



BARGE "KIRBY 28145"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-06"

April 4, 2012

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28145"

1 PORT 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	IN	0
							4,209.43														
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,203.52	1/4	1/4	1/4	3,914.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,197.61	1/2	1/2	1/2	3,908.53	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,191.70	3/4	3/4	3/4	3,902.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	4,185.79	1	1	1	3,896.22	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,179.86	1/4	1/4	1/4	3,890.04	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,173.93	1/2	1/2	1/2	3,883.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,168.00	3/4	3/4	3/4	3,877.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	4,162.07	2	2	2	3,871.50	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,156.11	1/4	1/4	1/4	3,865.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,150.15	1/2	1/2	1/2	3,859.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,144.19	3/4	3/4	3/4	3,852.89	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	4,138.24	3	3	3	3,846.69	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,132.29	1/4	1/4	1/4	3,840.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,126.35	1/2	1/2	1/2	3,834.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,120.40	3/4	3/4	3/4	3,827.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4,114.46	4	4	4	3,821.66	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,108.49	1/4	1/4	1/4	3,815.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,102.52	1/2	1/2	1/2	3,809.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,096.56	3/4	3/4	3/4	3,802.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	4,090.59	5	5	5	3,796.53	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,084.60	1/4	1/4	1/4	3,790.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,078.60	1/2	1/2	1/2	3,783.92	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,072.61	3/4	3/4	3/4	3,777.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	4,066.62	6	6	6	3,771.30	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,358.97	1/4	1/4	1/4	4,060.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,353.79	1/2	1/2	1/2	4,054.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,348.61	3/4	3/4	3/4	4,048.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	4,343.43	7	7	7	4,042.56	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,336.53	1/4	1/4	1/4	4,036.52	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,329.62	1/2	1/2	1/2	4,030.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,322.72	3/4	3/4	3/4	4,024.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	4,315.82	8	8	8	4,018.39	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,308.92	1/4	1/4	1/4	4,012.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,302.01	1/2	1/2	1/2	4,006.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,295.11	3/4	3/4	3/4	4,000.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	4,288.21	9	9	9	3,994.14	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,281.30	1/4	1/4	1/4	3,988.06	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,274.40	1/2	1/2	1/2	3,981.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,267.50	3/4	3/4	3/4	3,975.89	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	4,260.59	10	10	10	3,969.81	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,253.69	1/4	1/4	1/4	3,963.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,246.79	1/2	1/2	1/2	3,957.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,239.88	3/4	3/4	3/4	3,951.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	4,232.98	11	11	11	3,945.36	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,227.09	1/4	1/4	1/4	3,939.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,221.20	1/2	1/2	1/2	3,933.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,215.31	3/4	3/4	3/4	3,926.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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 37'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 28145"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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
1/4	1,971.20	1/4	1,639.85	1/4	1,308.49	1/4	977.56	1/4	661.87	1/4	369.27	1/4	100.25	1/4		1/4		1/4	
1/2	1,964.30	1/2	1,632.95	1/2	1,301.59	1/2	970.74	1/2	655.54	1/2	363.43	1/2	94.91	1/2		1/2		1/2	
3/4	1,957.40	3/4	1,626.04	3/4	1,294.69	3/4	963.91	3/4	649.21	3/4	357.59	3/4	89.56	3/4		3/4		3/4	
1	1,950.49	1	1,619.14	1	1,287.79	1	957.09	1	642.88	1	351.75	1	84.21	1		1		1	
1/4	1,943.59	1/4	1,612.24	1/4	1,280.88	1/4	950.33	1/4	636.59	1/4	345.95	1/4	78.91	1/4		1/4		1/4	
1/2	1,936.69	1/2	1,605.33	1/2	1,273.98	1/2	943.56	1/2	630.30	1/2	340.15	1/2	73.60	1/2		1/2		1/2	
3/4	1,929.78	3/4	1,598.43	3/4	1,267.08	3/4	936.80	3/4	624.01	3/4	334.35	3/4	68.30	3/4		3/4		3/4	
2	1,922.88	2	1,591.53	2	1,260.17	2	930.03	2	617.72	2	328.55	2	63.00	2		2		2	
1/4	1,915.98	1/4	1,584.62	1/4	1,253.27	1/4	923.30	1/4	611.47	1/4	322.80	1/4	57.73	1/4		1/4		1/4	
1/2	1,909.07	1/2	1,577.72	1/2	1,246.37	1/2	916.58	1/2	605.22	1/2	317.04	1/2	52.47	1/2		1/2		1/2	
3/4	1,902.17	3/4	1,570.82	3/4	1,239.46	3/4	909.85	3/4	598.97	3/4	311.28	3/4	47.20	3/4		3/4		3/4	
3	1,895.27	3	1,563.91	3	1,232.56	3	903.13	3	592.72	3	305.52	3	41.93	3		3		3	
1/4	1,888.36	1/4	1,557.01	1/4	1,225.66	1/4	896.44	1/4	586.51	1/4	299.80	1/4	37.58	1/4		1/4		1/4	
1/2	1,881.46	1/2	1,550.11	1/2	1,218.75	1/2	889.76	1/2	580.30	1/2	294.09	1/2	33.22	1/2		1/2		1/2	
3/4	1,874.56	3/4	1,543.20	3/4	1,211.85	3/4	883.08	3/4	574.09	3/4	288.37	3/4	28.86	3/4		3/4		3/4	
4	1,867.65	4	1,536.30	4	1,204.95	4	876.39	4	567.88	4	282.65	4	24.50	4		4		4	
1/4	1,860.75	1/4	1,529.40	1/4	1,198.04	1/4	869.75	1/4	561.72	1/4	276.98	1/4	21.91	1/4		1/4		1/4	
1/2	1,853.85	1/2	1,522.49	1/2	1,191.14	1/2	863.11	1/2	555.55	1/2	271.30	1/2	19.32	1/2		1/2		1/2	
3/4	1,846.94	3/4	1,515.59	3/4	1,184.24	3/4	856.46	3/4	549.38	3/4	265.62	3/4	16.72	3/4		3/4		3/4	
5	1,840.04	5	1,508.69	5	1,177.33	5	849.82	5	543.21	5	259.94	5	14.13	5		5		5	
1/4	1,833.14	1/4	1,501.78	1/4	1,170.43	1/4	843.22	1/4	537.09	1/4	254.31	1/4		1/4		1/4		1/4	
1/2	1,826.23	1/2	1,494.88	1/2	1,163.53	1/2	836.61	1/2	530.96	1/2	248.68	1/2		1/2		1/2		1/2	
3/4	1,819.33	3/4	1,487.98	3/4	1,156.62	3/4	830.01	3/4	524.83	3/4	243.04	3/4		3/4		3/4		3/4	
6	1,812.43	6	1,481.07	6	1,149.72	6	823.41	6	518.71	6	237.41	6		6		6		6	
1/4	1,805.53	1/4	1,474.17	1/4	1,142.82	1/4	816.85	1/4	512.62	1/4	231.81	1/4		1/4		1/4		1/4	
1/2	1,798.62	1/2	1,467.27	1/2	1,135.91	1/2	810.29	1/2	506.54	1/2	226.22	1/2		1/2		1/2		1/2	
3/4	1,791.72	3/4	1,460.37	3/4	1,129.01	3/4	803.72	3/4	500.45	3/4	220.62	3/4		3/4		3/4		3/4	
7	1,784.82	7	1,453.46	7	1,122.11	7	797.16	7	494.36	7	215.02	7		7		7		7	
1/4	1,777.91	1/4	1,446.56	1/4	1,115.21	1/4	790.64	1/4	488.32	1/4	209.47	1/4		1/4		1/4		1/4	
1/2	1,771.01	1/2	1,439.66	1/2	1,108.30	1/2	784.12	1/2	482.27	1/2	203.92	1/2		1/2		1/2		1/2	
3/4	1,764.11	3/4	1,432.75	3/4	1,101.40	3/4	777.60	3/4	476.23	3/4	198.37	3/4		3/4		3/4		3/4	
8	1,757.20	8	1,425.85	8	1,094.50	8	771.08	8	470.19	8	192.82	8		8		8		8	
1/4	1,750.30	1/4	1,418.95	1/4	1,087.59	1/4	764.60	1/4	464.18	1/4	187.30	1/4		1/4		1/4		1/4	
1/2	1,743.40	1/2	1,412.04	1/2	1,080.69	1/2	758.12	1/2	458.18	1/2	181.79	1/2		1/2		1/2		1/2	
3/4	1,736.49	3/4	1,405.14	3/4	1,073.79	3/4	751.64	3/4	452.17	3/4	176.27	3/4		3/4		3/4		3/4	
9	1,729.59	9	1,398.24	9	1,066.89	9	745.16	9	446.17	9	170.76	9		9		9		9	
1/4	1,722.69	1/4	1,391.33	1/4	1,059.99	1/4	738.71	1/4	440.21	1/4	165.29	1/4		1/4		1/4		1/4	
1/2	1,715.78	1/2	1,384.43	1/2	1,053.10	1/2	732.26	1/2	434.24	1/2	159.82	1/2		1/2		1/2		1/2	
3/4	1,708.88	3/4	1,377.53	3/4	1,046.21	3/4	725.80	3/4	428.28	3/4	154.35	3/4		3/4		3/4		3/4	
10	1,701.98	10	1,370.62	10	1,039.31	10	719.35	10	422.32	10	148.88	10		10		10		10	
1/4	1,695.07	1/4	1,363.72	1/4	1,032.43	1/4	712.93	1/4	416.40	1/4	143.45	1/4		1/4		1/4		1/4	
1/2	1,688.17	1/2	1,356.82	1/2	1,025.55	1/2	706.52	1/2	410.48	1/2	138.01	1/2		1/2		1/2		1/2	
3/4	1,681.27	3/4	1,349.91	3/4	1,018.68	3/4	700.11	3/4	404.55	3/4	132.58	3/4		3/4		3/4		3/4	
11	1,674.36	11	1,343.01	11	1,011.80	11	693.69	11	398.63	11	127.15	11		11		11		11	
1/4	1,667.46	1/4	1,336.11	1/4	1,004.94	1/4	687.32	1/4	392.75	1/4	121.76	1/4		1/4		1/4		1/4	
1/2	1,660.56	1/2	1,329.20	1/2	998.09	1/2	680.95	1/2	386.87	1/2	116.37	1/2		1/2		1/2		1/2	
3/4	1,653.65	3/4	1,322.30	3/4	991.23	3/4	674.58	3/4	380.99	3/4	110.99	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/04/2012 CL - SW
CALCULATED: 04/04/2012 CL
PRINTED: 04/04/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2012

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



BARGE "KIRBY 28145"

