



BARGE "KIRBY 28175"

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	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8	02-0/8	- 02-0/8
1 STBD	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8	02-0/8	- 02-0/8
2 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
2 STBD	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 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	02-1/2	- 02-1/2
3 STBD	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	02-1/2	- 02-1/2

(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 - 00-5/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 243'-06"

October 31, 2011

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28175"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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		
							4,950.30		4,614.55		4,274.49		3,917.94		3,545.59		3,168.85		2,790.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,943.62	1/4	4,607.62	1/4	4,267.22	1/4	3,910.32	1/4	3,537.74	1/4	3,160.97	1/4	2,782.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,936.94	1/2	4,600.70	1/2	4,259.95	1/2	3,902.70	1/2	3,529.90	1/2	3,153.09	1/2	2,774.87		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,930.26	3/4	4,593.77	3/4	4,252.68	3/4	3,895.09	3/4	3,522.05	3/4	3,145.21	3/4	2,766.99		
1	1	1	1	1	1	1	4,923.58	1	4,586.85	1	4,245.42	1	3,887.47	1	3,514.21	1	3,137.33	1	2,759.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,915.97	1/4	4,579.90	1/4	4,238.12	1/4	3,879.83	1/4	3,506.36	1/4	3,129.45	1/4	2,751.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,908.35	1/2	4,572.94	1/2	4,230.82	1/2	3,872.18	1/2	3,498.52	1/2	3,121.57	1/2	2,743.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,900.74	3/4	4,565.99	3/4	4,223.52	3/4	3,864.54	3/4	3,490.67	3/4	3,113.69	3/4	2,735.48		
2	2	2	2	2	2	2	4,893.12	2	4,559.03	2	4,216.23	2	3,856.90	2	3,482.83	2	3,105.81	2	2,727.60		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,885.28	1/4	4,552.05	1/4	4,208.90	1/4	3,849.23	1/4	3,474.99	1/4	3,097.93	1/4	2,719.72		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,877.43	1/2	4,545.07	1/2	4,201.57	1/2	3,841.56	1/2	3,467.14	1/2	3,090.05	1/2	2,711.84		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,869.59	3/4	4,538.09	3/4	4,194.24	3/4	3,833.89	3/4	3,459.30	3/4	3,082.17	3/4	2,703.96		
3	3	3	3	3	3	3	4,861.74	3	4,531.10	3	4,186.92	3	3,826.22	3	3,451.45	3	3,074.30	3	2,696.08		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,854.33	1/4	4,524.09	1/4	4,179.56	1/4	3,818.52	1/4	3,443.61	1/4	3,066.42	1/4	2,688.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,846.92	1/2	4,517.08	1/2	4,172.21	1/2	3,810.82	1/2	3,435.76	1/2	3,058.54	1/2	2,680.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,839.51	3/4	4,510.07	3/4	4,164.85	3/4	3,803.12	3/4	3,427.92	3/4	3,050.66	3/4	2,672.44		
4	4	4	4	4	4	4	4,832.10	4	4,503.06	4	4,157.50	4	3,795.42	4	3,420.07	4	3,042.78	4	2,664.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,825.40	1/4	4,496.02	1/4	4,150.11	1/4	3,787.69	1/4	3,412.23	1/4	3,034.90	1/4	2,656.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,818.71	1/2	4,488.97	1/2	4,142.73	1/2	3,779.96	1/2	3,404.38	1/2	3,027.02	1/2	2,648.80		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,812.01	3/4	4,481.93	3/4	4,135.34	3/4	3,772.23	3/4	3,396.54	3/4	3,019.14	3/4	2,640.92		
5	5	5	5	5	5	5	4,805.31	5	4,474.89	5	4,127.96	5	3,764.51	5	3,388.70	5	3,011.26	5	2,633.04		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,798.59	1/4	4,467.82	1/4	4,120.54	1/4	3,756.75	1/4	3,380.85	1/4	3,003.38	1/4	2,625.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,791.86	1/2	4,460.75	1/2	4,113.13	1/2	3,748.99	1/2	3,373.01	1/2	2,995.50	1/2	2,617.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,785.13	3/4	4,453.68	3/4	4,105.72	3/4	3,741.23	3/4	3,365.16	3/4	2,987.62	3/4	2,609.40		
6	6	6	6	6	6	6	4,778.41	6	4,446.61	6	4,098.31	6	3,733.48	6	3,357.32	6	2,979.74	6	2,601.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,771.65	1/4	4,439.52	1/4	4,090.86	1/4	3,725.69	1/4	3,349.47	1/4	2,971.86	1/4	2,593.65		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,764.90	1/2	4,432.42	1/2	4,083.42	1/2	3,717.90	1/2	3,341.63	1/2	2,963.98	1/2	2,585.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,758.14	3/4	4,425.32	3/4	4,075.98	3/4	3,710.12	3/4	3,333.78	3/4	2,956.10	3/4	2,577.89		
7	7	7	7	7	7	7	4,751.38	7	4,418.22	7	4,068.53	7	3,702.33	7	3,325.94	7	2,948.22	7	2,570.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,744.60	1/4	4,411.09	1/4	4,061.06	1/4	3,694.52	1/4	3,318.09	1/4	2,940.34	1/4	2,562.13		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,737.82	1/2	4,403.96	1/2	4,053.59	1/2	3,686.70	1/2	3,310.25	1/2	2,932.46	1/2	2,554.25		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,731.03	3/4	4,396.84	3/4	4,046.12	3/4	3,678.89	3/4	3,302.40	3/4	2,924.58	3/4	2,546.37		
8	8	8	8	8	8	8	4,724.25	8	4,389.71	8	4,038.65	8	3,671.07	8	3,294.56	8	2,916.71	8	2,538.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,717.43	1/4	4,382.55	1/4	4,031.15	1/4	3,663.23	1/4	3,286.72	1/4	2,908.83	1/4	2,530.61		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,710.62	1/2	4,375.39	1/2	4,023.65	1/2	3,655.40	1/2	3,278.87	1/2	2,900.95	1/2	2,522.73		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,703.81	3/4	4,368.24	3/4	4,016.15	3/4	3,647.56	3/4	3,271.03	3/4	2,893.07	3/4	2,514.85		
9	9	9	9	9	9	9	4,696.99	9	4,361.08	9	4,008.65	9	3,639.72	9	3,263.18	9	2,885.19	9	2,506.97		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,690.15	1/4	4,353.89	1/4	4,001.12	1/4	3,631.88	1/4	3,255.34	1/4	2,877.31	1/4	2,499.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,683.31	1/2	4,346.71	1/2	3,993.59	1/2	3,624.03	1/2	3,247.49	1/2	2,869.43	1/2	2,491.21		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,676.47	3/4	4,339.52	3/4	3,986.06	3/4	3,616.19	3/4	3,239.65	3/4	2,861.55	3/4	2,483.33		
10	10	10	10	10	10	10	4,669.62	10	4,332.33	10	3,978.53	10	3,608.34	10	3,231.80	10	2,853.67	10	2,475.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,662.75	1/4	4,325.12	1/4	3,970.97	1/4	3,600.50	1/4	3,223.94	1/4	2,845.79	1/4	2,467.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,655.88	1/2	4,317.90	1/2	3,963.41	1/2	3,592.65	1/2	3,216.09	1/2	2,837.91	1/2	2,459.69		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,649.01	3/4	4,310.69	3/4	3,955.85	3/4	3,584.81	3/4	3,208.23	3/4	2,830.03	3/4	2,451.81		
11	11	11	11	11	11	11	4,642.13	11	4,303.47	11	3,948.29	11	3,576.97	11	3,200.37	11	2,822.15	11	2,443.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,635.24	1/4	4,296.23	1/4	3,940.70	1/4	3,569.12	1/4	3,192.49	1/4	2,814.27	1/4	2,436.06		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,961.07	1/2	4,628.34	1/2	4,288.98	1/2	3,933.11	1/2	3,561.28	1/2	3,184.61	1/2	2,806.39	1/2	2,428.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,955.69	3/4	4,621.44	3/4	4,281.74	3/4	3,925.53	3/4	3,553.43	3/4	3,176.73	3/4	2,798.51	3/4	2,420.30

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28175"

