



BARGE "KIRBY 28720"

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	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-7/8	- 01-7/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4
1 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-7/8	- 01-7/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4
2 PORT	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8
2 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8
3 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-5/8	- 02-5/8
3 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8

(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 2 PORT IS - 00-7/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/8"

LENGTH BETWEEN DRAFT MARKS: 241'-00"

January 5, 2007

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28720"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

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			
0		0		0		0	4,838.12	0	4,517.04	0	4,172.78	0	3,810.86	0	3,444.77	0	3,078.69	0	2,712.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,833.67	1/4	4,510.08	1/4	4,165.42	1/4	3,803.23	1/4	3,437.15	1/4	3,071.06	1/4	2,704.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,827.95	1/2	4,503.07	1/2	4,158.03	1/2	3,795.61	1/2	3,429.52	1/2	3,063.43	1/2	2,697.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,822.22	3/4	4,496.07	3/4	4,150.64	3/4	3,787.98	3/4	3,421.89	3/4	3,058.81	3/4	2,689.66		
1		1		1		1	4,816.50	1	4,489.07	1	4,143.25	1	3,780.35	1	3,414.27	1	3,048.18	1	2,682.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,810.78	1/4	4,482.07	1/4	4,135.86	1/4	3,772.72	1/4	3,406.64	1/4	3,040.55	1/4	2,674.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,803.78	1/2	4,475.03	1/2	4,128.43	1/2	3,765.10	1/2	3,399.01	1/2	3,032.93	1/2	2,666.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,796.79	3/4	4,468.00	3/4	4,121.01	3/4	3,757.47	3/4	3,391.38	3/4	3,025.30	3/4	2,659.14		
2		2		2		2	4,789.80	2	4,460.97	2	4,113.59	2	3,749.84	2	3,383.76	2	3,017.67	2	2,651.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,782.81	1/4	4,453.93	1/4	4,106.16	1/4	3,742.22	1/4	3,376.13	1/4	3,010.04	1/4	2,643.88		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,776.16	1/2	4,446.86	1/2	4,098.71	1/2	3,734.59	1/2	3,368.50	1/2	3,002.42	1/2	2,636.25		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,769.52	3/4	4,439.80	3/4	4,091.25	3/4	3,726.96	3/4	3,360.88	3/4	2,994.79	3/4	2,628.62		
3		3		3		3	4,762.88	3	4,432.73	3	4,083.79	3	3,719.34	3	3,353.25	3	2,987.16	3	2,620.99		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,756.24	1/4	4,425.67	1/4	4,076.34	1/4	3,711.71	1/4	3,345.62	1/4	2,979.54	1/4	2,613.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,749.54	1/2	4,418.57	1/2	4,068.85	1/2	3,704.08	1/2	3,338.00	1/2	2,971.91	1/2	2,605.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,742.84	3/4	4,411.47	3/4	4,061.36	3/4	3,696.46	3/4	3,330.37	3/4	2,964.28	3/4	2,598.09		
4		4		4		4	4,736.14	4	4,404.37	4	4,053.87	4	3,688.83	4	3,322.74	4	2,956.66	4	2,590.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,729.45	1/4	4,397.27	1/4	4,046.38	1/4	3,681.20	1/4	3,315.12	1/4	2,949.03	1/4	2,582.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,722.71	1/2	4,390.14	1/2	4,038.86	1/2	3,673.58	1/2	3,307.49	1/2	2,941.40	1/2	2,575.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,715.97	3/4	4,383.01	3/4	4,031.34	3/4	3,665.95	3/4	3,299.86	3/4	2,933.78	3/4	2,567.57		
5		5		5		5	4,709.23	5	4,375.87	5	4,023.82	5	3,658.32	5	3,292.24	5	2,926.15	5	2,559.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,702.49	1/4	4,368.74	1/4	4,016.30	1/4	3,650.70	1/4	3,284.61	1/4	2,918.52	1/4	2,552.31		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,695.71	1/2	4,361.58	1/2	4,008.74	1/2	3,643.07	1/2	3,276.98	1/2	2,910.90	1/2	2,544.68		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,688.94	3/4	4,354.41	3/4	4,001.19	3/4	3,635.44	3/4	3,269.36	3/4	2,903.27	3/4	2,537.05		
6		6		6		6	4,682.16	6	4,347.25	6	3,993.64	6	3,627.82	6	3,261.73	6	2,895.64	6	2,529.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,675.39	1/4	4,340.09	1/4	3,986.08	1/4	3,620.19	1/4	3,254.10	1/4	2,888.02	1/4	2,521.79		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,668.58	1/2	4,332.89	1/2	3,978.50	1/2	3,612.56	1/2	3,246.48	1/2	2,880.39	1/2	2,514.15		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,661.77	3/4	4,325.69	3/4	3,970.91	3/4	3,604.94	3/4	3,238.85	3/4	2,872.76	3/4	2,506.52		
7		7		7		7	4,654.97	7	4,318.50	7	3,963.32	7	3,597.31	7	3,231.22	7	2,865.14	7	2,498.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,648.16	1/4	4,311.30	1/4	3,955.74	1/4	3,589.68	1/4	3,223.60	1/4	2,857.51	1/4	2,491.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,641.32	1/2	4,304.07	1/2	3,948.12	1/2	3,582.05	1/2	3,215.97	1/2	2,849.88	1/2	2,483.63		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,634.48	3/4	4,296.84	3/4	3,940.50	3/4	3,574.43	3/4	3,208.34	3/4	2,842.26	3/4	2,476.00		
8		8		8		8	4,627.64	8	4,289.61	8	3,932.88	8	3,566.80	8	3,200.71	8	2,834.63	8	2,468.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,620.80	1/4	4,282.38	1/4	3,925.26	1/4	3,559.17	1/4	3,193.09	1/4	2,827.00	1/4	2,460.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,613.93	1/2	4,275.12	1/2	3,917.63	1/2	3,551.55	1/2	3,185.46	1/2	2,819.37	1/2	2,453.11		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,607.06	3/4	4,267.86	3/4	3,910.01	3/4	3,543.92	3/4	3,177.83	3/4	2,811.75	3/4	2,445.48		
9		9		9		9	4,600.19	9	4,260.60	9	3,902.38	9	3,536.29	9	3,170.21	9	2,804.12	9	2,437.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,593.32	1/4	4,253.34	1/4	3,894.75	1/4	3,528.67	1/4	3,162.58	1/4	2,796.49	1/4	2,430.22		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,586.41	1/2	4,246.04	1/2	3,887.13	1/2	3,521.04	1/2	3,154.95	1/2	2,788.86	1/2	2,422.59		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,579.51	3/4	4,238.75	3/4	3,879.50	3/4	3,513.41	3/4	3,147.33	3/4	2,781.23	3/4	2,414.95		
10		10		10		10	4,572.60	10	4,231.46	10	3,871.87	10	3,505.79	10	3,139.70	10	2,773.60	10	2,407.32		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,565.70	1/4	4,224.16	1/4	3,864.25	1/4	3,498.16	1/4	3,132.07	1/4	2,765.97	1/4	2,399.69		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,558.76	1/2	4,216.84	1/2	3,856.62	1/2	3,490.53	1/2	3,124.45	1/2	2,758.34	1/2	2,392.06		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,551.83	3/4	4,209.51	3/4	3,848.99	3/4	3,482.91	3/4	3,116.82	3/4	2,750.71	3/4	2,384.43		
11		11		11		11	4,544.89	11	4,202.18	11	3,841.37	11	3,475.28	11	3,109.19	11	2,743.08	11	2,376.80		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,537.95	1/4	4,194.86	1/4	3,833.74	1/4	3,467.65	1/4	3,101.57	1/4	2,735.45	1/4	2,369.17		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,530.98	1/2	4,187.50	1/2	3,826.11	1/2	3,460.03	1/2	3,093.94	1/2	2,727.82	1/2	2,361.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,842.57	3/4	4,524.01	3/4	4,180.14	3/4	3,818.49	3/4	3,452.40	3/4	3,086.31	3/4	2,720.19	3/4	2,353.91

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 53'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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<http://www.pmacorp.net>



