2,972.13	4	3,331.26
1/4	136.49	1/4	492.67	1/4	844.97	1/4	1,188.70	1/4	1,543.05	1/4	1,902.20	1/4	2,261.34	1/4	2,620.47	1/4	2,979.61	1/4	3,338.75
1/2	143.28	1/2	499.92	1/2	852.30	1/2	1,195.87	1/2	1,550.54	1/2	1,909.68	1/2	2,268.82	1/2	2,627.96	1/2	2,987.09	1/2	3,346.23
3/4	150.51	3/4	506.74	3/4	859.48	3/4	1,203.20	3/4	1,558.02	3/4	1,917.16	3/4	2,276.30	3/4	2,635.44	3/4	2,994.57	3/4	3,353.71
5	157.74	5	513.56	5	866.66	5	1,210.53	5	1,565.50	5	1,924.65	5	2,283.78	5	2,642.92	5	3,002.06	5	3,361.19
1/4	164.97	1/4	520.38	1/4	873.84	1/4	1,217.86	1/4	1,572.98	1/4	1,932.13	1/4	2,291.27	1/4	2,650.40	1/4	3,009.54	1/4	3,368.67
1/2	172.20	1/2	527.20	1/2	881.02	1/2	1,225.20	1/2	1,580.47	1/2	1,939.61	1/2	2,298.75	1/2	2,657.88	1/2	3,017.02	1/2	3,376.16
3/4	179.65	3/4	534.02	3/4	888.19	3/4	1,232.68	3/4	1,587.95	3/4	1,947.09	3/4	2,306.23	3/4	2,665.37	3/4	3,024.50	3/4	3,383.64
6	187.10	6	540.84	6	895.36	6	1,240.16	6	1,595.43	6	1,954.58	6	2,313.71	6	2,672.85	6	3,031.98	6	3,391.12
1/4	194.55	1/4	547.66	1/4	902.53	1/4	1,247.65	1/4	1,602.91	1/4	1,962.06	1/4	2,321.19	1/4	2,680.33	1/4	3,039.47	1/4	3,398.60
1/2	202.00	1/2	554.48	1/2	909.70	1/2	1,255.13	1/2	1,610.39	1/2	1,969.54	1/2	2,328.68	1/2	2,687.81	1/2	3,046.95	1/2	3,406.08
3/4	209.46	3/4	561.74	3/4	916.85	3/4	1,262.61	3/4	1,617.88	3/4	1,977.02	3/4	2,336.16	3/4	2,695.29	3/4	3,054.43	3/4	3,413.57
7	216.92	7	569.00	7	924.01	7	1,270.09	7	1,625.36	7	1,984.50	7	2,343.64	7	2,702.78	7	3,061.91	7	3,421.05
1/4	224.38	1/4	576.26	1/4	931.16	1/4	1,277.58	1/4	1,632.84	1/4	1,991.99	1/4	2,351.12	1/4	2,710.26	1/4	3,069.39	1/4	3,428.53
1/2	231.84	1/2	583.53	1/2	938.31	1/2	1,285.06	1/2	1,640.32	1/2	1,999.47	1/2	2,358.60	1/2	2,717.74	1/2	3,076.88	1/2	3,436.01
3/4	239.31	3/4	591.01	3/4	945.47	3/4	1,292.54	3/4	1,647.81	3/4	2,006.95	3/4	2,366.09	3/4	2,725.22	3/4	3,084.36	3/4	3,443.49
8	246.78	8	598.49	8	952.62	8	1,300.02	8	1,655.29	8	2,014.43	8	2,373.57	8	2,732.70	8	3,091.84	8	3,450.98
1/4	254.26	1/4	605.98	1/4	959.77	1/4	1,307.51	1/4	1,662.77	1/4	2,021.91	1/4	2,381.05	1/4	2,740.19	1/4	3,099.32	1/4	3,458.46
1/2	261.73	1/2	613.46	1/2	966.92	1/2	1,314.99	1/2	1,670.25	1/2	2,029.40	1/2	2,388.53	1/2	2,747.67	1/2	3,106.80	1/2	3,465.94
3/4	269.21	3/4	620.94	3/4	974.08	3/4	1,322.39	3/4	1,677.73	3/4	2,036.88	3/4	2,396.01	3/4	2,755.15	3/4	3,114.29	3/4	3,473.42
9	276.70	9	628.42	9	981.23	9	1,329.79	9	1,685.22	9	2,044.36	9	2,403.50	9	2,762.63	9	3,121.77	9	3,480.90
1/4	284.18	1/4	635.91	1/4	988.38	1/4	1,337.20	1/4	1,692.70	1/4	2,051.84	1/4	2,410.98	1/4	2,770.11	1/4	3,129.25	1/4	3,488.39
1/2	291.66	1/2	643.39	1/2	995.53	1/2	1,344.60	1/2	1,700.18	1/2	2,059.32	1/2	2,418.46	1/2	2,777.60	1/2	3,136.73	1/2	3,495.87
3/4	299.14	3/4	650.87	3/4	1,002.68	3/4	1,351.92	3/4	1,707.66	3/4	2,066.81	3/4	2,425.94	3/4	2,785.08	3/4	3,144.21	3/4	3,503.35
10	306.62	10	658.36	10	1,009.84	10	1,359.24	10	1,715.15	10	2,074.29	10	2,433.42	10	2,792.56	10	3,151.70	10	3,510.83
1/4	314.10	1/4	665.84	1/4	1,016.99	1/4	1,366.56	1/4	1,722.63	1/4	2,081.77	1/4	2,440.91	1/4	2,800.04	1/4	3,159.18	1/4	3,518.31
1/2	321.59	1/2	673.32	1/2	1,024.14	1/2	1,373.88	1/2	1,730.11	1/2	2,089.25	1/2	2,448.39	1/2	2,807.52	1/2	3,166.66	1/2	3,525.80
3/4	329.07	3/4	680.80	3/4	1,031.29	3/4	1,381.20	3/4	1,737.59	3/4	2,096.73	3/4	2,455.87	3/4	2,815.01	3/4	3,174.14	3/4	3,533.28
11	336.55	11	688.29	11	1,038.45	11	1,388.52	11	1,745.07	11	2,104.22	11	2,463.35	11	2,822.49	11	3,181.62	11	3,540.76
1/4	344.03	1/4	695.77	1/4	1,045.60	1/4	1,395.84	1/4	1,752.56	1/4	2,111.70	1/4	2,470.83	1/4	2,829.97	1/4	3,189.11	1/4	3,548.24
1/2	351.51	1/2	703.25	1/2	1,052.75	1/2	1,403.16	1/2	1,760.04	1/2	2,119.18	1/2	2,478.32	1/2	2,837.45	1/2	3,196.59	1/2	3,555.72
3/4	358.99	3/4	710.73	3/4	1,059.90	3/4	1,410.48	3/4	1,767.52	3/4	2,126.66	3/4	2,485.80	3/4	2,844.93	3/4	3,204.07	3/4	3,563.21

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE THAT EXPANDS TO 4".
