



BARGE "KIRBY 28133"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
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	-00-5/8	00-5/8	-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	-00-5/8	00-5/8	-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: 237'-00"

July 24, 2009

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

<http://www.pmacorp.net>



BARGE "KIRBY 28133"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,979.92	0	1,648.26	0	1,316.61	0	985.29	0	668.82	0	375.46	0	105.70	0	0	0	0	0	0
1/4	1,973.01	1/4	1,641.35	1/4	1,309.70	1/4	978.46	1/4	662.48	1/4	369.61	1/4	100.35	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,966.10	1/2	1,634.44	1/2	1,302.79	1/2	971.63	1/2	656.14	1/2	363.76	1/2	94.99	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,959.19	3/4	1,627.53	3/4	1,295.88	3/4	964.80	3/4	649.81	3/4	357.92	3/4	89.64	3/4	3/4	3/4	3/4	3/4	3/4
1	1,952.28	1	1,620.62	1	1,288.97	1	957.97	1	643.47	1	352.07	1	84.29	1	1	1	1	1	1
1/4	1,945.37	1/4	1,613.71	1/4	1,282.06	1/4	951.20	1/4	637.17	1/4	346.27	1/4	78.98	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,938.46	1/2	1,606.81	1/2	1,275.15	1/2	944.43	1/2	630.88	1/2	340.46	1/2	73.67	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,931.55	3/4	1,600.90	3/4	1,268.24	3/4	937.66	3/4	624.58	3/4	334.66	3/4	68.36	3/4	3/4	3/4	3/4	3/4	3/4
2	1,924.64	2	1,592.99	2	1,261.33	2	930.89	2	618.29	2	328.86	2	63.05	2	2	2	2	2	2
1/4	1,917.73	1/4	1,586.08	1/4	1,254.42	1/4	924.15	1/4	612.03	1/4	323.09	1/4	57.78	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,910.82	1/2	1,579.17	1/2	1,247.51	1/2	917.42	1/2	605.77	1/2	317.33	1/2	52.51	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,903.91	3/4	1,572.26	3/4	1,240.60	3/4	910.69	3/4	599.52	3/4	311.56	3/4	47.24	3/4	3/4	3/4	3/4	3/4	3/4
3	1,897.00	3	1,565.35	3	1,233.69	3	903.96	3	593.26	3	305.80	3	41.97	3	3	3	3	3	3
1/4	1,890.09	1/4	1,558.44	1/4	1,226.78	1/4	897.27	1/4	587.05	1/4	300.08	1/4	37.61	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,883.19	1/2	1,551.53	1/2	1,219.87	1/2	890.58	1/2	580.83	1/2	294.36	1/2	33.25	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,876.28	3/4	1,544.62	3/4	1,212.96	3/4	883.89	3/4	574.62	3/4	288.64	3/4	28.89	3/4	3/4	3/4	3/4	3/4	3/4
4	1,869.37	4	1,537.71	4	1,206.05	4	877.20	4	568.41	4	282.91	4	24.53	4	4	4	4	4	4
1/4	1,862.46	1/4	1,530.80	1/4	1,199.14	1/4	870.55	1/4	562.23	1/4	277.23	1/4	21.93	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,855.55	1/2	1,523.89	1/2	1,192.24	1/2	863.90	1/2	556.06	1/2	271.55	1/2	19.33	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,848.64	3/4	1,516.98	3/4	1,185.33	3/4	857.25	3/4	549.89	3/4	265.87	3/4	16.74	3/4	3/4	3/4	3/4	3/4	3/4