BARGE "KIRBY 28720"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,346.28	0	1,980.00	0	1,613.72	0	1,247.44	0	882.01	0	515.81	0	167.76	0		0		0	
1/4	2,338.65	1/4	1,972.37	1/4	1,606.09	1/4	1,239.81	1/4	874.40	1/4	508.18	1/4	161.25	1/4	1/4	1/4		1/4	
1/2	2,331.02	1/2	1,964.74	1/2	1,598.46	1/2	1,232.18	1/2	866.78	1/2	500.55	1/2	154.83	1/2	1/2	1/2		1/2	
3/4	2,323.38	3/4	1,957.11	3/4	1,590.83	3/4	1,224.55	3/4	859.16	3/4	492.92	3/4	148.41	3/4	3/4	3/4		3/4	
1	2,315.75	1	1,949.48	1	1,583.20	1	1,216.92	1	851.55	1	485.29	1	141.99	1		1		1	
1/4	2,308.12	1/4	1,941.84	1/4	1,575.57	1/4	1,209.29	1/4	843.93	1/4	477.66	1/4	135.57	1/4	1/4	1/4		1/4	
1/2	2,300.49	1/2	1,934.21	1/2	1,567.94	1/2	1,201.66	1/2	836.30	1/2	470.03	1/2	129.25	1/2	1/2	1/2		1/2	
3/4	2,292.86	3/4	1,926.58	3/4	1,560.30	3/4	1,194.03	3/4	828.67	3/4	462.40	3/4	122.93	3/4	3/4	3/4		3/4	
2	2,285.23	2	1,918.95	2	1,552.67	2	1,186.40	2	821.04	2	454.77	2	116.61	2		2		2	
1/4	2,277.60	1/4	1,911.32	1/4	1,545.04	1/4	1,178.76	1/4	813.41	1/4	447.14	1/4	110.29	1/4	1/4	1/4		1/4	
1/2	2,269.97	1/2	1,903.69	1/2	1,537.41	1/2	1,171.13	1/2	805.78	1/2	439.55	1/2	104.07	1/2	1/2	1/2		1/2	
3/4	2,262.34	3/4	1,896.06	3/4	1,529.78	3/4	1,163.50	3/4	798.15	3/4	431.97	3/4	97.86	3/4	3/4	3/4		3/4	
3	2,254.71	3	1,888.43	3	1,522.15	3	1,155.87	3	790.51	3	424.38	3	91.65	3		3		3	
1/4	2,247.08	1/4	1,880.80	1/4	1,514.52	1/4	1,148.24	1/4	782.88	1/4	416.80	1/4	85.43	1/4	1/4	1/4		1/4	
1/2	2,239.45	1/2	1,873.17	1/2	1,506.89	1/2	1,140.65	1/2	775.25	1/2	409.30	1/2	79.32	1/2	1/2	1/2		1/2	
3/4	2,231.82	3/4	1,865.54	3/4	1,499.26	3/4	1,133.06	3/4	767.62	3/4	401.81	3/4	73.21	3/4	3/4	3/4		3/4	
4	2,224.18	4	1,857.91	4	1,491.63	4	1,125.48	4	759.99	4	394.31	4	67.09	4		4		4	
1/4	2,216.55	1/4	1,850.28	1/4	1,484.00	1/4	1,117.89	1/4	752.36	1/4	386.82	1/4	60.98	1/4	1/4	1/4		1/4	
1/2	2,208.92	1/2	1,842.64	1/2	1,476.37	1/2	1,110.30	1/2	744.73	1/2	379.42	1/2	55.00	1/2	1/2	1/2		1/2	
3/4	2,201.29	3/4	1,835.01	3/4	1,468.74	3/4	1,102.71	3/4	737.10	3/4	372.01	3/4	49.02	3/4	3/4	3/4		3/4	
5	2,193.66	5	1,827.38	5	1,461.10	5	1,095.12	5	729.47	5	364.61	5	43.04	5		5		5	
1/4	2,186.03	1/4	1,819.75	1/4	1,453.47	1/4	1,087.54	1/4	721.84	1/4	357.20	1/4	37.06	1/4	1/4	1/4		1/4	
1/2	2,178.40	1/2	1,812.12	1/2	1,445.84	1/2	1,079.92	1/2	714.21	1/2	349.89	1/2	31.80	1/2	1/2	1/2		1/2	
3/4	2,170.77	3/4	1,804.49	3/4	1,438.21	3/4	1,072.31	3/4	706.58	3/4	342.58	3/4	26.53	3/4	3/4	3/4		3/4	
6	2,163.14	6	1,796.86	6	1,430.58	6	1,064.70	6	698.95	6	335.27	6	21.27	6		6		6	
1/4	2,155.51	1/4	1,789.23	1/4	1,422.95	1/4	1,057.09	1/4	691.32	1/4	327.95	1/4	16.01	1/4	1/4	1/4		1/4	
1/2	2,147.88	1/2	1,781.60	1/2	1,415.32	1/2	1,049.48	1/2	683.69	1/2	320.73	1/2	12.73	1/2	1/2	1/2		1/2	
3/4	2,140.25	3/4	1,773.97	3/4	1,407.69	3/4	1,041.87	3/4	676.06	3/4	313.51	3/4	9.46	3/4	3/4	3/4		3/4	
7	2,132.61	7	1,766.34	7	1,400.06	7	1,034.26	7	668.42	7	306.29	7	6.19	7		7		7	
1/4	2,124.98	1/4	1,758.71	1/4	1,392.43	1/4	1,026.64	1/4	660.79	1/4	299.06	1/4	2.92	1/4	1/4	1/4		1/4	
1/2	2,117.35	1/2	1,751.07	1/2	1,384.80	1/2	1,019.03	1/2	653.16	1/2	291.93	1/2		1/2	1/2	1/2		1/2	
3/4	2,109.72	3/4	1,743.44	3/4	1,377.17	3/4	1,011.42	3/4	645.53	3/4	284.80	3/4		3/4	3/4	3/4		3/4	
8	2,102.09	8	1,735.81	8	1,369.53	8	1,003.81	8	637.90	8	277.67	8		8		8		8	
1/4	2,094.46	1/4	1,728.18	1/4	1,361.90	1/4	996.20	1/4	630.27	1/4	270.54	1/4		1/4	1/4	1/4		1/4	
1/2	2,086.83	1/2	1,720.55	1/2	1,354.27	1/2	988.59	1/2	622.64	1/2	263.51	1/2		1/2	1/2	1/2		1/2	
3/4	2,079.20	3/4	1,712.92	3/4	1,346.64	3/4	980.98	3/4	615.01	3/4	256.49	3/4		3/4	3/4	3/4		3/4	
9	2,071.57	9	1,705.29	9	1,339.01	9	973.36	9	607.38	9	249.46	9		9		9		9	
1/4	2,063.94	1/4	1,697.66	1/4	1,331.38	1/4	965.75	1/4	599.75	1/4	242.43	1/4		1/4	1/4	1/4		1/4	
1/2	2,056.31	1/2	1,690.03	1/2	1,323.75	1/2	958.14	1/2	592.12	1/2	235.49	1/2		1/2	1/2	1/2		1/2	
3/4	2,048.68	3/4	1,682.40	3/4	1,316.12	3/4	950.53	3/4	584.49	3/4	228.56	3/4		3/4	3/4	3/4		3/4	
10	2,041.05	10	1,674.77	10	1,308.49	10	942.92	10	576.86	10	221.62	10		10		10		10	
1/4	2,033.41	1/4	1,667.14	1/4	1,300.86	1/4	935.31	1/4	569.23	1/4	214.69	1/4		1/4	1/4	1/4		1/4	
1/2	2,025.78	1/2	1,659.51	1/2	1,293.23	1/2	927.70	1/2	561.60	1/2	207.84	1/2		1/2	1/2	1/2		1/2	
3/4	2,018.15	3/4	1,651.87	3/4	1,285.60	3/4	920.08	3/4	553.97	3/4	201.00	3/4		3/4	3/4	3/4		3/4	
11	2,010.52	11	1,644.24	11	1,277.97	11	912.47	11	546.34	11	194.15	11		11		11		11	
1/4	2,002.89	1/4	1,636.61	1/4	1,270.33	1/4	904.86	1/4	538.70	1/4	187.30	1/4		1/4	1/4	1/4		1/4	
1/2	1,995.26	1/2	1,628.98	1/2	1,262.70	1/2	897.24	1/2	531.07	1/2	180.79	1/2		1/2	1/2	1/2		1/2	
3/4	1,987.63	3/4	1,621.35	3/4	1,255.07	3/4	889.63	3/4	523.44	3/4	174.28	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/04/2007 CL - SW
CALCULATED: 01/05/2007 CL
PRINTED: 01/05/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2007