 GAUGE POINT: (MANUAL) LOCATED 12'-09" OFF CENTERLINE AND 45'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27780"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,570.69	0	3,928.30	0	4,269.05	0	4,585.22	0		0		0		0		0		0	
1/4	3,578.17	1/4	3,935.62	1/4	4,275.87	1/4	4,591.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,585.65	1/2	3,942.94	1/2	4,282.70	1/2	4,597.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,593.13	3/4	3,950.23	3/4	4,289.46	3/4	4,604.29	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,600.62	1	3,957.51	1	4,296.23	1	4,610.63	1		1		1		1		1		1	
1/4	3,608.10	1/4	3,964.79	1/4	4,303.00	1/4	4,616.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,615.58	1/2	3,972.08	1/2	4,309.76	1/2	4,623.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,623.06	3/4	3,979.32	3/4	4,316.49	3/4	4,629.88	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,630.54	2	3,986.57	2	4,323.22	2	4,636.46	2		2		2		2		2		2	
1/4	3,638.03	1/4	3,993.82	1/4	4,329.95	1/4	4,643.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,645.51	1/2	4,001.07	1/2	4,336.68	1/2	4,649.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,652.99	3/4	4,008.28	3/4	4,343.38	3/4	4,656.74	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,660.47	3	4,015.49	3	4,350.07	3	4,663.87	3		3		3		3		3		3	
1/4	3,667.95	1/4	4,022.70	1/4	4,356.77	1/4	4,670.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,675.44	1/2	4,029.91	1/2	4,363.46	1/2	4,678.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,682.92	3/4	4,037.09	3/4	4,370.12	3/4	4,685.51	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,690.40	4	4,044.26	4	4,376.78	4	4,692.90	4		4		4		4		4		4	
1/4	3,697.88	1/4	4,051.44	1/4	4,383.44	1/4	4,700.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,705.36	1/2	4,058.61	1/2	4,390.09	1/2	4,707.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,712.85	3/4	4,065.75	3/4	4,396.72	3/4	4,714.92	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,720.33	5	4,072.89	5	4,403.34	5	4,722.14	5		5		5		5		5		5	
1/4	3,727.81	1/4	4,080.03	1/4	4,409.96	1/4	4,729.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,735.29	1/2	4,087.17	1/2	4,416.58	1/2	4,736.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,742.77	3/4	4,094.28	3/4	4,423.17	3/4	4,743.03	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,750.26	6	4,101.38	6	4,429.75	6	4,749.47	6		6		6		6		6		6	
1/4	3,757.74	1/4	4,108.48	1/4	4,436.34	1/4	4,755.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,765.22	1/2	4,115.59	1/2	4,442.93	1/2	4,762.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,772.70	3/4	4,122.65	3/4	4,449.48	3/4	4,767.57	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,780.17	7	4,129.72	7	4,456.03	7	4,772.78	7		7		7		7		7		7	
1/4	3,787.65	1/4	4,136.79	1/4	4,462.58	1/4	4,778.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,795.12	1/2	4,143.85	1/2	4,469.13	1/2	4,783.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,802.58	3/4	4,150.89	3/4	4,475.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,810.04	8	4,157.92	8	4,482.15	8		8		8		8		8		8		8	
1/4	3,817.50	1/4	4,164.95	1/4	4,488.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,824.96	1/2	4,171.98	1/2	4,495.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,832.39	3/4	4,178.97	3/4	4,501.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,839.82	9	4,185.97	9	4,508.14	9		9		9		9		9		9		9	
1/4	3,847.25	1/4	4,192.97	1/4	4,514.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,854.67	1/2	4,199.96	1/2	4,521.09	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,862.07	3/4	4,206.92	3/4	4,527.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,869.46	10	4,213.88	10	4,533.98	10		10		10		10		10		10		10	
1/4	3,876.85	1/4	4,220.84	1/4	4,540.42	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,884.24	1/2	4,227.80	1/2	4,546.86	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,891.60	3/4	4,234.70	3/4	4,553.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,898.95	11	4,241.60	11	4,559.67	11		11		11		11		11		11		11	
1/4	3,906.31	1/4	4,248.50	1/4	4,566.08	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,913.66	1/2	4,255.40	1/2	4,572.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,920.98	3/4	4,262.23	3/4	4,578.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/08/2011 CL - SW
CALCULATED: 06/09/2011 CL
PRINTED: 06/09/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 27780"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

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.
0	23.04	0	366.19	0	717.68	0	1,075.91	0	1,432.42	0	1,789.36	0	2,148.24	0	2,507.11	0	2,865.98	0	3,224.85
1/4	28.02	1/4	373.66	1/4	725.16	1/4	1,083.35	1/4	1,439.74	1/4	1,796.83	1/4	2,155.72	1/4	2,514.59	1/4	2,873.46	1/4	3,232.33
1/2	33.01	1/2	381.13	1/2	732.64	1/2	1,090.80	1/2	1,447.05	1/2	1,804.31	1/2	2,163.19	1/2	2,522.06	1/2	2,880.94	1/2	3,239.81
3/4	39.81	3/4	388.58	3/4	740.12	3/4	1,098.25	3/4	1,454.36	3/4	1,811.79	3/4	2,170.67	3/4	2,529.54	3/4	2,888.41	3/4	3,247.28
1	46.61	1	396.04	1	747.59	1	1,105.70	1	1,461.68	1	1,819.26	1	2,178.14	1	2,537.02	1	2,895.89	1	3,254.76
1/4	53.42	1/4	403.49	1/4	755.07	1/4	1,113.15	1/4	1,468.99	1/4	1,826.74	1/4	2,185.62	1/4	2,544.49	1/4	2,903.37	1/4	3,262.24