1 PORT ULLAGE 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	2,412.42	0	2,034.20	0	1,655.99	0	1,279.21	0	901.72	0	523.55	0	176.28	0		0		0	
1/4	2,404.54	1/4	2,026.32	1/4	1,648.11	1/4	1,271.38	1/4	893.84	1/4	515.73	1/4	169.76	1/4		1/4		1/4	
1/2	2,396.66	1/2	2,018.44	1/2	1,640.23	1/2	1,263.55	1/2	885.96	1/2	507.91	1/2	163.24	1/2		1/2		1/2	
3/4	2,388.78	3/4	2,010.56	3/4	1,632.35	3/4	1,255.72	3/4	878.08	3/4	500.09	3/4	156.72	3/4		3/4		3/4	
1	2,380.90	1	2,002.68	1	1,624.47	1	1,247.89	1	870.20	1	492.27	1	150.20	1		1		1	
1/4	2,373.02	1/4	1,994.80	1/4	1,616.59	1/4	1,240.06	1/4	862.32	1/4	484.54	1/4	143.79	1/4		1/4		1/4	
1/2	2,365.14	1/2	1,986.92	1/2	1,608.71	1/2	1,232.23	1/2	854.44	1/2	476.81	1/2	137.38	1/2		1/2		1/2	
3/4	2,357.26	3/4	1,979.04	3/4	1,600.83	3/4	1,224.40	3/4	846.56	3/4	469.08	3/4	130.98	3/4		3/4		3/4	
2	2,349.38	2	1,971.17	2	1,592.95	2	1,216.57	2	838.68	2	461.35	2	124.57	2		2		2	
1/4	2,341.50	1/4	1,963.29	1/4	1,585.07	1/4	1,208.74	1/4	830.80	1/4	453.73	1/4	118.28	1/4		1/4		1/4	
1/2	2,333.62	1/2	1,955.41	1/2	1,577.19	1/2	1,200.91	1/2	822.92	1/2	446.11	1/2	112.00	1/2		1/2		1/2	
3/4	2,325.74	3/4	1,947.53	3/4	1,569.31	3/4	1,193.08	3/4	815.04	3/4	438.49	3/4	105.71	3/4		3/4		3/4	
3	2,317.86	3	1,939.65	3	1,561.43	3	1,185.25	3	807.16	3	430.87	3	99.43	3		3		3	
1/4	2,309.98	1/4	1,931.77	1/4	1,553.56	1/4	1,177.40	1/4	799.29	1/4	423.36	1/4	93.27	1/4		1/4		1/4	
1/2	2,302.10	1/2	1,923.89	1/2	1,545.69	1/2	1,169.55	1/2	791.41	1/2	415.85	1/2	87.12	1/2		1/2		1/2	
3/4	2,294.22	3/4	1,916.01	3/4	1,537.83	3/4	1,161.70	3/4	783.53	3/4	408.34	3/4	80.96	3/4		3/4		3/4	
4	2,286.35	4	1,908.13	4	1,529.96	4	1,153.85	4	775.65	4	400.83	4	74.81	4		4		4	
1/4	2,278.47	1/4	1,900.25	1/4	1,522.11	1/4	1,145.97	1/4	767.77	1/4	393.43	1/4	68.79	1/4		1/4		1/4	
1/2	2,270.59	1/2	1,892.37	1/2	1,514.26	1/2	1,138.10	1/2	759.89	1/2	386.03	1/2	62.78	1/2		1/2		1/2	
3/4	2,262.71	3/4	1,884.49	3/4	1,506.41	3/4	1,130.22	3/4	752.01	3/4	378.63	3/4	56.76	3/4		3/4		3/4	
5	2,254.83	5	1,876.61	5	1,498.56	5	1,122.34	5	744.13	5	371.23	5	50.75	5		5		5	
1/4	2,246.95	1/4	1,868.73	1/4	1,490.71	1/4	1,114.46	1/4	736.25	1/4	363.94	1/4	45.33	1/4		1/4		1/4	
1/2	2,239.07	1/2	1,860.85	1/2	1,482.87	1/2	1,106.58	1/2	728.37	1/2	356.65	1/2	39.91	1/2		1/2		1/2	
3/4	2,231.19	3/4	1,852.97	3/4	1,475.02	3/4	1,098.70	3/4	720.49	3/4	349.36	3/4	34.49	3/4		3/4		3/4	
6	2,223.31	6	1,845.09	6	1,467.18	6	1,090.82	6	712.61	6	342.07	6	29.06	6		6		6	
1/4	2,215.43	1/4	1,837.21	1/4	1,459.34	1/4	1,082.94	1/4	704.73	1/4	334.89	1/4	25.10	1/4		1/4		1/4	
1/2	2,207.55	1/2	1,829.33	1/2	1,451.50	1/2	1,075.06	1/2	696.85	1/2	327.71	1/2	21.13	1/2		1/2		1/2	
3/4	2,199.67	3/4	1,821.45	3/4	1,443.66	3/4	1,067.18	3/4	688.98	3/4	320.53	3/4	17.16	3/4		3/4		3/4	
7	2,191.79	7	1,813.58	7	1,435.83	7	1,059.30	7	681.10	7	313.34	7	13.20	7		7		7	
1/4	2,183.91	1/4	1,805.70	1/4	1,427.99	1/4	1,051.42	1/4	673.22	1/4	306.27	1/4		1/4		1/4		1/4	
1/2	2,176.03	1/2	1,797.82	1/2	1,420.16	1/2	1,043.54	1/2	665.34	1/2	299.20	1/2		1/2		1/2		1/2	
3/4	2,168.15	3/4	1,789.94	3/4	1,412.32	3/4	1,035.66	3/4	657.46	3/4	292.13	3/4		3/4		3/4		3/4	
8	2,160.27	8	1,782.06	8	1,404.49	8	1,027.79	8	649.58	8	285.06	8		8		8		8	
1/4	2,152.39	1/4	1,774.18	1/4	1,396.66	1/4	1,019.91	1/4	641.70	1/4	278.09	1/4		1/4		1/4		1/4	
1/2	2,144.51	1/2	1,766.30	1/2	1,388.83	1/2	1,012.03	1/2	633.82	1/2	271.13	1/2		1/2		1/2		1/2	
3/4	2,136.63	3/4	1,758.42	3/4	1,381.00	3/4	1,004.15	3/4	625.94	3/4	264.17	3/4		3/4		3/4		3/4	
9	2,128.76	9	1,750.54	9	1,373.17	9	996.27	9	618.06	9	257.21	9		9		9		9	
1/4	2,120.88	1/4	1,742.66	1/4	1,365.34	1/4	988.39	1/4	610.18	1/4	250.35	1/4		1/4		1/4		1/4	
1/2	2,113.00	1/2	1,734.78	1/2	1,357.51	1/2	980.51	1/2	602.30	1/2	243.50	1/2		1/2		1/2		1/2	
3/4	2,105.12	3/4	1,726.90	3/4	1,349.68	3/4	972.63	3/4	594.42	3/4	236.65	3/4		3/4		3/4		3/4	
10	2,097.24	10	1,719.02	10	1,341.85	10	964.75	10	586.54	10	229.79	10		10		10		10	
1/4	2,089.36	1/4	1,711.14	1/4	1,334.02	1/4	956.87	1/4	578.67	1/4	223.05	1/4		1/4		1/4		1/4	
1/2	2,081.48	1/2	1,703.26	1/2	1,326.19	1/2	948.99	1/2	570.79	1/2	216.31	1/2		1/2		1/2		1/2	
3/4	2,073.60	3/4	1,695.38	3/4	1,318.36	3/4	941.11	3/4	562.91	3/4	209.56	3/4		3/4		3/4		3/4	
11	2,065.72	11	1,687.50	11	1,310.53	11	933.23	11	555.03	11	202.82	11		11		11		11	
1/4	2,057.84	1/4	1,679.62	1/4	1,302.70	1/4	925.35	1/4	547.16	1/4	196.19	1/4		1/4		1/4		1/4	
1/2	2,049.96	1/2	1,671.74	1/2	1,294.87	1/2	917.47	1/2	539.29	1/2	189.55	1/2		1/2		1/2		1/2	
3/4	2,042.08	3/4	1,663.86	3/4	1,287.04	3/4	909.60	3/4	531.42	3/4	182.92	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2011 CL - SW
CALCULATED: 10/31/2011 CL
PRINTED: 10/31/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2011

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



BARGE "KIRBY 28175"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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		
							4,952.08		4,616.33		4,276.27		3,919.72		3,547.37		3,170.63		2,792.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,945.40	1/4	4,609.40	1/4	4,269.00	1/4	3,912.10	1/4	3,539.52	1/4	3,162.75	1/4	2,784.53		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,938.72	1/2	4,602.48	1/2	4,261.73	1/2	3,904.48	1/2	3,531.68	1/2	3,154.87	1/2	2,776.65		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,932.04	3/4	4,595.55	3/4	4,254.46	3/4	3,896.86	3/4	3,523.83	3/4	3,146.99	3/4	2,768.77		
1	1	1	1	1	1	1	4,925.36	1	4,588.63	1	4,247.19	1	3,889.25	1	3,515.99	1	3,139.11	1	2,760.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,917.74	1/4	4,581.67	1/4	4,239.90	1/4	3,881.60	1/4	3,508.14	1/4	3,131.23	1/4	2,753.01		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,910.13	1/2	4,574.72	1/2	4,232.60	1/2	3,873.96	1/2	3,500.30	1/2	3,123.35	1/2	2,745.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,902.51	3/4	4,567.77	3/4	4,225.30	3/4	3,866.32	3/4	3,492.45	3/4	3,115.47	3/4	2,737.25		
2	2	2	2	2	2	2	4,894.90	2	4,560.81	2	4,218.00	2	3,858.68	2	3,484.61	2	3,107.59	2	2,729.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,887.06	1/4	4,553.83	1/4	4,210.68	1/4	3,851.01	1/4	3,476.76	1/4	3,099.71	1/4	2,721.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,879.21	1/2	4,546.85	1/2	4,203.35	1/2	3,843.34	1/2	3,468.92	1/2	3,091.83	1/2	2,713.61		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,871.37	3/4	4,539.86	3/4	4,196.02	3/4	3,835.67	3/4	3,461.07	3/4	3,083.95	3/4	2,705.74		
3	3	3	3	3	3	3	4,863.52	3	4,532.88	3	4,188.70	3	3,828.00	3	3,453.23	3	3,076.07	3	2,697.86		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,856.11	1/4	4,525.87	1/4	4,181.34	1/4	3,820.30	1/4	3,445.39	1/4	3,068.19	1/4	2,689.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,848.70	1/2	4,518.86	1/2	4,173.99	1/2	3,812.60	1/2	3,437.54	1/2	3,060.31	1/2	2,682.10		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,841.29	3/4	4,511.85	3/4	4,166.63	3/4	3,804.90	3/4	3,429.70	3/4	3,052.43	3/4	2,674.22		
4	4	4	4	4	4	4	4,833.88	4	4,504.83	4	4,159.28	4	3,797.20	4	3,421.85	4	3,044.55	4	2,666.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,827.18	1/4	4,497.79	1/4	4,151.89	1/4	3,789.47	1/4	3,414.01	1/4	3,036.67	1/4	2,658.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,820.48	1/2	4,490.75	1/2	4,144.51	1/2	3,781.74	1/2	3,406.16	1/2	3,028.79	1/2	2,650.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,813.79	3/4	4,483.71	3/4	4,137.12	3/4	3,774.01	3/4	3,398.32	3/4	3,020.92	3/4	2,642.70		
5	5	5	5	5	5	5	4,807.09	5	4,476.67	5	4,129.74	5	3,766.28	5	3,390.47	5	3,013.04	5	2,634.82		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,800.36	1/4	4,469.60	1/4	4,122.32	1/4	3,758.53	1/4	3,382.63	1/4	3,005.16	1/4	2,626.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,793.64	1/2	4,462.53	1/2	4,114.91	1/2	3,750.77	1/2	3,374.78	1/2	2,997.28	1/2	2,619.06		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,786.91	3/4	4,455.46	3/4	4,107.50	3/4	3,743.01	3/4	3,366.94	3/4	2,989.40	3/4	2,611.18		
6	6	6	6	6	6	6	4,780.19	6	4,448.39	6	4,100.08	6	3,735.25	6	3,359.09	6	2,981.52	6	2,603.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,773.43	1/4	4,441.29	1/4	4,092.64	1/4	3,727.47	1/4	3,351.25	1/4	2,973.64	1/4	2,595.42		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,766.67	1/2	4,434.20	1/2	4,085.20	1/2	3,719.68	1/2	3,343.41	1/2	2,965.76	1/2	2,587.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,759.92	3/4	4,427.10	3/4	4,077.76	3/4	3,711.90	3/4	3,335.56	3/4	2,957.88	3/4	2,579.66		
7	7	7	7	7	7	7	4,753.16	7	4,420.00	7	4,070.31	7	3,704.11	7	3,327.72	7	2,950.00	7	2,571.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,746.38	1/4	4,412.87	1/4	4,062.84	1/4	3,696.29	1/4	3,319.87	1/4	2,942.12	1/4	2,563.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,739.59	1/2	4,405.74	1/2	4,055.37	1/2	3,688.48	1/2	3,312.03	1/2	2,934.24	1/2	2,556.02		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,732.81	3/4	4,398.61	3/4	4,047.90	3/4	3,680.66	3/4	3,304.18	3/4	2,926.36	3/4	2,548.15		
8	8	8	8	8	8	8	4,726.03	8	4,391.49	8	4,040.43	8	3,672.85	8	3,296.34	8	2,918.48	8	2,540.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,719.21	1/4	4,384.33	1/4	4,032.93	1/4	3,665.01	1/4	3,288.49	1/4	2,910.60	1/4	2,532.39		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,712.40	1/2	4,377.17	1/2	4,025.43	1/2	3,657.17	1/2	3,280.65	1/2	2,902.72	1/2	2,524.51		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,705.58	3/4	4,370.02	3/4	4,017.92	3/4	3,649.34	3/4	3,272.80	3/4	2,894.84	3/4	2,516.63		
9	9	9	9	9	9	9	4,698.77	9	4,362.86	9	4,010.42	9	3,641.50	9	3,264.96	9	2,886.96	9	2,508.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,691.93	1/4	4,355.67	1/4	4,002.89	1/4	3,633.66	1/4	3,257.11	1/4	2,879.08	1/4	2,500.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,685.09	1/2	4,348.48	1/2	3,995.36	1/2	3,625.81	1/2	3,249.27	1/2	2,871.20	1/2	2,492.99		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,678.24	3/4	4,341.30	3/4	3,987.84	3/4	3,617.97	3/4	3,241.43	3/4	2,863.33	3/4	2,485.11		
10	10	10	10	10	10	10	4,671.40	10	4,334.11	10	3,980.31	10	3,610.12	10	3,233.58	10	2,855.45	10	2,477.23		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,664.53	1/4	4,326.90	1/4	3,972.75	1/4	3,602.28	1/4	3,225.72	1/4	2,847.57	1/4	2,469.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,657.66	1/2	4,319.68	1/2	3,965.19	1/2	3,594.43	1/2	3,217.86	1/2	2,839.69	1/2	2,461.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,650.78	3/4	4,312.47	3/4	3,957.63	3/4	3,586.59	3/4	3,210.00	3/4	2,831.81	3/4	2,453.59		
11	11	11	11	11	11	11	4,643.91	11	4,305.25	11	3,950.07	11	3,578.74	11	3,202.14	11	2,823.93	11	2,445.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,637.01	1/4	4,298.01	1/4	3,942.48	1/4	3,570.90	1/4	3,194.26	1/4	2,816.05	1/4	2,437.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,962.85	1/2	4,630.12	1/2	4,290.76	1/2	3,934.89	1/2	3,563.05	1/2	3,186.38	1/2	2,808.17	1/2	2,429.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,957.47	3/4	4,623.22	3/4	4,283.52	3/4	3,927.31	3/4	3,555.21	3/4	3,178.51	3/4	2,800.29	3/4	2,422.07

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'-00" 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 28175"