1 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	1,976.33	0	1,644.98	0	1,313.62	0	982.72	0	668.19	0	375.10	0	105.60	0		0		0	
1/4	1,969.43	1/4	1,638.07	1/4	1,306.72	1/4	975.94	1/4	661.86	1/4	369.26	1/4	100.25	1/4		1/4		1/4	
1/2	1,962.52	1/2	1,631.17	1/2	1,299.82	1/2	969.15	1/2	655.53	1/2	363.42	1/2	94.90	1/2		1/2		1/2	
3/4	1,955.62	3/4	1,624.27	3/4	1,292.91	3/4	962.36	3/4	649.20	3/4	357.58	3/4	89.55	3/4		3/4		3/4	
1	1,948.72	1	1,617.36	1	1,286.01	1	955.58	1	642.86	1	351.74	1	84.21	1		1		1	
1/4	1,941.81	1/4	1,610.46	1/4	1,279.11	1/4	948.85	1/4	636.57	1/4	345.94	1/4	78.90	1/4		1/4		1/4	
1/2	1,934.91	1/2	1,603.56	1/2	1,272.20	1/2	942.13	1/2	630.28	1/2	340.14	1/2	73.60	1/2		1/2		1/2	
3/4	1,928.01	3/4	1,596.65	3/4	1,265.30	3/4	935.40	3/4	624.00	3/4	334.35	3/4	68.30	3/4		3/4		3/4	
2	1,921.10	2	1,589.75	2	1,258.40	2	928.67	2	617.71	2	328.55	2	62.99	2		2		2	
1/4	1,914.20	1/4	1,582.85	1/4	1,251.49	1/4	921.98	1/4	611.46	1/4	322.79	1/4	57.73	1/4		1/4		1/4	
1/2	1,907.30	1/2	1,575.94	1/2	1,244.59	1/2	915.30	1/2	605.21	1/2	317.03	1/2	52.46	1/2		1/2		1/2	
3/4	1,900.39	3/4	1,569.04	3/4	1,237.69	3/4	908.61	3/4	598.96	3/4	311.27	3/4	47.20	3/4		3/4		3/4	
3	1,893.49	3	1,562.14	3	1,230.78	3	901.92	3	592.71	3	305.51	3	41.93	3		3		3	
1/4	1,886.59	1/4	1,555.23	1/4	1,223.88	1/4	895.28	1/4	586.50	1/4	299.80	1/4	37.57	1/4		1/4		1/4	
1/2	1,879.68	1/2	1,548.33	1/2	1,216.98	1/2	888.63	1/2	580.29	1/2	294.08	1/2	33.22	1/2		1/2		1/2	
3/4	1,872.78	3/4	1,541.43	3/4	1,210.07	3/4	881.99	3/4	574.08	3/4	288.36	3/4	28.86	3/4		3/4		3/4	
4	1,865.88	4	1,534.52	4	1,203.17	4	875.34	4	567.87	4	282.65	4	24.50	4		4		4	
1/4	1,858.97	1/4	1,527.62	1/4	1,196.27	1/4	868.74	1/4	561.71	1/4	276.97	1/4	21.91	1/4		1/4		1/4	
1/2	1,852.07	1/2	1,520.72	1/2	1,189.36	1/2	862.13	1/2	555.54	1/2	271.29	1/2	19.32	1/2		1/2		1/2	
3/4	1,845.17	3/4	1,513.81	3/4	1,182.46	3/4	855.53	3/4	549.37	3/4	265.62	3/4	16.72	3/4		3/4		3/4	
5	1,838.26	5	1,506.91	5	1,175.56	5	848.92	5	543.20	5	259.94	5	14.13	5		5		5	
1/4	1,831.36	1/4	1,500.01	1/4	1,168.65	1/4	842.36	1/4	537.08	1/4	254.30	1/4		1/4		1/4		1/4	
1/2	1,824.46	1/2	1,493.10	1/2	1,161.75	1/2	835.80	1/2	530.95	1/2	248.67	1/2		1/2		1/2		1/2	
3/4	1,817.56	3/4	1,486.20	3/4	1,154.85	3/4	829.24	3/4	524.82	3/4	243.04	3/4		3/4		3/4		3/4	
6	1,810.65	6	1,479.30	6	1,147.94	6	822.67	6	518.70	6	237.40	6		6		6		6	
1/4	1,803.75	1/4	1,472.40	1/4	1,141.04	1/4	816.15	1/4	512.61	1/4	231.81	1/4		1/4		1/4		1/4	
1/2	1,796.85	1/2	1,465.49	1/2	1,134.14	1/2	809.63	1/2	506.53	1/2	226.21	1/2		1/2		1/2		1/2	
3/4	1,789.94	3/4	1,458.59	3/4	1,127.24	3/4	803.10	3/4	500.44	3/4	220.62	3/4		3/4		3/4		3/4	
7	1,783.04	7	1,451.69	7	1,120.33	7	796.58	7	494.35	7	215.02	7		7		7		7	
1/4	1,776.14	1/4	1,444.78	1/4	1,113.43	1/4	790.10	1/4	488.31	1/4	209.47	1/4		1/4		1/4		1/4	
1/2	1,769.23	1/2	1,437.88	1/2	1,106.53	1/2	783.62	1/2	482.27	1/2	203.92	1/2		1/2		1/2		1/2	
3/4	1,762.33	3/4	1,430.98	3/4	1,099.62	3/4	777.13	3/4	476.22	3/4	198.37	3/4		3/4		3/4		3/4	
8	1,755.43	8	1,424.07	8	1,092.72	8	770.65	8	470.18	8	192.81	8		8		8		8	
1/4	1,748.52	1/4	1,417.17	1/4	1,085.82	1/4	764.21	1/4	464.17	1/4	187.30	1/4		1/4		1/4		1/4	
1/2	1,741.62	1/2	1,410.27	1/2	1,078.92	1/2	757.77	1/2	458.17	1/2	181.79	1/2		1/2		1/2		1/2	
3/4	1,734.72	3/4	1,403.36	3/4	1,072.01	3/4	751.33	3/4	452.16	3/4	176.27	3/4		3/4		3/4		3/4	
9	1,727.81	9	1,396.46	9	1,065.11	9	744.89	9	446.16	9	170.76	9		9		9		9	
1/4	1,720.91	1/4	1,389.56	1/4	1,058.22	1/4	738.47	1/4	440.20	1/4	165.29	1/4		1/4		1/4		1/4	
1/2	1,714.01	1/2	1,382.65	1/2	1,051.32	1/2	732.05	1/2	434.24	1/2	159.82	1/2		1/2		1/2		1/2	
3/4	1,707.10	3/4	1,375.75	3/4	1,044.43	3/4	725.63	3/4	428.27	3/4	154.35	3/4		3/4		3/4		3/4	
10	1,700.20	10	1,368.85	10	1,037.53	10	719.22	10	422.31	10	148.88	10		10		10		10	
1/4	1,693.30	1/4	1,361.94	1/4	1,030.66	1/4	712.83	1/4	416.39	1/4	143.45	1/4		1/4		1/4		1/4	
1/2	1,686.39	1/2	1,355.04	1/2	1,023.78	1/2	706.45	1/2	410.47	1/2	138.01	1/2		1/2		1/2		1/2	
3/4	1,679.49	3/4	1,348.14	3/4	1,016.90	3/4	700.06	3/4	404.54	3/4	132.58	3/4		3/4		3/4		3/4	
11	1,672.59	11	1,341.23	11	1,010.02	11	693.68	11	398.62	11	127.14	11		11		11		11	
1/4	1,665.68	1/4	1,334.33	1/4	1,003.20	1/4	687.31	1/4	392.74	1/4	121.76	1/4		1/4		1/4		1/4	
1/2	1,658.78	1/2	1,327.43	1/2	996.37	1/2	680.94	1/2	386.86	1/2	116.37	1/2		1/2		1/2		1/2	
3/4	1,651.88	3/4	1,320.52	3/4	989.55	3/4	674.56	3/4	380.98	3/4	110.99	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/04/2012 CL - SW
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BARGE "KIRBY 28145"