1/2	60.22	1/2	410.95	1/2	762.55	1/2	1,120.60	1/2	1,476.31	1/2	1,834.22	1/2	2,193.10	1/2	2,551.97	1/2	2,910.84	1/2	3,269.71
3/4	67.40	3/4	418.40	3/4	770.02	3/4	1,128.04	3/4	1,483.62	3/4	1,841.69	3/4	2,200.57	3/4	2,559.45	3/4	2,918.32	3/4	3,277.19
2	74.58	2	425.84	2	777.50	2	1,135.49	2	1,490.94	2	1,849.17	2	2,208.05	2	2,566.92	2	2,925.79	2	3,284.67
1/4	81.76	1/4	433.29	1/4	784.98	1/4	1,142.94	1/4	1,498.25	1/4	1,856.65	1/4	2,215.53	1/4	2,574.40	1/4	2,933.27	1/4	3,292.14
1/2	88.94	1/2	440.74	1/2	792.46	1/2	1,150.39	1/2	1,505.57	1/2	1,864.12	1/2	2,223.00	1/2	2,581.88	1/2	2,940.75	1/2	3,299.62
3/4	95.72	3/4	448.19	3/4	799.93	3/4	1,157.84	3/4	1,512.96	3/4	1,871.60	3/4	2,230.48	3/4	2,589.35	3/4	2,948.22	3/4	3,307.10
3	102.49	3	455.65	3	807.41	3	1,165.29	3	1,520.36	3	1,879.08	3	2,237.96	3	2,596.83	3	2,955.70	3	3,314.57
1/4	109.26	1/4	463.10	1/4	814.89	1/4	1,172.74	1/4	1,527.75	1/4	1,886.55	1/4	2,245.43	1/4	2,604.31	1/4	2,963.18	1/4	3,322.05
1/2	116.03	1/2	470.56	1/2	822.36	1/2	1,180.19	1/2	1,535.15	1/2	1,894.03	1/2	2,252.91	1/2	2,611.78	1/2	2,970.65	1/2	3,329.53
3/4	122.82	3/4	477.81	3/4	829.84	3/4	1,187.65	3/4	1,542.63	3/4	1,901.51	3/4	2,260.39	3/4	2,619.26	3/4	2,978.13	3/4	3,337.00
4	129.60	4	485.05	4	837.32	4	1,195.12	4	1,550.10	4	1,908.98	4	2,267.86	4	2,626.73	4	2,985.61	4	3,344.48
1/4	136.39	1/4	492.30	1/4	844.79	1/4	1,202.58	1/4	1,557.58	1/4	1,916.46	1/4	2,275.34	1/4	2,634.21	1/4	2,993.08	1/4	3,351.96
1/2	143.17	1/2	499.55	1/2	852.27	1/2	1,210.05	1/2	1,565.06	1/2	1,923.94	1/2	2,282.82	1/2	2,641.69	1/2	3,000.56	1/2	3,359.43
3/4	150.39	3/4	506.37	3/4	859.75	3/4	1,217.52	3/4	1,572.53	3/4	1,931.41	3/4	2,290.29	3/4	2,649.16	3/4	3,008.04	3/4	3,366.91
5	157.62	5	513.18	5	867.23	5	1,225.00	5	1,580.01	5	1,938.89	5	2,297.77	5	2,656.64	5	3,015.51	5	3,374.38
1/4	164.84	1/4	520.00	1/4	874.70	1/4	1,232.48	1/4	1,587.49	1/4	1,946.37	1/4	2,305.25	1/4	2,664.12	1/4	3,022.99	1/4	3,381.86
1/2	172.07	1/2	526.81	1/2	882.18	1/2	1,239.96	1/2	1,594.96	1/2	1,953.85	1/2	2,312.72	1/2	2,671.59	1/2	3,030.47	1/2	3,389.34
3/4	179.51	3/4	533.62	3/4	889.64	3/4	1,247.43	3/4	1,602.44	3/4	1,961.32	3/4	2,320.20	3/4	2,679.07	3/4	3,037.94	3/4	3,396.81
6	186.96	6	540.44	6	897.11	6	1,254.91	6	1,609.92	6	1,968.80	6	2,327.67	6	2,686.55	6	3,045.42	6	3,404.29
1/4	194.40	1/4	547.25	1/4	904.57	1/4	1,262.39	1/4	1,617.39	1/4	1,976.28	1/4	2,335.15	1/4	2,694.02	1/4	3,052.90	1/4	3,411.77
1/2	201.84	1/2	554.07	1/2	912.04	1/2	1,269.87	1/2	1,624.87	1/2	1,983.75	1/2	2,342.63	1/2	2,701.50	1/2	3,060.37	1/2	3,419.24
3/4	209.30	3/4	561.32	3/4	919.49	3/4	1,277.34	3/4	1,632.35	3/4	1,991.23	3/4	2,350.10	3/4	2,708.98	3/4	3,067.85	3/4	3,426.72
7	216.75	7	568.58	7	926.94	7	1,284.82	7	1,639.82	7	1,998.71	7	2,357.58	7	2,716.45	7	3,075.32	7	3,434.20
1/4	224.21	1/4	575.84	1/4	934.39	1/4	1,292.30	1/4	1,647.30	1/4	2,006.18	1/4	2,365.06	1/4	2,723.93	1/4	3,082.80	1/4	3,441.67
1/2	231.66	1/2	583.09	1/2	941.84	1/2	1,299.78	1/2	1,654.78	1/2	2,013.66	1/2	2,372.53	1/2	2,731.41	1/2	3,090.28	1/2	3,449.15
3/4	239.13	3/4	590.57	3/4	949.29	3/4	1,307.25	3/4	1,662.25	3/4	2,021.14	3/4	2,380.01	3/4	2,738.88	3/4	3,097.75	3/4	3,456.63
8	246.60	8	598.05	8	956.73	8	1,314.73	8	1,669.73	8	2,028.61	8	2,387.49	8	2,746.36	8	3,105.23	8	3,464.10
1/4	254.07	1/4	605.52	1/4	964.18	1/4	1,322.21	1/4	1,677.21	1/4	2,036.09	1/4	2,394.96	1/4	2,753.84	1/4	3,112.71	1/4	3,471.58
1/2	261.54	1/2	613.00	1/2	971.63	1/2	1,329.69	1/2	1,684.68	1/2	2,043.57	1/2	2,402.44	1/2	2,761.31	1/2	3,120.18	1/2	3,479.06
3/4	269.01	3/4	620.48	3/4	979.08	3/4	1,337.08	3/4	1,692.16	3/4	2,051.04	3/4	2,409.92	3/4	2,768.79	3/4	3,127.66	3/4	3,486.53
9	276.49	9	627.96	9	986.53	9	1,344.48	9	1,699.64	9	2,058.52	9	2,417.39	9	2,776.26	9	3,135.14	9	3,494.01
1/4	283.97	1/4	635.43	1/4	993.98	1/4	1,351.87	1/4	1,707.11	1/4	2,066.00	1/4	2,424.87	1/4	2,783.74	1/4	3,142.61	1/4	3,501.49
1/2	291.44	1/2	642.91	1/2	1,001.42	1/2	1,359.27	1/2	1,714.59	1/2	2,073.47	1/2	2,432.35	1/2	2,791.22	1/2	3,150.09	1/2	3,508.96
3/4	298.92	3/4	650.39	3/4	1,008.87	3/4	1,366.59	3/4	1,722.07	3/4	2,080.95	3/4	2,439.82	3/4	2,798.69	3/4	3,157.57	3/4	3,516.44
10	306.40	10	657.87	10	1,016.32	10	1,373.90	10	1,729.54	10	2,088.43	10	2,447.30	10	2,806.17	10	3,165.04	10	3,523.91
1/4	313.87	1/4	665.34	1/4	1,023.77	1/4	1,381.22	1/4	1,737.02	1/4	2,095.90	1/4	2,454.78	1/4	2,813.65	1/4	3,172.52	1/4	3,531.39
1/2	321.35	1/2	672.82	1/2	1,031.22	1/2	1,388.53	1/2	1,744.50	1/2	2,103.38	1/2	2,462.25	1/2	2,821.12	1/2	3,180.00	1/2	3,538.87
3/4	328.82	3/4	680.30	3/4	1,038.66	3/4	1,395.85	3/4	1,751.97	3/4	2,110.86	3/4	2,469.73	3/4	2,828.60	3/4	3,187.47	3/4	3,546.34
11	336.30	11	687.78	11	1,046.11	11	1,403.16	11	1,759.45	11	2,118.33	11	2,477.20	11	2,836.08	11	3,194.95	11	3,553.82
1/4	343.78	1/4	695.25	1/4	1,053.56	1/4	1,410.48	1/4	1,766.93	1/4	2,125.81	1/4	2,484.68	1/4	2,843.55	1/4	3,202.43	1/4	3,561.30
1/2	351.25	1/2	702.73	1/2	1,061.01	1/2	1,417.79	1/2	1,774.40	1/2	2,133.29	1/2	2,492.16	1/2	2,851.03	1/2	3,209.90	1/2	3,568.77
3/4	358.72	3/4	710.21	3/4	1,068.46	3/4	1,425.11	3/4	1,781.88	3/4	2,140.76	3/4	2,499.63	3/4	2,858.51	3/4	3,217.38	3/4	3,576.25

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE THAT EXPANDS TO 4".