5	1,841.73	5	1,510.07	5	1,178.42	5	850.60	5	543.71	5	260.18	5	14.14	5	5	5	5	5	5
1/4	1,834.82	1/4	1,503.16	1/4	1,171.51	1/4	843.99	1/4	537.58	1/4	254.54	1/4	11.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,827.91	1/2	1,496.25	1/2	1,164.60	1/2	837.38	1/2	531.45	1/2	248.91	1/2	8.94	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,821.00	3/4	1,489.34	3/4	1,157.69	3/4	830.78	3/4	525.32	3/4	243.27	3/4	6.34	3/4	3/4	3/4	3/4	3/4	3/4
6	1,814.09	6	1,482.43	6	1,150.78	6	824.17	6	519.19	6	237.63	6	3.74	6	6	6	6	6	6
1/4	1,807.18	1/4	1,475.52	1/4	1,143.87	1/4	817.60	1/4	513.09	1/4	232.03	1/4	1.14	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,800.27	1/2	1,468.62	1/2	1,136.96	1/2	811.03	1/2	507.00	1/2	226.42	1/2	-1.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,793.36	3/4	1,461.71	3/4	1,130.05	3/4	804.46	3/4	500.91	3/4	220.82	3/4	-3.66	3/4	3/4	3/4	3/4	3/4	3/4
7	1,786.45	7	1,454.80	7	1,123.14	7	797.90	7	494.82	7	215.22	7	-6.06	7	7	7	7	7	7
1/4	1,779.54	1/4	1,447.89	1/4	1,116.23	1/4	791.37	1/4	488.77	1/4	209.67	1/4	-8.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,772.63	1/2	1,440.98	1/2	1,109.32	1/2	784.84	1/2	482.72	1/2	204.11	1/2	-10.86	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,765.72	3/4	1,434.07	3/4	1,102.41	3/4	778.32	3/4	476.67	3/4	198.55	3/4	-13.26	3/4	3/4	3/4	3/4	3/4	3/4
8	1,758.81	8	1,427.16	8	1,095.50	8	771.79	8	470.62	8	193.00	8	-15.66	8	8	8	8	8	8
1/4	1,751.90	1/4	1,420.25	1/4	1,088.59	1/4	765.31	1/4	464.61	1/4	187.48	1/4	-18.06	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,745.00	1/2	1,413.34	1/2	1,081.69	1/2	758.82	1/2	458.60	1/2	181.96	1/2	-20.46	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,738.09	3/4	1,406.43	3/4	1,074.78	3/4	752.33	3/4	452.59	3/4	176.44	3/4	-22.86	3/4	3/4	3/4	3/4	3/4	3/4
9	1,731.18	9	1,399.52	9	1,067.87	9	745.85	9	446.58	9	170.92	9	-25.26	9	9	9	9	9	9
1/4	1,724.27	1/4	1,392.61	1/4	1,060.97	1/4	739.39	1/4	440.51	1/4	165.44	1/4	-27.66	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,717.36	1/2	1,385.70	1/2	1,054.07	1/2	732.93	1/2	434.64	1/2	159.97	1/2	-30.06	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,710.45	3/4	1,378.79	3/4	1,047.17	3/4	726.47	3/4	428.68	3/4	154.49	3/4	-32.46	3/4	3/4	3/4	3/4	3/4	3/4
10	1,703.54	10	1,371.88	10	1,040.27	10	720.01	10	422.71	10	149.02	10	-34.86	10	10	10	10	10	10
1/4	1,696.63	1/4	1,364.97	1/4	1,033.38	1/4	713.59	1/4	416.78	1/4	143.58	1/4	-37.26	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,689.72	1/2	1,358.06	1/2	1,026.50	1/2	707.17	1/2	410.85	1/2	138.14	1/2	-39.66	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,682.81	3/4	1,351.15	3/4	1,019.61	3/4	700.75	3/4	404.92	3/4	132.70	3/4	-42.06	3/4	3/4	3/4	3/4	3/4	3/4