2 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		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	5,093.79	0	4,756.64	0	4,401.91	0	4,030.56	0	3,644.96	0	3,256.97	0	2,868.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,086.86	1/4	4,749.47	1/4	4,394.33	1/4	4,022.66	1/4	3,636.88	1/4	3,248.89	1/4	2,860.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,079.94	1/2	4,742.29	1/2	4,386.75	1/2	4,014.75	1/2	3,628.80	1/2	3,240.81	1/2	2,852.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,073.02	3/4	4,735.12	3/4	4,379.17	3/4	4,006.84	3/4	3,620.71	3/4	3,232.73	3/4	2,844.67
1	1	1	1	1	1	1	5,066.07	1	4,727.91	1	4,371.56	1	3,998.90	1	3,612.63	1	3,224.64	1	2,836.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,059.13	1/4	4,720.71	1/4	4,363.96	1/4	3,990.96	1/4	3,604.55	1/4	3,216.56	1/4	2,828.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,052.18	1/2	4,713.50	1/2	4,356.35	1/2	3,983.02	1/2	3,596.46	1/2	3,208.48	1/2	2,820.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,045.23	3/4	4,706.29	3/4	4,348.75	3/4	3,975.07	3/4	3,588.38	3/4	3,200.39	3/4	2,812.33
2	2	2	2	2	2	2	5,038.26	2	4,699.06	2	4,341.12	2	3,967.11	2	3,580.30	2	3,192.31	2	2,804.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,031.28	1/4	4,691.83	1/4	4,333.49	1/4	3,959.15	1/4	3,572.22	1/4	3,184.23	1/4	2,796.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,024.30	1/2	4,684.60	1/2	4,325.86	1/2	3,951.18	1/2	3,564.13	1/2	3,176.14	1/2	2,788.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,017.32	3/4	4,677.36	3/4	4,318.23	3/4	3,943.22	3/4	3,556.05	3/4	3,168.06	3/4	2,779.99
3	3	3	3	3	3	3	5,010.39	3	4,670.04	3	4,310.57	3	3,935.23	3	3,547.97	3	3,159.98	3	2,771.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,003.46	1/4	4,662.71	1/4	4,302.90	1/4	3,927.24	1/4	3,539.88	1/4	3,151.89	1/4	2,763.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,996.52	1/2	4,655.38	1/2	4,295.24	1/2	3,919.25	1/2	3,531.80	1/2	3,143.81	1/2	2,755.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,989.59	3/4	4,648.05	3/4	4,287.58	3/4	3,911.27	3/4	3,523.72	3/4	3,135.73	3/4	2,747.64
4	4	4	4	4	4	4	4,982.64	4	4,640.69	4	4,279.90	4	3,903.24	4	3,515.63	4	3,127.65	4	2,739.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,975.68	1/4	4,633.33	1/4	4,272.21	1/4	3,895.22	1/4	3,507.55	1/4	3,119.56	1/4	2,731.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,968.72	1/2	4,625.97	1/2	4,264.52	1/2	3,887.20	1/2	3,499.47	1/2	3,111.48	1/2	2,723.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,961.76	3/4	4,618.61	3/4	4,256.84	3/4	3,879.17	3/4	3,491.38	3/4	3,103.40	3/4	2,715.30
5	5	5	5	5	5	5	4,954.77	5	4,611.23	5	4,249.11	5	3,871.13	5	3,483.30	5	3,095.31	5	2,707.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,947.79	1/4	4,603.85	1/4	4,241.39	1/4	3,863.08	1/4	3,475.22	1/4	3,087.23	1/4	2,699.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,940.80	1/2	4,596.46	1/2	4,233.67	1/2	3,855.04	1/2	3,467.14	1/2	3,079.15	1/2	2,691.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,933.81	3/4	4,589.08	3/4	4,225.95	3/4	3,846.99	3/4	3,459.05	3/4	3,071.06	3/4	2,682.96
6	6	6	6	6	6	6	4,926.79	6	4,581.66	6	4,218.21	6	3,838.92	6	3,450.97	6	3,062.98	6	2,674.87
1/4	1/4	1/4	5,269.80	1/4	4,919.78	1/4	4,574.24	1/4	4,210.47	1/4	3,830.85	1/4	3,442.89	1/4	3,054.90	1/4	2,666.78		
1/2	1/2	1/2	5,263.73	1/2	4,912.77	1/2	4,566.82	1/2	4,202.72	1/2	3,822.78	1/2	3,434.80	1/2	3,046.81	1/2	2,658.70		
3/4	3/4	3/4	5,257.67	3/4	4,905.75	3/4	4,559.40	3/4	4,194.98	3/4	3,814.71	3/4	3,426.72	3/4	3,038.73	3/4	2,650.61		
7	7	7	5,249.58	7	4,898.71	7	4,551.96	7	4,187.21	7	3,806.63	7	3,418.64	7	3,030.65	7	2,642.53		
1/4	1/4	1/4	5,241.50	1/4	4,891.66	1/4	4,544.52	1/4	4,179.44	1/4	3,798.54	1/4	3,410.55	1/4	3,022.56	1/4	2,634.44		
1/2	1/2	1/2	5,233.41	1/2	4,884.62	1/2	4,537.08	1/2	4,171.67	1/2	3,790.46	1/2	3,402.47	1/2	3,014.47	1/2	2,626.36		
3/4	3/4	3/4	5,225.33	3/4	4,877.57	3/4	4,529.64	3/4	4,163.91	3/4	3,782.38	3/4	3,394.39	3/4	3,006.39	3/4	2,618.27		
8	8	8	5,217.24	8	4,870.50	8	4,522.17	8	4,156.10	8	3,774.29	8	3,386.30	8	2,998.30	8	2,610.18		
1/4	1/4	1/4	5,209.16	1/4	4,863.43	1/4	4,514.70	1/4	4,148.30	1/4	3,766.21	1/4	3,378.22	1/4	2,990.22	1/4	2,602.10		
1/2	1/2	1/2	5,201.07	1/2	4,856.37	1/2	4,507.24	1/2	4,140.50	1/2	3,758.13	1/2	3,370.14	1/2	2,982.13	1/2	2,594.01		
3/4	3/4	3/4	5,192.98	3/4	4,849.30	3/4	4,499.77	3/4	4,132.70	3/4	3,750.04	3/4	3,362.05	3/4	2,974.04	3/4	2,585.93		
9	9	9	5,184.90	9	4,842.20	9	4,492.27	9	4,124.87	9	3,741.96	9	3,353.97	9	2,965.96	9	2,577.84		
1/4	1/4	1/4	5,176.81	1/4	4,835.11	1/4	4,484.77	1/4	4,117.05	1/4	3,733.88	1/4	3,345.89	1/4	2,957.87	1/4	2,569.75		
1/2	1/2	1/2	5,168.73	1/2	4,828.02	1/2	4,477.27	1/2	4,109.22	1/2	3,725.79	1/2	3,337.81	1/2	2,949.79	1/2	2,561.67		
3/4	3/4	3/4	5,160.64	3/4	4,820.92	3/4	4,469.77	3/4	4,101.40	3/4	3,717.71	3/4	3,329.72	3/4	2,941.70	3/4	2,553.58		
10	10	10	5,152.56	10	4,813.80	10	4,462.25	10	4,093.55	10	3,709.63	10	3,321.64	10	2,933.62	10	2,545.50		
1/4	1/4	1/4	5,144.47	1/4	4,806.67	1/4	4,454.73	1/4	4,085.70	1/4	3,701.55	1/4	3,313.56	1/4	2,925.53	1/4	2,537.41		
1/2	1/2	1/2	5,136.38	1/2	4,799.55	1/2	4,447.20	1/2	4,077.85	1/2	3,693.46	1/2	3,305.47	1/2	2,917.44	1/2	2,529.33		
3/4	3/4	3/4	5,128.30	3/4	4,792.42	3/4	4,439.68	3/4	4,070.00	3/4	3,685.38	3/4	3,297.39	3/4	2,909.36	3/4	2,521.24		
11	11	11	5,121.40	11	4,785.27	11	4,432.13	11	4,062.12	11	3,677.30	11	3,289.31	11	2,901.27	11	2,513.15		
1/4	1/4	1/4	5,114.50	1/4	4,778.12	1/4	4,424.58	1/4	4,054.23	1/4	3,669.21	1/4	3,281.22	1/4	2,893.19	1/4	2,505.07		
1/2	1/2	1/2	5,107.60	1/2	4,770.97	1/2	4,417.04	1/2	4,046.35	1/2	3,661.13	1/2	3,273.14	1/2	2,885.10	1/2	2,496.98		
3/4	3/4	3/4	5,100.71	3/4	4,763.82	3/4	4,409.49	3/4	4,038.47	3/4	3,653.05	3/4	3,265.06	3/4	2,877.01	3/4	2,488.90		

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 43'-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 28145"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,480.81	0	2,092.69	0	1,704.57	0	1,316.46	0	928.34	0	541.10	0	153.40	0		0		0	
1/4	2,472.72	1/4	2,084.61	1/4	1,696.49	1/4	1,308.37	1/4	920.25	1/4	533.02	1/4	145.32	1/4	1/4	1/4		1/4	1/4
1/2	2,464.64	1/2	2,076.52	1/2	1,688.40	1/2	1,300.28	1/2	912.17	1/2	524.95	1/2	137.24	1/2	1/2	1/2		1/2	1/2
3/4	2,456.55	3/4	2,068.43	3/4	1,680.32	3/4	1,292.20	3/4	904.08	3/4	516.87	3/4	129.17	3/4	3/4	3/4		3/4	3/4
1	2,448.47	1	2,060.35	1	1,672.23	1	1,284.11	1	896.01	1	508.79	1	121.09	1	1	1		1	1
1/4	2,440.38	1/4	2,052.26	1/4	1,664.14	1/4	1,276.03	1/4	887.93	1/4	500.71	1/4	113.01	1/4	1/4	1/4		1/4	1/4
1/2	2,432.30	1/2	2,044.18	1/2	1,656.06	1/2	1,267.94	1/2	879.86	1/2	492.64	1/2	104.94	1/2	1/2	1/2		1/2	1/2
3/4	2,424.21	3/4	2,036.09	3/4	1,647.97	3/4	1,259.85	3/4	871.79	3/4	484.56	3/4	96.86	3/4	3/4	3/4		3/4	3/4
2	2,416.12	2	2,028.01	2	1,639.89	2	1,251.77	2	863.72	2	476.48	2	88.78	2	2	2		2	2
1/4	2,408.04	1/4	2,019.92	1/4	1,631.80	1/4	1,243.68	1/4	855.66	1/4	468.41	1/4	80.70	1/4	1/4	1/4		1/4	1/4
1/2	2,399.95	1/2	2,011.83	1/2	1,623.72	1/2	1,235.60	1/2	847.60	1/2	460.33	1/2	72.63	1/2	1/2	1/2		1/2	1/2
3/4	2,391.87	3/4	2,003.75	3/4	1,615.63	3/4	1,227.51	3/4	839.54	3/4	452.25	3/4	64.55	3/4	3/4	3/4		3/4	3/4
3	2,383.78	3	1,995.66	3	1,607.54	3	1,219.43	3	831.48	3	444.17	3	57.48	3	3	3		3	3
1/4	2,375.70	1/4	1,987.58	1/4	1,599.46	1/4	1,211.34	1/4	823.42	1/4	436.10	1/4	50.42	1/4	1/4	1/4		1/4	1/4
1/2	2,367.61	1/2	1,979.49	1/2	1,591.37	1/2	1,203.25	1/2	815.36	1/2	428.02	1/2	43.35	1/2	1/2	1/2		1/2	1/2
3/4	2,359.52	3/4	1,971.41	3/4	1,583.29	3/4	1,195.17	3/4	807.29	3/4	419.94	3/4	36.28	3/4	3/4	3/4		3/4	3/4
4	2,351.44	4	1,963.32	4	1,575.20	4	1,187.08	4	799.23	4	411.87	4	31.24	4	4	4		4	4
1/4	2,343.35	1/4	1,955.23	1/4	1,567.12	1/4	1,179.00	1/4	791.17	1/4	403.79	1/4	26.19	1/4	1/4	1/4		1/4	1/4
1/2	2,335.27	1/2	1,947.15	1/2	1,559.03	1/2	1,170.91	1/2	783.11	1/2	395.71	1/2	21.15	1/2	1/2	1/2		1/2	1/2
3/4	2,327.18	3/4	1,939.06	3/4	1,550.94	3/4	1,162.83	3/4	775.05	3/4	387.63	3/4	16.10	3/4	3/4	3/4		3/4	3/4
5	2,319.09	5	1,930.98	5	1,542.86	5	1,154.74	5	766.99	5	379.56	5		5	5	5		5	5
1/4	2,311.01	1/4	1,922.89	1/4	1,534.77	1/4	1,146.65	1/4	758.93	1/4	371.48	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,302.92	1/2	1,914.80	1/2	1,526.69	1/2	1,138.57	1/2	750.87	1/2	363.40	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,294.84	3/4	1,906.72	3/4	1,518.60	3/4	1,130.48	3/4	742.80	3/4	355.33	3/4		3/4	3/4	3/4		3/4	3/4
6	2,286.75	6	1,898.63	6	1,510.51	6	1,122.40	6	734.74	6	347.25	6		6	6	6		6	6
1/4	2,278.67	1/4	1,890.55	1/4	1,502.43	1/4	1,114.31	1/4	726.68	1/4	339.17	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,270.58	1/2	1,882.46	1/2	1,494.34	1/2	1,106.22	1/2	718.62	1/2	331.09	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,262.49	3/4	1,874.38	3/4	1,486.26	3/4	1,098.14	3/4	710.56	3/4	323.02	3/4		3/4	3/4	3/4		3/4	3/4
7	2,254.41	7	1,866.29	7	1,478.17	7	1,090.05	7	702.50	7	314.94	7		7	7	7		7	7
1/4	2,246.32	1/4	1,858.20	1/4	1,470.09	1/4	1,081.97	1/4	694.44	1/4	306.86	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,238.24	1/2	1,850.12	1/2	1,462.00	1/2	1,073.88	1/2	686.38	1/2	298.79	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,230.15	3/4	1,842.03	3/4	1,453.91	3/4	1,065.80	3/4	678.31	3/4	290.71	3/4		3/4	3/4	3/4		3/4	3/4
8	2,222.07	8	1,833.95	8	1,445.83	8	1,057.71	8	670.25	8	282.63	8		8	8	8		8	8
1/4	2,213.98	1/4	1,825.86	1/4	1,437.74	1/4	1,049.62	1/4	662.19	1/4	274.56	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,205.89	1/2	1,817.78	1/2	1,429.66	1/2	1,041.54	1/2	654.13	1/2	266.48	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,197.81	3/4	1,809.69	3/4	1,421.57	3/4	1,033.45	3/4	646.07	3/4	258.40	3/4		3/4	3/4	3/4		3/4	3/4
9	2,189.72	9	1,801.60	9	1,413.49	9	1,025.37	9	638.00	9	250.32	9		9	9	9		9	9
1/4	2,181.64	1/4	1,793.52	1/4	1,405.40	1/4	1,017.28	1/4	629.93	1/4	242.25	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,173.55	1/2	1,785.43	1/2	1,397.31	1/2	1,009.20	1/2	621.86	1/2	234.17	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,165.46	3/4	1,777.35	3/4	1,389.23	3/4	1,001.11	3/4	613.79	3/4	226.09	3/4		3/4	3/4	3/4		3/4	3/4
10	2,157.38	10	1,769.26	10	1,381.14	10	993.02	10	605.72	10	218.02	10		10	10	10		10	10
1/4	2,149.29	1/4	1,761.17	1/4	1,373.06	1/4	984.94	1/4	597.64	1/4	209.94	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,141.21	1/2	1,753.09	1/2	1,364.97	1/2	976.85	1/2	589.56	1/2	201.86	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,133.12	3/4	1,745.00	3/4	1,356.88	3/4	968.77	3/4	581.48	3/4	193.78	3/4		3/4	3/4	3/4		3/4	3/4
11	2,125.04	11	1,736.92	11	1,348.80	11	960.68	11	573.41	11	185.71	11		11	11	11		11	11
1/4	2,116.95	1/4	1,728.83	1/4	1,340.71	1/4	952.59	1/4	565.33	1/4	177.63	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,108.86	1/2	1,720.75	1/2	1,332.63	1/2	944.51	1/2	557.25	1/2	169.55	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,100.78	3/4	1,712.66	3/4	1,324.54	3/4	936.42	3/4	549.18	3/4	161.48	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/04/2012 CL - SW
CALCULATED: 04/04/2012 CL
PRINTED: 04/04/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "KIRBY 28145"