 GAUGE POINT: (MANUAL) LOCATED 12'-09" OFF CENTERLINE AND 45'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 27780"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,583.73	0	3,941.09	0	4,281.58	0	4,597.48	0		0		0		0		0		0	
1/4	3,591.20	1/4	3,948.40	1/4	4,288.39	1/4	4,603.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,598.68	1/2	3,955.72	1/2	4,295.21	1/2	4,610.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,606.16	3/4	3,963.00	3/4	4,301.97	3/4	4,616.54	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,613.63	1	3,970.27	1	4,308.73	1	4,622.87	1		1		1		1		1		1	
1/4	3,621.11	1/4	3,977.55	1/4	4,315.49	1/4	4,629.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,628.59	1/2	3,984.83	1/2	4,322.26	1/2	4,635.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,636.06	3/4	3,992.07	3/4	4,328.98	3/4	4,642.10	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,643.54	2	3,999.32	2	4,335.71	2	4,648.68	2		2		2		2		2		2	
1/4	3,651.02	1/4	4,006.56	1/4	4,342.43	1/4	4,655.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,658.49	1/2	4,013.80	1/2	4,349.15	1/2	4,661.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,665.97	3/4	4,021.01	3/4	4,355.84	3/4	4,668.95	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,673.44	3	4,028.21	3	4,362.53	3	4,676.06	3		3		3		3		3		3	
1/4	3,680.92	1/4	4,035.42	1/4	4,369.22	1/4	4,683.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,688.40	1/2	4,042.62	1/2	4,375.91	1/2	4,690.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.87	3/4	4,049.79	3/4	4,382.56	3/4	4,697.69	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,703.35	4	4,056.96	4	4,389.22	4	4,705.08	4		4		4		4		4		4	
1/4	3,710.83	1/4	4,064.13	1/4	4,395.87	1/4	4,712.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,718.30	1/2	4,071.30	1/2	4,402.52	1/2	4,719.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,725.78	3/4	4,078.44	3/4	4,409.14	3/4	4,727.08	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,733.26	5	4,085.57	5	4,415.75	5	4,734.30	5		5		5		5		5		5	
1/4	3,740.73	1/4	4,092.71	1/4	4,422.37	1/4	4,741.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,748.21	1/2	4,099.84	1/2	4,428.99	1/2	4,748.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,755.69	3/4	4,106.94	3/4	4,435.57	3/4	4,755.17	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,763.16	6	4,114.04	6	4,442.15	6	4,761.61	6		6		6		6		6		6	
1/4	3,770.64	1/4	4,121.13	1/4	4,448.73	1/4	4,768.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,778.12	1/2	4,128.23	1/2	4,455.31	1/2	4,774.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,785.59	3/4	4,135.29	3/4	4,461.85	3/4	4,779.70	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,793.06	7	4,142.35	7	4,468.40	7	4,784.91	7		7		7		7		7		7	
1/4	3,800.54	1/4	4,149.42	1/4	4,474.94	1/4	4,790.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,808.01	1/2	4,156.48	1/2	4,481.49	1/2	4,795.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,815.46	3/4	4,163.50	3/4	4,488.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,822.92	8	4,170.53	8	4,494.50	8		8		8		8		8		8		8	
1/4	3,830.37	1/4	4,177.56	1/4	4,501.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,837.83	1/2	4,184.58	1/2	4,507.52	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,845.25	3/4	4,191.57	3/4	4,513.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,852.67	9	4,198.56	9	4,520.47	9		9		9		9		9		9		9	
1/4	3,860.09	1/4	4,205.55	1/4	4,526.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,867.52	1/2	4,212.54	1/2	4,533.41	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,874.90	3/4	4,219.49	3/4	4,539.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,882.29	10	4,226.45	10	4,546.28	10		10		10		10		10		10		10	
1/4	3,889.67	1/4	4,233.40	1/4	4,552.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,897.06	1/2	4,240.35	1/2	4,559.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,904.41	3/4	4,247.25	3/4	4,565.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,911.76	11	4,254.15	11	4,571.96	11		11		11		11		11		11		11	
1/4	3,919.11	1/4	4,261.04	1/4	4,578.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,926.46	1/2	4,267.94	1/2	4,584.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,933.78	3/4	4,274.76	3/4	4,591.12	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/08/2011 CL - SW
CALCULATED: 06/09/2011 CL
PRINTED: 06/09/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 27780"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

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.
0	46.33	0	319.29	0	665.92	0	1,011.79	0	1,361.96	0	1,717.06	0	2,073.70	0	2,430.32	0	2,786.95	0	3,143.62
1/4	46.84	1/4	326.69	1/4	673.15	1/4	1,018.99	1/4	1,369.23	1/4	1,724.49	1/4	2,081.13	1/4	2,437.75	1/4	2,794.38	1/4	3,151.07
1/2	47.35	1/2	334.10	1/2	680.37	1/2	1,026.18	1/2	1,376.50	1/2	1,731.92	1/2	2,088.56	1/2	2,445.18	1/2	2,801.81	1/2	3,158.52
3/4	48.70	3/4	341.50	3/4	687.59	3/4	1,033.37	3/4	1,383.74	3/4	1,739.35	3/4	2,095.99	3/4	2,452.61	3/4	2,809.24	3/4	3,165.98
1	50.05	1	348.91	1	694.82	1	1,040.56	1	1,390.99	1	1,746.78	1	2,103.42	1	2,460.04	1	2,816.67	1	3,173.43
1/4	51.40	1/4	356.31	1/4	702.04	1/4	1,047.76	1/4	1,398.23	1/4	1,754.21	1/4	2,110.85	1/4	2,467.47	1/4	2,824.10	1/4	3,180.88
1/2	52.76	1/2	363.72	1/2	709.27	1/2	1,054.95	1/2	1,405.48	1/2	1,761.64	1/2	2,118.28	1/2	2,474.90	1/2	2,831.53	1/2	3,188.33
3/4	54.93	3/4	371.14	3/4	716.49	3/4	1,062.15	3/4	1,412.88	3/4	1,769.07	3/4	2,125.71	3/4	2,482.33	3/4	2,838.96	3/4	3,195.78
2	57.11	2	378.56	2	723.71	2	1,069.34	2	1,420.29	2	1,776.50	2	2,133.13	2	2,489.76	2	2,846.39	2	3,203.24
1/4	59.29	1/4	385.98	1/4	730.94	1/4	1,076.54	1/4	1,427.70	1/4	1,783.93	1/4	2,140.56	1/4	2,497.19	1/4	2,853.82	1/4	3,210.69
1/2	61.47	1/2	393.40	1/2	738.16	1/2	1,083.74	1/2	1,435.10	1/2	1,791.36	1/2	2,147.99	1/2	2,504.62	1/2	2,861.25	1/2	3,218.14
3/4	65.33	3/4	400.39	3/4	745.39	3/4	1,090.94	3/4	1,442.51	3/4	1,798.79	3/4	2,155.42	3/4	2,512.05	3/4	2,868.68	3/4	3,225.59
3	69.19	3	407.39	3	752.61	3	1,098.15	3	1,449.92	3	1,806.22	3	2,162.85	3	2,519.48	3	2,876.10	3	3,233.05
1/4	73.05	1/4	414.38	1/4	759.83	1/4	1,105.35	1/4	1,457.32	1/4	1,813.65	1/4	2,170.28	1/4	2,526.91	1/4	2,883.53	1/4	3,240.50
1/2	76.91	1/2	421.37	1/2	767.06	1/2	1,112.55	1/2	1,464.73	1/2	1,821.08	1/2	2,177.71	1/2	2,534.34	1/2	2,890.96	1/2	3,247.95
3/4	82.44	3/4	427.93	3/4	774.28	3/4	1,119.97	3/4	1,472.13	3/4	1,828.51	3/4	2,185.14	3/4	2,541.77	3/4	2,898.39	3/4	3,255.40
4	87.98	4	434.48	4	781.51	4	1,127.38	4	1,479.54	4	1,835.94	4	2,192.57	4	2,549.20	4	2,905.82	4	3,262.85
1/4	93.52	1/4	441.04	1/4	788.73	1/4	1,134.80	1/4	1,486.95	1/4	1,843.37	1/4	2,200.00	1/4	2,556.63	1/4	2,913.25	1/4	3,270.31
1/2	99.06	1/2	447.59	1/2	795.95	1/2	1,142.21	1/2	1,494.35	1/2	1,850.80	1/2	2,207.43	1/2	2,564.06	1/2	2,920.68	1/2	3,277.76
3/4	105.84	3/4	454.58	3/4	803.15	3/4	1,149.63	3/4	1,501.76	3/4	1,858.23	3/4	2,214.86	3/4	2,571.49	3/4	2,928.11	3/4	3,285.21
5	112.62	5	461.58	5	810.35	5	1,157.04	5	1,509.17	5	1,865.66	5	2,222.29	5	2,578.92	5	2,935.54	5	3,292.66
1/4	119.41	1/4	468.57	1/4	817.55	1/4	1,164.46	1/4	1,516.57	1/4	1,873.09	1/4	2,229.72	1/4	2,586.35	1/4	2,942.97	1/4	3,300.12
1/2	126.19	1/2	475.57	1/2	824.75	1/2	1,171.87	1/2	1,523.98	1/2	1,880.52	1/2	2,237.15	1/2	2,593.78	1/2	2,950.40	1/2	3,307.57
3/4	133.61	3/4	483.00	3/4	831.95	3/4	1,179.29	3/4	1,531.39	3/4	1,887.95	3/4	2,244.58	3/4	2,601.21	3/4	2,957.83	3/4	3,315.07
6	141.03	6	490.44	6	839.14	6	1,186.70	6	1,538.79	6	1,895.38	6	2,252.01	6	2,608.64	6	2,965.26	6	3,322.56