11	1,675.90	11	1,344.24	11	1,012.73	11	694.33	11	399.00	11	127.26	11	-44.46	11	11	11	11	11	11
1/4	1,668.99	1/4	1,337.33	1/4	1,005.87	1/4	687.95	1/4	393.11	1/4	121.87	1/4	-46.86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,662.08	1/2	1,330.43	1/2	999.01	1/2	681.57	1/2	387.23	1/2	116.48	1/2	-49.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,655.17	3/4	1,323.52	3/4	992.15	3/4	675.20	3/4	381.34	3/4	111.09	3/4	-51.66	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/24/2009 CL - SW
CALCULATED: 07/24/2009 CL
PRINTED: 07/24/2009 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2009

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2892
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28133"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,977.88	0	1,946.27	0	1,914.66	0	983.50	0	668.72	0	375.40	0	105.68	0	0	0	0	0	0
1/4	1,970.97	1/4	1,639.36	1/4	1,307.75	1/4	976.71	1/4	662.38	1/4	369.55	1/4	100.33	1/4	0	0	0	0	1/4
1/2	1,964.07	1/2	1,632.45	1/2	1,300.84	1/2	969.12	1/2	656.05	1/2	363.71	1/2	94.98	1/2	0	0	0	0	1/2
3/4	1,957.16	3/4	1,625.54	3/4	1,293.93	3/4	963.12	3/4	649.71	3/4	357.86	3/4	89.62	3/4	0	0	0	0	3/4
1	1,950.25	1	1,618.64	1	1,287.02	1	956.33	1	643.37	1	352.02	1	84.27	1	0	0	0	0	1
1/4	1,943.34	1/4	1,611.73	1/4	1,280.11	1/4	949.60	1/4	637.08	1/4	346.21	1/4	78.97	1/4	0	0	0	0	1/4
1/2	1,936.43	1/2	1,604.82	1/2	1,273.21	1/2	942.87	1/2	630.76	1/2	340.41	1/2	73.66	1/2	0	0	0	0	1/2
3/4	1,929.52	3/4	1,597.91	3/4	1,266.30	3/4	936.14	3/4	624.49	3/4	334.61	3/4	68.35	3/4	0	0	0	0	3/4
2	1,922.61	2	1,591.00	2	1,259.39	2	929.40	2	618.19	2	328.81	2	63.04	2	0	0	0	0	2
1/4	1,915.71	1/4	1,584.09	1/4	1,252.48	1/4	922.71	1/4	611.94	1/4	323.04	1/4	57.77	1/4	0	0	0	0	1/4
1/2	1,908.80	1/2	1,577.18	1/2	1,245.57	1/2	916.02	1/2	605.68	1/2	317.28	1/2	52.50	1/2	0	0	0	0	1/2
3/4	1,901.89	3/4	1,570.28	3/4	1,238.66	3/4	909.33	3/4	599.43	3/4	311.52	3/4	47.24	3/4	0	0	0	0	3/4
3	1,894.98	3	1,563.37	3	1,231.75	3	902.64	3	593.17	3	305.75	3	41.97	3	0	0	0	0	3
1/4	1,888.07	1/4	1,556.46	1/4	1,224.85	1/4	895.99	1/4	586.96	1/4	300.03	1/4	37.60	1/4	0	0	0	0	1/4
1/2	1,881.16	1/2	1,549.55	1/2	1,217.94	1/2	889.34	1/2	580.75	1/2	294.31	1/2	33.24	1/2	0	0	0	0	1/2
3/4	1,874.25	3/4	1,542.64	3/4	1,211.03	3/4	882.68	3/4	574.53	3/4	288.59	3/4	28.88	3/4	0	0	0	0	3/4
4	1,867.34	4	1,535.73	4	1,204.12	4	876.03	4	568.32	4	282.87	4	24.52	4	0	0	0	0	4
1/4	1,860.44	1/4	1,528.82	1/4	1,197.21	1/4	869.42	1/4	562.15	1/4	277.19	1/4	21.93	1/4	0	0	0	0	1/4
1/2	1,853.53	1/2	1,521.91	1/2	1,190.30	1/2	862.81	1/2	555.98	1/2	271.51	1/2	19.33	1/2	0	0	0	0	1/2