1 STBD ULLAGE 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	2,414.19	0	2,035.98	0	1,657.76	0	1,279.55	0	901.64	0	523.55	0	176.28	0		0		0	
1/4	2,406.31	1/4	2,028.10	1/4	1,649.88	1/4	1,271.67	1/4	893.77	1/4	515.73	1/4	169.76	1/4	1/4	1/4		1/4	
1/2	2,398.43	1/2	2,020.22	1/2	1,642.00	1/2	1,263.79	1/2	885.90	1/2	507.91	1/2	163.24	1/2	1/2	1/2		1/2	
3/4	2,390.56	3/4	2,012.34	3/4	1,634.12	3/4	1,255.91	3/4	878.04	3/4	500.09	3/4	156.72	3/4	3/4	3/4		3/4	
1	2,382.68	1	2,004.46	1	1,626.24	1	1,248.03	1	870.17	1	492.27	1	150.20	1	1	1		1	
1/4	2,374.80	1/4	1,996.58	1/4	1,618.36	1/4	1,240.15	1/4	862.30	1/4	484.54	1/4	143.79	1/4	1/4	1/4		1/4	
1/2	2,366.92	1/2	1,988.70	1/2	1,610.48	1/2	1,232.27	1/2	854.43	1/2	476.81	1/2	137.38	1/2	1/2	1/2		1/2	
3/4	2,359.04	3/4	1,980.82	3/4	1,602.61	3/4	1,224.39	3/4	846.55	3/4	469.08	3/4	130.98	3/4	3/4	3/4		3/4	
2	2,351.16	2	1,972.94	2	1,594.73	2	1,216.51	2	838.68	2	461.35	2	124.57	2	2	2		2	
1/4	2,343.28	1/4	1,965.06	1/4	1,586.85	1/4	1,208.63	1/4	830.80	1/4	453.73	1/4	118.28	1/4	1/4	1/4		1/4	
1/2	2,335.40	1/2	1,957.18	1/2	1,578.97	1/2	1,200.75	1/2	822.92	1/2	446.11	1/2	112.00	1/2	1/2	1/2		1/2	
3/4	2,327.52	3/4	1,949.30	3/4	1,571.09	3/4	1,192.87	3/4	815.04	3/4	438.49	3/4	105.71	3/4	3/4	3/4		3/4	
3	2,319.64	3	1,941.42	3	1,563.21	3	1,184.99	3	807.16	3	430.87	3	99.43	3	3	3		3	
1/4	2,311.76	1/4	1,933.54	1/4	1,555.33	1/4	1,177.11	1/4	799.29	1/4	423.36	1/4	93.27	1/4	1/4	1/4		1/4	
1/2	2,303.88	1/2	1,925.66	1/2	1,547.45	1/2	1,169.23	1/2	791.41	1/2	415.85	1/2	87.12	1/2	1/2	1/2		1/2	
3/4	2,296.00	3/4	1,917.79	3/4	1,539.57	3/4	1,161.35	3/4	783.53	3/4	408.34	3/4	80.96	3/4	3/4	3/4		3/4	
4	2,288.12	4	1,909.91	4	1,531.69	4	1,153.47	4	775.65	4	400.83	4	74.81	4	4	4		4	
1/4	2,280.24	1/4	1,902.03	1/4	1,523.81	1/4	1,145.59	1/4	767.77	1/4	393.43	1/4	68.79	1/4	1/4	1/4		1/4	
1/2	2,272.36	1/2	1,894.15	1/2	1,515.93	1/2	1,137.71	1/2	759.89	1/2	386.03	1/2	62.78	1/2	1/2	1/2		1/2	
3/4	2,264.48	3/4	1,886.27	3/4	1,508.05	3/4	1,129.84	3/4	752.01	3/4	378.63	3/4	56.76	3/4	3/4	3/4		3/4	
5	2,256.60	5	1,878.39	5	1,500.17	5	1,121.96	5	744.13	5	371.23	5	50.75	5	5	5		5	
1/4	2,248.72	1/4	1,870.51	1/4	1,492.29	1/4	1,114.08	1/4	736.25	1/4	363.94	1/4	45.33	1/4	1/4	1/4		1/4	
1/2	2,240.84	1/2	1,862.63	1/2	1,484.41	1/2	1,106.21	1/2	728.37	1/2	356.65	1/2	39.91	1/2	1/2	1/2		1/2	
3/4	2,232.97	3/4	1,854.75	3/4	1,476.53	3/4	1,098.33	3/4	720.49	3/4	349.36	3/4	34.49	3/4	3/4	3/4		3/4	
6	2,225.09	6	1,846.87	6	1,468.65	6	1,090.46	6	712.61	6	342.07	6	29.06	6	6	6		6	
1/4	2,217.21	1/4	1,838.99	1/4	1,460.77	1/4	1,082.59	1/4	704.73	1/4	334.89	1/4	25.10	1/4	1/4	1/4		1/4	
1/2	2,209.33	1/2	1,831.11	1/2	1,452.89	1/2	1,074.72	1/2	696.85	1/2	327.71	1/2	21.13	1/2	1/2	1/2		1/2	
3/4	2,201.45	3/4	1,823.23	3/4	1,445.02	3/4	1,066.85	3/4	688.98	3/4	320.53	3/4	17.16	3/4	3/4	3/4		3/4	
7	2,193.57	7	1,815.35	7	1,437.14	7	1,058.99	7	681.10	7	313.34	7	13.20	7	7	7		7	
1/4	2,185.69	1/4	1,807.47	1/4	1,429.26	1/4	1,051.12	1/4	673.22	1/4	306.27	1/4		1/4	1/4	1/4		1/4	
1/2	2,177.81	1/2	1,799.59	1/2	1,421.38	1/2	1,043.25	1/2	665.34	1/2	299.20	1/2		1/2	1/2	1/2		1/2	
3/4	2,169.93	3/4	1,791.71	3/4	1,413.50	3/4	1,035.38	3/4	657.46	3/4	292.13	3/4		3/4	3/4	3/4		3/4	
8	2,162.05	8	1,783.83	8	1,405.62	8	1,027.52	8	649.58	8	285.06	8		8	8	8		8	
1/4	2,154.17	1/4	1,775.95	1/4	1,397.74	1/4	1,019.65	1/4	641.70	1/4	278.09	1/4		1/4	1/4	1/4		1/4	
1/2	2,146.29	1/2	1,768.07	1/2	1,389.86	1/2	1,011.78	1/2	633.82	1/2	271.13	1/2		1/2	1/2	1/2		1/2	
3/4	2,138.41	3/4	1,760.20	3/4	1,381.98	3/4	1,003.91	3/4	625.94	3/4	264.17	3/4		3/4	3/4	3/4		3/4	
9	2,130.53	9	1,752.32	9	1,374.10	9	996.05	9	618.06	9	257.21	9		9	9	9		9	
1/4	2,122.65	1/4	1,744.44	1/4	1,366.22	1/4	988.18	1/4	610.18	1/4	250.35	1/4		1/4	1/4	1/4		1/4	
1/2	2,114.77	1/2	1,736.56	1/2	1,358.34	1/2	980.31	1/2	602.30	1/2	243.50	1/2		1/2	1/2	1/2		1/2	
3/4	2,106.89	3/4	1,728.68	3/4	1,350.46	3/4	972.45	3/4	594.42	3/4	236.65	3/4		3/4	3/4	3/4		3/4	
10	2,099.01	10	1,720.80	10	1,342.58	10	964.58	10	586.54	10	229.79	10		10	10	10		10	
1/4	2,091.13	1/4	1,712.92	1/4	1,334.70	1/4	956.71	1/4	578.67	1/4	223.05	1/4		1/4	1/4	1/4		1/4	
1/2	2,083.25	1/2	1,705.04	1/2	1,326.82	1/2	948.84	1/2	570.79	1/2	216.31	1/2		1/2	1/2	1/2		1/2	
3/4	2,075.38	3/4	1,697.16	3/4	1,318.94	3/4	940.98	3/4	562.91	3/4	209.56	3/4		3/4	3/4	3/4		3/4	
11	2,067.50	11	1,689.28	11	1,311.06	11	933.11	11	555.03	11	202.82	11		11	11	11		11	
1/4	2,059.62	1/4	1,681.40	1/4	1,303.18	1/4	925.24	1/4	547.16	1/4	196.19	1/4		1/4	1/4	1/4		1/4	
1/2	2,051.74	1/2	1,673.52	1/2	1,295.30	1/2	917.37	1/2	539.29	1/2	189.55	1/2		1/2	1/2	1/2		1/2	
3/4	2,043.86	3/4	1,665.64	3/4	1,287.43	3/4	909.51	3/4	531.42	3/4	182.92	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2011 CL - SW
CALCULATED: 10/31/2011 CL
PRINTED: 10/31/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2011