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



BARGE "KIRBY 28720"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,362.02	0	1,995.77	0	1,629.73	0	1,263.45	0	897.34	0	531.07	0	180.79	0		0		0			
1/4	2,354.39	1/4	1,988.14	1/4	1,622.10	1/4	1,255.82	1/4	889.71	1/4	523.44	1/4	174.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,346.76	1/2	1,980.51	1/2	1,614.47	1/2	1,248.19	1/2	882.08	1/2	515.81	1/2	167.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,339.13	3/4	1,972.88	3/4	1,606.83	3/4	1,240.56	3/4	874.45	3/4	508.18	3/4	161.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
1	2,331.50	1	1,965.25	1	1,599.20	1	1,232.93	1	866.82	1	500.55	1	154.83	1		1		1		1	
1/4	2,323.87	1/4	1,957.62	1/4	1,591.57	1/4	1,225.29	1/4	859.19	1/4	492.92	1/4	148.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,316.24	1/2	1,949.99	1/2	1,583.94	1/2	1,217.66	1/2	851.56	1/2	485.29	1/2	141.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,308.61	3/4	1,942.36	3/4	1,576.31	3/4	1,210.03	3/4	843.93	3/4	477.66	3/4	135.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
2	2,300.98	2	1,934.73	2	1,568.68	2	1,202.40	2	836.30	2	470.03	2	129.25	2		2		2		2	
1/4	2,293.35	1/4	1,927.10	1/4	1,561.05	1/4	1,194.77	1/4	828.67	1/4	462.40	1/4	122.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,285.72	1/2	1,919.47	1/2	1,553.42	1/2	1,187.14	1/2	821.04	1/2	454.77	1/2	116.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,278.09	3/4	1,911.84	3/4	1,545.79	3/4	1,179.51	3/4	813.41	3/4	447.14	3/4	110.29	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
3	2,270.46	3	1,904.21	3	1,538.16	3	1,171.88	3	805.78	3	439.55	3	104.07	3		3		3		3	
1/4	2,262.83	1/4	1,896.58	1/4	1,530.53	1/4	1,164.25	1/4	798.15	1/4	431.97	1/4	97.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,255.20	1/2	1,888.95	1/2	1,522.90	1/2	1,156.62	1/2	790.51	1/2	424.38	1/2	91.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,247.57	3/4	1,881.32	3/4	1,515.26	3/4	1,148.99	3/4	782.88	3/4	416.80	3/4	85.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
4	2,239.94	4	1,873.69	4	1,507.63	4	1,141.36	4	775.25	4	409.30	4	79.32	4		4		4		4	
1/4	2,232.31	1/4	1,866.06	1/4	1,500.00	1/4	1,133.74	1/4	767.62	1/4	401.81	1/4	73.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,224.67	1/2	1,858.43	1/2	1,492.37	1/2	1,126.11	1/2	759.99	1/2	394.31	1/2	67.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,217.04	3/4	1,850.80	3/4	1,484.74	3/4	1,118.48	3/4	752.36	3/4	386.82	3/4	60.98	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
5	2,209.41	5	1,843.17	5	1,477.11	5	1,110.86	5	744.73	5	379.42	5	55.00	5		5		5		5	
1/4	2,201.78	1/4	1,835.55	1/4	1,469.48	1/4	1,103.23	1/4	737.10	1/4	372.01	1/4	49.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,194.15	1/2	1,827.93	1/2	1,461.85	1/2	1,095.61	1/2	729.47	1/2	364.61	1/2	43.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,186.52	3/4	1,820.30	3/4	1,454.22	3/4	1,087.98	3/4	721.84	3/4	357.20	3/4	37.06	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
6	2,178.89	6	1,812.69	6	1,446.59	6	1,080.36	6	714.21	6	349.89	6	31.80	6		6		6		6	
1/4	2,171.26	1/4	1,805.07	1/4	1,438.96	1/4	1,072.73	1/4	706.58	1/4	342.58	1/4	26.53	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,163.63	1/2	1,797.45	1/2	1,431.33	1/2	1,065.11	1/2	698.95	1/2	335.27	1/2	21.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,156.00	3/4	1,789.84	3/4	1,423.70	3/4	1,057.48	3/4	691.32	3/4	327.95	3/4	16.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
7	2,148.37	7	1,782.22	7	1,416.06	7	1,049.86	7	683.69	7	320.73	7	12.73	7		7		7		7	
1/4	2,140.74	1/4	1,774.60	1/4	1,408.43	1/4	1,042.23	1/4	676.06	1/4	313.51	1/4	9.46	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,133.11	1/2	1,766.98	1/2	1,400.80	1/2	1,034.61	1/2	668.42	1/2	306.29	1/2	6.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,125.48	3/4	1,759.37	3/4	1,393.17	3/4	1,026.98	3/4	660.79	3/4	299.06	3/4	2.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
8	2,117.85	8	1,751.75	8	1,385.54	8	1,019.35	8	653.16	8	291.93	8		8		8		8		8	
1/4	2,110.22	1/4	1,744.13	1/4	1,377.91	1/4	1,011.73	1/4	645.53	1/4	284.80	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,102.59	1/2	1,736.52	1/2	1,370.28	1/2	1,004.10	1/2	637.90	1/2	277.67	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,094.96	3/4	1,728.90	3/4	1,362.65	3/4	996.48	3/4	630.27	3/4	270.54	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
9	2,087.33	9	1,721.28	9	1,355.02	9	988.85	9	622.64	9	262.64	9		9		9		9		9	
1/4	2,079.70	1/4	1,713.65	1/4	1,347.39	1/4	981.23	1/4	615.01	1/4	256.49	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,072.07	1/2	1,706.03	1/2	1,339.76	1/2	973.60	1/2	607.38	1/2	249.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,064.44	3/4	1,698.40	3/4	1,332.13	3/4	965.98	3/4	599.75	3/4	242.43	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
10	2,056.81	10	1,690.77	10	1,324.49	10	958.35	10	592.12	10	235.49	10		10		10		10		10	
1/4	2,049.18	1/4	1,683.14	1/4	1,316.86	1/4	950.73	1/4	584.49	1/4	228.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,041.55	1/2	1,675.51	1/2	1,309.23	1/2	943.10	1/2	576.86	1/2	221.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,033.92	3/4	1,667.88	3/4	1,301.60	3/4	935.48	3/4	569.23	3/4	214.69	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
11	2,026.29	11	1,660.25	11	1,293.97	11	927.85	11	561.60	11	207.84	11		11		11		11		11	
1/4	2,018.66	1/4	1,652.62	1/4	1,286.34	1/4	920.22	1/4	553.97	1/4	201.00	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,011.03	1/2	1,644.99	1/2	1,278.71	1/2	912.60	1/2	546.34	1/2	194.15	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,003.40	3/4	1,637.36	3/4	1,271.08	3/4	904.97	3/4	538.70	3/4	187.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/04/2007 CL - SW
CALCULATED: 01/05/2007 CL
PRINTED: 01/05/2007 CL

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ALL PRIOR TO 01/2007

PRECISION MEASUREMENT
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Pearland, Texas 77588
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BARGE "KIRBY 28720"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/8"

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	
0		0		0		0		0	4,560.57	0	4,220.11	0	3,861.59	0	3,497.93	0	3,134.28	0	2,770.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,553.66	1/4	4,212.81	1/4	3,854.01	1/4	3,490.36	1/4	3,126.70	1/4	2,763.02
1/2	1/2	1/2	1/2	5/8	5/8	1/2	1/2	1/2	4,859.52	1/2	4,546.75	1/2	4,205.50	1/2	3,846.43	1/2	3,482.78	1/2	3,119.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,857.31	3/4	4,539.83	3/4	4,198.20	3/4	3,838.86	3/4	3,475.20	3/4	3,111.55
1		1		1		1		1	4,852.89	1	4,532.92	1	4,190.89	1	3,831.28	1	3,467.63	1	3,103.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,847.37	1/4	4,525.97	1/4	4,183.56	1/4	3,823.70	1/4	3,460.05	1/4	3,096.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,841.84	1/2	4,519.02	1/2	4,176.22	1/2	3,816.13	1/2	3,452.48	1/2	3,088.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,836.31	3/4	4,512.08	3/4	4,168.88	3/4	3,808.55	3/4	3,444.90	3/4	3,081.25
2		2		2		2		2	4,830.78	2	4,505.13	2	4,161.55	2	3,800.98	2	3,437.32	2	3,073.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,824.00	1/4	4,498.15	1/4	4,154.18	1/4	3,793.40	1/4	3,429.75	1/4	3,066.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,817.21	1/2	4,491.17	1/2	4,146.81	1/2	3,785.82	1/2	3,422.17	1/2	3,058.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,810.42	3/4	4,484.19	3/4	4,139.44	3/4	3,778.25	3/4	3,414.60	3/4	3,050.94
3		3		3		3		3	4,803.63	3	4,477.21	3	4,132.07	3	3,770.67	3	3,407.02	3	3,043.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,796.99	1/4	4,470.20	1/4	4,124.67	1/4	3,763.10	1/4	3,399.44	1/4	3,035.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,790.36	1/2	4,463.19	1/2	4,117.27	1/2	3,755.52	1/2	3,391.87	1/2	3,028.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,783.73	3/4	4,456.18	3/4	4,109.87	3/4	3,747.94	3/4	3,384.29	3/4	3,020.64
4		4		4		4		4	4,777.09	4	4,449.16	4	4,102.47	4	3,740.37	4	3,376.71	4	3,013.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,770.45	1/4	4,442.12	1/4	4,095.03	1/4	3,732.79	1/4	3,369.14	1/4	3,005.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,763.81	1/2	4,435.08	1/2	4,087.60	1/2	3,725.22	1/2	3,361.56	1/2	2,997.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,757.17	3/4	4,428.03	3/4	4,080.16	3/4	3,717.64	3/4	3,353.99	3/4	2,990.33
5		5		5		5		5	4,750.53	5	4,420.99	5	4,072.73	5	3,710.06	5	3,346.41	5	2,982.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,743.84	1/4	4,413.91	1/4	4,065.26	1/4	3,702.49	1/4	3,338.83	1/4	2,975.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,737.16	1/2	4,406.83	1/2	4,057.80	1/2	3,694.91	1/2	3,331.26	1/2	2,967.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,730.48	3/4	4,399.76	3/4	4,050.33	3/4	3,687.34	3/4	3,323.68	3/4	2,960.03
6		6		6		6		6	4,723.79	6	4,392.68	6	4,042.86	6	3,679.76	6	3,316.11	6	2,952.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,717.07	1/4	4,385.57	1/4	4,035.36	1/4	3,672.18	1/4	3,308.53	1/4	2,944.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,710.35	1/2	4,378.46	1/2	4,027.87	1/2	3,664.61	1/2	3,300.95	1/2	2,937.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,703.63	3/4	4,371.35	3/4	4,020.37	3/4	3,657.03	3/4	3,293.38	3/4	2,929.73
7		7		7		7		7	4,696.92	7	4,364.24	7	4,012.87	7	3,649.45	7	3,285.80	7	2,922.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,690.16	1/4	4,357.10	1/4	4,005.34	1/4	3,641.88	1/4	3,278.23	1/4	2,914.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,683.41	1/2	4,349.96	1/2	3,997.81	1/2	3,634.30	1/2	3,270.65	1/2	2,907.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,676.66	3/4	4,342.82	3/4	3,990.27	3/4	3,626.73	3/4	3,263.07	3/4	2,899.42
8		8		8		8		8	4,669.91	8	4,335.68	8	3,982.74	8	3,619.15	8	3,255.50	8	2,891.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,663.12	1/4	4,328.50	1/4	3,975.18	1/4	3,611.57	1/4	3,247.92	1/4	2,884.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,656.34	1/2	4,321.33	1/2	3,967.61	1/2	3,604.00	1/2	3,240.35	1/2	2,876.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,649.55	3/4	4,314.15	3/4	3,960.05	3/4	3,596.42	3/4	3,232.77	3/4	2,869.12
9		9		9		9		9	4,642.77	9	4,306.98	9	3,952.49	9	3,588.85	9	3,225.19	9	2,861.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,635.95	1/4	4,299.77	1/4	3,944.91	1/4	3,581.27	1/4	3,217.62	1/4	2,853.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,629.13	1/2	4,292.57	1/2	3,937.34	1/2	3,573.69	1/2	3,210.04	1/2	2,846.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,622.32	3/4	4,285.36	3/4	3,929.77	3/4	3,566.12	3/4	3,202.46	3/4	2,838.81
10		10		10		10		10	4,615.50	10	4,278.15	10	3,922.19	10	3,558.54	10	3,194.89	10	2,831.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,608.65	1/4	4,270.91	1/4	3,914.62	1/4	3,550.97	1/4	3,187.31	1/4	2,823.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,601.80	1/2	4,263.67	1/2	3,907.04	1/2	3,543.39	1/2	3,179.74	1/2	2,816.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,594.95	3/4	4,256.44	3/4	3,899.47	3/4	3,535.81	3/4	3,172.16	3/4	2,808.50
11		11		11		11		11	4,588.10	11	4,249.20	11	3,891.89	11	3,528.24	11	3,164.58	11	2,800.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,581.22	1/4	4,241.92	1/4	3,884.31	1/4	3,520.66	1/4	3,157.01	1/4	2,793.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,574.34	1/2	4,234.65	1/2	3,876.74	1/2	3,513.08	1/2	3,149.43	1/2	2,785.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,567.46	3/4	4,227.38	3/4	3,869.16	3/4	3,505.51	3/4	3,141.86	3/4	2,778.18