3/4	1,846.62	3/4	1,515.01	3/4	1,183.39	3/4	856.20	3/4	549.80	3/4	265.83	3/4	16.74	3/4	0	0	0	0	3/4
5	1,839.71	5	1,508.10	5	1,176.48	5	849.59	5	543.63	5	260.14	5	14.14	5	0	0	0	0	5
1/4	1,832.80	1/4	1,501.19	1/4	1,169.58	1/4	843.03	1/4	537.50	1/4	254.51	1/4	11.55	1/4	0	0	0	0	1/4
1/2	1,825.89	1/2	1,494.28	1/2	1,162.67	1/2	836.46	1/2	531.37	1/2	248.87	1/2	9.96	1/2	0	0	0	0	1/2
3/4	1,818.98	3/4	1,487.37	3/4	1,155.76	3/4	829.89	3/4	525.24	3/4	243.23	3/4	8.37	3/4	0	0	0	0	3/4
6	1,812.08	6	1,480.46	6	1,148.85	6	823.32	6	519.11	6	237.59	6	6.78	6	0	0	0	0	6
1/4	1,805.17	1/4	1,473.55	1/4	1,141.94	1/4	816.79	1/4	513.02	1/4	231.99	1/4	5.19	1/4	0	0	0	0	1/4
1/2	1,798.26	1/2	1,466.65	1/2	1,135.03	1/2	810.26	1/2	506.93	1/2	226.39	1/2	3.60	1/2	0	0	0	0	1/2
3/4	1,791.35	3/4	1,459.74	3/4	1,128.12	3/4	803.74	3/4	500.83	3/4	220.79	3/4	2.01	3/4	0	0	0	0	3/4
7	1,784.44	7	1,452.83	7	1,121.22	7	797.21	7	494.74	7	215.19	7	0.42	7	0	0	0	0	7
1/4	1,777.53	1/4	1,445.92	1/4	1,114.31	1/4	790.72	1/4	488.69	1/4	209.63	1/4	0.83	1/4	0	0	0	0	1/4
1/2	1,770.62	1/2	1,439.01	1/2	1,107.40	1/2	784.23	1/2	482.65	1/2	204.08	1/2	0.24	1/2	0	0	0	0	1/2
3/4	1,763.72	3/4	1,432.10	3/4	1,100.49	3/4	777.75	3/4	476.60	3/4	198.52	3/4	0.65	3/4	0	0	0	0	3/4
8	1,756.81	8	1,425.19	8	1,093.58	8	771.26	8	470.55	8	192.97	8	0.06	8	0	0	0	0	8
1/4	1,749.90	1/4	1,418.29	1/4	1,086.67	1/4	764.81	1/4	464.54	1/4	187.45	1/4	0.47	1/4	0	0	0	0	1/4
1/2	1,742.99	1/2	1,411.38	1/2	1,079.77	1/2	758.37	1/2	458.53	1/2	181.93	1/2	0.88	1/2	0	0	0	0	1/2
3/4	1,736.08	3/4	1,404.47	3/4	1,072.86	3/4	751.92	3/4	452.52	3/4	176.41	3/4	1.29	3/4	0	0	0	0	3/4
9	1,729.17	9	1,397.56	9	1,065.95	9	745.47	9	446.51	9	170.89	9	1.70	9	0	0	0	0	9
1/4	1,722.26	1/4	1,390.65	1/4	1,059.05	1/4	739.05	1/4	440.55	1/4	165.42	1/4	2.11	1/4	0	0	0	0	1/4
1/2	1,715.36	1/2	1,383.74	1/2	1,052.15	1/2	732.63	1/2	434.58	1/2	159.94	1/2	2.52	1/2	0	0	0	0	1/2
3/4	1,708.45	3/4	1,376.83	3/4	1,045.25	3/4	726.21	3/4	428.61	3/4	154.47	3/4	2.93	3/4	0	0	0	0	3/4
10	1,701.54	10	1,369.93	10	1,038.35	10	719.78	10	422.65	10	149.00	10	3.34	10	0	0	0	0	10
1/4	1,694.63	1/4	1,363.02	1/4	1,031.47	1/4	713.39	1/4	416.72	1/4	143.56	1/4	3.75	1/4	0	0	0	0	1/4
1/2	1,687.72	1/2	1,356.11	1/2	1,024.59	1/2	707.01	1/2	410.79	1/2	138.12	1/2	4.16	1/2	0	0	0	0	1/2
3/4	1,680.81	3/4	1,349.20	3/4	1,017.70	3/4	700.62	3/4	404.86	3/4	132.68	3/4	4.57	3/4	0	0	0	0	3/4
11	1,673.90	11	1,342.29	11	1,010.82	11	694.23	11	398.94	11	127.24	11	4.98	11	0	0	0	0	11
1/4	1,667.00	1/4	1,335.38	1/4	1,003.99	1/4	687.85	1/4	393.05	1/4	121.85	1/4	5.39	1/4	0	0	0	0	1/4
1/2	1,660.09	1/2	1,328.47	1/2	997.16	1/2	681.47	1/2	387.17	1/2	116.46	1/2	5.80	1/2	0	0	0	0	1/2