2 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
1/4		1/4		1/4		1/4	5,082.58	1/4	4,745.25	1/4	4,390.32	1/4	4,018.77	1/4	3,632.97	1/4	3,244.75	1/4	2,856.49
1/2		1/2		1/2		1/2	5,075.66	1/2	4,738.07	1/2	4,382.73	1/2	4,010.86	1/2	3,624.88	1/2	3,236.66	1/2	2,848.40
3/4		3/4		3/4		3/4	5,068.73	3/4	4,730.89	3/4	4,375.15	3/4	4,002.95	3/4	3,616.79	3/4	3,228.58	3/4	2,840.31
1	1	1	1	1	1	1	5,061.81	1	4,723.71	1	4,367.56	1	3,995.04	1	3,608.70	1	3,220.49	1	2,832.22
1/4		1/4		1/4		1/4	5,054.86	1/4	4,716.50	1/4	4,359.96	1/4	3,987.09	1/4	3,600.61	1/4	3,212.40	1/4	2,824.13
1/2		1/2		1/2		1/2	5,047.91	1/2	4,709.29	1/2	4,352.35	1/2	3,979.15	1/2	3,592.53	1/2	3,204.31	1/2	2,816.04
3/4		3/4		3/4		3/4	5,040.96	3/4	4,702.08	3/4	4,344.74	3/4	3,971.20	3/4	3,584.44	3/4	3,196.22	3/4	2,807.95
2	2	2	2	2	2	2	5,034.00	2	4,694.87	2	4,337.13	2	3,963.25	2	3,576.35	2	3,188.14	2	2,799.86
1/4		1/4		1/4		1/4	5,027.02	1/4	4,687.63	1/4	4,329.49	1/4	3,955.29	1/4	3,568.26	1/4	3,180.05	1/4	2,791.77
1/2		1/2		1/2		1/2	5,020.04	1/2	4,680.40	1/2	4,321.86	1/2	3,947.32	1/2	3,560.17	1/2	3,171.96	1/2	2,783.68
3/4		3/4		3/4		3/4	5,013.06	3/4	4,673.16	3/4	4,314.22	3/4	3,939.35	3/4	3,552.09	3/4	3,163.87	3/4	2,775.59
3	3	3	3	3	3	3	5,006.08	3	4,665.93	3	4,306.59	3	3,931.38	3	3,544.00	3	3,155.78	3	2,767.50
1/4		1/4		1/4		1/4	4,999.14	1/4	4,658.59	1/4	4,298.93	1/4	3,923.39	1/4	3,535.91	1/4	3,147.70	1/4	2,759.41
1/2		1/2		1/2		1/2	4,992.20	1/2	4,651.26	1/2	4,291.26	1/2	3,915.40	1/2	3,527.82	1/2	3,139.61	1/2	2,751.32
3/4		3/4		3/4		3/4	4,985.27	3/4	4,643.93	3/4	4,283.59	3/4	3,907.40	3/4	3,519.74	3/4	3,131.52	3/4	2,743.23
4	4	4	4	4	4	4	4,978.33	4	4,636.60	4	4,275.93	4	3,899.41	4	3,511.65	4	3,123.43	4	2,735.14
1/4		1/4		1/4		1/4	4,971.37	1/4	4,629.23	1/4	4,268.24	1/4	3,891.38	1/4	3,503.56	1/4	3,115.35	1/4	2,727.05
1/2		1/2		1/2		1/2	4,964.41	1/2	4,621.87	1/2	4,260.55	1/2	3,883.36	1/2	3,495.47	1/2	3,107.26	1/2	2,718.96
3/4		3/4		3/4		3/4	4,957.45	3/4	4,614.51	3/4	4,252.86	3/4	3,875.33	3/4	3,487.38	3/4	3,099.17	3/4	2,710.87
5	5	5	5	5	5	5	4,950.48	5	4,607.14	5	4,245.17	5	3,867.30	5	3,479.30	5	3,091.08	5	2,702.78
1/4		1/4		1/4		1/4	4,943.49	1/4	4,599.75	1/4	4,237.44	1/4	3,859.25	1/4	3,471.21	1/4	3,082.99	1/4	2,694.69
1/2		1/2		1/2		1/2	4,936.50	1/2	4,592.37	1/2	4,229.72	1/2	3,851.20	1/2	3,463.12	1/2	3,074.91	1/2	2,686.60
3/4		3/4		3/4		3/4	4,929.51	3/4	4,584.98	3/4	4,221.99	3/4	3,843.16	3/4	3,455.03	3/4	3,066.82	3/4	2,678.51
6	6	6	6	6	6	6	4,922.52	6	4,577.59	6	4,214.27	6	3,835.11	6	3,446.95	6	3,058.73	6	2,670.42
1/4		1/4		1/4		1/4	4,915.50	1/4	4,570.17	1/4	4,206.52	1/4	3,827.03	1/4	3,438.86	1/4	3,050.64	1/4	2,662.33
1/2		1/2		1/2	5,258.69	1/2	4,908.48	1/2	4,562.74	1/2	4,198.77	1/2	3,818.96	1/2	3,430.77	1/2	3,042.56	1/2	2,654.24
3/4		3/4		3/4	5,252.62	3/4	4,901.46	3/4	4,555.32	3/4	4,191.02	3/4	3,810.88	3/4	3,422.68	3/4	3,034.47	3/4	2,646.15
7	7	7	7	7	5,246.55	7	4,894.44	7	4,547.90	7	4,183.28	7	3,802.81	7	3,414.59	7	3,026.38	7	2,638.06
1/4		1/4		1/4	5,238.47	1/4	4,887.39	1/4	4,540.45	1/4	4,175.50	1/4	3,794.72	1/4	3,406.51	1/4	3,018.29	1/4	2,629.98
1/2		1/2		1/2	5,230.38	1/2	4,880.34	1/2	4,533.01	1/2	4,167.73	1/2	3,786.63	1/2	3,398.42	1/2	3,010.20	1/2	2,621.89
3/4		3/4		3/4	5,222.29	3/4	4,873.29	3/4	4,525.56	3/4	4,159.96	3/4	3,778.55	3/4	3,390.33	3/4	3,002.11	3/4	2,613.80
8	8	8	8	8	5,214.20	8	4,866.24	8	4,518.12	8	4,152.19	8	3,770.46	8	3,382.24	8	2,994.02	8	2,605.71
1/4		1/4		1/4	5,206.11	1/4	4,859.17	1/4	4,510.65	1/4	4,144.38	1/4	3,762.37	1/4	3,374.16	1/4	2,985.93	1/4	2,597.62
1/2		1/2		1/2	5,198.02	1/2	4,852.10	1/2	4,503.17	1/2	4,136.57	1/2	3,754.28	1/2	3,366.07	1/2	2,977.84	1/2	2,589.53
3/4		3/4		3/4	5,189.93	3/4	4,845.03	3/4	4,495.70	3/4	4,128.77	3/4	3,746.19	3/4	3,357.98	3/4	2,969.75	3/4	2,581.44
9	9	9	9	9	5,181.84	9	4,837.96	9	4,488.23	9	4,120.96	9	3,738.11	9	3,349.89	9	2,961.66	9	2,573.35
1/4		1/4		1/4	5,173.75	1/4	4,830.86	1/4	4,480.73	1/4	4,113.13	1/4	3,730.02	1/4	3,341.80	1/4	2,953.57	1/4	2,565.26
1/2		1/2		1/2	5,165.66	1/2	4,823.76	1/2	4,473.23	1/2	4,105.30	1/2	3,721.93	1/2	3,333.72	1/2	2,945.48	1/2	2,557.17
3/4		3/4		3/4	5,157.57	3/4	4,816.66	3/4	4,465.72	3/4	4,097.48	3/4	3,713.84	3/4	3,325.63	3/4	2,937.39	3/4	2,549.08
10	10	10	10	10	5,149.48	10	4,809.57	10	4,458.22	10	4,089.65	10	3,705.76	10	3,317.54	10	2,929.30	10	2,540.99
1/4		1/4		1/4	5,141.39	1/4	4,802.44	1/4	4,450.69	1/4	4,081.79	1/4	3,697.67	1/4	3,309.45	1/4	2,921.21	1/4	2,532.90
1/2		1/2		1/2	5,133.30	1/2	4,795.31	1/2	4,443.16	1/2	4,073.94	1/2	3,689.58	1/2	3,301.37	1/2	2,913.12	1/2	2,524.81
3/4		3/4		3/4	5,125.21	3/4	4,788.18	3/4	4,435.64	3/4	4,066.08	3/4	3,681.49	3/4	3,293.28	3/4	2,905.03	3/4	2,516.72
11	11	11	11	11	5,117.12	11	4,781.05	11	4,428.11	11	4,058.23	11	3,673.40	11	3,285.19	11	2,896.94	11	2,508.63
1/4		1/4		1/4	5,110.21	1/4	4,773.89	1/4	4,420.56	1/4	4,050.34	1/4	3,665.32	1/4	3,277.10	1/4	2,888.85	1/4	2,500.54
1/2		1/2		1/2	5,103.31	1/2	4,766.74	1/2	4,413.01	1/2	4,042.46	1/2	3,657.23	1/2	3,269.01	1/2	2,880.76	1/2	2,492.45
3/4		3/4		3/4	5,096.41	3/4	4,759.58	3/4	4,405.45	3/4	4,034.57	3/4	3,649.14	3/4	3,260.93	3/4	2,872.67	3/4	2,484.36