1/4	148.45	1/4	497.87	1/4	846.34	1/4	1,194.11	1/4	1,546.20	1/4	1,902.81	1/4	2,259.44	1/4	2,616.07	1/4	2,972.69	1/4	3,330.06
1/2	155.87	1/2	505.31	1/2	853.53	1/2	1,201.53	1/2	1,553.60	1/2	1,910.24	1/2	2,266.87	1/2	2,623.49	1/2	2,980.12	1/2	3,337.56
3/4	163.30	3/4	512.74	3/4	860.73	3/4	1,208.94	3/4	1,561.03	3/4	1,917.67	3/4	2,274.30	3/4	2,630.92	3/4	2,987.55	3/4	3,345.06
7	170.73	7	520.18	7	867.92	7	1,216.36	7	1,568.46	7	1,925.10	7	2,281.73	7	2,638.35	7	2,994.98	7	3,352.56
1/4	178.17	1/4	527.61	1/4	875.12	1/4	1,223.77	1/4	1,575.89	1/4	1,932.53	1/4	2,289.16	1/4	2,645.78	1/4	3,002.41	1/4	3,360.06
1/2	185.60	1/2	535.05	1/2	882.31	1/2	1,231.19	1/2	1,583.32	1/2	1,939.96	1/2	2,296.59	1/2	2,653.21	1/2	3,009.84	1/2	3,367.56
3/4	193.03	3/4	542.48	3/4	889.51	3/4	1,238.44	3/4	1,590.75	3/4	1,947.39	3/4	2,304.02	3/4	2,660.64	3/4	3,017.27	3/4	3,375.06
8	200.47	8	549.92	8	896.70	8	1,245.69	8	1,598.18	8	1,954.82	8	2,311.45	8	2,668.07	8	3,024.70	8	3,382.56
1/4	207.90	1/4	557.35	1/4	903.90	1/4	1,252.94	1/4	1,605.61	1/4	1,962.25	1/4	2,318.88	1/4	2,675.50	1/4	3,032.13	1/4	3,390.06
1/2	215.33	1/2	564.79	1/2	911.09	1/2	1,260.20	1/2	1,613.04	1/2	1,969.68	1/2	2,326.31	1/2	2,682.93	1/2	3,039.56	1/2	3,397.56
3/4	222.77	3/4	572.01	3/4	918.29	3/4	1,267.47	3/4	1,620.47	3/4	1,977.11	3/4	2,333.74	3/4	2,690.36	3/4	3,046.99	3/4	3,405.06
9	230.20	9	579.23	9	925.48	9	1,274.74	9	1,627.90	9	1,984.54	9	2,341.17	9	2,697.79	9	3,054.42	9	3,412.56
1/4	237.63	1/4	586.46	1/4	932.67	1/4	1,282.01	1/4	1,635.33	1/4	1,991.97	1/4	2,348.60	1/4	2,705.22	1/4	3,061.85	1/4	3,420.06
1/2	245.07	1/2	593.68	1/2	939.86	1/2	1,289.27	1/2	1,642.76	1/2	1,999.40	1/2	2,356.03	1/2	2,712.65	1/2	3,069.28	1/2	3,427.56
3/4	252.50	3/4	600.91	3/4	947.06	3/4	1,296.54	3/4	1,650.19	3/4	2,006.83	3/4	2,363.46	3/4	2,720.08	3/4	3,076.71	3/4	3,435.06
10	259.94	10	608.13	10	954.25	10	1,303.81	10	1,657.62	10	2,014.26	10	2,370.89	10	2,727.51	10	3,084.14	10	3,442.56
1/4	267.37	1/4	615.35	1/4	961.44	1/4	1,311.08	1/4	1,665.05	1/4	2,021.69	1/4	2,378.31	1/4	2,734.94	1/4	3,091.57	1/4	3,450.06
1/2	274.80	1/2	622.58	1/2	968.64	1/2	1,318.35	1/2	1,672.48	1/2	2,029.12	1/2	2,385.74	1/2	2,742.37	1/2	3,099.00	1/2	3,457.56
3/4	282.22	3/4	629.80	3/4	975.83	3/4	1,325.62	3/4	1,679.91	3/4	2,036.55	3/4	2,393.17	3/4	2,749.80	3/4	3,106.43	3/4	3,465.06
11	289.64	11	637.03	11	983.02	11	1,332.89	11	1,687.34	11	2,043.98	11	2,400.60	11	2,757.23	11	3,113.86	11	3,472.56
1/4	297.06	1/4	644.25	1/4	990.21	1/4	1,340.16	1/4	1,694.77	1/4	2,051.41	1/4	2,408.03	1/4	2,764.66	1/4	3,121.28	1/4	3,480.06
1/2	304.48	1/2	651.47	1/2	997.41	1/2	1,347.42	1/2	1,702.20	1/2	2,058.84	1/2	2,415.46	1/2	2,772.09	1/2	3,128.71	1/2	3,487.56
3/4	311.88	3/4	658.70	3/4	1,004.60	3/4	1,354.69	3/4	1,709.63	3/4	2,066.27	3/4	2,422.89	3/4	2,779.52	3/4	3,136.17	3/4	3,495.06

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE THAT EXPANDS TO 4".
 GAUGE POINT: (MANUAL) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 27780"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,411.52	0	3,602.03	0	3,782.17	0	3,947.83	0		0		0		0		0		0	
1/4	3,415.52	1/4	3,605.91	1/4	3,785.74	1/4	3,951.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,419.52	1/2	3,609.80	1/2	3,789.30	1/2	3,954.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,423.52	3/4	3,613.66	3/4	3,792.85	3/4	3,958.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,427.52	1	3,617.52	1	3,796.40	1	3,961.74	1	1	1	1	1	1	1	1	1	1	1	1
1/4	3,431.51	1/4	3,621.39	1/4	3,799.95	1/4	3,965.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,435.51	1/2	3,625.25	1/2	3,803.49	1/2	3,968.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,439.51	3/4	3,629.09	3/4	3,807.02	3/4	3,972.89	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,443.51	2	3,632.94	2	3,810.55	2	3,976.81	2	2	2	2	2	2	2	2	2	2	2	2
1/4	3,447.51	1/4	3,636.78	1/4	3,814.08	1/4	3,980.72	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,451.51	1/2	3,640.63	1/2	3,817.61	1/2	3,984.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,455.50	3/4	3,644.45	3/4	3,821.12	3/4	3,988.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,459.50	3	3,648.28	3	3,824.63	3	3,992.46	3	3	3	3	3	3	3	3	3	3	3	3
1/4	3,463.50	1/4	3,652.10	1/4	3,828.13	1/4	3,996.37	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,467.50	1/2	3,655.93	1/2	3,831.64	1/2	4,000.29	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,471.50	3/4	3,659.73	3/4	3,835.13	3/4	4,003.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,475.50	4	3,663.54	4	3,838.62	4	4,007.42	4	4	4	4	4	4	4	4	4	4	4	4
1/4	3,479.49	1/4	3,667.34	1/4	3,842.11	1/4	4,010.98	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,483.49	1/2	3,671.15	1/2	3,845.60	1/2	4,014.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,487.49	3/4	3,674.93	3/4	3,849.07	3/4	4,016.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,491.49	5	3,678.72	5	3,852.54	5	4,019.27	5	5	5	5	5	5	5	5	5	5	5	5
1/4	3,495.49	1/4	3,682.51	1/4	3,856.01	1/4	4,021.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,499.49	1/2	3,686.29	1/2	3,859.48	1/2	4,023.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,503.48	3/4	3,690.06	3/4	3,862.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,507.47	6	3,693.83	6	3,866.39	6		6	6	6	6	6	6	6	6	6	6	6	6
1/4	3,511.46	1/4	3,697.59	1/4	3,869.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,515.46	1/2	3,701.36	1/2	3,873.29	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,519.44	3/4	3,705.11	3/4	3,876.72	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,523.42	7	3,708.86	7	3,880.15	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	3,527.39	1/4	3,712.60	1/4	3,883.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,531.37	1/2	3,716.35	1/2	3,887.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,535.33	3/4	3,720.08	3/4	3,890.43	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,539.29	8	3,723.81	8	3,893.84	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	3,543.25	1/4	3,727.54	1/4	3,897.26	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,547.21	1/2	3,731.27	1/2	3,900.67	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,551.15	3/4	3,734.97	3/4	3,904.06	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,555.09	9	3,738.68	9	3,907.45	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	3,559.03	1/4	3,742.39	1/4	3,910.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,562.97	1/2	3,746.10	1/2	3,914.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,566.89	3/4	3,749.75	3/4	3,917.62	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,570.82	10	3,753.40	10	3,920.99	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	3,574.74	1/4	3,757.05	1/4	3,924.36	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,578.66	1/2	3,760.69	1/2	3,927.74	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,582.56	3/4	3,764.28	3/4	3,931.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,586.46	11	3,767.87	11	3,934.45	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	3,590.36	1/4	3,771.45	1/4	3,937.80	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,594.27	1/2	3,775.04	1/2	3,941.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,598.15	3/4	3,778.60	3/4	3,944.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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BARGE "KIRBY 27780"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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.