3/4	1,653.18	3/4	1,321.57	3/4	990.33	3/4	675.10	3/4	381.28	3/4	111.07	3/4	6.21	3/4	0	0	0	0	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/24/2009 CL - SW
 CALCULATED: 07/24/2009 CL
 PRINTED: 07/24/2009 SW

CANCELS AND SUPERCEDES
 ALL PRIOR TO 07/2009

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28133"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,489.17	0	2,101.01	0	1,712.85	0	1,324.69	0	936.53	0	549.24	0	161.49	0	0	0	0	0	0
1/4	2,481.09	1/4	2,092.93	1/4	1,704.76	1/4	1,316.60	1/4	928.44	1/4	541.16	1/4	153.42	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,473.00	1/2	2,084.84	1/2	1,696.68	1/2	1,308.52	1/2	920.35	1/2	533.08	1/2	145.34	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,464.91	3/4	2,076.75	3/4	1,688.59	3/4	1,300.43	3/4	912.27	3/4	525.00	3/4	137.26	3/4	3/4	3/4	3/4	3/4	3/4
1	2,456.83	1	2,068.67	1	1,680.50	1	1,292.34	1	904.18	1	516.93	1	129.18	1	1	1	1	1	1
1/4	2,448.74	1/4	2,060.58	1/4	1,672.42	1/4	1,284.26	1/4	896.11	1/4	508.85	1/4	121.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,440.65	1/2	2,052.49	1/2	1,664.33	1/2	1,276.17	1/2	888.03	1/2	500.77	1/2	113.03	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,432.57	3/4	2,044.41	3/4	1,656.24	3/4	1,268.08	3/4	879.96	3/4	492.69	3/4	104.95	3/4	3/4	3/4	3/4	3/4	3/4
2	2,424.48	2	2,036.32	2	1,648.16	2	1,260.00	2	871.88	2	484.61	2	96.87	2	2	2	2	2	2
1/4	2,416.39	1/4	2,028.23	1/4	1,640.07	1/4	1,251.91	1/4	863.82	1/4	476.54	1/4	88.79	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,408.31	1/2	2,020.14	1/2	1,631.98	1/2	1,243.82	1/2	855.76	1/2	468.46	1/2	80.71	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,400.22	3/4	2,012.06	3/4	1,623.90	3/4	1,235.74	3/4	847.70	3/4	460.38	3/4	72.64	3/4	3/4	3/4	3/4	3/4	3/4
3	2,392.13	3	2,003.97	3	1,615.81	3	1,227.65	3	839.63	3	452.30	3	64.56	3	3	3	3	3	3
1/4	2,384.05	1/4	1,995.88	1/4	1,607.72	1/4	1,219.56	1/4	831.57	1/4	444.22	1/4	57.49	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,375.96	1/2	1,987.80	1/2	1,599.64	1/2	1,211.47	1/2	823.51	1/2	436.15	1/2	50.42	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,367.87	3/4	1,979.71	3/4	1,591.55	3/4	1,203.39	3/4	815.45	3/4	428.07	3/4	43.35	3/4	3/4	3/4	3/4	3/4	3/4
4	2,359.79	4	1,971.62	4	1,583.46	4	1,195.30	4	807.38	4	419.99	4	36.29	4	4	4	4	4	4
1/4	2,351.70	1/4	1,963.54	1/4	1,575.38	1/4	1,187.21	1/4	799.32	1/4	411.91	1/4	31.24	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,343.61	1/2	1,955.45	1/2	1,567.29	1/2	1,179.13	1/2	791.26	1/2	403.83	1/2	26.19	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,335.53	3/4	1,947.36	3/4	1,559.20	3/4	1,171.04	3/4	783.20	3/4	395.76	3/4	21.15	3/4	3/4	3/4	3/4	3/4	3/4