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 43'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 28145"

2 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	2,476.27	0	2,087.95	0	1,699.64	0	1,311.32	0	923.62	0	550.37	0	162.10	0		0		0	
1/4	2,468.18	1/4	2,079.86	1/4	1,691.55	1/4	1,303.23	1/4	915.84	1/4	542.28	1/4	154.01	1/4	1/4	1/4		1/4	1/4
1/2	2,460.09	1/2	2,071.77	1/2	1,683.46	1/2	1,295.14	1/2	908.05	1/2	534.19	1/2	145.92	1/2	1/2	1/2		1/2	1/2
3/4	2,452.00	3/4	2,063.68	3/4	1,675.37	3/4	1,287.05	3/4	900.27	3/4	526.10	3/4	137.83	3/4	3/4	3/4		3/4	3/4
1	2,443.91	1	2,055.59	1	1,667.28	1	1,278.96	1	892.49	1	518.01	1	129.74	1	1	1		1	1
1/4	2,435.82	1/4	2,047.50	1/4	1,659.19	1/4	1,270.87	1/4	884.73	1/4	509.93	1/4	121.65	1/4	1/4	1/4		1/4	1/4
1/2	2,427.73	1/2	2,039.41	1/2	1,651.10	1/2	1,262.78	1/2	876.96	1/2	501.84	1/2	113.56	1/2	1/2	1/2		1/2	1/2
3/4	2,419.64	3/4	2,031.32	3/4	1,643.01	3/4	1,254.69	3/4	869.19	3/4	493.75	3/4	105.48	3/4	3/4	3/4		3/4	3/4
2	2,411.55	2	2,023.23	2	1,634.92	2	1,246.60	2	861.43	2	485.66	2	97.39	2	2	2		2	2
1/4	2,403.46	1/4	2,015.14	1/4	1,626.83	1/4	1,238.51	1/4	853.67	1/4	477.57	1/4	89.30	1/4	1/4	1/4		1/4	1/4
1/2	2,395.37	1/2	2,007.05	1/2	1,618.74	1/2	1,230.42	1/2	845.92	1/2	469.48	1/2	81.21	1/2	1/2	1/2		1/2	1/2
3/4	2,387.28	3/4	1,998.96	3/4	1,610.65	3/4	1,222.33	3/4	838.16	3/4	461.39	3/4	73.12	3/4	3/4	3/4		3/4	3/4
3	2,379.19	3	1,990.87	3	1,602.56	3	1,214.24	3	830.40	3	453.30	3	65.03	3	3	3		3	3
1/4	2,371.10	1/4	1,982.78	1/4	1,594.47	1/4	1,206.15	1/4	822.65	1/4	445.21	1/4	57.95	1/4	1/4	1/4		1/4	1/4
1/2	2,363.01	1/2	1,974.69	1/2	1,586.38	1/2	1,198.06	1/2	814.89	1/2	437.12	1/2	50.87	1/2	1/2	1/2		1/2	1/2
3/4	2,354.92	3/4	1,966.60	3/4	1,578.29	3/4	1,189.97	3/4	807.14	3/4	429.04	3/4	43.79	3/4	3/4	3/4		3/4	3/4
4	2,346.83	4	1,958.51	4	1,570.20	4	1,181.88	4	799.38	4	420.95	4	36.71	4	4	4		4	4
1/4	2,338.74	1/4	1,950.42	1/4	1,562.11	1/4	1,173.79	1/4	791.63	1/4	412.86	1/4	31.66	1/4	1/4	1/4		1/4	1/4
1/2	2,330.65	1/2	1,942.33	1/2	1,554.02	1/2	1,165.70	1/2	783.87	1/2	404.77	1/2	26.60	1/2	1/2	1/2		1/2	1/2
3/4	2,322.56	3/4	1,934.24	3/4	1,545.93	3/4	1,157.61	3/4	776.11	3/4	396.68	3/4	21.55	3/4	3/4	3/4		3/4	3/4
5	2,314.47	5	1,926.15	5	1,537.84	5	1,149.52	5	768.36	5	388.59	5	16.49	5	5	5		5	5
1/4	2,306.38	1/4	1,918.06	1/4	1,529.75	1/4	1,141.43	1/4	760.60	1/4	380.50	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,298.29	1/2	1,909.97	1/2	1,521.66	1/2	1,133.34	1/2	752.85	1/2	372.41	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,290.20	3/4	1,901.88	3/4	1,513.57	3/4	1,125.25	3/4	745.09	3/4	364.32	3/4		3/4	3/4	3/4		3/4	3/4
6	2,282.11	6	1,893.79	6	1,505.48	6	1,117.16	6	737.34	6	356.23	6		6	6	6		6	6
1/4	2,274.02	1/4	1,885.70	1/4	1,497.39	1/4	1,109.07	1/4	729.58	1/4	348.15	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,265.93	1/2	1,877.61	1/2	1,489.30	1/2	1,100.98	1/2	721.82	1/2	340.06	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,257.84	3/4	1,869.52	3/4	1,481.21	3/4	1,092.89	3/4	714.07	3/4	331.97	3/4		3/4	3/4	3/4		3/4	3/4
7	2,249.75	7	1,861.43	7	1,473.12	7	1,084.80	7	706.31	7	323.88	7		7	7	7		7	7
1/4	2,241.66	1/4	1,853.34	1/4	1,465.03	1/4	1,076.71	1/4	698.56	1/4	315.79	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,233.57	1/2	1,845.25	1/2	1,456.94	1/2	1,068.62	1/2	690.80	1/2	307.70	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,225.48	3/4	1,837.16	3/4	1,448.85	3/4	1,060.53	3/4	683.05	3/4	299.61	3/4		3/4	3/4	3/4		3/4	3/4
8	2,217.39	8	1,829.07	8	1,440.76	8	1,052.44	8	675.30	8	291.52	8		8	8	8		8	8
1/4	2,209.30	1/4	1,820.99	1/4	1,432.67	1/4	1,044.35	1/4	667.54	1/4	283.43	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,201.21	1/2	1,812.90	1/2	1,424.58	1/2	1,036.26	1/2	659.79	1/2	275.34	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,193.12	3/4	1,804.81	3/4	1,416.49	3/4	1,028.17	3/4	652.04	3/4	267.26	3/4		3/4	3/4	3/4		3/4	3/4
9	2,185.03	9	1,796.72	9	1,408.40	9	1,020.08	9	644.28	9	259.17	9		9	9	9		9	9
1/4	2,176.94	1/4	1,788.63	1/4	1,400.31	1/4	1,012.00	1/4	636.52	1/4	251.08	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,168.85	1/2	1,780.54	1/2	1,392.22	1/2	1,003.91	1/2	628.75	1/2	242.99	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,160.76	3/4	1,772.45	3/4	1,384.13	3/4	995.82	3/4	620.99	3/4	234.90	3/4		3/4	3/4	3/4		3/4	3/4
10	2,152.67	10	1,764.36	10	1,376.04	10	987.73	10	613.23	10	226.81	10		10	10	10		10	10
1/4	2,144.58	1/4	1,756.27	1/4	1,367.95	1/4	979.64	1/4	605.45	1/4	218.72	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,136.49	1/2	1,748.18	1/2	1,359.86	1/2	971.55	1/2	597.67	1/2	210.63	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,128.40	3/4	1,740.09	3/4	1,351.77	3/4	963.46	3/4	589.89	3/4	202.54	3/4		3/4	3/4	3/4		3/4	3/4
11	2,120.31	11	1,732.00	11	1,343.68	11	955.37	11	582.11	11	194.45	11		11	11	11		11	11
1/4	2,112.22	1/4	1,723.91	1/4	1,335.59	1/4	947.43	1/4	574.18	1/4	186.37	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,104.13	1/2	1,715.82	1/2	1,327.50	1/2	939.49	1/2	566.24	1/2	178.28	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,096.04	3/4	1,707.73	3/4	1,319.41	3/4	931.55	3/4	558.31	3/4	170.19	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/04/2012 CL - SW
CALCULATED: 04/04/2012 CL
PRINTED: 04/04/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 28145"