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 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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 Pearland, Texas 77588
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BARGE "KIRBY 28720"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/8"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,406.75	0	2,042.91	0	1,679.06	0	1,316.36	0	967.70	0	603.99	0	240.31	0		0		0	
1/4	2,399.17	1/4	2,035.33	1/4	1,671.48	1/4	1,309.11	1/4	960.13	1/4	596.41	1/4	232.95	1/4		1/4		1/4	
1/2	2,391.59	1/2	2,027.75	1/2	1,663.90	1/2	1,301.86	1/2	952.57	1/2	588.83	1/2	225.59	1/2		1/2		1/2	
3/4	2,384.01	3/4	2,020.17	3/4	1,656.32	3/4	1,294.61	3/4	945.00	3/4	581.25	3/4	218.24	3/4		3/4		3/4	
1	2,376.43	1	2,012.59	1	1,648.74	1	1,287.35	1	937.44	1	573.67	1	210.88	1		1		1	
1/4	2,368.85	1/4	2,005.01	1/4	1,641.16	1/4	1,280.10	1/4	929.87	1/4	566.09	1/4	203.56	1/4		1/4		1/4	
1/2	2,361.27	1/2	1,997.43	1/2	1,633.58	1/2	1,272.85	1/2	922.31	1/2	558.51	1/2	196.24	1/2		1/2		1/2	
3/4	2,353.69	3/4	1,989.85	3/4	1,626.00	3/4	1,265.59	3/4	914.74	3/4	550.93	3/4	188.91	3/4		3/4		3/4	
2	2,346.11	2	1,982.27	2	1,618.42	2	1,258.34	2	907.17	2	543.35	2	181.59	2		2		2	
1/4	2,338.53	1/4	1,974.69	1/4	1,610.84	1/4	1,251.09	1/4	899.60	1/4	535.77	1/4	174.28	1/4		1/4		1/4	
1/2	2,330.95	1/2	1,967.11	1/2	1,603.26	1/2	1,243.84	1/2	892.02	1/2	528.19	1/2	166.96	1/2		1/2		1/2	
3/4	2,323.37	3/4	1,959.53	3/4	1,595.68	3/4	1,236.58	3/4	884.44	3/4	520.61	3/4	159.65	3/4		3/4		3/4	
3	2,315.79	3	1,951.95	3	1,588.10	3	1,229.33	3	876.86	3	513.03	3	152.33	3		3		3	
1/4	2,308.21	1/4	1,944.37	1/4	1,580.52	1/4	1,222.08	1/4	869.28	1/4	505.45	1/4	145.03	1/4		1/4		1/4	
1/2	2,300.63	1/2	1,936.79	1/2	1,572.94	1/2	1,214.82	1/2	861.70	1/2	497.87	1/2	137.73	1/2		1/2		1/2	
3/4	2,293.05	3/4	1,929.21	3/4	1,565.36	3/4	1,207.57	3/4	854.12	3/4	490.29	3/4	130.43	3/4		3/4		3/4	
4	2,285.47	4	1,921.63	4	1,557.78	4	1,200.32	4	846.54	4	482.71	4	123.13	4		4		4	
1/4	2,277.89	1/4	1,914.05	1/4	1,550.20	1/4	1,193.08	1/4	838.96	1/4	475.13	1/4	115.84	1/4		1/4		1/4	
1/2	2,270.31	1/2	1,906.47	1/2	1,542.62	1/2	1,185.85	1/2	831.38	1/2	467.55	1/2	108.56	1/2		1/2		1/2	
3/4	2,262.73	3/4	1,898.89	3/4	1,535.04	3/4	1,178.61	3/4	823.80	3/4	459.97	3/4	101.27	3/4		3/4		3/4	
5	2,255.15	5	1,891.31	5	1,527.46	5	1,171.38	5	816.22	5	452.39	5	93.98	5		5		5	
1/4	2,247.57	1/4	1,883.73	1/4	1,519.88	1/4	1,164.14	1/4	808.64	1/4	444.81	1/4	86.73	1/4		1/4		1/4	
1/2	2,239.99	1/2	1,876.15	1/2	1,512.30	1/2	1,156.91	1/2	801.06	1/2	437.23	1/2	79.48	1/2		1/2		1/2	
3/4	2,232.41	3/4	1,868.57	3/4	1,504.72	3/4	1,149.68	3/4	793.48	3/4	429.65	3/4	72.22	3/4		3/4		3/4	
6	2,224.83	6	1,860.98	6	1,497.14	6	1,142.44	6	785.90	6	422.07	6	64.97	6		6		6	
1/4	2,217.25	1/4	1,853.40	1/4	1,489.56	1/4	1,135.21	1/4	778.32	1/4	414.49	1/4	58.27	1/4		1/4		1/4	
1/2	2,209.67	1/2	1,845.82	1/2	1,481.98	1/2	1,127.98	1/2	770.74	1/2	406.91	1/2	51.56	1/2		1/2		1/2	
3/4	2,202.09	3/4	1,838.24	3/4	1,474.40	3/4	1,120.74	3/4	763.16	3/4	399.33	3/4	44.86	3/4		3/4		3/4	
7	2,194.51	7	1,830.66	7	1,466.82	7	1,113.51	7	755.58	7	391.75	7	38.15	7		7		7	
1/4	2,186.93	1/4	1,823.08	1/4	1,459.24	1/4	1,106.28	1/4	748.00	1/4	384.17	1/4	33.18	1/4		1/4		1/4	
1/2	2,179.35	1/2	1,815.50	1/2	1,451.66	1/2	1,099.04	1/2	740.42	1/2	376.59	1/2	28.21	1/2		1/2		1/2	
3/4	2,171.77	3/4	1,807.92	3/4	1,444.08	3/4	1,091.81	3/4	732.84	3/4	369.01	3/4	23.23	3/4		3/4		3/4	
8	2,164.19	8	1,800.34	8	1,436.50	8	1,084.58	8	725.26	8	361.43	8	18.26	8		8		8	
1/4	2,156.61	1/4	1,792.76	1/4	1,428.92	1/4	1,077.34	1/4	717.69	1/4	353.85	1/8	15.89	1/4		1/4		1/4	
1/2	2,149.03	1/2	1,785.18	1/2	1,421.34	1/2	1,070.11	1/2	710.11	1/2	346.27	1/2		1/2		1/2		1/2	
3/4	2,141.45	3/4	1,777.60	3/4	1,413.76	3/4	1,062.88	3/4	702.53	3/4	338.69	3/4		3/4		3/4		3/4	
9	2,133.87	9	1,770.02	9	1,406.18	9	1,055.64	9	694.95	9	331.11	9		9		9		9	
1/4	2,126.29	1/4	1,762.44	1/4	1,398.60	1/4	1,048.41	1/4	687.37	1/4	323.54	1/4		1/4		1/4		1/4	
1/2	2,118.71	1/2	1,754.86	1/2	1,391.02	1/2	1,041.18	1/2	679.79	1/2	315.97	1/2		1/2		1/2		1/2	
3/4	2,111.13	3/4	1,747.28	3/4	1,383.44	3/4	1,033.94	3/4	672.21	3/4	308.41	3/4		3/4		3/4		3/4	
10	2,103.55	10	1,739.70	10	1,375.86	10	1,026.71	10	664.63	10	300.84	10		10		10		10	
1/4	2,095.97	1/4	1,732.12	1/4	1,368.28	1/4	1,019.48	1/4	657.05	1/4	293.27	1/4		1/4		1/4		1/4	
1/2	2,088.39	1/2	1,724.54	1/2	1,360.70	1/2	1,012.24	1/2	649.47	1/2	285.71	1/2		1/2		1/2		1/2	
3/4	2,080.81	3/4	1,716.96	3/4	1,353.12	3/4	1,005.01	3/4	641.89	3/4	278.14	3/4		3/4		3/4		3/4	
11	2,073.23	11	1,709.38	11	1,345.54	11	997.78	11	634.31	11	270.57	11		11		11		11	
1/4	2,065.65	1/4	1,701.80	1/4	1,338.24	1/4	990.26	1/4	626.73	1/4	263.01	1/4		1/4		1/4		1/4	
1/2	2,058.07	1/2	1,694.22	1/2	1,330.95	1/2	982.74	1/2	619.15	1/2	255.44	1/2		1/2		1/2		1/2	
3/4	2,050.49	3/4	1,686.64	3/4	1,323.66	3/4	975.22	3/4	611.57	3/4	247.87	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/04/2007 CL - SW
CALCULATED: 01/05/2007 CL
PRINTED: 01/05/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2007

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



BARGE "KIRBY 28720"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

Table with columns for gauge height (0 to 9 FT.) and rows for ullage depth (0 to 3/4). Each cell contains capacity values for 1/4, 1/2, and 3/4 gauge heights.

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 52'-06" FORWARD OF AFT BULKHEAD.