5	2,327.44	5	1,939.28	5	1,551.12	5	1,162.95	5	775.14	5	387.68	5	16.10	5	5	5	5	5	5
1/4	2,319.35	1/4	1,931.19	1/4	1,543.03	1/4	1,154.87	1/4	767.07	1/4	379.60	1/4	11.05	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,311.27	1/2	1,923.10	1/2	1,534.94	1/2	1,146.78	1/2	759.01	1/2	371.52	1/2	6.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,303.18	3/4	1,915.02	3/4	1,526.86	3/4	1,138.69	3/4	750.95	3/4	363.44	3/4	1.00	3/4	3/4	3/4	3/4	3/4	3/4
6	2,295.09	6	1,906.93	6	1,518.77	6	1,130.61	6	742.89	6	355.37	6	0.00	6	6	6	6	6	6
1/4	2,287.01	1/4	1,898.84	1/4	1,510.68	1/4	1,122.52	1/4	734.82	1/4	347.29	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,278.92	1/2	1,890.76	1/2	1,502.60	1/2	1,114.43	1/2	726.76	1/2	339.21	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,270.83	3/4	1,882.67	3/4	1,494.51	3/4	1,106.35	3/4	718.70	3/4	331.13	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
7	2,262.75	7	1,874.58	7	1,486.42	7	1,098.26	7	710.64	7	323.05	7	0.00	7	7	7	7	7	7
1/4	2,254.66	1/4	1,866.50	1/4	1,478.34	1/4	1,090.17	1/4	702.58	1/4	314.98	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,246.57	1/2	1,858.41	1/2	1,470.25	1/2	1,082.09	1/2	694.51	1/2	306.90	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,238.49	3/4	1,850.32	3/4	1,462.16	3/4	1,074.00	3/4	686.45	3/4	298.82	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
8	2,230.40	8	1,842.24	8	1,454.08	8	1,065.91	8	678.39	8	290.74	8	0.00	8	8	8	8	8	8
1/4	2,222.31	1/4	1,834.15	1/4	1,445.99	1/4	1,057.83	1/4	670.33	1/4	282.66	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,214.23	1/2	1,826.06	1/2	1,437.90	1/2	1,049.74	1/2	662.27	1/2	274.59	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,206.14	3/4	1,817.98	3/4	1,429.82	3/4	1,041.65	3/4	654.20	3/4	266.51	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
9	2,198.05	9	1,809.89	9	1,421.73	9	1,033.57	9	646.14	9	258.43	9	0.00	9	9	9	9	9	9
1/4	2,189.97	1/4	1,801.80	1/4	1,413.64	1/4	1,025.48	1/4	638.07	1/4	250.35	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,181.88	1/2	1,793.72	1/2	1,405.56	1/2	1,017.39	1/2	630.00	1/2	242.27	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,173.79	3/4	1,785.63	3/4	1,397.47	3/4	1,009.31	3/4	621.93	3/4	234.20	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
10	2,165.71	10	1,777.54	10	1,389.38	10	1,001.22	10	613.86	10	226.12	10	0.00	10	10	10	10	10	10
1/4	2,157.62	1/4	1,769.46	1/4	1,381.30	1/4	993.13	1/4	605.78	1/4	218.04	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,149.53	1/2	1,761.37	1/2	1,373.21	1/2	985.05	1/2	597.71	1/2	209.96	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,141.45	3/4	1,753.28	3/4	1,365.12	3/4	976.96	3/4	589.63	3/4	201.88	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