3 PORT 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,498.01	0	4,241.80	0	3,972.74	0	3,691.22	0	3,396.54	0	3,040.33	0	2,679.09
1/4		1/4		1/4		1/4	4,492.76	1/4	4,236.34	1/4	3,966.99	1/4	3,685.22	1/4	3,389.71	1/4	3,032.81	1/4	2,671.56
1/2		1/2		1/2		1/2	4,487.51	1/2	4,230.88	1/2	3,961.23	1/2	3,679.22	1/2	3,382.88	1/2	3,025.28	1/2	2,664.04
3/4		3/4		3/4		3/4	4,482.26	3/4	4,225.42	3/4	3,955.48	3/4	3,673.22	3/4	3,376.05	3/4	3,017.76	3/4	2,656.51
1		1		1		1	4,477.01	1	4,219.95	1	3,949.73	1	3,667.22	1	3,369.22	1	3,010.23	1	2,648.98
1/4		1/4		1/4		1/4	4,471.74	1/4	4,214.47	1/4	3,943.96	1/4	3,661.19	1/4	3,362.11	1/4	3,002.71	1/4	2,641.46
1/2		1/2		1/2		1/2	4,466.47	1/2	4,208.98	1/2	3,938.19	1/2	3,655.17	1/2	3,355.00	1/2	2,995.18	1/2	2,633.93
3/4		3/4		3/4		3/4	4,461.20	3/4	4,203.50	3/4	3,932.42	3/4	3,649.14	3/4	3,347.90	3/4	2,987.65	3/4	2,626.40
2		2		2		2	4,455.92	2	4,198.01	2	3,926.65	2	3,643.11	2	3,340.79	2	2,980.13	2	2,618.88
1/4		1/4		1/4		1/4	4,450.63	1/4	4,192.51	1/4	3,920.86	1/4	3,637.07	1/4	3,333.40	1/4	2,972.60	1/4	2,611.35
1/2		1/2		1/2		1/2	4,445.34	1/2	4,187.01	1/2	3,915.07	1/2	3,631.03	1/2	3,326.01	1/2	2,965.08	1/2	2,603.83
3/4		3/4		3/4		3/4	4,440.04	3/4	4,181.50	3/4	3,909.28	3/4	3,624.99	3/4	3,318.63	3/4	2,957.55	3/4	2,596.30
3		3		3		3	4,434.75	3	4,176.00	3	3,903.49	3	3,618.94	3	3,311.24	3	2,950.03	3	2,588.77
1/4		1/4		1/4		1/4	4,429.47	1/4	4,170.44	1/4	3,897.68	1/4	3,612.88	1/4	3,303.72	1/4	2,942.50	1/4	2,581.25
1/2		1/2		1/2		1/2	4,424.19	1/2	4,164.88	1/2	3,891.86	1/2	3,606.82	1/2	3,296.19	1/2	2,934.98	1/2	2,573.72
3/4		3/4		3/4		3/4	4,418.92	3/4	4,159.32	3/4	3,886.05	3/4	3,600.76	3/4	3,288.67	3/4	2,927.45	3/4	2,566.19
4		4		4		4	4,413.64	4	4,153.75	4	3,880.24	4	3,594.70	4	3,281.14	4	2,919.93	4	2,558.67
1/4		1/4		1/4		1/4	4,408.35	1/4	4,148.17	1/4	3,874.41	1/4	3,588.61	1/4	3,273.62	1/4	2,912.40	1/4	2,551.14
1/2		1/2		1/2		1/2	4,403.05	1/2	4,142.59	1/2	3,868.57	1/2	3,582.52	1/2	3,266.09	1/2	2,904.88	1/2	2,543.61
3/4		3/4		3/4		3/4	4,397.76	3/4	4,137.00	3/4	3,862.74	3/4	3,576.43	3/4	3,258.57	3/4	2,897.35	3/4	2,536.09
5		5		5		5	4,392.46	5	4,131.42	5	3,856.91	5	3,570.35	5	3,251.04	5	2,889.83	5	2,528.56
1/4		1/4		1/4		1/4	4,387.14	1/4	4,125.82	1/4	3,851.05	1/4	3,564.24	1/4	3,243.51	1/4	2,882.30	1/4	2,521.03
1/2		1/2		1/2		1/2	4,381.82	1/2	4,120.21	1/2	3,845.19	1/2	3,558.14	1/2	3,235.99	1/2	2,874.77	1/2	2,513.51
3/4		3/4		3/4		3/4	4,376.50	3/4	4,114.61	3/4	3,839.33	3/4	3,552.03	3/4	3,228.46	3/4	2,867.25	3/4	2,505.98
6		6		6		6	4,371.18	6	4,109.01	6	3,833.47	6	3,545.93	6	3,220.94	6	2,859.72	6	2,498.45
1/4		1/4		1/4		1/4	4,365.85	1/4	4,103.38	1/4	3,827.60	1/4	3,539.80	1/4	3,213.41	1/4	2,852.20	1/4	2,490.93
1/2		1/2		1/2	4,626.31	1/2	4,360.51	1/2	4,097.75	1/2	3,821.72	1/2	3,533.68	1/2	3,205.89	1/2	2,844.67	1/2	2,483.40
3/4		3/4		3/4	4,621.70	3/4	4,355.17	3/4	4,092.12	3/4	3,815.85	3/4	3,527.56	3/4	3,198.36	3/4	2,837.15	3/4	2,475.87
7		7		7	4,617.10	7	4,349.83	7	4,086.49	7	3,809.97	7	3,521.43	7	3,190.84	7	2,829.62	7	2,468.35
1/4		1/4		1/4	4,610.97	1/4	4,344.47	1/4	4,080.84	1/4	3,804.08	1/4	3,515.30	1/4	3,183.31	1/4	2,822.10	1/4	2,460.82
1/2		1/2		1/2	4,604.83	1/2	4,339.11	1/2	4,075.20	1/2	3,798.18	1/2	3,509.17	1/2	3,175.79	1/2	2,814.57	1/2	2,453.29
3/4		3/4		3/4	4,598.70	3/4	4,333.74	3/4	4,069.55	3/4	3,792.29	3/4	3,503.03	3/4	3,168.26	3/4	2,807.04	3/4	2,445.77
8		8		8	4,592.56	8	4,328.38	8	4,063.90	8	3,786.39	8	3,496.90	8	3,160.74	8	2,799.52	8	2,438.24
1/4		1/4		1/4	4,586.43	1/4	4,323.00	1/4	4,058.24	1/4	3,780.47	1/4	3,490.77	1/4	3,153.21	1/4	2,791.99	1/4	2,430.71
1/2		1/2		1/2	4,580.29	1/2	4,317.62	1/2	4,052.57	1/2	3,774.56	1/2	3,484.63	1/2	3,145.69	1/2	2,784.46	1/2	2,423.19
3/4		3/4		3/4	4,574.16	3/4	4,312.24	3/4	4,046.91	3/4	3,768.64	3/4	3,478.50	3/4	3,138.16	3/4	2,776.94	3/4	2,415.66
9		9		9	4,568.02	9	4,306.86	9	4,041.24	9	3,762.72	9	3,472.36	9	3,130.64	9	2,769.41	9	2,408.13
1/4		1/4		1/4	4,561.89	1/4	4,301.46	1/4	4,035.55	1/4	3,756.78	1/4	3,466.23	1/4	3,123.11	1/4	2,761.88	1/4	2,400.61
1/2		1/2		1/2	4,555.75	1/2	4,296.06	1/2	4,029.86	1/2	3,750.84	1/2	3,460.10	1/2	3,115.58	1/2	2,754.36	1/2	2,393.08
3/4		3/4		3/4	4,549.62	3/4	4,290.66	3/4	4,024.17	3/4	3,744.90	3/4	3,453.96	3/4	3,108.06	3/4	2,746.83	3/4	2,385.55
10		10		10	4,543.48	10	4,285.26	10	4,018.48	10	3,738.97	10	3,447.83	10	3,100.53	10	2,739.30	10	2,378.03
1/4		1/4		1/4	4,537.35	1/4	4,279.84	1/4	4,012.77	1/4	3,733.01	1/4	3,441.56	1/4	3,093.01	1/4	2,731.78	1/4	2,370.50
1/2		1/2		1/2	4,531.21	1/2	4,274.42	1/2	4,007.06	1/2	3,727.05	1/2	3,435.29	1/2	3,085.48	1/2	2,724.25	1/2	2,362.97
3/4		3/4		3/4	4,525.08	3/4	4,268.99	3/4	4,001.36	3/4	3,721.10	3/4	3,429.01	3/4	3,077.96	3/4	2,716.72	3/4	2,355.45
11		11		11	4,518.94	11	4,263.57	11	3,995.65	11	3,715.14	11	3,422.74	11	3,070.43	11	2,709.20	11	2,347.92
1/4		1/4		1/4	4,513.71	1/4	4,258.13	1/4	3,989.92	1/4	3,709.16	1/4	3,416.19	1/4	3,062.91	1/4	2,701.67	1/4	2,340.39
1/2		1/2		1/2	4,508.48	1/2	4,252.68	1/2	3,984.19	1/2	3,703.18	1/2	3,409.64	1/2	3,055.38	1/2	2,694.14	1/2	2,332.87
3/4		3/4		3/4	4,503.24	3/4	4,247.24	3/4	3,978.46	3/4	3,697.20	3/4	3,403.09	3/4	3,047.86	3/4	2,686.62	3/4	2,325.34

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 41'-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 28145"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,310.29	1/4	1,949.01	1/4	1,587.73	1/4	1,226.46	1/4	865.97	1/4	504.71	1/4	143.45	1/4		1/4		1/4			
1/2	2,302.76	1/2	1,941.48	1/2	1,580.21	1/2	1,218.93	1/2	858.44	1/2	497.18	1/2	135.92	1/2		1/2		1/2			
3/4	2,295.23	3/4	1,933.96	3/4	1,572.68	3/4	1,211.40	3/4	850.92	3/4	489.66	3/4	128.39	3/4		3/4		3/4			
1	2,287.71	1	1,926.43	1	1,565.15	1	1,203.88	1	843.39	1	482.13	1	120.87	1		1		1			
1/4	2,280.18	1/4	1,918.90	1/4	1,557.63	1/4	1,196.35	1/4	835.87	1/4	474.60	1/4	113.34	1/4		1/4		1/4			
1/2	2,272.65	1/2	1,911.38	1/2	1,550.10	1/2	1,188.82	1/2	828.34	1/2	467.08	1/2	105.81	1/2		1/2		1/2			
3/4	2,265.13	3/4	1,903.85	3/4	1,542.57	3/4	1,181.30	3/4	820.81	3/4	459.55	3/4	98.29	3/4		3/4		3/4			
2	2,257.60	2	1,896.32	2	1,535.05	2	1,173.77	2	813.29	2	452.02	2	90.76	2		2		2			
1/4	2,250.07	1/4	1,888.80	1/4	1,527.52	1/4	1,166.24	1/4	805.76	1/4	444.50	1/4	83.24	1/4		1/4		1/4			
1/2	2,242.55	1/2	1,881.27	1/2	1,519.99	1/2	1,158.72	1/2	798.23	1/2	436.97	1/2	75.71	1/2		1/2		1/2			
3/4	2,235.02	3/4	1,873.74	3/4	1,512.47	3/4	1,151.19	3/4	790.71	3/4	429.45	3/4	68.18	3/4		3/4		3/4			
3	2,227.50	3	1,866.22	3	1,504.94	3	1,143.66	3	783.18	3	421.92	3	60.66	3		3		3			
1/4	2,219.97	1/4	1,858.69	1/4	1,497.41	1/4	1,136.14	1/4	775.66	1/4	414.39	1/4	54.07	1/4		1/4		1/4			
1/2	2,212.44	1/2	1,851.17	1/2	1,489.89	1/2	1,128.61	1/2	768.13	1/2	406.87	1/2	47.48	1/2		1/2		1/2			
3/4	2,204.92	3/4	1,843.64	3/4	1,482.36	3/4	1,121.08	3/4	760.60	3/4	399.34	3/4	40.90	3/4		3/4		3/4			
4	2,197.39	4	1,836.11	4	1,474.84	4	1,113.56	4	753.08	4	391.81	4	34.31	4		4		4			
1/4	2,189.86	1/4	1,828.59	1/4	1,467.31	1/4	1,106.06	1/4	745.55	1/4	384.29	1/4	29.61	1/4		1/4		1/4			
1/2	2,182.34	1/2	1,821.06	1/2	1,459.78	1/2	1,098.55	1/2	738.02	1/2	376.76	1/2	24.90	1/2		1/2		1/2			
3/4	2,174.81	3/4	1,813.53	3/4	1,452.26	3/4	1,091.05	3/4	730.50	3/4	369.24	3/4	20.20	3/4		3/4		3/4			
5	2,167.28	5	1,806.01	5	1,444.73	5	1,083.55	5	722.97	5	361.71	5	15.50	5		5		5			
1/4	2,159.76	1/4	1,798.48	1/4	1,437.20	1/4	1,076.05	1/4	715.45	1/4	354.18	1/4		1/4		1/4		1/4			
1/2	2,152.23	1/2	1,790.95	1/2	1,429.68	1/2	1,068.55	1/2	707.92	1/2	346.66	1/2		1/2		1/2		1/2			
3/4	2,144.70	3/4	1,783.43	3/4	1,422.15	3/4	1,061.05	3/4	700.39	3/4	339.13	3/4		3/4		3/4		3/4			
6	2,137.18	6	1,775.90	6	1,414.62	6	1,053.54	6	692.87	6	331.60	6		6		6		6			
1/4	2,129.65	1/4	1,768.37	1/4	1,407.10	1/4	1,046.04	1/4	685.34	1/4	324.08	1/4		1/4		1/4		1/4			
1/2	2,122.12	1/2	1,760.85	1/2	1,399.57	1/2	1,038.54	1/2	677.81	1/2	316.55	1/2		1/2		1/2		1/2			
3/4	2,114.60	3/4	1,753.32	3/4	1,392.04	3/4	1,031.04	3/4	670.29	3/4	309.03	3/4		3/4		3/4		3/4			
7	2,107.07	7	1,745.79	7	1,384.52	7	1,023.54	7	662.76	7	301.50	7		7		7		7			
1/4	2,099.54	1/4	1,738.27	1/4	1,376.99	1/4	1,016.03	1/4	655.23	1/4	293.97	1/4		1/4		1/4		1/4			
1/2	2,092.02	1/2	1,730.74	1/2	1,369.46	1/2	1,008.53	1/2	647.71	1/2	286.45	1/2		1/2		1/2		1/2			
3/4	2,084.49	3/4	1,723.21	3/4	1,361.94	3/4	1,001.03	3/4	640.18	3/4	278.92	3/4		3/4		3/4		3/4			
8	2,076.96	8	1,715.69	8	1,354.41	8	993.53	8	632.66	8	271.39	8		8		8		8			
1/4	2,069.44	1/4	1,708.16	1/4	1,346.88	1/4	986.03	1/4	625.13	1/4	263.87	1/4		1/4		1/4		1/4			
1/2	2,061.91	1/2	1,700.63	1/2	1,339.36	1/2	978.52	1/2	617.60	1/2	256.34	1/2		1/2		1/2		1/2			
3/4	2,054.38	3/4	1,693.11	3/4	1,331.83	3/4	971.02	3/4	610.08	3/4	248.81	3/4		3/4		3/4		3/4			
9	2,046.86	9	1,685.58	9	1,324.30	9	963.52	9	602.55	9	241.29	9		9		9		9			
1/4	2,039.33	1/4	1,678.05	1/4	1,316.78	1/4	956.02	1/4	595.02	1/4	233.76	1/4		1/4		1/4		1/4			
1/2	2,031.80	1/2	1,670.53	1/2	1,309.25	1/2	948.52	1/2	587.50	1/2	226.24	1/2		1/2		1/2		1/2			
3/4	2,024.28	3/4	1,663.00	3/4	1,301.72	3/4	941.01	3/4	579.97	3/4	218.71	3/4		3/4		3/4		3/4			
10	2,016.75	10	1,655.47	10	1,294.20	10	933.51	10	572.45	10	211.18	10		10		10		10			
1/4	2,009.22	1/4	1,647.95	1/4	1,286.67	1/4	926.01	1/4	564.92	1/4	203.66	1/4		1/4		1/4		1/4			
1/2	2,001.70	1/2	1,640.42	1/2	1,279.14	1/2	918.51	1/2	557.39	1/2	196.13	1/2		1/2		1/2		1/2			
3/4	1,994.17	3/4	1,632.89	3/4	1,271.62	3/4	911.01	3/4	549.87	3/4	188.60	3/4		3/4		3/4		3/4			
11	1,986.64	11	1,625.37	11	1,264.09	11	903.51	11	542.34	11	181.08	11		11		11		11			
1/4	1,979.12	1/4	1,617.84	1/4	1,256.56	1/4	896.00	1/4	534.81	1/4	173.55	1/4		1/4		1/4		1/4			
1/2	1,971.59	1/2	1,610.31	1/2	1,249.04	1/2	888.50	1/2	527.29	1/2	166.03	1/2		1/2		1/2		1/2			
3/4	1,964.06	3/4	1,602.79	3/4	1,241.51	3/4	881.00	3/4	519.76	3/4	158.50	3/4		3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/04/2012 CL - SW
CALCULATED: 04/04/2012 CL
PRINTED: 04/04/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2012