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



BARGE "KIRBY 28175"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

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	4,766.13	0	4,449.09	0	4,125.62	0	3,787.03	0	3,433.80	0	3,076.13	0	2,717.05
1/4		1/4		1/4		1/4	4,761.02	1/4	4,442.51	1/4	4,118.72	1/4	3,779.81	1/4	3,426.35	1/4	3,068.65	1/4	2,709.57
1/2		1/2		1/2		1/2	4,755.90	1/2	4,435.93	1/2	4,111.82	1/2	3,772.60	1/2	3,418.90	1/2	3,061.17	1/2	2,702.09
3/4		3/4		3/4		3/4	4,749.56	3/4	4,429.33	3/4	4,104.90	3/4	3,765.36	3/4	3,411.45	3/4	3,053.69	3/4	2,694.61
1		1		1		1	4,743.22	1	4,422.72	1	4,097.98	1	3,758.12	1	3,404.00	1	3,046.21	1	2,687.13
1/4		1/4		1/4		1/4	4,736.88	1/4	4,416.12	1/4	4,091.06	1/4	3,750.88	1/4	3,396.56	1/4	3,038.73	1/4	2,679.65
1/2		1/2		1/2		1/2	4,730.53	1/2	4,409.51	1/2	4,084.14	1/2	3,743.64	1/2	3,389.11	1/2	3,031.25	1/2	2,672.17
3/4		3/4		3/4		3/4	4,723.31	3/4	4,402.88	3/4	4,077.19	3/4	3,736.37	3/4	3,381.66	3/4	3,023.77	3/4	2,664.69
2		2		2		2	4,716.08	2	4,396.24	2	4,070.24	2	3,729.11	2	3,374.21	2	3,016.29	2	2,657.20
1/4		1/4		1/4		1/4	4,708.85	1/4	4,389.61	1/4	4,063.30	1/4	3,721.85	1/4	3,366.76	1/4	3,008.81	1/4	2,649.72
1/2		1/2		1/2		1/2	4,701.62	1/2	4,382.98	1/2	4,056.35	1/2	3,714.58	1/2	3,359.31	1/2	3,001.33	1/2	2,642.24
3/4		3/4		3/4		3/4	4,694.17	3/4	4,376.32	3/4	4,049.37	3/4	3,707.29	3/4	3,351.86	3/4	2,993.84	3/4	2,634.76
3		3		3		3	4,686.72	3	4,368.66	3	4,042.40	3	3,700.01	3	3,344.41	3	2,986.36	3	2,627.28
1/4		1/4		1/4		1/4	4,679.27	1/4	4,363.00	1/4	4,035.43	1/4	3,692.72	1/4	3,336.97	1/4	2,978.88	1/4	2,619.80
1/2		1/2		1/2		1/2	4,671.82	1/2	4,356.34	1/2	4,028.45	1/2	3,685.43	1/2	3,329.52	1/2	2,971.40	1/2	2,612.32
3/4		3/4		3/4		3/4	4,664.77	3/4	4,349.66	3/4	4,021.45	3/4	3,678.11	3/4	3,322.07	3/4	2,963.92	3/4	2,604.84
4		4		4		4	4,657.72	4	4,342.97	4	4,014.45	4	3,670.80	4	3,314.62	4	2,956.44	4	2,597.36
1/4		1/4		1/4		1/4	4,650.67	1/4	4,336.29	1/4	4,007.45	1/4	3,663.48	1/4	3,307.17	1/4	2,948.96	1/4	2,589.88
1/2		1/2		1/2		1/2	4,643.62	1/2	4,329.60	1/2	4,000.45	1/2	3,656.16	1/2	3,299.72	1/2	2,941.48	1/2	2,582.40
3/4		3/4		3/4		3/4	4,637.22	3/4	4,322.89	3/4	3,993.42	3/4	3,648.82	3/4	3,292.27	3/4	2,934.00	3/4	2,574.91
5		5		5		5	4,630.82	5	4,316.18	5	3,986.40	5	3,641.48	5	3,284.82	5	2,926.52	5	2,567.43
1/4		1/4		1/4		1/4	4,624.43	1/4	4,309.47	1/4	3,979.37	1/4	3,634.14	1/4	3,277.38	1/4	2,919.04	1/4	2,559.95
1/2		1/2		1/2		1/2	4,618.03	1/2	4,302.75	1/2	3,972.34	1/2	3,626.80	1/2	3,269.93	1/2	2,911.56	1/2	2,552.47
3/4		3/4		3/4		3/4	4,611.61	3/4	4,296.01	3/4	3,965.29	3/4	3,619.43	3/4	3,262.48	3/4	2,904.07	3/4	2,544.99
6		6		6		6	4,605.18	6	4,289.28	6	3,958.23	6	3,612.06	6	3,255.03	6	2,896.59	6	2,537.51
1/4		1/4		1/4		1/4	4,598.76	1/4	4,282.54	1/4	3,951.18	1/4	3,604.69	1/4	3,247.58	1/4	2,889.11	1/4	2,530.03
1/2		1/2		1/2		1/2	4,592.34	1/2	4,275.80	1/2	3,944.13	1/2	3,597.32	1/2	3,240.13	1/2	2,881.63	1/2	2,522.55
3/4		3/4		3/4		3/4	4,585.88	3/4	4,269.03	3/4	3,937.05	3/4	3,589.92	3/4	3,232.68	3/4	2,874.15	3/4	2,515.07
7		7		7		7	4,579.43	7	4,262.27	7	3,929.97	7	3,582.53	7	3,225.23	7	2,866.67	7	2,507.59
1/4		1/4		1/4		1/4	4,572.98	1/4	4,255.50	1/4	3,922.89	1/4	3,575.13	1/4	3,217.78	1/4	2,859.19	1/4	2,500.11
1/2		1/2		1/2		1/2	4,566.53	1/2	4,248.74	1/2	3,915.81	1/2	3,567.74	1/2	3,210.34	1/2	2,851.71	1/2	2,492.62
3/4		3/4		3/4		3/4	4,560.05	3/4	4,241.95	3/4	3,908.70	3/4	3,560.32	3/4	3,202.89	3/4	2,844.23	3/4	2,485.14
8		8		8		8	4,553.58	8	4,235.15	8	3,901.59	8	3,552.90	8	3,195.44	8	2,836.75	8	2,477.66
1/4		1/4		1/4		1/4	4,547.10	1/4	4,228.36	1/4	3,894.49	1/4	3,545.47	1/4	3,187.99	1/4	2,829.27	1/4	2,470.18
1/2		1/2		1/2		1/2	4,540.62	1/2	4,221.57	1/2	3,887.38	1/2	3,538.05	1/2	3,180.54	1/2	2,821.78	1/2	2,462.70
3/4		3/4		3/4		3/4	4,534.12	3/4	4,214.75	3/4	3,880.25	3/4	3,530.61	3/4	3,173.09	3/4	2,814.30	3/4	2,455.22
9		9		9		9	4,527.61	9	4,207.93	9	3,873.11	9	3,523.17	9	3,165.64	9	2,806.82	9	2,447.74
1/4		1/4		1/4		1/4	4,521.11	1/4	4,201.11	1/4	3,865.98	1/4	3,515.73	1/4	3,158.19	1/4	2,799.34	1/4	2,440.26
1/2		1/2		1/2		1/2	4,514.61	1/2	4,194.29	1/2	3,858.84	1/2	3,508.29	1/2	3,150.75	1/2	2,791.86	1/2	2,432.78
3/4		3/4		3/4		3/4	4,508.08	3/4	4,187.45	3/4	3,851.68	3/4	3,500.84	3/4	3,143.30	3/4	2,784.38	3/4	2,425.30
10		10		10		10	4,501.55	10	4,180.60	10	3,844.52	10	3,493.39	10	3,135.85	10	2,776.90	10	2,417.82
1/4		1/4		1/4		1/4	4,495.01	1/4	4,173.76	1/4	3,837.36	1/4	3,485.94	1/4	3,128.40	1/4	2,769.42	1/4	2,410.33
1/2		1/2		1/2		1/2	4,488.48	1/2	4,166.91	1/2	3,830.20	1/2	3,478.49	1/2	3,120.95	1/2	2,761.94	1/2	2,402.85
3/4		3/4		3/4		3/4	4,481.93	3/4	4,160.04	3/4	3,823.02	3/4	3,471.04	3/4	3,113.49	3/4	2,754.46	3/4	2,395.37
11		11		11		11	4,475.37	11	4,153.17	11	3,815.83	11	3,463.60	11	3,106.02	11	2,746.98	11	2,387.89
1/4		1/4		1/4		1/4	4,468.81	1/4	4,146.30	1/4	3,808.64	1/4	3,456.15	1/4	3,098.56	1/4	2,739.49	1/4	2,380.41
1/2		1/2		1/2		1/2	4,462.25	1/2	4,139.42	1/2	3,801.45	1/2	3,448.70	1/2	3,091.10	1/2	2,732.01	1/2	2,372.93
3/4		3/4		3/4		3/4	4,455.67	3/4	4,132.52	3/4	3,794.24	3/4	3,441.25	3/4	3,083.62	3/4	2,724.53	3/4	2,365.45

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28175"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

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
1/4	2,350.49	1/4	1,991.40	1/4	1,632.32	1/4	1,282.43	1/4	937.60	1/4	579.58	1/4	220.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,343.01	1/2	1,983.92	1/2	1,624.84	1/2	1,275.23	1/2	930.42	1/2	572.10	1/2	213.02	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,335.53	3/4	1,976.44	3/4	1,617.36	3/4	1,268.04	3/4	923.13	3/4	564.62	3/4	205.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
1	2,328.04	1	1,968.96	1	1,609.88	1	1,260.84	1	915.83	1	557.14	1	198.07	1	1	1	1	1	1	1	
1/4	2,320.56	1/4	1,961.48	1/4	1,602.40	1/4	1,253.64	1/4	908.54	1/4	549.66	1/4	190.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,313.08	1/2	1,954.00	1/2	1,594.92	1/2	1,246.44	1/2	901.25	1/2	542.17	1/2	183.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,305.60	3/4	1,946.52	3/4	1,587.44	3/4	1,239.24	3/4	893.77	3/4	534.69	3/4	175.64	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
2	2,298.12	2	1,939.04	2	1,579.95	2	1,232.05	2	886.29	2	527.21	2	168.17	2	2	2	2	2	2	2	
1/4	2,290.64	1/4	1,931.56	1/4	1,572.47	1/4	1,224.85	1/4	878.81	1/4	519.73	1/4	160.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,283.16	1/2	1,924.08	1/2	1,564.99	1/2	1,217.65	1/2	871.33	1/2	512.25	1/2	153.22	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,275.68	3/4	1,916.60	3/4	1,557.51	3/4	1,210.46	3/4	863.85	3/4	504.77	3/4	145.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
3	2,268.20	3	1,909.11	3	1,550.03	3	1,203.26	3	856.36	3	497.29	3	138.30	3	3	3	3	3	3	3	
1/4	2,260.72	1/4	1,901.63	1/4	1,542.55	1/4	1,196.07	1/4	848.88	1/4	489.81	1/4	130.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,253.24	1/2	1,894.15	1/2	1,535.07	1/2	1,188.88	1/2	841.40	1/2	482.33	1/2	123.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,245.75	3/4	1,886.67	3/4	1,527.69	3/4	1,181.69	3/4	833.92	3/4	474.85	3/4	115.93	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
4	2,238.27	4	1,879.19	4	1,520.32	4	1,174.51	4	826.44	4	467.37	4	108.49	4	4	4	4	4	4	4	
1/4	2,230.79	1/4	1,871.71	1/4	1,512.94	1/4	1,167.32	1/4	818.96	1/4	459.89	1/4	101.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,223.31	1/2	1,864.23	1/2	1,505.57	1/2	1,160.14	1/2	811.48	1/2	452.41	1/2	93.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,215.83	3/4	1,856.75	3/4	1,498.37	3/4	1,152.95	3/4	804.00	3/4	444.93	3/4	86.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
5	2,208.35	5	1,849.27	5	1,491.17	5	1,145.77	5	796.52	5	437.45	5	78.78	5	5	5	5	5	5	5	
1/4	2,200.87	1/4	1,841.79	1/4	1,483.98	1/4	1,138.59	1/4	789.04	1/4	429.96	1/4	71.37	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,193.39	1/2	1,834.31	1/2	1,476.78	1/2	1,131.40	1/2	781.56	1/2	422.48	1/2	63.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,185.91	3/4	1,826.82	3/4	1,469.58	3/4	1,124.23	3/4	774.08	3/4	415.00	3/4	57.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
6	2,178.43	6	1,819.34	6	1,462.38	6	1,117.05	6	766.60	6	407.52	6	50.05	6	6	6	6	6	6	6	
1/4	2,170.95	1/4	1,811.86	1/4	1,455.18	1/4	1,109.87	1/4	759.12	1/4	400.04	1/4	43.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,163.47	1/2	1,804.38	1/2	1,447.99	1/2	1,102.69	1/2	751.63	1/2	392.56	1/2	36.15	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,155.98	3/4	1,796.90	3/4	1,440.79	3/4	1,095.51	3/4	744.15	3/4	385.08	3/4	30.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
7	2,148.50	7	1,789.42	7	1,433.59	7	1,088.34	7	736.67	7	377.60	7	25.56	7	7	7	7	7	7	7	
1/4	2,141.02	1/4	1,781.94	1/4	1,426.39	1/4	1,081.16	1/4	729.19	1/4	370.12	1/4	20.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,133.54	1/2	1,774.46	1/2	1,419.19	1/2	1,073.98	1/2	721.71	1/2	362.64	1/2	14.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,126.06	3/4	1,766.98	3/4	1,412.00	3/4	1,066.80	3/4	714.23	3/4	355.16	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
8	2,118.58	8	1,759.50	8	1,404.80	8	1,059.62	8	706.75	8	347.68	8		8	8	8	8	8	8	8	
1/4	2,111.10	1/4	1,752.02	1/4	1,397.60	1/4	1,052.45	1/4	699.27	1/4	340.20	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,103.62	1/2	1,744.53	1/2	1,390.40	1/2	1,045.27	1/2	691.79	1/2	332.72	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,096.14	3/4	1,737.05	3/4	1,383.20	3/4	1,038.09	3/4	684.31	3/4	325.23	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
9	2,088.66	9	1,729.57	9	1,376.01	9	1,030.91	9	676.83	9	317.75	9		9	9	9	9	9	9	9	
1/4	2,081.18	1/4	1,722.09	1/4	1,368.81	1/4	1,023.73	1/4	669.35	1/4	310.27	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,073.69	1/2	1,714.61	1/2	1,361.61	1/2	1,016.55	1/2	661.87	1/2	302.79	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,066.21	3/4	1,707.13	3/4	1,354.41	3/4	1,009.38	3/4	654.39	3/4	295.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
10	2,058.73	10	1,699.65	10	1,347.21	10	1,002.20	10	646.90	10	287.83	10		10	10	10	10	10	10	10	
1/4	2,051.25	1/4	1,692.17	1/4	1,340.02	1/4	995.02	1/4	639.42	1/4	280.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,043.77	1/2	1,684.69	1/2	1,332.82	1/2	987.84	1/2	631.94	1/2	272.87	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,036.29	3/4	1,677.21	3/4	1,325.62	3/4	980.66	3/4	624.46	3/4	265.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
11	2,028.81	11	1,669.73	11	1,318.42	11	973.49	11	616.98	11	257.91	11		11	11	11	11	11	11	11	
1/4	2,021.33	1/4	1,662.24	1/4	1,311.22	1/4	966.31	1/4	609.50	1/4	250.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,013.85	1/2	1,654.76	1/2	1,304.03	1/2	959.13	1/2	602.02	1/2	242.95	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,006.37	3/4	1,647.28	3/4	1,296.83	3/4	951.95	3/4	594.54	3/4	235.47	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: 10/28/2011 CL - SW
CALCULATED: 10/31/2011 CL
PRINTED: 10/31/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2011