0	46.38	0	320.30	0	670.84	0	1,027.80	0	1,382.43	0	1,739.26	0	2,097.05	0	2,454.83	0	2,812.62	0	3,170.41
1/4	46.91	1/4	327.73	1/4	678.29	1/4	1,035.23	1/4	1,389.72	1/4	1,746.71	1/4	2,104.50	1/4	2,462.29	1/4	2,820.08	1/4	3,177.86
1/2	47.44	1/2	335.15	1/2	685.75	1/2	1,042.65	1/2	1,397.02	1/2	1,754.16	1/2	2,111.95	1/2	2,469.74	1/2	2,827.53	1/2	3,185.32
3/4	48.81	3/4	342.58	3/4	693.20	3/4	1,050.08	3/4	1,404.31	3/4	1,761.62	3/4	2,119.41	3/4	2,477.20	3/4	2,834.98	3/4	3,192.77
1	50.18	1	350.00	1	700.66	1	1,057.50	1	1,411.60	1	1,769.07	1	2,126.86	1	2,484.65	1	2,842.44	1	3,200.22
1/4	51.56	1/4	357.43	1/4	708.11	1/4	1,064.93	1/4	1,418.89	1/4	1,776.53	1/4	2,134.32	1/4	2,492.10	1/4	2,849.89	1/4	3,207.68
1/2	52.93	1/2	364.85	1/2	715.57	1/2	1,072.36	1/2	1,426.18	1/2	1,783.98	1/2	2,141.77	1/2	2,499.56	1/2	2,857.34	1/2	3,215.13
3/4	55.13	3/4	372.29	3/4	723.02	3/4	1,079.79	3/4	1,433.64	3/4	1,791.43	3/4	2,149.22	3/4	2,507.01	3/4	2,864.80	3/4	3,222.59
2	57.32	2	379.73	2	730.48	2	1,087.22	2	1,441.09	2	1,798.89	2	2,156.68	2	2,514.47	2	2,872.25	2	3,230.04
1/4	59.52	1/4	387.17	1/4	737.93	1/4	1,094.65	1/4	1,448.55	1/4	1,806.34	1/4	2,164.13	1/4	2,521.92	1/4	2,879.71	1/4	3,237.49
1/2	61.72	1/2	394.61	1/2	745.38	1/2	1,102.08	1/2	1,456.00	1/2	1,813.80	1/2	2,171.59	1/2	2,529.37	1/2	2,887.16	1/2	3,244.95
3/4	65.60	3/4	401.62	3/4	752.84	3/4	1,109.53	3/4	1,463.45	3/4	1,821.25	3/4	2,179.04	3/4	2,536.83	3/4	2,894.61	3/4	3,252.40
3	69.48	3	408.64	3	760.29	3	1,116.98	3	1,470.91	3	1,828.70	3	2,186.49	3	2,544.28	3	2,902.07	3	3,259.86
1/4	73.36	1/4	415.65	1/4	767.75	1/4	1,124.44	1/4	1,478.36	1/4	1,836.16	1/4	2,193.95	1/4	2,551.74	1/4	2,909.52	1/4	3,267.31
1/2	77.24	1/2	422.67	1/2	775.20	1/2	1,131.89	1/2	1,485.82	1/2	1,843.61	1/2	2,201.40	1/2	2,559.19	1/2	2,916.98	1/2	3,274.76
3/4	82.80	3/4	429.24	3/4	782.66	3/4	1,139.35	3/4	1,493.27	3/4	1,851.07	3/4	2,208.86	3/4	2,566.64	3/4	2,924.43	3/4	3,282.22
4	88.35	4	435.81	4	790.11	4	1,146.80	4	1,500.72	4	1,858.52	4	2,216.31	4	2,574.10	4	2,931.88	4	3,289.67
1/4	93.91	1/4	442.39	1/4	797.57	1/4	1,154.26	1/4	1,508.18	1/4	1,865.98	1/4	2,223.76	1/4	2,581.55	1/4	2,939.34	1/4	3,297.13
1/2	99.47	1/2	448.96	1/2	805.02	1/2	1,161.71	1/2	1,515.63	1/2	1,873.43	1/2	2,231.22	1/2	2,589.00	1/2	2,946.79	1/2	3,304.58
3/4	106.27	3/4	455.98	3/4	812.45	3/4	1,169.17	3/4	1,523.09	3/4	1,880.88	3/4	2,238.67	3/4	2,596.46	3/4	2,954.25	3/4	3,312.03
5	113.07	5	462.99	5	819.88	5	1,176.62	5	1,530.54	5	1,888.34	5	2,246.13	5	2,603.91	5	2,961.70	5	3,319.49
1/4	119.88	1/4	470.01	1/4	827.31	1/4	1,184.08	1/4	1,537.99	1/4	1,895.79	1/4	2,253.58	1/4	2,611.37	1/4	2,969.15	1/4	3,326.94
1/2	126.68	1/2	477.02	1/2	834.74	1/2	1,191.53	1/2	1,545.45	1/2	1,903.25	1/2	2,261.03	1/2	2,618.82	1/2	2,976.61	1/2	3,334.39
3/4	134.12	3/4	484.48	3/4	842.16	3/4	1,198.99	3/4	1,552.90	3/4	1,910.70	3/4	2,268.49	3/4	2,626.27	3/4	2,984.06	3/4	3,338.39
6	141.56	6	491.93	6	849.59	6	1,206.44	6	1,560.36	6	1,918.15	6	2,275.94	6	2,633.73	6	2,991.52	6	3,342.39
1/4	149.00	1/4	499.38	1/4	857.02	1/4	1,213.90	1/4	1,567.81	1/4	1,925.61	1/4	2,283.39	1/4	2,641.18	1/4	2,998.97	1/4	3,346.39
1/2	156.44	1/2	506.84	1/2	864.44	1/2	1,221.35	1/2	1,575.27	1/2	1,933.06	1/2	2,290.85	1/2	2,648.64	1/2	3,006.42	1/2	3,350.39
3/4	163.89	3/4	514.29	3/4	871.87	3/4	1,228.80	3/4	1,582.72	3/4	1,940.52	3/4	2,298.30	3/4	2,656.09	3/4	3,013.88	3/4	3,354.40
7	171.34	7	521.75	7	879.29	7	1,236.26	7	1,590.17	7	1,947.97	7	2,305.76	7	2,663.54	7	3,021.33	7	3,358.40
1/4	178.80	1/4	529.20	1/4	886.72	1/4	1,243.71	1/4	1,597.63	1/4	1,955.42	1/4	2,313.21	1/4	2,671.00	1/4	3,028.78	1/4	3,362.40
1/2	186.25	1/2	536.66	1/2	894.14	1/2	1,251.17	1/2	1,605.08	1/2	1,962.88	1/2	2,320.66	1/2	2,678.45	1/2	3,036.24	1/2	3,366.40
3/4	193.71	3/4	544.11	3/4	901.57	3/4	1,258.46	3/4	1,612.54	3/4	1,970.33	3/4	2,328.12	3/4	2,685.91	3/4	3,043.69	3/4	3,370.40
8	201.16	8	551.57	8	908.99	8	1,265.75	8	1,619.99	8	1,977.78	8	2,335.57	8	2,693.36	8	3,051.15	8	3,374.40
1/4	208.61	1/4	559.02	1/4	916.42	1/4	1,273.05	1/4	1,627.44	1/4	1,985.24	1/4	2,343.03	1/4	2,700.81	1/4	3,058.60	1/4	3,378.40
1/2	216.07	1/2	566.48	1/2	923.85	1/2	1,280.34	1/2	1,634.90	1/2	1,992.69	1/2	2,350.48	1/2	2,708.27	1/2	3,066.05	1/2	3,382.40
3/4	223.52	3/4	573.93	3/4	931.27	3/4	1,287.63	3/4	1,642.35	3/4	2,000.15	3/4	2,357.93	3/4	2,715.72	3/4	3,073.51	3/4	3,386.40
9	230.97	9	581.39	9	938.70	9	1,294.93	9	1,649.81	9	2,007.60	9	2,365.39	9	2,723.17	9	3,080.96	9	3,390.40
1/4	238.43	1/4	588.84	1/4	946.12	1/4	1,302.22	1/4	1,657.26	1/4	2,015.05	1/4	2,372.84	1/4	2,730.63	1/4	3,088.42	1/4	3,394.40
1/2	245.88	1/2	596.30	1/2	953.55	1/2	1,309.51	1/2	1,664.71	1/2	2,022.51	1/2	2,380.30	1/2	2,738.08	1/2	3,095.87	1/2	3,398.40
3/4	253.33	3/4	603.75	3/4	960.97	3/4	1,316.80	3/4	1,672.17	3/4	2,029.96	3/4	2,387.75	3/4	2,745.54	3/4	3,103.32	3/4	3,402.40
10	260.79	10	611.21	10	968.40	10	1,324.10	10	1,679.62	10	2,037.42	10	2,395.20	10	2,752.99	10	3,110.78	10	3,406.40
1/4	268.24	1/4	618.66	1/4	975.82	1/4	1,331.39	1/4	1,687.08	1/4	2,044.87	1/4	2,402.66	1/4	2,760.44	1/4	3,118.23	1/4	3,410.40
1/2	275.70	1/2	626.11	1/2	983.25	1/2	1,338.68	1/2	1,694.53	1/2	2,052.32	1/2	2,410.11	1/2	2,767.90	1/2	3,125.69	1/2	3,414.40