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



BARGE "KIRBY 28145"

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	
						4,474.01		4,217.88		3,948.90		3,667.46		3,372.87		3,017.28		2,656.83		
1/4	1/4	1/4	1/4	1/4	1/4	4,468.77	1/4	4,212.42	1/4	3,943.15	1/4	3,661.46	1/4	3,366.04	1/4	3,009.77	1/4	2,649.32		
1/2	1/2	1/2	1/2	1/2	1/2	4,463.52	1/2	4,206.96	1/2	3,937.40	1/2	3,655.46	1/2	3,359.21	1/2	3,002.26	1/2	2,641.81		
3/4	3/4	3/4	3/4	3/4	3/4	4,458.27	3/4	4,201.50	3/4	3,931.65	3/4	3,649.47	3/4	3,352.39	3/4	2,994.76	3/4	2,634.30		
1	1	1	1	1	1	4,453.02	1	4,196.04	1	3,925.90	1	3,643.47	1	3,345.56	1	2,987.25	1	2,626.79		
1/4	1/4	1/4	1/4	1/4	1/4	4,447.75	1/4	4,190.56	1/4	3,920.13	1/4	3,637.44	1/4	3,338.45	1/4	2,979.74	1/4	2,619.28		
1/2	1/2	1/2	1/2	1/2	1/2	4,442.48	1/2	4,185.07	1/2	3,914.36	1/2	3,631.42	1/2	3,331.35	1/2	2,972.23	1/2	2,611.76		
3/4	3/4	3/4	3/4	3/4	3/4	4,437.21	3/4	4,179.59	3/4	3,908.59	3/4	3,625.39	3/4	3,324.24	3/4	2,964.72	3/4	2,604.25		
2	2	2	2	2	2	4,431.94	2	4,174.11	2	3,902.82	2	3,619.37	2	3,317.14	2	2,957.21	2	2,596.74		
1/4	1/4	1/4	1/4	1/4	1/4	4,426.65	1/4	4,168.60	1/4	3,897.03	1/4	3,613.33	1/4	3,309.75	1/4	2,949.70	1/4	2,589.23		
1/2	1/2	1/2	1/2	1/2	1/2	4,421.36	1/2	4,163.10	1/2	3,891.25	1/2	3,607.29	1/2	3,302.37	1/2	2,942.19	1/2	2,581.72		
3/4	3/4	3/4	3/4	3/4	3/4	4,416.06	3/4	4,157.60	3/4	3,885.46	3/4	3,601.25	3/4	3,294.99	3/4	2,934.68	3/4	2,574.21		
3	3	3	3	3	3	4,410.77	3	4,152.10	3	3,879.67	3	3,595.21	3	3,287.61	3	2,927.17	3	2,566.70		
1/4	1/4	1/4	1/4	1/4	1/4	4,405.49	1/4	4,146.54	1/4	3,873.86	1/4	3,589.15	1/4	3,280.10	1/4	2,919.67	1/4	2,559.19		
1/2	1/2	1/2	1/2	1/2	1/2	4,400.22	1/2	4,140.98	1/2	3,868.05	1/2	3,583.09	1/2	3,272.59	1/2	2,912.16	1/2	2,551.68		
3/4	3/4	3/4	3/4	3/4	3/4	4,394.95	3/4	4,135.42	3/4	3,862.24	3/4	3,577.03	3/4	3,265.08	3/4	2,904.65	3/4	2,544.17		
4	4	4	4	4	4	4,389.67	4	4,129.86	4	3,856.43	4	3,570.97	4	3,257.57	4	2,897.14	4	2,536.66		
1/4	1/4	1/4	1/4	1/4	1/4	4,384.38	1/4	4,124.28	1/4	3,850.59	1/4	3,564.88	1/4	3,250.06	1/4	2,889.63	1/4	2,529.15		
1/2	1/2	1/2	1/2	1/2	1/2	4,379.08	1/2	4,118.70	1/2	3,844.76	1/2	3,558.80	1/2	3,242.55	1/2	2,882.12	1/2	2,521.64		
3/4	3/4	3/4	3/4	3/4	3/4	4,373.79	3/4	4,113.11	3/4	3,838.93	3/4	3,552.71	3/4	3,235.04	3/4	2,874.61	3/4	2,514.13		
5	5	5	5	5	5	4,368.50	5	4,107.53	5	3,833.10	5	3,546.63	5	3,227.53	5	2,867.10	5	2,506.62		
1/4	1/4	1/4	1/4	1/4	1/4	4,363.18	1/4	4,101.93	1/4	3,827.25	1/4	3,540.52	1/4	3,220.03	1/4	2,859.59	1/4	2,499.11		
1/2	1/2	1/2	1/2	1/2	1/2	4,357.86	1/2	4,096.33	1/2	3,821.39	1/2	3,534.42	1/2	3,212.52	1/2	2,852.08	1/2	2,491.60		
3/4	3/4	3/4	3/4	3/4	3/4	4,352.54	3/4	4,090.73	3/4	3,815.53	3/4	3,528.32	3/4	3,205.01	3/4	2,844.58	3/4	2,484.09		
6	6	6	6	6	6	4,347.23	6	4,085.12	6	3,809.68	6	3,522.21	6	3,197.50	6	2,837.07	6	2,476.58		
1/4	1/4	1/4	1/4	1/4	1/4	4,341.89	1/4	4,079.50	1/4	3,803.80	1/4	3,516.09	1/4	3,189.99	1/4	2,829.56	1/4	2,469.07		
1/2	1/2	1/2	1/2	1/2	1/2	4,602.27	1/2	4,336.55	1/2	4,073.87	1/2	3,797.93	1/2	3,509.97	1/2	3,182.48	1/2	2,822.05	1/2	2,461.57
3/4	3/4	3/4	3/4	3/4	3/4	4,597.67	3/4	4,331.22	3/4	4,068.24	3/4	3,792.05	3/4	3,503.85	3/4	3,174.97	3/4	2,814.54	3/4	2,454.06
7	7	7	7	7	7	4,593.07	7	4,325.88	7	4,062.61	7	3,786.18	7	3,497.73	7	3,167.46	7	2,807.03	7	2,446.55
1/4	1/4	1/4	1/4	1/4	1/4	4,586.94	1/4	4,320.52	1/4	4,056.97	1/4	3,780.29	1/4	3,491.59	1/4	3,159.95	1/4	2,799.52	1/4	2,439.05
1/2	1/2	1/2	1/2	1/2	1/2	4,580.80	1/2	4,315.16	1/2	4,051.33	1/2	3,774.40	1/2	3,485.46	1/2	3,152.44	1/2	2,792.01	1/2	2,431.54
3/4	3/4	3/4	3/4	3/4	3/4	4,574.67	3/4	4,309.80	3/4	4,045.68	3/4	3,768.50	3/4	3,479.33	3/4	3,144.94	3/4	2,784.50	3/4	2,424.03
8	8	8	8	8	8	4,568.54	8	4,304.43	8	4,040.04	8	3,762.61	8	3,473.20	8	3,137.43	8	2,776.99	8	2,416.53
1/4	1/4	1/4	1/4	1/4	1/4	4,562.40	1/4	4,299.06	1/4	4,034.37	1/4	3,756.69	1/4	3,467.07	1/4	3,129.92	1/4	2,769.48	1/4	2,409.02
1/2	1/2	1/2	1/2	1/2	1/2	4,556.27	1/2	4,293.68	1/2	4,028.71	1/2	3,750.77	1/2	3,460.94	1/2	3,122.41	1/2	2,761.97	1/2	2,401.52
3/4	3/4	3/4	3/4	3/4	3/4	4,550.14	3/4	4,288.30	3/4	4,023.05	3/4	3,744.86	3/4	3,454.81	3/4	3,114.90	3/4	2,754.46	3/4	2,394.01
9	9	9	9	9	9	4,544.01	9	4,282.92	9	4,017.38	9	3,738.94	9	3,448.67	9	3,107.39	9	2,746.95	9	2,386.50
1/4	1/4	1/4	1/4	1/4	1/4	4,537.87	1/4	4,277.52	1/4	4,011.69	1/4	3,733.00	1/4	3,442.54	1/4	3,099.88	1/4	2,739.44	1/4	2,379.00
1/2	1/2	1/2	1/2	1/2	1/2	4,531.74	1/2	4,272.13	1/2	4,006.00	1/2	3,727.07	1/2	3,436.41	1/2	3,092.37	1/2	2,731.93	1/2	2,371.49
3/4	3/4	3/4	3/4	3/4	3/4	4,525.61	3/4	4,266.73	3/4	4,000.32	3/4	3,721.13	3/4	3,430.28	3/4	3,084.86	3/4	2,724.42	3/4	2,363.98
10	10	10	10	10	10	4,519.47	10	4,261.33	10	3,994.63	10	3,715.20	10	3,424.15	10	3,077.35	10	2,716.91	10	2,356.48
1/4	1/4	1/4	1/4	1/4	1/4	4,513.34	1/4	4,255.91	1/4	3,988.92	1/4	3,709.24	1/4	3,417.88	1/4	3,069.85	1/4	2,709.40	1/4	2,348.97
1/2	1/2	1/2	1/2	1/2	1/2	4,507.21	1/2	4,250.49	1/2	3,983.21	1/2	3,703.29	1/2	3,411.61	1/2	3,062.34	1/2	2,701.89	1/2	2,341.46
3/4	3/4	3/4	3/4	3/4	3/4	4,501.07	3/4	4,245.06	3/4	3,977.51	3/4	3,697.33	3/4	3,405.33	3/4	3,054.83	3/4	2,694.38	3/4	2,333.96
11	11	11	11	11	11	4,494.94	11	4,239.64	11	3,971.80	11	3,691.38	11	3,399.06	11	3,047.32	11	2,686.87	11	2,326.45
1/4	1/4	1/4	1/4	1/4	1/4	4,488.71	1/4	4,234.20	1/4	3,966.07	1/4	3,685.40	1/4	3,392.51	1/4	3,039.81	1/4	2,679.36	1/4	2,318.94
1/2	1/2	1/2	1/2	1/2	1/2	4,484.48	1/2	4,228.76	1/2	3,960.35	1/2	3,679.42	1/2	3,385.97	1/2	3,032.30	1/2	2,671.85	1/2	2,311.44
3/4	3/4	3/4	3/4	3/4	3/4	4,479.25	3/4	4,223.32	3/4	3,954.62	3/4	3,673.44	3/4	3,379.42	3/4	3,024.79	3/4	2,664.34	3/4	2,303.93