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



BARGE "KIRBY 28175"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,785.13	0	4,466.63	0	4,142.84	0	3,803.93	0	3,450.47	0	3,092.79	0	2,733.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,780.02	1/4	4,460.05	1/4	4,135.94	1/4	3,796.72	1/4	3,443.02	1/4	3,085.31	1/4	2,726.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,773.68	1/2	4,453.44	1/2	4,129.02	1/2	3,789.48	1/2	3,435.57	1/2	3,077.83	1/2	2,718.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,767.34	3/4	4,446.84	3/4	4,122.10	3/4	3,782.24	3/4	3,428.12	3/4	3,070.35	3/4	2,711.26
1		1		1		1	4,440.99	1	4,115.18	1	3,774.99	1	3,420.67	1	3,062.87	1	2,703.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,754.65	1/4	4,433.63	1/4	4,108.26	1/4	3,767.75	1/4	3,413.22	1/4	3,055.39	1/4	2,696.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,747.42	1/2	4,426.99	1/2	4,101.31	1/2	3,760.49	1/2	3,405.78	1/2	3,047.91	1/2	2,688.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,740.19	3/4	4,420.36	3/4	4,094.36	3/4	3,753.23	3/4	3,398.33	3/4	3,040.43	3/4	2,681.34
2		2		2		2	4,732.97	2	4,413.73	2	4,087.41	2	3,745.96	2	3,390.88	2	3,032.95	2	2,673.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,725.74	1/4	4,407.10	1/4	4,080.47	1/4	3,738.70	1/4	3,383.43	1/4	3,025.46	1/4	2,666.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,718.29	1/2	4,400.44	1/2	4,073.49	1/2	3,731.41	1/2	3,375.98	1/2	3,017.98	1/2	2,658.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,710.84	3/4	4,393.78	3/4	4,066.52	3/4	3,724.12	3/4	3,368.53	3/4	3,010.50	3/4	2,651.41
3		3		3		3	4,703.39	3	4,387.12	3	4,059.54	3	3,716.83	3	3,361.08	3	3,003.02	3	2,643.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,695.94	1/4	4,380.46	1/4	4,052.57	1/4	3,709.54	1/4	3,353.63	1/4	2,995.54	1/4	2,636.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,688.89	1/2	4,373.78	1/2	4,045.57	1/2	3,702.23	1/2	3,346.18	1/2	2,988.06	1/2	2,628.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,681.84	3/4	4,367.09	3/4	4,038.57	3/4	3,694.91	3/4	3,338.74	3/4	2,980.58	3/4	2,621.49
4		4		4		4	4,674.79	4	4,360.40	4	4,031.57	4	3,687.60	4	3,331.29	4	2,973.10	4	2,614.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,667.74	1/4	4,353.72	1/4	4,024.57	1/4	3,680.28	1/4	3,323.84	1/4	2,965.62	1/4	2,606.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,661.34	1/2	4,347.01	1/2	4,017.54	1/2	3,672.94	1/2	3,316.39	1/2	2,958.14	1/2	2,599.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,654.94	3/4	4,340.29	3/4	4,010.51	3/4	3,665.60	3/4	3,308.94	3/4	2,950.65	3/4	2,591.57
5		5		5		5	4,648.54	5	4,333.58	5	4,003.48	5	3,658.25	5	3,301.49	5	2,943.17	5	2,584.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,642.15	1/4	4,326.87	1/4	3,996.46	1/4	3,650.91	1/4	3,294.04	1/4	2,935.69	1/4	2,576.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,635.72	1/2	4,320.13	1/2	3,989.40	1/2	3,643.54	1/2	3,286.59	1/2	2,928.21	1/2	2,569.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,629.30	3/4	4,313.39	3/4	3,982.35	3/4	3,636.17	3/4	3,279.15	3/4	2,920.73	3/4	2,561.64
6		6		6		6	4,622.88	6	4,306.65	6	3,975.30	6	3,628.81	6	3,271.70	6	2,913.25	6	2,554.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,616.45	1/4	4,299.92	1/4	3,968.24	1/4	3,621.44	1/4	3,264.25	1/4	2,905.77	1/4	2,546.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,610.00	1/2	4,293.15	1/2	3,961.16	1/2	3,614.04	1/2	3,256.80	1/2	2,898.29	1/2	2,539.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,603.55	3/4	4,286.38	3/4	3,954.08	3/4	3,606.65	3/4	3,249.35	3/4	2,890.81	3/4	2,531.72
7		7		7		7	4,597.10	7	4,279.62	7	3,947.00	7	3,599.25	7	3,241.90	7	2,883.33	7	2,524.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,590.65	1/4	4,272.85	1/4	3,939.92	1/4	3,591.86	1/4	3,234.45	1/4	2,875.84	1/4	2,516.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,584.17	1/2	4,266.06	1/2	3,932.82	1/2	3,584.43	1/2	3,227.00	1/2	2,868.36	1/2	2,509.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,577.69	3/4	4,259.27	3/4	3,925.71	3/4	3,577.01	3/4	3,219.56	3/4	2,860.88	3/4	2,501.79
8		8		8		8	4,571.22	8	4,252.48	8	3,918.60	8	3,569.59	8	3,212.11	8	2,853.40	8	2,494.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,564.74	1/4	4,245.68	1/4	3,911.50	1/4	3,562.17	1/4	3,204.66	1/4	2,845.92	1/4	2,486.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,558.24	1/2	4,238.87	1/2	3,904.36	1/2	3,554.73	1/2	3,197.21	1/2	2,838.44	1/2	2,479.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,551.73	3/4	4,232.05	3/4	3,897.23	3/4	3,547.29	3/4	3,189.76	3/4	2,830.96	3/4	2,471.87
9		9		9		9	4,545.23	9	4,225.23	9	3,890.09	9	3,539.85	9	3,182.31	9	2,823.48	9	2,464.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,538.72	1/4	4,218.41	1/4	3,882.96	1/4	3,532.40	1/4	3,174.86	1/4	2,816.00	1/4	2,456.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,532.19	1/2	4,211.57	1/2	3,875.80	1/2	3,524.96	1/2	3,167.41	1/2	2,808.52	1/2	2,449.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,525.66	3/4	4,204.72	3/4	3,868.64	3/4	3,517.51	3/4	3,159.96	3/4	2,801.03	3/4	2,441.95
10		10		10		10	4,519.13	10	4,197.87	10	3,861.48	10	3,510.06	10	3,152.52	10	2,793.55	10	2,434.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,512.60	1/4	4,191.03	1/4	3,854.32	1/4	3,502.61	1/4	3,145.07	1/4	2,786.07	1/4	2,426.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,506.04	1/2	4,184.16	1/2	3,847.13	1/2	3,495.16	1/2	3,137.61	1/2	2,778.59	1/2	2,419.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,499.49	3/4	4,177.28	3/4	3,839.95	3/4	3,487.71	3/4	3,130.15	3/4	2,771.11	3/4	2,412.02
11		11		11		11	4,492.93	11	4,170.41	11	3,832.76	11	3,480.26	11	3,122.69	11	2,763.63	11	2,404.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,486.37	1/4	4,163.54	1/4	3,825.57	1/4	3,472.81	1/4	3,115.24	1/4	2,756.15	1/4	2,397.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,479.79	1/2	4,156.64	1/2	3,818.36	1/2	3,465.37	1/2	3,107.76	1/2	2,748.67	1/2	2,389.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,473.21	3/4	4,149.74	3/4	3,811.14	3/4	3,457.92	3/4	3,100.28	3/4	2,741.19	3/4	2,382.10

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'-09" 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 28175"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

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	2,374.62	0	2,015.53	0	1,656.44	0	1,297.35	0	938.56	0	579.58	0	220.51	0		0		0	
1/4	2,367.14	1/4	2,008.05	1/4	1,648.96	1/4	1,289.87	1/4	931.10	1/4	572.10	1/4	213.02	1/4	1/4		1/4		1/4
1/2	2,359.66	1/2	2,000.57	1/2	1,641.48	1/2	1,282.39	1/2	923.63	1/2	564.62	1/2	205.55	1/2	1/2		1/2		1/2
3/4	2,352.17	3/4	1,993.09	3/4	1,634.00	3/4	1,274.91	3/4	916.16	3/4	557.14	3/4	198.07	3/4	3/4		3/4		3/4
1	2,344.69	1	1,985.61	1	1,626.52	1	1,267.43	1	908.69	1	549.66	1	190.59	1	1		1		1
1/4	2,337.21	1/4	1,978.12	1/4	1,619.04	1/4	1,259.95	1/4	901.22	1/4	542.17	1/4	183.11	1/4	1/4		1/4		1/4
1/2	2,329.73	1/2	1,970.64	1/2	1,611.56	1/2	1,252.47	1/2	893.75	1/2	534.69	1/2	175.64	1/2	1/2		1/2		1/2
3/4	2,322.25	3/4	1,963.16	3/4	1,604.07	3/4	1,244.99	3/4	886.27	3/4	527.21	3/4	168.17	3/4	3/4		3/4		3/4
2	2,314.77	2	1,955.68	2	1,596.59	2	1,237.51	2	878.80	2	519.73	2	160.69	2	2		2		2
1/4	2,307.29	1/4	1,948.20	1/4	1,589.11	1/4	1,230.02	1/4	871.33	1/4	512.25	1/4	153.22	1/4	1/4		1/4		1/4
1/2	2,299.81	1/2	1,940.72	1/2	1,581.63	1/2	1,222.54	1/2	863.85	1/2	504.77	1/2	145.76	1/2	1/2		1/2		1/2
3/4	2,292.33	3/4	1,933.24	3/4	1,574.15	3/4	1,215.06	3/4	856.36	3/4	497.29	3/4	138.30	3/4	3/4		3/4		3/4
3	2,284.85	3	1,925.76	3	1,566.67	3	1,207.58	3	848.88	3	489.81	3	130.84	3	3		3		3
1/4	2,277.36	1/4	1,918.28	1/4	1,559.19	1/4	1,200.10	1/4	841.40	1/4	482.33	1/4	123.38	1/4	1/4		1/4		1/4
1/2	2,269.88	1/2	1,910.80	1/2	1,551.71	1/2	1,192.62	1/2	833.92	1/2	474.85	1/2	115.93	1/2	1/2		1/2		1/2
3/4	2,262.40	3/4	1,903.31	3/4	1,544.23	3/4	1,185.14	3/4	826.44	3/4	467.37	3/4	108.49	3/4	3/4		3/4		3/4
4	2,254.92	4	1,895.83	4	1,536.75	4	1,177.66	4	818.96	4	459.89	4	101.05	4	4		4		4
1/4	2,247.44	1/4	1,888.35	1/4	1,529.26	1/4	1,170.18	1/4	811.48	1/4	452.41	1/4	93.61	1/4	1/4		1/4		1/4
1/2	2,239.96	1/2	1,880.87	1/2	1,521.78	1/2	1,162.70	1/2	804.00	1/2	444.93	1/2	86.19	1/2	1/2		1/2		1/2
3/4	2,232.48	3/4	1,873.39	3/4	1,514.30	3/4	1,155.21	3/4	796.52	3/4	437.45	3/4	78.78	3/4	3/4		3/4		3/4
5	2,225.00	5	1,865.91	5	1,506.82	5	1,147.73	5	789.04	5	429.96	5	71.37	5	5		5		5
1/4	2,217.52	1/4	1,858.43	1/4	1,499.34	1/4	1,140.25	1/4	781.56	1/4	422.48	1/4	63.96	1/4	1/4		1/4		1/4
1/2	2,210.04	1/2	1,850.95	1/2	1,491.86	1/2	1,132.78	1/2	774.08	1/2	415.00	1/2	57.01	1/2	1/2		1/2		1/2
3/4	2,202.55	3/4	1,843.47	3/4	1,484.38	3/4	1,125.30	3/4	766.60	3/4	407.52	3/4	50.05	3/4	3/4		3/4		3/4
6	2,195.07	6	1,835.99	6	1,476.90	6	1,117.82	6	759.12	6	400.04	6	43.10	6	6		6		6
1/4	2,187.59	1/4	1,828.50	1/4	1,469.42	1/4	1,110.35	1/4	751.63	1/4	392.56	1/4	36.15	1/4	1/4		1/4		1/4
1/2	2,180.11	1/2	1,821.02	1/2	1,461.94	1/2	1,102.88	1/2	744.15	1/2	385.08	1/2	30.85	1/2	1/2		1/2		1/2
3/4	2,172.63	3/4	1,813.54	3/4	1,454.45	3/4	1,095.41	3/4	736.67	3/4	377.60	3/4	25.56	3/4	3/4		3/4		3/4
7	2,165.15	7	1,806.06	7	1,446.97	7	1,087.94	7	729.19	7	370.12	7	20.26	7	7		7		7
1/4	2,157.67	1/4	1,798.58	1/4	1,439.49	1/4	1,080.47	1/4	721.71	1/4	362.64	1/4	14.96	1/4	1/4		1/4		1/4
1/2	2,150.19	1/2	1,791.10	1/2	1,432.01	1/2	1,073.00	1/2	714.23	1/2	355.16	1/2		1/2	1/2		1/2		1/2
3/4	2,142.71	3/4	1,783.62	3/4	1,424.53	3/4	1,065.53	3/4	706.75	3/4	347.68	3/4		3/4	3/4		3/4		3/4
8	2,135.23	8	1,776.14	8	1,417.05	8	1,058.07	8	699.27	8	340.20	8		8	8		8		8
1/4	2,127.74	1/4	1,768.66	1/4	1,409.57	1/4	1,050.60	1/4	691.79	1/4	332.72	1/4		1/4	1/4		1/4		1/4
1/2	2,120.26	1/2	1,761.18	1/2	1,402.09	1/2	1,043.13	1/2	684.31	1/2	325.23	1/2		1/2	1/2		1/2		1/2
3/4	2,112.78	3/4	1,753.69	3/4	1,394.61	3/4	1,035.66	3/4	676.83	3/4	317.75	3/4		3/4	3/4		3/4		3/4
9	2,105.30	9	1,746.21	9	1,387.13	9	1,028.19	9	669.35	9	310.27	9		9	9		9		9
1/4	2,097.82	1/4	1,738.73	1/4	1,379.64	1/4	1,020.72	1/4	661.87	1/4	302.79	1/4		1/4	1/4		1/4		1/4
1/2	2,090.34	1/2	1,731.25	1/2	1,372.16	1/2	1,013.25	1/2	654.39	1/2	295.31	1/2		1/2	1/2		1/2		1/2
3/4	2,082.86	3/4	1,723.77	3/4	1,364.68	3/4	1,005.78	3/4	646.90	3/4	287.83	3/4		3/4	3/4		3/4		3/4
10	2,075.38	10	1,716.29	10	1,357.20	10	998.32	10	639.42	10	280.35	10		10	10		10		10
1/4	2,067.90	1/4	1,708.81	1/4	1,349.72	1/4	990.85	1/4	631.94	1/4	272.87	1/4		1/4	1/4		1/4		1/4
1/2	2,060.42	1/2	1,701.33	1/2	1,342.24	1/2	983.38	1/2	624.46	1/2	265.39	1/2		1/2	1/2		1/2		1/2
3/4	2,052.93	3/4	1,693.85	3/4	1,334.76	3/4	975.91	3/4	616.98	3/4	257.91	3/4		3/4	3/4		3/4		3/4
11	2,045.45	11	1,686.37	11	1,327.28	11	968.44	11	609.50	11	250.43	11		11	11		11		11
1/4	2,037.97	1/4	1,678.88	1/4	1,319.80	1/4	960.97	1/4	602.02	1/4	242.95	1/4		1/4	1/4		1/4		1/4
1/2	2,030.49	1/2	1,671.40	1/2	1,312.32	1/2	953.50	1/2	594.54	1/2	235.47	1/2		1/2	1/2		1/2		1/2
3/4	2,023.01	3/4	1,663.92	3/4	1,304.83	3/4	946.03	3/4	587.06	3/4	227.99	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2011 CL - SW
CALCULATED: 10/31/2011 CL
PRINTED: 10/31/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2011