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BARGE "KIRBY 28720"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,411.01	0	2,047.04	0	1,684.77	0	1,320.75	0	956.91	0	592.90	0	229.31	0		0		0	
1/4	2,403.43	1/4	2,039.46	1/4	1,677.19	1/4	1,313.17	1/4	949.33	1/4	585.32	1/4	221.98	1/4		1/4		1/4	
1/2	2,395.84	1/2	2,031.87	1/2	1,669.60	1/2	1,305.59	1/2	941.74	1/2	577.73	1/2	214.65	1/2		1/2		1/2	
3/4	2,388.26	3/4	2,024.29	3/4	1,662.02	3/4	1,298.00	3/4	934.16	3/4	570.15	3/4	207.32	3/4		3/4		3/4	
1	2,380.68	1	2,016.71	1	1,654.44	1	1,290.42	1	926.58	1	562.57	1	199.99	1		1		1	
1/4	2,373.09	1/4	2,009.12	1/4	1,646.85	1/4	1,282.84	1/4	918.99	1/4	554.98	1/4	192.67	1/4		1/4		1/4	
1/2	2,365.51	1/2	2,001.54	1/2	1,639.27	1/2	1,275.25	1/2	911.41	1/2	547.40	1/2	185.34	1/2		1/2		1/2	
3/4	2,357.93	3/4	1,993.96	3/4	1,631.69	3/4	1,267.67	3/4	903.82	3/4	539.82	3/4	178.02	3/4		3/4		3/4	
2	2,350.35	2	1,986.38	2	1,624.10	2	1,260.08	2	896.24	2	532.23	2	170.70	2		2		2	
1/4	2,342.76	1/4	1,978.79	1/4	1,616.52	1/4	1,252.50	1/4	888.66	1/4	524.65	1/4	163.38	1/4		1/4		1/4	
1/2	2,335.18	1/2	1,971.21	1/2	1,608.93	1/2	1,244.92	1/2	881.07	1/2	517.07	1/2	156.07	1/2		1/2		1/2	
3/4	2,327.60	3/4	1,963.63	3/4	1,601.35	3/4	1,237.33	3/4	873.49	3/4	509.48	3/4	148.75	3/4		3/4		3/4	
3	2,320.02	3	1,956.05	3	1,593.77	3	1,229.75	3	865.91	3	501.90	3	141.45	3		3		3	
1/4	2,312.43	1/4	1,948.46	1/4	1,586.18	1/4	1,222.17	1/4	858.32	1/4	494.32	1/4	134.15	1/4		1/4		1/4	
1/2	2,304.85	1/2	1,940.88	1/2	1,578.60	1/2	1,214.58	1/2	850.74	1/2	486.73	1/2	126.84	1/2		1/2		1/2	
3/4	2,297.27	3/4	1,933.30	3/4	1,571.02	3/4	1,207.00	3/4	843.16	3/4	479.15	3/4	119.54	3/4		3/4		3/4	
4	2,289.68	4	1,925.72	4	1,563.43	4	1,199.42	4	835.57	4	471.57	4	112.25	4		4		4	
1/4	2,282.10	1/4	1,918.13	1/4	1,555.85	1/4	1,191.84	1/4	827.99	1/4	463.98	1/4	104.96	1/4		1/4		1/4	
1/2	2,274.52	1/2	1,910.55	1/2	1,548.26	1/2	1,184.26	1/2	820.41	1/2	456.40	1/2	97.67	1/2		1/2		1/2	
3/4	2,266.94	3/4	1,902.97	3/4	1,540.68	3/4	1,176.69	3/4	812.82	3/4	448.81	3/4	90.38	3/4		3/4		3/4	
5	2,259.35	5	1,895.44	5	1,533.10	5	1,169.11	5	805.24	5	441.23	5	83.13	5		5		5	
1/4	2,251.77	1/4	1,887.91	1/4	1,525.51	1/4	1,161.53	1/4	797.66	1/4	433.65	1/4	75.88	1/4		1/4		1/4	
1/2	2,244.19	1/2	1,880.38	1/2	1,517.93	1/2	1,153.95	1/2	790.07	1/2	426.06	1/2	68.63	1/2		1/2		1/2	
3/4	2,236.61	3/4	1,872.85	3/4	1,510.35	3/4	1,146.37	3/4	782.49	3/4	418.48	3/4	61.38	3/4		3/4		3/4	
6	2,229.02	6	1,865.38	6	1,502.76	6	1,138.79	6	774.91	6	410.90	6	54.75	6		6		6	
1/4	2,221.44	1/4	1,857.90	1/4	1,495.18	1/4	1,131.22	1/4	767.32	1/4	403.31	1/4	48.12	1/4		1/4		1/4	
1/2	2,213.86	1/2	1,850.42	1/2	1,487.60	1/2	1,123.64	1/2	759.74	1/2	395.73	1/2	41.49	1/2		1/2		1/2	
3/4	2,206.28	3/4	1,842.95	3/4	1,480.01	3/4	1,116.06	3/4	752.15	3/4	388.15	3/4	34.86	3/4		3/4		3/4	
7	2,198.69	7	1,835.47	7	1,472.43	7	1,108.48	7	744.57	7	380.56	7	30.12	7		7		7	
1/4	2,191.11	1/4	1,828.00	1/4	1,464.84	1/4	1,100.90	1/4	736.99	1/4	372.98	1/4	25.38	1/4		1/4		1/4	
1/2	2,183.53	1/2	1,820.52	1/2	1,457.26	1/2	1,093.32	1/2	729.40	1/2	365.40	1/2	20.64	1/2		1/2		1/2	
3/4	2,175.94	3/4	1,813.05	3/4	1,449.68	3/4	1,085.75	3/4	721.82	3/4	357.81	3/4	15.90	3/4		3/4		3/4	
8	2,168.36	8	1,805.57	8	1,442.09	8	1,078.17	8	714.24	8	350.23	8		8		8		8	
1/4	2,160.78	1/4	1,798.10	1/4	1,434.51	1/4	1,070.59	1/4	706.65	1/4	342.65	1/4		1/4		1/4		1/4	
1/2	2,153.20	1/2	1,790.62	1/2	1,426.93	1/2	1,063.01	1/2	699.07	1/2	335.06	1/2		1/2		1/2		1/2	
3/4	2,145.61	3/4	1,783.15	3/4	1,419.34	3/4	1,055.43	3/4	691.49	3/4	327.48	3/4		3/4		3/4		3/4	
9	2,138.03	9	1,775.62	9	1,411.76	9	1,047.85	9	683.90	9	319.91	9		9		9		9	
1/4	2,130.45	1/4	1,768.09	1/4	1,404.17	1/4	1,040.28	1/4	676.32	1/4	312.34	1/4		1/4		1/4		1/4	
1/2	2,122.87	1/2	1,760.56	1/2	1,396.59	1/2	1,032.70	1/2	668.74	1/2	304.77	1/2		1/2		1/2		1/2	
3/4	2,115.28	3/4	1,753.02	3/4	1,389.01	3/4	1,025.12	3/4	661.15	3/4	297.20	3/4		3/4		3/4		3/4	
10	2,107.70	10	1,745.44	10	1,381.42	10	1,017.54	10	653.57	10	289.63	10		10		10		10	
1/4	2,100.12	1/4	1,737.86	1/4	1,373.84	1/4	1,009.96	1/4	645.99	1/4	282.06	1/4		1/4		1/4		1/4	
1/2	2,092.53	1/2	1,730.27	1/2	1,366.26	1/2	1,002.38	1/2	638.40	1/2	274.49	1/2		1/2		1/2		1/2	
3/4	2,084.95	3/4	1,722.69	3/4	1,358.67	3/4	994.81	3/4	630.82	3/4	266.92	3/4		3/4		3/4		3/4	
11	2,077.37	11	1,715.11	11	1,351.09	11	987.23	11	623.24	11	259.35	11		11		11		11	
1/4	2,069.79	1/4	1,707.52	1/4	1,343.50	1/4	979.65	1/4	615.65	1/4	251.78	1/4		1/4		1/4		1/4	
1/2	2,062.20	1/2	1,699.94	1/2	1,335.92	1/2	972.07	1/2	608.07	1/2	244.21	1/2		1/2		1/2		1/2	
3/4	2,054.62	3/4	1,692.36	3/4	1,328.34	3/4	964.49	3/4	600.48	3/4	236.64	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/04/2007 CL - SW
CALCULATED: 01/05/2007 CL
PRINTED: 01/05/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2007