3/4	283.13	3/4	633.57	3/4	990.67	3/4	1,345.97	3/4	1,701.99	3/4	2,059.78	3/4	2,417.56	3/4	2,775.35	3/4	3,133.14	3/4	3,418.40
11	290.57	11	641.02	11	998.10	11	1,353.26	11	1,709.44	11	2,067.23	11	2,425.02	11	2,782.81	11	3,140.59	11	3,422.40
1/4	298.01	1/4	648.48	1/4	1,005.53	1/4	1,360.56	1/4	1,716.89	1/4	2,074.69	1/4	2,432.47	1/4	2,790.26	1/4	3,148.05	1/4	3,426.40
1/2	305.45	1/2	655.93	1/2	1,012.95	1/2	1,367.85	1/2	1,724.35	1/2	2,082.14	1/2	2,439.93	1/2	2,797.71	1/2	3,155.50	1/2	3,430.40
3/4	312.88	3/4	663.39	3/4	1,020.38	3/4	1,375.14	3/4	1,731.80	3/4	2,089.59	3/4	2,447.38	3/4	2,805.17	3/4	3,162.95	3/4	3,434.40

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE THAT EXPANDS TO 4".

GAUGE POINT: (MANUAL) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 27780"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,438.40	0	3,628.99	0	3,809.22	0	3,974.96	0		0		0		0		0		0	
1/4	3,442.40	1/4	3,632.88	1/4	3,812.79	1/4	3,978.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,446.40	1/2	3,636.76	1/2	3,816.36	1/2	3,981.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,450.40	3/4	3,640.63	3/4	3,819.91	3/4	3,985.26	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,454.40	1	3,644.49	1	3,823.46	1	3,988.88	1		1		1		1		1		1	
1/4	3,458.40	1/4	3,648.36	1/4	3,827.00	1/4	3,992.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,462.40	1/2	3,652.22	1/2	3,830.55	1/2	3,996.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,466.40	3/4	3,656.07	3/4	3,834.08	3/4	4,000.04	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,470.40	2	3,659.91	2	3,837.61	2	4,003.96	2		2		2		2		2		2	
1/4	3,474.40	1/4	3,663.76	1/4	3,841.14	1/4	4,007.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,478.40	1/2	3,667.61	1/2	3,844.67	1/2	4,011.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,482.40	3/4	3,671.43	3/4	3,848.18	3/4	4,015.70	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,486.40	3	3,675.26	3	3,851.70	3	4,019.62	3		3		3		3		3		3	
1/4	3,490.40	1/4	3,679.09	1/4	3,855.21	1/4	4,023.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,494.40	1/2	3,682.91	1/2	3,858.72	1/2	4,027.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,498.40	3/4	3,686.72	3/4	3,862.21	3/4	4,031.02	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,502.40	4	3,690.53	4	3,865.70	4	4,034.58	4		4		4		4		4		4	
1/4	3,506.40	1/4	3,694.33	1/4	3,869.19	1/4	4,038.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,510.40	1/2	3,698.14	1/2	3,872.68	1/2	4,041.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,514.40	3/4	3,701.93	3/4	3,876.16	3/4	4,044.08	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,518.40	5	3,705.72	5	3,879.63	5	4,046.44	5		5		5		5		5		5	
1/4	3,522.40	1/4	3,709.51	1/4	3,883.10	1/4	4,048.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,526.40	1/2	3,713.29	1/2	3,886.57	1/2	4,051.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,530.39	3/4	3,717.06	3/4	3,890.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,534.39	6	3,720.83	6	3,893.48	6		6		6		6		6		6		6	
1/4	3,538.38	1/4	3,724.60	1/4	3,896.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,542.38	1/2	3,728.37	1/2	3,900.38	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,546.36	3/4	3,732.12	3/4	3,903.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,550.34	7	3,735.87	7	3,907.25	7		7		7		7		7		7		7	
1/4	3,554.32	1/4	3,739.62	1/4	3,910.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,558.30	1/2	3,743.37	1/2	3,914.12	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,562.26	3/4	3,747.10	3/4	3,917.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,566.23	8	3,750.83	8	3,920.95	8		8		8		8		8		8		8	
1/4	3,570.19	1/4	3,754.56	1/4	3,924.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,574.15	1/2	3,758.29	1/2	3,927.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,578.09	3/4	3,762.00	3/4	3,931.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,582.03	9	3,765.71	9	3,934.57	9		9		9		9		9		9		9	
1/4	3,585.98	1/4	3,769.42	1/4	3,937.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,589.92	1/2	3,773.13	1/2	3,941.36	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,593.84	3/4	3,776.78	3/4	3,944.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,597.76	10	3,780.43	10	3,948.11	10		10		10		10		10		10		10	
1/4	3,601.69	1/4	3,784.08	1/4	3,951.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,605.61	1/2	3,787.73	1/2	3,954.86	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,609.51	3/4	3,791.32	3/4	3,958.22	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,613.42	11	3,794.91	11	3,961.57	11		11		11		11		11		11		11	
1/4	3,617.32	1/4	3,798.49	1/4	3,964.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,621.22	1/2	3,802.08	1/2	3,968.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,625.11	3/4	3,805.65	3/4	3,971.63	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/08/2011 CL - SW
CALCULATED: 06/09/2011 CL
PRINTED: 06/09/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 27780"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

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.