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 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





BARGE "KIRBY 28145"

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	2,296.42	0	1,937.21	0	1,578.52	0	1,217.98	0	864.22	0	511.32	0	150.92	0		0		0	
1/4	2,288.91	1/4	1,929.76	1/4	1,571.00	1/4	1,210.61	1/4	856.85	1/4	503.88	1/4	143.40	1/4	1/4		1/4		1/4
1/2	2,281.40	1/2	1,922.32	1/2	1,563.49	1/2	1,203.23	1/2	849.47	1/2	496.43	1/2	135.87	1/2	1/2		1/2		1/2
3/4	2,273.89	3/4	1,914.87	3/4	1,555.98	3/4	1,195.86	3/4	842.10	3/4	488.99	3/4	128.35	3/4	3/4		3/4		3/4
1	2,266.38	1	1,907.42	1	1,548.47	1	1,188.48	1	834.73	1	481.55	1	120.82	1	1		1		1
1/4	2,258.87	1/4	1,899.98	1/4	1,540.96	1/4	1,181.11	1/4	827.36	1/4	474.03	1/4	113.30	1/4	1/4		1/4		1/4
1/2	2,251.36	1/2	1,892.53	1/2	1,533.45	1/2	1,173.74	1/2	819.98	1/2	466.52	1/2	105.78	1/2	1/2		1/2		1/2
3/4	2,243.85	3/4	1,885.09	3/4	1,525.94	3/4	1,166.36	3/4	812.61	3/4	459.01	3/4	98.25	3/4	3/4		3/4		3/4
2	2,236.33	2	1,877.64	2	1,518.43	2	1,158.99	2	805.24	2	451.50	2	90.73	2	2		2		2
1/4	2,228.82	1/4	1,870.20	1/4	1,510.92	1/4	1,151.61	1/4	797.89	1/4	443.98	1/4	83.20	1/4	1/4		1/4		1/4
1/2	2,221.31	1/2	1,862.75	1/2	1,503.40	1/2	1,144.24	1/2	790.53	1/2	436.47	1/2	75.68	1/2	1/2		1/2		1/2
3/4	2,213.80	3/4	1,855.31	3/4	1,495.89	3/4	1,136.86	3/4	783.18	3/4	428.96	3/4	68.16	3/4	3/4		3/4		3/4
3	2,206.29	3	1,847.86	3	1,488.38	3	1,129.49	3	775.82	3	421.45	3	60.63	3	3		3		3
1/4	2,198.78	1/4	1,840.42	1/4	1,480.87	1/4	1,122.11	1/4	768.48	1/4	413.94	1/4	54.05	1/4	1/4		1/4		1/4
1/2	2,191.27	1/2	1,832.97	1/2	1,473.36	1/2	1,114.74	1/2	761.14	1/2	406.42	1/2	47.47	1/2	1/2		1/2		1/2
3/4	2,183.76	3/4	1,825.53	3/4	1,465.85	3/4	1,107.36	3/4	753.80	3/4	398.91	3/4	40.88	3/4	3/4		3/4		3/4
4	2,176.25	4	1,818.08	4	1,458.34	4	1,099.99	4	746.46	4	391.40	4	34.30	4	4		4		4
1/4	2,168.73	1/4	1,810.64	1/4	1,450.83	1/4	1,092.62	1/4	739.12	1/4	383.89	1/4	29.60	1/4	1/4		1/4		1/4
1/2	2,161.22	1/2	1,803.19	1/2	1,443.32	1/2	1,085.25	1/2	731.78	1/2	376.38	1/2	24.89	1/2	1/2		1/2		1/2
3/4	2,153.71	3/4	1,795.75	3/4	1,435.80	3/4	1,077.89	3/4	724.43	3/4	368.86	3/4	20.19	3/4	3/4		3/4		3/4
5	2,146.20	5	1,788.30	5	1,428.29	5	1,070.52	5	717.09	5	361.35	5	15.49	5	5		5		5
1/4	2,138.69	1/4	1,780.85	1/4	1,420.78	1/4	1,063.15	1/4	709.75	1/4	353.84	1/4		1/4	1/4		1/4		1/4
1/2	2,131.18	1/2	1,773.41	1/2	1,413.27	1/2	1,055.78	1/2	702.41	1/2	346.33	1/2		1/2	1/2		1/2		1/2
3/4	2,123.67	3/4	1,765.96	3/4	1,405.76	3/4	1,048.42	3/4	695.06	3/4	338.82	3/4		3/4	3/4		3/4		3/4
6	2,116.16	6	1,758.52	6	1,398.25	6	1,041.05	6	687.72	6	331.30	6		6	6		6		6
1/4	2,108.65	1/4	1,751.07	1/4	1,390.74	1/4	1,033.68	1/4	680.38	1/4	323.79	1/4		1/4	1/4		1/4		1/4
1/2	2,101.13	1/2	1,743.63	1/2	1,383.23	1/2	1,026.31	1/2	673.04	1/2	316.28	1/2		1/2	1/2		1/2		1/2
3/4	2,093.62	3/4	1,736.18	3/4	1,375.72	3/4	1,018.94	3/4	665.69	3/4	308.77	3/4		3/4	3/4		3/4		3/4
7	2,086.11	7	1,728.74	7	1,368.20	7	1,011.58	7	658.35	7	301.25	7		7	7		7		7
1/4	2,078.67	1/4	1,721.23	1/4	1,360.69	1/4	1,004.21	1/4	651.01	1/4	293.74	1/4		1/4	1/4		1/4		1/4
1/2	2,071.22	1/2	1,713.72	1/2	1,353.18	1/2	996.84	1/2	643.66	1/2	286.23	1/2		1/2	1/2		1/2		1/2
3/4	2,063.78	3/4	1,706.20	3/4	1,345.67	3/4	989.47	3/4	636.32	3/4	278.72	3/4		3/4	3/4		3/4		3/4
8	2,056.33	8	1,698.69	8	1,338.16	8	982.11	8	628.98	8	271.21	8		8	8		8		8
1/4	2,048.89	1/4	1,691.18	1/4	1,330.65	1/4	974.74	1/4	621.63	1/4	263.69	1/4		1/4	1/4		1/4		1/4
1/2	2,041.44	1/2	1,683.67	1/2	1,323.14	1/2	967.37	1/2	614.29	1/2	256.18	1/2		1/2	1/2		1/2		1/2
3/4	2,033.99	3/4	1,676.16	3/4	1,315.63	3/4	960.00	3/4	606.95	3/4	248.67	3/4		3/4	3/4		3/4		3/4
9	2,026.55	9	1,668.65	9	1,308.12	9	952.64	9	599.61	9	241.16	9		9	9		9		9
1/4	2,019.10	1/4	1,661.14	1/4	1,300.60	1/4	945.27	1/4	592.26	1/4	233.65	1/4		1/4	1/4		1/4		1/4
1/2	2,011.66	1/2	1,653.63	1/2	1,293.09	1/2	937.90	1/2	584.92	1/2	226.13	1/2		1/2	1/2		1/2		1/2
3/4	2,004.21	3/4	1,646.12	3/4	1,285.58	3/4	930.53	3/4	577.58	3/4	218.62	3/4		3/4	3/4		3/4		3/4
10	1,996.77	10	1,638.60	10	1,278.07	10	923.16	10	570.23	10	211.11	10		10	10		10		10
1/4	1,989.32	1/4	1,631.09	1/4	1,270.56	1/4	915.80	1/4	562.88	1/4	203.59	1/4		1/4	1/4		1/4		1/4
1/2	1,981.88	1/2	1,623.58	1/2	1,263.05	1/2	908.43	1/2	555.52	1/2	196.06	1/2		1/2	1/2		1/2		1/2
3/4	1,974.43	3/4	1,616.07	3/4	1,255.54	3/4	901.06	3/4	548.17	3/4	188.54	3/4		3/4	3/4		3/4		3/4
11	1,966.99	11	1,608.56	11	1,248.03	11	893.69	11	540.81	11	181.01	11		11	11		11		11
1/4	1,959.54	1/4	1,601.05	1/4	1,240.52	1/4	886.33	1/4	533.44	1/4	173.49	1/4		1/4	1/4		1/4		1/4
1/2	1,952.10	1/2	1,593.54	1/2	1,233.00	1/2	878.96	1/2	526.07	1/2	165.97	1/2		1/2	1/2		1/2		1/2
3/4	1,944.65	3/4	1,586.03	3/4	1,225.49	3/4	871.59	3/4	518.69	3/4	158.44	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/04/2012 CL - SW
CALCULATED: 04/04/2012 CL
PRINTED: 04/04/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2012

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