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



BARGE "KIRBY 28720"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	
0		0		0		0		0	4,242.18	0	3,984.84	0	3,709.50	0	3,408.22	0	3,044.10	0	2,680.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,237.02	1/4	3,979.28	1/4	3,703.66	1/4	3,400.63	1/4	3,036.51	1/4	2,672.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,464.72	1/2	4,231.85	1/2	3,973.73	1/2	3,697.82	1/2	3,393.05	1/2	3,028.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,461.41	3/4	4,226.65	3/4	3,968.14	3/4	3,691.98	3/4	3,385.46	3/4	3,021.34
1		1		1		1		1	4,458.10	1	4,221.45	1	3,962.55	1	3,686.14	1	3,377.88	1	3,013.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,454.79	1/4	4,216.25	1/4	3,956.96	1/4	3,680.30	1/4	3,370.29	1/4	3,006.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,451.48	1/2	4,211.05	1/2	3,951.37	1/2	3,674.46	1/2	3,362.71	1/2	2,998.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,446.91	3/4	4,205.82	3/4	3,945.75	3/4	3,668.62	3/4	3,355.12	3/4	2,991.00
2		2		2		2		2	4,442.33	2	4,200.59	2	3,940.13	2	3,662.78	2	3,347.53	2	2,983.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,437.76	1/4	4,195.36	1/4	3,934.51	1/4	3,656.94	1/4	3,339.95	1/4	2,975.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,433.18	1/2	4,190.13	1/2	3,928.89	1/2	3,651.10	1/2	3,332.36	1/2	2,968.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,428.15	3/4	4,184.86	3/4	3,923.23	3/4	3,645.26	3/4	3,324.78	3/4	2,960.65
3		3		3		3		3	4,423.12	3	4,179.60	3	3,917.58	3	3,639.42	3	3,317.19	3	2,953.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,418.08	1/4	4,174.34	1/4	3,911.93	1/4	3,633.58	1/4	3,309.60	1/4	2,945.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,413.05	1/2	4,169.07	1/2	3,906.27	1/2	3,627.74	1/2	3,302.02	1/2	2,937.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,408.17	3/4	4,163.78	3/4	3,900.59	3/4	3,621.90	3/4	3,294.43	3/4	2,930.31
4		4		4		4		4	4,403.29	4	4,158.48	4	3,894.90	4	3,616.06	4	3,286.85	4	2,922.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,398.40	1/4	4,153.18	1/4	3,889.21	1/4	3,610.22	1/4	3,279.26	1/4	2,915.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,393.52	1/2	4,147.89	1/2	3,883.53	1/2	3,604.38	1/2	3,271.67	1/2	2,907.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,388.59	3/4	4,142.56	3/4	3,877.81	3/4	3,598.54	3/4	3,264.09	3/4	2,899.97
5		5		5		5		5	4,383.65	5	4,137.23	5	3,872.09	5	3,592.70	5	3,256.50	5	2,892.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,378.72	1/4	4,131.90	1/4	3,866.37	1/4	3,586.86	1/4	3,248.92	1/4	2,884.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,373.78	1/2	4,126.57	1/2	3,860.65	1/2	3,581.02	1/2	3,241.33	1/2	2,877.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,368.81	3/4	4,121.21	3/4	3,854.90	3/4	3,575.18	3/4	3,233.75	3/4	2,869.63
6		6		6		6		6	4,363.84	6	4,115.85	6	3,849.15	6	3,569.34	6	3,226.16	6	2,862.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,358.87	1/4	4,110.49	1/4	3,843.40	1/4	3,563.49	1/4	3,218.57	1/4	2,854.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,353.90	1/2	4,105.13	1/2	3,837.65	1/2	3,557.65	1/2	3,210.99	1/2	2,846.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,348.89	3/4	4,099.73	3/4	3,831.87	3/4	3,551.81	3/4	3,203.40	3/4	2,839.30
7		7		7		7		7	4,343.89	7	4,094.34	7	3,826.08	7	3,545.97	7	3,195.82	7	2,831.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,338.89	1/4	4,088.94	1/4	3,820.30	1/4	3,540.13	1/4	3,188.23	1/4	2,824.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,333.88	1/2	4,083.55	1/2	3,814.52	1/2	3,534.29	1/2	3,180.64	1/2	2,816.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,328.84	3/4	4,078.12	3/4	3,808.70	3/4	3,528.45	3/4	3,173.06	3/4	2,808.98
8		8		8		8		8	4,323.81	8	4,072.70	8	3,802.88	8	3,522.61	8	3,165.47	8	2,801.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,318.77	1/4	4,067.27	1/4	3,797.07	1/4	3,516.77	1/4	3,157.89	1/4	2,793.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,313.73	1/2	4,061.84	1/2	3,791.25	1/2	3,510.93	1/2	3,150.30	1/2	2,786.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,308.67	3/4	4,056.39	3/4	3,785.42	3/4	3,504.22	3/4	3,142.71	3/4	2,778.67
9		9		9		9		9	4,303.60	9	4,050.93	9	3,779.58	9	3,497.51	9	3,135.13	9	2,771.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,298.53	1/4	4,045.47	1/4	3,773.74	1/4	3,490.79	1/4	3,127.54	1/4	2,763.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,293.46	1/2	4,040.01	1/2	3,767.91	1/2	3,484.08	1/2	3,119.96	1/2	2,755.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,288.36	3/4	4,034.52	3/4	3,762.07	3/4	3,476.49	3/4	3,112.37	3/4	2,748.35
10		10		10		10		10	4,283.26	10	4,029.03	10	3,756.22	10	3,468.91	10	3,104.78	10	2,740.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,278.15	1/4	4,023.54	1/4	3,750.38	1/4	3,461.32	1/4	3,097.20	1/4	2,733.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,273.05	1/2	4,018.04	1/2	3,744.54	1/2	3,453.74	1/2	3,089.61	1/2	2,725.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,267.92	3/4	4,012.52	3/4	3,738.70	3/4	3,446.15	3/4	3,082.03	3/4	2,718.02
11		11		11		11		11	4,262.78	11	4,007.00	11	3,732.86	11	3,438.56	11	3,074.44	11	2,710.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,257.65	1/4	4,001.47	1/4	3,727.02	1/4	3,430.98	1/4	3,066.86	1/4	2,702.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,252.52	1/2	3,995.95	1/2	3,721.18	1/2	3,423.39	1/2	3,059.27	1/2	2,695.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,247.35	3/4	3,990.39	3/4	3,715.34	3/4	3,415.81	3/4	3,051.68	3/4	2,687.69

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 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28720"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,315.78	0	1,952.31	0	1,588.68	0	1,224.45	0	870.08	0	510.45	0	146.89	0		0		0	
1/4	2,308.19	1/4	1,944.76	1/4	1,581.09	1/4	1,216.86	1/4	862.80	1/4	502.88	1/4	139.74	1/4		1/4		1/4	
1/2	2,300.60	1/2	1,937.20	1/2	1,573.50	1/2	1,209.27	1/2	855.52	1/2	495.30	1/2	132.58	1/2		1/2		1/2	
3/4	2,293.01	3/4	1,929.64	3/4	1,565.91	3/4	1,201.68	3/4	848.24	3/4	487.73	3/4	126.50	3/4		3/4		3/4	
1	2,285.42	1	1,922.08	1	1,558.33	1	1,194.10	1	840.96	1	480.15	1	120.42	1		1		1	
1/4	2,277.82	1/4	1,914.52	1/4	1,550.74	1/4	1,186.51	1/4	833.67	1/4	472.58	1/4	114.34	1/4		1/4		1/4	
1/2	2,270.23	1/2	1,906.96	1/2	1,543.15	1/2	1,178.92	1/2	826.39	1/2	465.00	1/2	108.26	1/2		1/2		1/2	
3/4	2,262.64	3/4	1,899.40	3/4	1,535.56	3/4	1,171.33	3/4	819.10	3/4	457.43	3/4	103.45	3/4		3/4		3/4	
2	2,255.05	2	1,891.85	2	1,527.97	2	1,163.74	2	811.81	2	449.85	2	98.64	2		2		2	
1/4	2,247.46	1/4	1,884.29	1/4	1,520.38	1/4	1,156.16	1/4	804.52	1/4	442.28	1/4	93.84	1/4		1/4		1/4	
1/2	2,239.87	1/2	1,876.73	1/2	1,512.80	1/2	1,148.57	1/2	797.23	1/2	434.70	1/2	89.03	1/2		1/2		1/2	
3/4	2,232.28	3/4	1,869.17	3/4	1,505.21	3/4	1,140.98	3/4	789.92	3/4	427.12	3/4	85.51	3/4		3/4		3/4	
3	2,224.68	3	1,861.61	3	1,497.62	3	1,133.39	3	782.62	3	419.53	3	81.98	3		3		3	
1/4	2,217.09	1/4	1,854.05	1/4	1,490.03	1/4	1,125.80	1/4	775.31	1/4	411.95	1/4	78.45	1/4		1/4		1/4	
1/2	2,209.50	1/2	1,846.50	1/2	1,482.44	1/2	1,118.22	1/2	768.00	1/2	404.36	1/2	74.93	1/2		1/2		1/2	
3/4	2,201.91	3/4	1,838.94	3/4	1,474.86	3/4	1,110.77	3/4	760.55	3/4	396.77	3/4	72.68	3/4		3/4		3/4	
4	2,194.32	4	1,831.38	4	1,467.27	4	1,103.33	4	753.10	4	389.18	4	70.44	4		4		4	
1/4	2,186.73	1/4	1,823.82	1/4	1,459.68	1/4	1,095.89	1/4	745.64	1/4	381.58	1/4	68.19	1/4		1/4		1/4	
1/2	2,179.14	1/2	1,816.26	1/2	1,452.09	1/2	1,088.45	1/2	738.19	1/2	373.99	1/2	65.95	1/2		1/2		1/2	
3/4	2,171.56	3/4	1,808.69	3/4	1,444.50	3/4	1,081.16	3/4	730.59	3/4	366.39	3/4	65.00	3/4		3/4		3/4	
5	2,163.99	5	1,801.11	5	1,436.92	5	1,073.88	5	723.00	5	358.79	5	64.05	5		5		5	
1/4	2,156.41	1/4	1,793.54	1/4	1,429.33	1/4	1,066.59	1/4	715.41	1/4	351.19	1/4	63.09	1/4		1/4		1/4	
1/2	2,148.84	1/2	1,785.97	1/2	1,421.74	1/2	1,059.30	1/2	707.81	1/2	343.59	1/2	62.14	1/2		1/2		1/2	
3/4	2,141.28	3/4	1,778.38	3/4	1,414.15	3/4	1,052.03	3/4	700.22	3/4	335.99	3/4		3/4		3/4		3/4	
6	2,133.72	6	1,770.79	6	1,406.56	6	1,044.75	6	692.62	6	328.38	6		6		6		6	
1/4	2,126.16	1/4	1,763.20	1/4	1,398.98	1/4	1,037.47	1/4	685.03	1/4	320.78	1/4		1/4		1/4		1/4	
1/2	2,118.60	1/2	1,755.62	1/2	1,391.39	1/2	1,030.19	1/2	677.44	1/2	313.17	1/2		1/2		1/2		1/2	
3/4	2,111.04	3/4	1,748.03	3/4	1,383.80	3/4	1,022.92	3/4	669.84	3/4	305.57	3/4		3/4		3/4		3/4	
7	2,103.48	7	1,740.44	7	1,376.21	7	1,015.64	7	662.25	7	297.96	7		7		7		7	
1/4	2,095.93	1/4	1,732.85	1/4	1,368.62	1/4	1,008.36	1/4	654.66	1/4	290.36	1/4		1/4		1/4		1/4	
1/2	2,088.37	1/2	1,725.26	1/2	1,361.03	1/2	1,001.08	1/2	647.06	1/2	282.75	1/2		1/2		1/2		1/2	
3/4	2,080.81	3/4	1,717.68	3/4	1,353.45	3/4	993.81	3/4	639.47	3/4	275.14	3/4		3/4		3/4		3/4	
8	2,073.25	8	1,710.09	8	1,345.86	8	986.53	8	631.88	8	267.54	8		8		8		8	
1/4	2,065.69	1/4	1,702.50	1/4	1,338.27	1/4	979.25	1/4	624.28	1/4	259.93	1/4		1/4		1/4		1/4	
1/2	2,058.13	1/2	1,694.91	1/2	1,330.68	1/2	971.97	1/2	616.69	1/2	252.33	1/2		1/2		1/2		1/2	
3/4	2,050.57	3/4	1,687.32	3/4	1,323.09	3/4	964.70	3/4	609.10	3/4	244.73	3/4		3/4		3/4		3/4	
9	2,043.02	9	1,679.73	9	1,315.51	9	957.42	9	601.50	9	237.13	9		9		9		9	
1/4	2,035.46	1/4	1,672.15	1/4	1,307.92	1/4	950.14	1/4	593.91	1/4	229.53	1/4		1/4		1/4		1/4	
1/2	2,027.90	1/2	1,664.56	1/2	1,300.33	1/2	942.86	1/2	586.31	1/2	221.94	1/2		1/2		1/2		1/2	
3/4	2,020.34	3/4	1,656.97	3/4	1,292.74	3/4	935.59	3/4	578.72	3/4	214.34	3/4		3/4		3/4		3/4	
10	2,012.78	10	1,649.38	10	1,285.15	10	928.31	10	571.13	10	206.75	10		10		10		10	
1/4	2,005.22	1/4	1,641.79	1/4	1,277.57	1/4	921.03	1/4	563.53	1/4	199.16	1/4		1/4		1/4		1/4	
1/2	1,997.67	1/2	1,634.21	1/2	1,269.98	1/2	913.75	1/2	555.94	1/2	191.57	1/2		1/2		1/2		1/2	
3/4	1,990.11	3/4	1,626.62	3/4	1,262.39	3/4	906.48	3/4	548.36	3/4	183.98	3/4		3/4		3/4		3/4	
11	1,982.55	11	1,619.03	11	1,254.80	11	899.20	11	540.77	11	176.39	11		11		11		11	
1/4	1,974.99	1/4	1,611.44	1/4	1,247.21	1/4	891.92	1/4	533.19	1/4	168.79	1/4		1/4		1/4		1/4	
1/2	1,967.43	1/2	1,603.85	1/2	1,239.63	1/2	884.64	1/2	525.60	1/2	161.20	1/2		1/2		1/2		1/2	
3/4	1,959.87	3/4	1,596.27	3/4	1,232.04	3/4	877.36	3/4	518.03	3/4	154.05	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/04/2007 CL - SW
CALCULATED: 01/05/2007 CL
PRINTED: 01/05/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2007