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



BARGE "KIRBY 28175"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	4,343.69	0	4,101.20	0	3,854.06	0	3,594.95	0	3,322.59	0	2,966.81	0	2,610.40
1/4		1/4		1/4		1/4	4,339.53	1/4	4,096.18	1/4	3,848.78	1/4	3,589.41	1/4	3,315.16	1/4	2,959.38	1/4	2,602.98
1/2		1/2		1/2		1/2	4,335.38	1/2	4,091.15	1/2	3,843.50	1/2	3,583.88	1/2	3,307.73	1/2	2,951.96	1/2	2,595.55
3/4		3/4		3/4		3/4	4,331.23	3/4	4,086.12	3/4	3,838.23	3/4	3,578.35	3/4	3,300.30	3/4	2,944.53	3/4	2,588.13
1		1		1		1	4,325.88	1	4,081.07	1	3,832.93	1	3,572.80	1	3,292.87	1	2,937.11	1	2,580.70
1/4		1/4		1/4		1/4	4,320.52	1/4	4,076.02	1/4	3,827.63	1/4	3,567.25	1/4	3,285.45	1/4	2,929.68	1/4	2,573.28
1/2		1/2		1/2		1/2	4,315.17	1/2	4,070.98	1/2	3,822.33	1/2	3,561.70	1/2	3,278.02	1/2	2,922.26	1/2	2,565.85
3/4		3/4		3/4		3/4	4,309.81	3/4	4,065.93	3/4	3,817.04	3/4	3,556.15	3/4	3,270.59	3/4	2,914.83	3/4	2,558.43
2		2		2		2	4,304.11	2	4,060.86	2	3,811.72	2	3,550.58	2	3,263.16	2	2,907.41	2	2,551.00
1/4		1/4		1/4		1/4	4,298.40	1/4	4,055.79	1/4	3,806.40	1/4	3,545.02	1/4	3,255.73	1/4	2,899.98	1/4	2,543.58
1/2		1/2		1/2		1/2	4,292.70	1/2	4,050.72	1/2	3,801.07	1/2	3,539.45	1/2	3,248.31	1/2	2,892.56	1/2	2,536.15
3/4		3/4		3/4		3/4	4,286.99	3/4	4,045.65	3/4	3,795.75	3/4	3,533.88	3/4	3,240.88	3/4	2,885.13	3/4	2,528.73
3		3		3		3	4,281.29	3	4,040.56	3	3,790.41	3	3,528.29	3	3,233.45	3	2,877.71	3	2,521.30
1/4		1/4		1/4		1/4	4,275.59	1/4	4,035.47	1/4	3,785.08	1/4	3,522.70	1/4	3,226.02	1/4	2,870.28	1/4	2,513.88
1/2		1/2		1/2		1/2	4,269.88	1/2	4,030.38	1/2	3,779.74	1/2	3,517.11	1/2	3,218.59	1/2	2,862.86	1/2	2,506.45
3/4		3/4		3/4		3/4	4,264.18	3/4	4,025.28	3/4	3,774.40	3/4	3,511.51	3/4	3,211.16	3/4	2,855.43	3/4	2,499.03
4		4		4		4	4,259.32	4	4,020.17	4	3,769.03	4	3,505.90	4	3,203.76	4	2,848.01	4	2,491.60
1/4		1/4		1/4		1/4	4,254.45	1/4	4,015.06	1/4	3,763.67	1/4	3,500.29	1/4	3,196.36	1/4	2,840.58	1/4	2,484.18
1/2		1/2		1/2		1/2	4,249.59	1/2	4,009.95	1/2	3,758.31	1/2	3,494.68	1/2	3,188.96	1/2	2,833.16	1/2	2,476.75
3/4		3/4		3/4		3/4	4,244.73	3/4	4,004.84	3/4	3,752.95	3/4	3,489.08	3/4	3,181.56	3/4	2,825.73	3/4	2,469.33
5		5		5		5	4,239.84	5	3,999.71	5	3,747.56	5	3,483.44	5	3,174.16	5	2,818.31	5	2,461.90
1/4		1/4		1/4		1/4	4,234.96	1/4	3,994.58	1/4	3,742.18	1/4	3,477.81	1/4	3,166.76	1/4	2,810.88	1/4	2,454.48
1/2		1/2		1/2		1/2	4,230.08	1/2	3,989.44	1/2	3,736.80	1/2	3,472.18	1/2	3,159.36	1/2	2,803.46	1/2	2,447.05
3/4		3/4		3/4		3/4	4,225.20	3/4	3,984.31	3/4	3,731.42	3/4	3,466.54	3/4	3,151.96	3/4	2,796.03	3/4	2,439.63
6		6		6		6	4,220.29	6	3,979.15	6	3,726.02	6	3,460.89	6	3,144.55	6	2,788.61	6	2,432.20
1/4		1/4		1/4		1/4	4,215.39	1/4	3,974.00	1/4	3,720.61	1/4	3,455.24	1/4	3,137.15	1/4	2,781.18	1/4	2,424.78
1/2		1/2		1/2		1/2	4,210.48	1/2	3,968.85	1/2	3,715.21	1/2	3,449.59	1/2	3,129.75	1/2	2,773.76	1/2	2,417.35
3/4		3/4		3/4		3/4	4,205.58	3/4	3,963.70	3/4	3,709.80	3/4	3,443.93	3/4	3,122.35	3/4	2,766.33	3/4	2,409.93
7		7		7		7	4,200.65	7	3,958.52	7	3,704.38	7	3,438.26	7	3,114.95	7	2,758.91	7	2,402.50
1/4		1/4		1/4		1/4	4,195.73	1/4	3,953.34	1/4	3,698.96	1/4	3,432.58	1/4	3,107.55	1/4	2,751.48	1/4	2,395.08
1/2		1/2		1/2		1/2	4,190.81	1/2	3,948.17	1/2	3,693.54	1/2	3,426.91	1/2	3,100.15	1/2	2,744.05	1/2	2,387.65
3/4		3/4		3/4		3/4	4,185.88	3/4	3,942.99	3/4	3,688.11	3/4	3,421.23	3/4	3,092.75	3/4	2,736.63	3/4	2,380.23
8		8		8		8	4,180.93	8	3,937.80	8	3,682.67	8	3,415.54	8	3,085.35	8	2,729.20	8	2,372.80
1/4		1/4		1/4		1/4	4,175.99	1/4	3,932.60	1/4	3,677.22	1/4	3,409.85	1/4	3,077.94	1/4	2,721.78	1/4	2,365.37
1/2		1/2		1/2		1/2	4,171.04	1/2	3,927.41	1/2	3,671.77	1/2	3,404.15	1/2	3,070.54	1/2	2,714.35	1/2	2,357.95
3/4		3/4		3/4		3/4	4,166.09	3/4	3,922.21	3/4	3,666.32	3/4	3,398.46	3/4	3,063.14	3/4	2,706.93	3/4	2,350.52
9		9		9		9	4,161.12	9	3,916.99	9	3,660.86	9	3,392.75	9	3,055.74	9	2,699.50	9	2,343.10
1/4		1/4		1/4		1/4	4,156.16	1/4	3,911.77	1/4	3,655.39	1/4	3,387.05	1/4	3,048.34	1/4	2,692.08	1/4	2,335.67
1/2		1/2		1/2		1/2	4,151.19	1/2	3,906.55	1/2	3,649.93	1/2	3,381.35	1/2	3,040.94	1/2	2,684.65	1/2	2,328.25
3/4		3/4		3/4		3/4	4,146.23	3/4	3,901.34	3/4	3,644.46	3/4	3,375.64	3/4	3,033.54	3/4	2,677.23	3/4	2,320.82
10		10		10		10	4,141.23	10	3,896.10	10	3,638.97	10	3,369.94	10	3,026.14	10	2,669.80	10	2,313.39
1/4		1/4		1/4		1/4	4,136.24	1/4	3,890.86	1/4	3,633.49	1/4	3,364.24	1/4	3,018.74	1/4	2,662.38	1/4	2,305.97
1/2		1/2		1/2		1/2	4,131.25	1/2	3,885.63	1/2	3,628.00	1/2	3,358.53	1/2	3,011.33	1/2	2,654.95	1/2	2,298.54
3/4		3/4		3/4		3/4	4,366.37	3/4	4,126.26	3/4	3,880.39	3/4	3,622.51	3/4	3,352.83	3/4	3,003.93	3/4	2,647.53
11		11		11		11	4,361.74	11	4,121.25	11	3,875.13	11	3,617.00	11	2,996.51	11	2,640.10	11	2,283.69
1/4		1/4		1/4		1/4	4,357.10	1/4	4,116.24	1/4	3,869.86	1/4	3,611.49	1/4	2,989.08	1/4	2,632.68	1/4	2,276.27
1/2		1/2		1/2		1/2	4,352.47	1/2	4,111.24	1/2	3,864.60	1/2	3,605.98	1/2	2,981.66	1/2	2,625.25	1/2	2,268.84
3/4		3/4		3/4		3/4	4,347.84	3/4	4,106.23	3/4	3,859.34	3/4	3,600.48	3/4	2,974.23	3/4	2,617.83	3/4	2,261.42