0	0	0	2,339	0	4,678	0	7,017	0	9,356	0	11,695	0	14,034	0		0		0	
1/4	49	1/4	2,388	1/4	4,727	1/4	7,066	1/4	9,405	1/4	11,744	1/4	14,083	1/4		1/4		1/4	
1/2	97	1/2	2,436	1/2	4,775	1/2	7,114	1/2	9,454	1/2	11,793	1/2	14,132	1/2		1/2		1/2	
3/4	146	3/4	2,485	3/4	4,824	3/4	7,163	3/4	9,502	3/4	11,841	3/4	14,180	3/4		3/4		3/4	
1	195	1	2,534	1	4,873	1	7,212	1	9,551	1	11,890	1	14,229	1		1		1	
1/4	244	1/4	2,583	1/4	4,922	1/4	7,261	1/4	9,600	1/4	11,939	1/4	14,278	1/4		1/4		1/4	
1/2	292	1/2	2,631	1/2	4,970	1/2	7,309	1/2	9,648	1/2	11,987	1/2	14,326	1/2		1/2		1/2	
3/4	341	3/4	2,680	3/4	5,019	3/4	7,358	3/4	9,697	3/4	12,036	3/4	14,375	3/4		3/4		3/4	
2	390	2	2,729	2	5,068	2	7,407	2	9,746	2	12,085	2	14,424	2		2		2	
1/4	439	1/4	2,778	1/4	5,117	1/4	7,456	1/4	9,795	1/4	12,134	1/4	14,473	1/4		1/4		1/4	
1/2	487	1/2	2,826	1/2	5,165	1/2	7,504	1/2	9,843	1/2	12,182	1/2	14,521	1/2		1/2		1/2	
3/4	536	3/4	2,875	3/4	5,214	3/4	7,553	3/4	9,892	3/4	12,231	3/4		3/4		3/4		3/4	
3	585	3	2,924	3	5,263	3	7,602	3	9,941	3	12,280	3		3		3		3	
1/4	633	1/4	2,972	1/4	5,312	1/4	7,651	1/4	9,990	1/4	12,329	1/4		1/4		1/4		1/4	
1/2	682	1/2	3,021	1/2	5,360	1/2	7,699	1/2	10,038	1/2	12,377	1/2		1/2		1/2		1/2	
3/4	731	3/4	3,070	3/4	5,409	3/4	7,748	3/4	10,087	3/4	12,426	3/4		3/4		3/4		3/4	
4	780	4	3,119	4	5,458	4	7,797	4	10,136	4	12,475	4		4		4		4	
1/4	828	1/4	3,167	1/4	5,506	1/4	7,845	1/4	10,184	1/4	12,523	1/4		1/4		1/4		1/4	
1/2	877	1/2	3,216	1/2	5,555	1/2	7,894	1/2	10,233	1/2	12,572	1/2		1/2		1/2		1/2	
3/4	926	3/4	3,265	3/4	5,604	3/4	7,943	3/4	10,282	3/4	12,621	3/4		3/4		3/4		3/4	
5	975	5	3,314	5	5,653	5	7,992	5	10,331	5	12,670	5		5		5		5	
1/4	1,023	1/4	3,362	1/4	5,701	1/4	8,040	1/4	10,379	1/4	12,718	1/4		1/4		1/4		1/4	
1/2	1,072	1/2	3,411	1/2	5,750	1/2	8,089	1/2	10,428	1/2	12,767	1/2		1/2		1/2		1/2	
3/4	1,121	3/4	3,460	3/4	5,799	3/4	8,138	3/4	10,477	3/4	12,816	3/4		3/4		3/4		3/4	
6	1,170	6	3,509	6	5,848	6	8,187	6	10,526	6	12,865	6		6		6		6	
1/4	1,218	1/4	3,557	1/4	5,896	1/4	8,235	1/4	10,574	1/4	12,913	1/4		1/4		1/4		1/4	
1/2	1,267	1/2	3,606	1/2	5,945	1/2	8,284	1/2	10,623	1/2	12,962	1/2		1/2		1/2		1/2	
3/4	1,316	3/4	3,655	3/4	5,994	3/4	8,333	3/4	10,672	3/4	13,011	3/4		3/4		3/4		3/4	
7	1,364	7	3,703	7	6,042	7	8,381	7	10,720	7	13,059	7		7		7		7	
1/4	1,413	1/4	3,752	1/4	6,091	1/4	8,430	1/4	10,769	1/4	13,108	1/4		1/4		1/4		1/4	
1/2	1,462	1/2	3,801	1/2	6,140	1/2	8,479	1/2	10,818	1/2	13,157	1/2		1/2		1/2		1/2	
3/4	1,511	3/4	3,850	3/4	6,189	3/4	8,528	3/4	10,867	3/4	13,206	3/4		3/4		3/4		3/4	
8	1,559	8	3,898	8	6,237	8	8,576	8	10,915	8	13,254	8		8		8		8	
1/4	1,608	1/4	3,947	1/4	6,286	1/4	8,625	1/4	10,964	1/4	13,303	1/4		1/4		1/4		1/4	
1/2	1,657	1/2	3,996	1/2	6,335	1/2	8,674	1/2	11,013	1/2	13,352	1/2		1/2		1/2		1/2	
3/4	1,706	3/4	4,045	3/4	6,384	3/4	8,723	3/4	11,062	3/4	13,401	3/4		3/4		3/4		3/4	
9	1,754	9	4,093	9	6,432	9	8,771	9	11,110	9	13,449	9		9		9		9	
1/4	1,803	1/4	4,142	1/4	6,481	1/4	8,820	1/4	11,159	1/4	13,498	1/4		1/4		1/4		1/4	
1/2	1,852	1/2	4,191	1/2	6,530	1/2	8,869	1/2	11,208	1/2	13,547	1/2		1/2		1/2		1/2	
3/4	1,900	3/4	4,239	3/4	6,578	3/4	8,917	3/4	11,256	3/4	13,596	3/4		3/4		3/4		3/4	
10	1,949	10	4,288	10	6,627	10	8,966	10	11,305	10	13,644	10		10		10		10	
1/4	1,998	1/4	4,337	1/4	6,676	1/4	9,015	1/4	11,354	1/4	13,693	1/4		1/4		1/4		1/4	
1/2	2,047	1/2	4,386	1/2	6,725	1/2	9,064	1/2	11,403	1/2	13,742	1/2		1/2		1/2		1/2	
3/4	2,095	3/4	4,434	3/4	6,773	3/4	9,112	3/4	11,451	3/4	13,790	3/4		3/4		3/4		3/4	
11	2,144	11	4,483	11	6,822	11	9,161	11	11,500	11	13,839	11		11		11		11	
1/4	2,193	1/4	4,532	1/4	6,871	1/4	9,210	1/4	11,549	1/4	13,888	1/4		1/4		1/4		1/4	
1/2	2,242	1/2	4,581	1/2	6,920	1/2	9,259	1/2	11,598	1/2	13,937	1/2		1/2		1/2		1/2	
3/4	2,290	3/4	4,629	3/4	6,968	3/4	9,307	3/4	11,646	3/4	13,985	3/4		3/4		3/4		3/4	

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

STRAPPED: 07/01/2021 JS
CALCULATED: 07/08/2021 CL
ISSUED: 07/08/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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