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



BARGE "KIRBY 28720"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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			
0		0		0		0		0	4,262.21	0	4,005.07	0	3,729.95	0	3,428.69	0	3,064.03	0	2,699.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,257.05	1/4	3,999.52	1/4	3,724.11	1/4	3,421.09	1/4	3,056.44	1/4	2,691.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,484.55	1/2	4,251.88	1/2	3,993.97	1/2	3,718.28	1/2	3,413.49	1/2	3,048.84	1/2	2,684.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,481.25	3/4	4,246.69	3/4	3,988.39	3/4	3,712.44	3/4	3,405.90	3/4	3,041.24	3/4	2,676.54
1		1		1		1		1	4,477.94	1	4,241.49	1	3,982.80	1	3,706.61	1	3,398.30	1	3,033.64	1	2,668.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,474.63	1/4	4,236.30	1/4	3,977.22	1/4	3,700.77	1/4	3,390.70	1/4	3,026.05	1/4	2,661.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,471.33	1/2	4,231.10	1/2	3,971.63	1/2	3,694.93	1/2	3,383.11	1/2	3,018.45	1/2	2,653.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,466.76	3/4	4,225.88	3/4	3,966.02	3/4	3,689.10	3/4	3,375.51	3/4	3,010.85	3/4	2,646.14
2		2		2		2		2	4,462.18	2	4,220.65	2	3,960.40	2	3,683.26	2	3,367.91	2	3,003.26	2	2,638.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,457.61	1/4	4,215.42	1/4	3,954.78	1/4	3,677.43	1/4	3,360.32	1/4	2,995.66	1/4	2,630.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,453.04	1/2	4,210.20	1/2	3,949.17	1/2	3,671.59	1/2	3,352.72	1/2	2,988.06	1/2	2,623.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,448.01	3/4	4,204.94	3/4	3,943.52	3/4	3,665.75	3/4	3,345.12	3/4	2,980.47	3/4	2,615.73
3		3		3		3		3	4,442.99	3	4,199.68	3	3,937.87	3	3,659.92	3	3,337.52	3	2,972.87	3	2,608.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,437.96	1/4	4,194.42	1/4	3,932.22	1/4	3,654.08	1/4	3,329.93	1/4	2,965.27	1/4	2,600.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,432.93	1/2	4,189.16	1/2	3,926.57	1/2	3,648.25	1/2	3,322.33	1/2	2,957.67	1/2	2,592.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,428.05	3/4	4,183.87	3/4	3,920.89	3/4	3,642.41	3/4	3,314.73	3/4	2,950.08	3/4	2,585.33
4		4		4		4		4	4,423.17	4	4,178.57	4	3,915.21	4	3,636.57	4	3,307.14	4	2,942.48	4	2,577.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,418.29	1/4	4,173.28	1/4	3,909.52	1/4	3,630.74	1/4	3,299.54	1/4	2,934.88	1/4	2,570.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,413.41	1/2	4,167.99	1/2	3,903.84	1/2	3,624.90	1/2	3,291.94	1/2	2,927.29	1/2	2,562.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,408.48	3/4	4,162.67	3/4	3,898.13	3/4	3,619.07	3/4	3,284.35	3/4	2,919.69	3/4	2,554.93
5		5		5		5		5	4,403.56	5	4,157.34	5	3,892.41	5	3,613.23	5	3,276.75	5	2,912.09	5	2,547.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,398.63	1/4	4,152.02	1/4	3,886.70	1/4	3,607.39	1/4	3,269.15	1/4	2,904.50	1/4	2,539.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,393.70	1/2	4,146.69	1/2	3,880.99	1/2	3,601.56	1/2	3,261.55	1/2	2,896.90	1/2	2,532.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,388.73	3/4	4,141.34	3/4	3,875.24	3/4	3,595.72	3/4	3,253.96	3/4	2,889.30	3/4	2,524.52
6		6		6		6		6	4,383.76	6	4,135.98	6	3,869.49	6	3,589.89	6	3,246.36	6	2,881.70	6	2,516.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,378.79	1/4	4,130.62	1/4	3,863.75	1/4	3,584.05	1/4	3,238.76	1/4	2,874.11	1/4	2,509.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,373.83	1/2	4,125.26	1/2	3,858.00	1/2	3,578.21	1/2	3,231.17	1/2	2,866.51	1/2	2,501.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,368.83	3/4	4,119.87	3/4	3,852.22	3/4	3,572.38	3/4	3,223.57	3/4	2,858.91	3/4	2,494.12
7		7		7		7		7	4,363.83	7	4,114.49	7	3,846.44	7	3,566.54	7	3,215.97	7	2,851.32	7	2,486.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,358.83	1/4	4,109.10	1/4	3,840.66	1/4	3,560.71	1/4	3,208.38	1/4	2,843.72	1/4	2,478.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,353.83	1/2	4,103.71	1/2	3,834.88	1/2	3,554.87	1/2	3,200.78	1/2	2,836.12	1/2	2,471.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,348.80	3/4	4,098.28	3/4	3,829.07	3/4	3,549.03	3/4	3,193.18	3/4	2,828.53	3/4	2,463.71
8		8		8		8		8	4,343.76	8	4,092.86	8	3,823.26	8	3,543.20	8	3,185.58	8	2,820.93	8	2,456.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,338.73	1/4	4,087.44	1/4	3,817.45	1/4	3,537.36	1/4	3,177.99	1/4	2,813.33	1/4	2,448.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,333.70	1/2	4,082.02	1/2	3,811.64	1/2	3,531.53	1/2	3,170.39	1/2	2,805.73	1/2	2,440.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,328.63	3/4	4,076.56	3/4	3,805.80	3/4	3,524.81	3/4	3,162.79	3/4	2,798.14	3/4	2,433.31
9		9		9		9		9	4,323.57	9	4,071.11	9	3,799.97	9	3,518.09	9	3,155.20	9	2,790.54	9	2,425.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,318.50	1/4	4,065.66	1/4	3,794.14	1/4	3,511.38	1/4	3,147.60	1/4	2,782.94	1/4	2,418.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,313.44	1/2	4,060.20	1/2	3,788.31	1/2	3,504.66	1/2	3,140.00	1/2	2,775.35	1/2	2,410.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,308.34	3/4	4,054.71	3/4	3,782.47	3/4	3,497.06	3/4	3,132.41	3/4	2,767.75	3/4	2,402.90
10		10		10		10		10	4,303.25	10	4,049.23	10	3,776.64	10	3,489.46	10	3,124.81	10	2,760.15	10	2,395.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,298.15	1/4	4,043.74	1/4	3,770.80	1/4	3,481.87	1/4	3,117.21	1/4	2,752.55	1/4	2,387.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,293.05	1/2	4,038.25	1/2	3,764.97	1/2	3,474.27	1/2	3,109.61	1/2	2,744.95	1/2	2,380.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,287.92	3/4	4,032.73	3/4	3,759.13	3/4	3,466.67	3/4	3,102.02	3/4	2,737.35	3/4	2,372.50
11		11		11		11		11	4,282.79	11	4,027.22	11	3,753.29	11	3,459.08	11	3,094.42	11	2,729.75	11	2,364.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,277.66	1/4	4,021.70	1/4	3,747.46	1/4	3,451.48	1/4	3,086.82	1/4	2,722.15	1/4	2,357.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,272.53	1/2	4,016.18	1/2	3,741.62	1/2	3,443.88	1/2	3,079.23	1/2	2,714.55	1/2	2,349.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,267.37	3/4	4,010.63	3/4	3,735.79	3/4	3,436.29	3/4	3,071.63	3/4	2,706.95	3/4	2,342.09