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'-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 28175"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

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
	2,253.99		1,897.12		1,541.25		1,185.49		840.53		483.51		126.34								
1/4	2,246.56	1/4	1,889.71	1/4	1,533.81	1/4	1,178.32	1/4	833.11	1/4	476.07	1/4	118.90	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,239.14	1/2	1,882.30	1/2	1,526.37	1/2	1,171.14	1/2	825.69	1/2	468.63	1/2	111.46	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,231.71	3/4	1,874.88	3/4	1,518.93	3/4	1,163.97	3/4	818.27	3/4	461.19	3/4	104.02	3/4	3/4	3/4	3/4	3/4	3/4		
1	2,224.29	1	1,867.47	1	1,511.49	1	1,156.80	1	810.85	1	453.75	1	96.90	1	1	1	1	1	1		
1/4	2,216.86	1/4	1,860.06	1/4	1,504.05	1/4	1,149.63	1/4	803.43	1/4	446.31	1/4	89.77	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,209.44	1/2	1,852.64	1/2	1,496.61	1/2	1,142.46	1/2	796.01	1/2	438.86	1/2	82.64	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,202.01	3/4	1,845.23	3/4	1,489.17	3/4	1,135.29	3/4	788.59	3/4	431.42	3/4	75.52	3/4	3/4	3/4	3/4	3/4	3/4		
2	2,194.59	2	1,837.81	2	1,481.73	2	1,128.11	2	781.15	2	423.98	2	69.33	2	2	2	2	2	2		
1/4	2,187.16	1/4	1,830.40	1/4	1,474.30	1/4	1,120.94	1/4	773.71	1/4	416.54	1/4	63.15	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,179.73	1/2	1,822.99	1/2	1,466.86	1/2	1,113.77	1/2	766.27	1/2	409.10	1/2	56.96	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,172.31	3/4	1,815.57	3/4	1,459.42	3/4	1,106.60	3/4	758.83	3/4	401.66	3/4	50.78	3/4	3/4	3/4	3/4	3/4	3/4		
3	2,164.88	3	1,808.16	3	1,451.98	3	1,099.43	3	751.39	3	394.22	3	45.85	3	3	3	3	3	3		
1/4	2,157.46	1/4	1,800.75	1/4	1,444.54	1/4	1,092.25	1/4	743.95	1/4	386.78	1/4	40.92	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,150.03	1/2	1,793.33	1/2	1,437.10	1/2	1,085.08	1/2	736.50	1/2	379.34	1/2	35.99	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,142.61	3/4	1,785.92	3/4	1,429.66	3/4	1,077.91	3/4	729.06	3/4	371.90	3/4	31.06	3/4	3/4	3/4	3/4	3/4	3/4		
4	2,135.17	4	1,778.51	4	1,422.22	4	1,070.75	4	721.62	4	364.45	4	27.40	4	4	4	4	4	4		
1/4	2,127.73	1/4	1,771.09	1/4	1,414.78	1/4	1,063.60	1/4	714.18	1/4	357.01	1/4	23.73	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,120.29	1/2	1,763.68	1/2	1,407.34	1/2	1,056.44	1/2	706.74	1/2	349.57	1/2	20.60	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,112.85	3/4	1,756.27	3/4	1,399.90	3/4	1,049.28	3/4	699.30	3/4	342.13	3/4	16.40	3/4	3/4	3/4	3/4	3/4	3/4		
5	2,105.41	5	1,748.85	5	1,392.46	5	1,042.12	5	691.86	5	334.69	5		5	5	5	5	5	5		
1/4	2,097.97	1/4	1,741.44	1/4	1,385.02	1/4	1,034.97	1/4	684.42	1/4	327.25	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,090.53	1/2	1,734.03	1/2	1,377.58	1/2	1,027.81	1/2	676.98	1/2	319.81	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,083.09	3/4	1,726.61	3/4	1,370.14	3/4	1,020.65	3/4	669.54	3/4	312.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
6	2,075.65	6	1,719.20	6	1,362.70	6	1,013.50	6	662.09	6	304.93	6		6	6	6	6	6	6		
1/4	2,068.21	1/4	1,711.79	1/4	1,355.26	1/4	1,006.34	1/4	654.65	1/4	297.49	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,060.77	1/2	1,704.37	1/2	1,347.82	1/2	999.19	1/2	647.21	1/2	290.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,053.33	3/4	1,696.96	3/4	1,340.38	3/4	992.03	3/4	639.77	3/4	282.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
7	2,045.89	7	1,689.55	7	1,332.94	7	984.88	7	632.33	7	275.16	7		7	7	7	7	7	7		
1/4	2,038.45	1/4	1,682.13	1/4	1,325.50	1/4	977.73	1/4	624.89	1/4	267.72	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,031.01	1/2	1,674.72	1/2	1,318.06	1/2	970.58	1/2	617.45	1/2	260.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,023.57	3/4	1,667.31	3/4	1,310.62	3/4	963.43	3/4	610.01	3/4	252.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
8	2,016.13	8	1,659.89	8	1,303.18	8	956.28	8	602.57	8	245.40	8		8	8	8	8	8	8		
1/4	2,008.69	1/4	1,652.48	1/4	1,295.74	1/4	949.13	1/4	595.13	1/4	237.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,001.25	1/2	1,645.07	1/2	1,288.30	1/2	941.98	1/2	587.68	1/2	230.52	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,993.81	3/4	1,637.65	3/4	1,280.86	3/4	934.83	3/4	580.24	3/4	223.08	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
9	1,986.37	9	1,630.24	9	1,273.42	9	927.68	9	572.80	9	215.63	9		9	9	9	9	9	9		
1/4	1,978.93	1/4	1,622.83	1/4	1,265.98	1/4	920.53	1/4	565.36	1/4	208.19	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,971.49	1/2	1,615.41	1/2	1,258.54	1/2	913.38	1/2	557.92	1/2	200.75	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,964.05	3/4	1,608.00	3/4	1,251.10	3/4	906.23	3/4	550.48	3/4	193.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
10	1,956.61	10	1,600.59	10	1,243.66	10	899.08	10	543.04	10	185.87	10		10	10	10	10	10	10		
1/4	1,949.17	1/4	1,593.17	1/4	1,236.22	1/4	891.93	1/4	535.60	1/4	178.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,941.73	1/2	1,585.76	1/2	1,228.79	1/2	884.78	1/2	528.16	1/2	170.99	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,934.29	3/4	1,578.35	3/4	1,221.35	3/4	877.63	3/4	520.72	3/4	163.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
11	1,926.85	11	1,570.93	11	1,214.17	11	870.21	11	513.27	11	156.11	11		11	11	11	11	11	11		
1/4	1,919.41	1/4	1,563.52	1/4	1,207.00	1/4	862.79	1/4	505.83	1/4	148.67	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,911.98	1/2	1,556.11	1/2	1,199.83	1/2	855.37	1/2	498.39	1/2	141.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,904.54	3/4	1,548.69	3/4	1,192.66	3/4	847.95	3/4	490.95	3/4	133.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2011 CL - SW
CALCULATED: 10/31/2011 CL
PRINTED: 10/31/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2011

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



BARGE "KIRBY 28175"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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
							4,375.72		4,132.95		3,884.90		3,624.87		3,353.21		2,995.48		2,637.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,371.54	1/4	4,127.90	1/4	3,879.60	1/4	3,619.31	1/4	3,345.76	1/4	2,988.03	1/4	2,630.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,367.37	1/2	4,122.85	1/2	3,874.30	1/2	3,613.75	1/2	3,338.31	1/2	2,980.57	1/2	2,622.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,363.19	3/4	4,117.80	3/4	3,869.00	3/4	3,608.20	3/4	3,330.85	3/4	2,973.12	3/4	2,615.39
1	1	1	1	1	1	1	4,359.02	1	4,112.75	1	3,863.69	1	3,602.64	1	3,323.40	1	2,965.67	1	2,607.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,353.64	1/4	4,107.68	1/4	3,858.37	1/4	3,597.07	1/4	3,315.95	1/4	2,958.21	1/4	2,600.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,348.26	1/2	4,102.60	1/2	3,853.05	1/2	3,591.49	1/2	3,308.50	1/2	2,950.76	1/2	2,593.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,342.88	3/4	4,097.53	3/4	3,847.73	3/4	3,585.92	3/4	3,301.04	3/4	2,943.31	3/4	2,585.57
2	2	2	2	2	2	2	4,337.50	2	4,092.45	2	3,842.41	2	3,580.35	2	3,293.59	2	2,935.86	2	2,578.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,331.77	1/4	4,087.36	1/4	3,837.06	1/4	3,574.75	1/4	3,286.14	1/4	2,928.40	1/4	2,570.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,326.04	1/2	4,082.27	1/2	3,831.72	1/2	3,569.16	1/2	3,278.68	1/2	2,920.95	1/2	2,563.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,320.31	3/4	4,077.18	3/4	3,826.37	3/4	3,563.57	3/4	3,271.23	3/4	2,913.50	3/4	2,555.76
3	3	3	3	3	3	3	4,314.59	3	4,072.08	3	3,821.03	3	3,557.98	3	3,263.78	3	2,906.04	3	2,548.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,308.86	1/4	4,066.97	1/4	3,815.66	1/4	3,552.36	1/4	3,256.33	1/4	2,898.59	1/4	2,540.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,303.13	1/2	4,061.85	1/2	3,810.30	1/2	3,546.74	1/2	3,248.87	1/2	2,891.14	1/2	2,533.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,297.40	3/4	4,056.74	3/4	3,804.94	3/4	3,541.13	3/4	3,241.42	3/4	2,883.69	3/4	2,525.95
4	4	4	4	4	4	4	4,291.67	4	4,051.62	4	3,799.57	4	3,535.51	4	3,233.97	4	2,876.23	4	2,518.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,286.79	1/4	4,046.49	1/4	3,794.19	1/4	3,529.88	1/4	3,226.51	1/4	2,868.78	1/4	2,511.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,281.90	1/2	4,041.35	1/2	3,788.80	1/2	3,524.24	1/2	3,219.06	1/2	2,861.33	1/2	2,503.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,277.01	3/4	4,036.22	3/4	3,783.41	3/4	3,518.61	3/4	3,211.61	3/4	2,853.87	3/4	2,496.14
5	5	5	5	5	5	5	4,272.13	5	4,031.08	5	3,778.03	5	3,512.97	5	3,204.16	5	2,846.42	5	2,488.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,267.22	1/4	4,025.92	1/4	3,772.62	1/4	3,507.32	1/4	3,196.70	1/4	2,838.97	1/4	2,481.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,262.31	1/2	4,020.77	1/2	3,767.21	1/2	3,501.66	1/2	3,189.25	1/2	2,831.52	1/2	2,473.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,257.41	3/4	4,015.61	3/4	3,761.81	3/4	3,496.00	3/4	3,181.80	3/4	2,824.06	3/4	2,466.33
6	6	6	6	6	6	6	4,252.50	6	4,010.45	6	3,756.40	6	3,490.34	6	3,174.35	6	2,816.61	6	2,458.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,247.57	1/4	4,005.27	1/4	3,750.97	1/4	3,484.67	1/4	3,166.89	1/4	2,809.16	1/4	2,451.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,242.64	1/2	4,000.10	1/2	3,745.55	1/2	3,478.99	1/2	3,159.44	1/2	2,801.71	1/2	2,443.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,237.71	3/4	3,994.92	3/4	3,740.12	3/4	3,473.31	3/4	3,151.99	3/4	2,794.25	3/4	2,436.52
7	7	7	7	7	7	7	4,232.78	7	3,989.74	7	3,734.69	7	3,467.64	7	3,144.53	7	2,786.80	7	2,429.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,227.83	1/4	3,984.54	1/4	3,729.24	1/4	3,461.94	1/4	3,137.08	1/4	2,779.35	1/4	2,421.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,222.89	1/2	3,979.34	1/2	3,723.79	1/2	3,456.24	1/2	3,129.63	1/2	2,771.89	1/2	2,414.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,217.94	3/4	3,974.14	3/4	3,718.35	3/4	3,450.54	3/4	3,122.18	3/4	2,764.44	3/4	2,406.71
8	8	8	8	8	8	8	4,212.99	8	3,968.94	8	3,712.90	8	3,444.84	8	3,114.72	8	2,756.99	8	2,399.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,208.02	1/4	3,963.72	1/4	3,707.43	1/4	3,439.12	1/4	3,107.27	1/4	2,749.54	1/4	2,391.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,203.05	1/2	3,958.50	1/2	3,701.95	1/2	3,433.40	1/2	3,099.82	1/2	2,742.08	1/2	2,384.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,198.07	3/4	3,953.28	3/4	3,696.48	3/4	3,427.68	3/4	3,092.36	3/4	2,734.63	3/4	2,376.90
9	9	9	9	9	9	9	4,193.10	9	3,948.07	9	3,691.01	9	3,421.96	9	3,084.91	9	2,727.18	9	2,369.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,188.11	1/4	3,942.82	1/4	3,685.52	1/4	3,416.23	1/4	3,077.46	1/4	2,719.72	1/4	2,361.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,183.12	1/2	3,937.58	1/2	3,680.03	1/2	3,410.50	1/2	3,070.01	1/2	2,712.27	1/2	2,354.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,178.13	3/4	3,932.34	3/4	3,674.54	3/4	3,404.78	3/4	3,062.55	3/4	2,704.82	3/4	2,347.08
10	10	10	10	10	10	10	4,173.14	10	3,927.09	10	3,669.05	10	3,399.05	10	3,055.10	10	2,697.37	10	2,339.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,168.13	1/4	3,921.83	1/4	3,663.54	1/4	3,393.32	1/4	3,047.65	1/4	2,689.91	1/4	2,332.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,163.11	1/2	3,916.57	1/2	3,658.02	1/2	3,387.59	1/2	3,040.19	1/2	2,682.46	1/2	2,324.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,158.09	3/4	3,911.31	3/4	3,652.51	3/4	3,381.86	3/4	3,032.74	3/4	2,675.01	3/4	2,317.27
11	11	11	4,394.35	11	4,153.08	11	3,906.05	11	3,647.00	11	3,376.13	11	3,025.29	11	2,667.55	11	2,309.82		
1/4	1/4	1/4	4,389.69	1/4	4,148.05	1/4	3,900.76	1/4	3,641.46	1/4	3,370.40	1/4	3,017.84	1/4	2,660.10	1/4	2,302.37		
1/2	1/2	1/2	4,385.03	1/2	4,143.02	1/2	3,895.48	1/2	3,635.93	1/2	3,364.67	1/2	3,010.38	1/2	2,652.65	1/2	2,294.91		
3/4	3/4	3/4	4,380.38	3/4	4,137.98	3/4	3,890.19	3/4	3,630.40	3/4	3,358.94	3/4	3,002.93	3/4	2,645.20	3/4	2,287.46		