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 52'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28720"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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	2,334.49	0	1,969.64	0	1,605.09	0	1,240.21	0	875.49	0	510.62	0	146.78	0		0		0	
1/4	2,326.89	1/4	1,962.04	1/4	1,597.49	1/4	1,232.61	1/4	867.89	1/4	503.02	1/4	139.63	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,319.29	1/2	1,954.44	1/2	1,589.89	1/2	1,225.00	1/2	860.29	1/2	495.41	1/2	132.47	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,311.69	3/4	1,946.84	3/4	1,582.29	3/4	1,217.40	3/4	852.69	3/4	487.81	3/4	126.40	3/4	3/4	3/4	3/4	3/4	3/4
1	2,304.09	1	1,939.24	1	1,574.69	1	1,209.80	1	845.09	1	480.21	1	120.32	1		1		1	
1/4	2,296.49	1/4	1,931.64	1/4	1,567.09	1/4	1,202.20	1/4	837.49	1/4	472.61	1/4	114.24	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,288.89	1/2	1,924.03	1/2	1,559.48	1/2	1,194.60	1/2	829.88	1/2	465.01	1/2	108.16	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,281.29	3/4	1,916.43	3/4	1,551.88	3/4	1,187.00	3/4	822.28	3/4	457.41	3/4	103.36	3/4	3/4	3/4	3/4	3/4	3/4
2	2,273.69	2	1,908.83	2	1,544.28	2	1,179.39	2	814.68	2	449.80	2	98.56	2		2		2	
1/4	2,266.08	1/4	1,901.23	1/4	1,536.68	1/4	1,171.79	1/4	807.08	1/4	442.20	1/4	93.75	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,258.48	1/2	1,893.63	1/2	1,529.08	1/2	1,164.19	1/2	799.48	1/2	434.60	1/2	88.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,250.88	3/4	1,886.03	3/4	1,521.47	3/4	1,156.59	3/4	791.88	3/4	427.00	3/4	85.43	3/4	3/4	3/4	3/4	3/4	3/4
3	2,243.28	3	1,878.43	3	1,513.87	3	1,148.99	3	784.27	3	419.40	3	81.91	3		3		3	
1/4	2,235.68	1/4	1,870.83	1/4	1,506.27	1/4	1,141.38	1/4	776.67	1/4	411.80	1/4	78.38	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,228.08	1/2	1,863.23	1/2	1,498.67	1/2	1,133.78	1/2	769.07	1/2	404.19	1/2	74.86	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,220.48	3/4	1,855.62	3/4	1,491.07	3/4	1,126.18	3/4	761.47	3/4	396.59	3/4	72.62	3/4	3/4	3/4	3/4	3/4	3/4
4	2,212.88	4	1,848.02	4	1,483.47	4	1,118.58	4	753.87	4	388.99	4	70.38	4		4		4	
1/4	2,205.28	1/4	1,840.42	1/4	1,475.86	1/4	1,110.98	1/4	746.27	1/4	381.39	1/4	68.14	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,197.67	1/2	1,832.82	1/2	1,468.26	1/2	1,103.39	1/2	738.66	1/2	373.79	1/2	65.90	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,190.07	3/4	1,825.23	3/4	1,460.66	3/4	1,095.79	3/4	731.06	3/4	366.19	3/4	64.95	3/4	3/4	3/4	3/4	3/4	3/4
5	2,182.47	5	1,817.63	5	1,453.06	5	1,088.19	5	723.46	5	358.58	5	64.00	5		5		5	
1/4	2,174.87	1/4	1,810.03	1/4	1,445.46	1/4	1,080.60	1/4	715.86	1/4	350.98	1/4	63.06	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,167.27	1/2	1,802.44	1/2	1,437.85	1/2	1,073.00	1/2	708.26	1/2	343.38	1/2	62.11	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,159.67	3/4	1,794.85	3/4	1,430.25	3/4	1,065.40	3/4	700.66	3/4	335.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,152.07	6	1,787.26	6	1,422.65	6	1,057.81	6	693.06	6	328.18	6		6		6		6	
1/4	2,144.47	1/4	1,779.68	1/4	1,415.05	1/4	1,050.21	1/4	685.45	1/4	320.58	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,136.87	1/2	1,772.09	1/2	1,407.45	1/2	1,042.61	1/2	677.85	1/2	312.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,129.26	3/4	1,764.51	3/4	1,399.85	3/4	1,035.02	3/4	670.25	3/4	305.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,121.66	7	1,756.93	7	1,392.24	7	1,027.42	7	662.65	7	297.77	7		7		7		7	
1/4	2,114.06	1/4	1,749.35	1/4	1,384.64	1/4	1,019.83	1/4	655.05	1/4	290.17	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,106.46	1/2	1,741.77	1/2	1,377.04	1/2	1,012.23	1/2	647.45	1/2	282.57	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,098.86	3/4	1,734.18	3/4	1,369.44	3/4	1,004.63	3/4	639.84	3/4	274.97	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,091.26	8	1,726.60	8	1,361.84	8	997.04	8	632.24	8	267.37	8		8		8		8	
1/4	2,083.66	1/4	1,719.02	1/4	1,354.24	1/4	989.44	1/4	624.64	1/4	259.76	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,076.06	1/2	1,711.44	1/2	1,346.63	1/2	981.84	1/2	617.04	1/2	252.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,068.46	3/4	1,703.85	3/4	1,339.03	3/4	974.25	3/4	609.44	3/4	244.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,060.85	9	1,696.27	9	1,331.43	9	966.65	9	601.84	9	236.97	9		9		9		9	
1/4	2,053.25	1/4	1,688.68	1/4	1,323.83	1/4	959.05	1/4	594.23	1/4	229.38	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,045.65	1/2	1,681.09	1/2	1,316.23	1/2	951.46	1/2	586.63	1/2	221.78	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,038.05	3/4	1,673.50	3/4	1,308.62	3/4	943.86	3/4	579.03	3/4	214.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,030.45	10	1,665.90	10	1,301.02	10	936.26	10	571.43	10	206.61	10		10		10		10	
1/4	2,022.85	1/4	1,658.30	1/4	1,293.42	1/4	928.67	1/4	563.83	1/4	199.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,015.25	1/2	1,650.71	1/2	1,285.82	1/2	921.07	1/2	556.23	1/2	191.43	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,007.65	3/4	1,643.10	3/4	1,278.22	3/4	913.48	3/4	548.62	3/4	183.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,000.05	11	1,635.50	11	1,270.62	11	905.88	11	541.02	11	176.25	11		11		11		11	
1/4	1,992.44	1/4	1,627.90	1/4	1,263.01	1/4	898.28	1/4	533.42	1/4	168.67	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,984.84	1/2	1,620.30	1/2	1,255.41	1/2	890.69	1/2	525.82	1/2	161.08	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,977.24	3/4	1,612.70	3/4	1,247.81	3/4	883.09	3/4	518.22	3/4	153.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/04/2007 CL - SW
CALCULATED: 01/05/2007 CL
PRINTED: 01/05/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2007

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



BARGE "KIRBY 28720"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE 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	1,122	0	2,244	0		0		0		0		0		0		0	
1/4	23	1/4	1,145	1/4	2,268	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	47	1/2	1,169	1/2	2,291	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	70	3/4	1,192	3/4	2,314	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	94	1	1,216	1	2,338	1		1		1		1		1		1		1	
1/4	117	1/4	1,239	1/4	2,361	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	140	1/2	1,262	1/2	2,384	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164	3/4	1,286	3/4	2,408	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	187	2	1,309	2	2,431	2		2		2		2		2		2		2	
1/4	210	1/4	1,332	1/4	2,455	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	234	1/2	1,356	1/2	2,478	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	257	3/4	1,379	3/4	2,501	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	281	3	1,403	3	2,525	3		3		3		3		3		3		3	
1/4	304	1/4	1,426	1/4	2,548	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	327	1/2	1,449	1/2	2,571	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	351	3/4	1,473	3/4	2,595	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	374	4	1,496	4	2,618	4		4		4		4		4		4		4	
1/4	397	1/4	1,519	1/4	2,642	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	421	1/2	1,543	1/2	2,665	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	444	3/4	1,566	3/4	2,688	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	468	5	1,590	5	2,712	5		5		5		5		5		5		5	
1/4	491	1/4	1,613	1/4	2,735	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	514	1/2	1,636	1/2	2,758	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	538	3/4	1,660	3/4	2,782	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	561	6	1,683	6	2,805	6		6		6		6		6		6		6	
1/4	584	1/4	1,706	1/4	2,829	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	608	1/2	1,730	1/2	2,852	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	631	3/4	1,753	3/4	2,875	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	655	7	1,777	7	2,899	7		7		7		7		7		7		7	
1/4	678	1/4	1,800	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	701	1/2	1,823	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	725	3/4	1,847	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	748	8	1,870	8		8		8		8		8		8		8		8	
1/4	771	1/4	1,894	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	795	1/2	1,917	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	818	3/4	1,940	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	842	9	1,964	9		9		9		9		9		9		9		9	
1/4	865	1/4	1,987	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	888	1/2	2,010	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	912	3/4	2,034	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	935	10	2,057	10		10		10		10		10		10		10		10	
1/4	958	1/4	2,081	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	982	1/2	2,104	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,005	3/4	2,127	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,029	11	2,151	11		11		11		11		11		11		11		11	
1/4	1,052	1/4	2,174	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,075	1/2	2,197	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,099	3/4	2,221	3/4		3/4		3/4		3/4		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 AT GAUGE POINT.

STRAPPED: 01/18/2023 JS
CALCULATED: 01/20/2023 CL
PRINTED: 01/20/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2023

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