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'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
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BARGE "KIRBY 28175"

3 STBD ULLAGE 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	2,280.01	0	1,922.27	0	1,564.54	0	1,206.81	0	849.36	0	491.73	0	134.00	0		0		0	
1/4	2,272.56	1/4	1,914.82	1/4	1,557.09	1/4	1,199.35	1/4	841.92	1/4	484.28	1/4	126.55	1/4	1/4	1/4		1/4	
1/2	2,265.10	1/2	1,907.37	1/2	1,549.63	1/2	1,191.90	1/2	834.48	1/2	476.82	1/2	119.10	1/2	1/2	1/2		1/2	
3/4	2,257.65	3/4	1,899.92	3/4	1,542.18	3/4	1,184.45	3/4	827.04	3/4	469.37	3/4	111.65	3/4	3/4	3/4		3/4	
1	2,250.20	1	1,892.46	1	1,534.73	1	1,176.99	1	819.60	1	461.92	1	104.20	1	1	1		1	
1/4	2,242.75	1/4	1,885.01	1/4	1,527.28	1/4	1,169.54	1/4	812.16	1/4	454.47	1/4	97.06	1/4	1/4	1/4		1/4	
1/2	2,235.29	1/2	1,877.56	1/2	1,519.82	1/2	1,162.09	1/2	804.71	1/2	447.01	1/2	89.92	1/2	1/2	1/2		1/2	
3/4	2,227.84	3/4	1,870.11	3/4	1,512.37	3/4	1,154.64	3/4	797.27	3/4	439.56	3/4	82.78	3/4	3/4	3/4		3/4	
2	2,220.39	2	1,862.65	2	1,504.92	2	1,147.18	2	789.83	2	432.11	2	75.65	2	2	2		2	
1/4	2,212.93	1/4	1,855.20	1/4	1,497.47	1/4	1,139.73	1/4	782.38	1/4	424.66	1/4	69.45	1/4	1/4	1/4		1/4	
1/2	2,205.48	1/2	1,847.75	1/2	1,490.01	1/2	1,132.28	1/2	774.93	1/2	417.20	1/2	63.25	1/2	1/2	1/2		1/2	
3/4	2,198.03	3/4	1,840.29	3/4	1,482.56	3/4	1,124.83	3/4	767.48	3/4	409.75	3/4	57.06	3/4	3/4	3/4		3/4	
3	2,190.58	3	1,832.84	3	1,475.11	3	1,117.37	3	760.02	3	402.30	3	50.86	3	3	3		3	
1/4	2,183.12	1/4	1,825.39	1/4	1,467.65	1/4	1,109.92	1/4	752.57	1/4	394.85	1/4	45.92	1/4	1/4	1/4		1/4	
1/2	2,175.67	1/2	1,817.94	1/2	1,460.20	1/2	1,102.47	1/2	745.12	1/2	387.39	1/2	40.98	1/2	1/2	1/2		1/2	
3/4	2,168.22	3/4	1,810.48	3/4	1,452.75	3/4	1,095.01	3/4	737.66	3/4	379.94	3/4	36.04	3/4	3/4	3/4		3/4	
4	2,160.76	4	1,803.03	4	1,445.30	4	1,087.56	4	730.21	4	372.49	4	31.10	4	4	4		4	
1/4	2,153.31	1/4	1,795.58	1/4	1,437.84	1/4	1,080.11	1/4	722.76	1/4	365.03	1/4	27.42	1/4	1/4	1/4		1/4	
1/2	2,145.86	1/2	1,788.12	1/2	1,430.39	1/2	1,072.66	1/2	715.31	1/2	357.58	1/2	23.75	1/2	1/2	1/2		1/2	
3/4	2,138.41	3/4	1,780.67	3/4	1,422.94	3/4	1,065.20	3/4	707.85	3/4	350.13	3/4	20.07	3/4	3/4	3/4		3/4	
5	2,130.95	5	1,773.22	5	1,415.48	5	1,057.75	5	700.40	5	342.68	5	16.40	5	5	5		5	
1/4	2,123.50	1/4	1,765.77	1/4	1,408.03	1/4	1,050.30	1/4	692.95	1/4	335.22	1/4		1/4	1/4	1/4		1/4	
1/2	2,116.05	1/2	1,758.31	1/2	1,400.58	1/2	1,042.84	1/2	685.50	1/2	327.77	1/2		1/2	1/2	1/2		1/2	
3/4	2,108.59	3/4	1,750.86	3/4	1,393.13	3/4	1,035.39	3/4	678.04	3/4	320.32	3/4		3/4	3/4	3/4		3/4	
6	2,101.14	6	1,743.41	6	1,385.67	6	1,027.94	6	670.59	6	312.87	6		6	6	6		6	
1/4	2,093.69	1/4	1,735.95	1/4	1,378.22	1/4	1,020.50	1/4	663.14	1/4	305.41	1/4		1/4	1/4	1/4		1/4	
1/2	2,086.24	1/2	1,728.50	1/2	1,370.77	1/2	1,013.06	1/2	655.69	1/2	297.96	1/2		1/2	1/2	1/2		1/2	
3/4	2,078.78	3/4	1,721.05	3/4	1,363.31	3/4	1,005.62	3/4	648.23	3/4	290.51	3/4		3/4	3/4	3/4		3/4	
7	2,071.33	7	1,713.60	7	1,355.86	7	998.18	7	640.78	7	283.06	7		7	7	7		7	
1/4	2,063.88	1/4	1,706.14	1/4	1,348.41	1/4	990.73	1/4	633.33	1/4	275.60	1/4		1/4	1/4	1/4		1/4	
1/2	2,056.43	1/2	1,698.69	1/2	1,340.96	1/2	983.29	1/2	625.88	1/2	268.15	1/2		1/2	1/2	1/2		1/2	
3/4	2,048.97	3/4	1,691.24	3/4	1,333.50	3/4	975.85	3/4	618.42	3/4	260.70	3/4		3/4	3/4	3/4		3/4	
8	2,041.52	8	1,683.79	8	1,326.05	8	968.41	8	610.97	8	253.25	8		8	8	8		8	
1/4	2,034.07	1/4	1,676.33	1/4	1,318.60	1/4	960.97	1/4	603.52	1/4	245.79	1/4		1/4	1/4	1/4		1/4	
1/2	2,026.61	1/2	1,668.88	1/2	1,311.15	1/2	953.53	1/2	596.07	1/2	238.34	1/2		1/2	1/2	1/2		1/2	
3/4	2,019.16	3/4	1,661.43	3/4	1,303.69	3/4	946.09	3/4	588.61	3/4	230.89	3/4		3/4	3/4	3/4		3/4	
9	2,011.71	9	1,653.97	9	1,296.24	9	938.65	9	581.16	9	223.44	9		9	9	9		9	
1/4	2,004.26	1/4	1,646.52	1/4	1,288.79	1/4	931.21	1/4	573.71	1/4	215.98	1/4		1/4	1/4	1/4		1/4	
1/2	1,996.80	1/2	1,639.07	1/2	1,281.33	1/2	923.77	1/2	566.25	1/2	208.53	1/2		1/2	1/2	1/2		1/2	
3/4	1,989.35	3/4	1,631.62	3/4	1,273.88	3/4	916.33	3/4	558.80	3/4	201.08	3/4		3/4	3/4	3/4		3/4	
10	1,981.90	10	1,624.16	10	1,266.43	10	908.89	10	551.35	10	193.62	10		10	10	10		10	
1/4	1,974.44	1/4	1,616.71	1/4	1,258.98	1/4	901.44	1/4	543.90	1/4	186.17	1/4		1/4	1/4	1/4		1/4	
1/2	1,966.99	1/2	1,609.26	1/2	1,251.52	1/2	894.00	1/2	536.44	1/2	178.72	1/2		1/2	1/2	1/2		1/2	
3/4	1,959.54	3/4	1,601.80	3/4	1,244.07	3/4	886.56	3/4	528.99	3/4	171.27	3/4		3/4	3/4	3/4		3/4	
11	1,952.09	11	1,594.35	11	1,236.62	11	879.12	11	521.54	11	163.81	11		11	11	11		11	
1/4	1,944.63	1/4	1,586.90	1/4	1,229.16	1/4	871.68	1/4	514.09	1/4	156.36	1/4		1/4	1/4	1/4		1/4	
1/2	1,937.18	1/2	1,579.45	1/2	1,221.71	1/2	864.24	1/2	506.63	1/2	148.91	1/2		1/2	1/2	1/2		1/2	
3/4	1,929.73	3/4	1,571.99	3/4	1,214.26	3/4	856.80	3/4	499.18	3/4	141.46	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/28/2011 CL - SW
CALCULATED: 10/31/2011 CL
PRINTED: 10/31/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2011

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