11	2,133.36	11	1,745.20	11	1,357.04	11	968.87	11	581.55	11	193.81	11	0.00	11	11	11	11	11	11
1/4	2,125.27	1/4	1,737.11	1/4	1,348.95	1/4	960.79	1/4	573.47	1/4	185.73	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,117.19	1/2	1,729.02	1/2	1,340.86	1/2	952.70	1/2	565.39	1/2	177.65	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,109.10	3/4	1,720.94	3/4	1,332.78	3/4	944.61	3/4	557.32	3/4	169.57	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/24/2009 CL - SW
CALCULATED: 07/24/2009 CL
PRINTED: 07/24/2009 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2009

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28133"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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



BARGE "KIRBY 28133"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,475.99	0	2,087.72	0	1,699.45	0	1,311.18	0	923.51	0	550.32	0	162.08	0	0	0	0	0	0
1/4	2,469.90	1/4	2,079.63	1/4	1,691.36	1/4	1,303.09	1/4	915.73	1/4	542.23	1/4	153.99	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,459.81	1/2	2,071.54	1/2	1,683.27	1/2	1,295.00	1/2	907.95	1/2	534.14	1/2	145.91	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,451.72	3/4	2,063.45	3/4	1,675.18	3/4	1,286.91	3/4	900.17	3/4	526.05	3/4	137.82	3/4	3/4	3/4	3/4	3/4	3/4
1	2,443.64	1	2,055.36	1	1,667.09	1	1,278.82	1	892.39	1	517.96	1	129.73	1	1	1	1	1	1
1/4	2,435.55	1/4	2,047.27	1/4	1,659.00	1/4	1,270.73	1/4	884.63	1/4	509.87	1/4	121.64	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,427.46	1/2	2,039.19	1/2	1,650.91	1/2	1,262.64	1/2	876.86	1/2	501.79	1/2	113.55	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,419.37	3/4	2,031.10	3/4	1,642.82	3/4	1,254.55	3/4	869.10	3/4	493.70	3/4	105.46	3/4	3/4	3/4	3/4	3/4	3/4
2	2,411.28	2	2,023.01	2	1,634.74	2	1,246.46	2	861.33	2	485.61	2	97.38	2	2	2	2	2	2
1/4	2,403.19	1/4	2,014.92	1/4	1,626.65	1/4	1,238.37	1/4	853.58	1/4	477.52	1/4	89.29	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,395.10	1/2	2,006.83	1/2	1,618.56	1/2	1,230.29	1/2	845.82	1/2	469.43	1/2	81.20	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,387.01	3/4	1,998.74	3/4	1,610.47	3/4	1,222.20	3/4	838.07	3/4	461.34	3/4	73.11	3/4	3/4	3/4	3/4	3/4	3/4
3	2,378.92	3	1,990.65	3	1,602.38	3	1,214.11	3	830.31	3	453.26	3	65.02	3	3	3	3	3	3
1/4	2,370.83	1/4	1,982.56	1/4	1,594.29	1/4	1,206.02	1/4	822.56	1/4	445.17	1/4	57.94	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,362.75	1/2	1,974.47	1/2	1,586.20	1/2	1,197.93	1/2	814.80	1/2	437.08	1/2	50.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,354.66	3/4	1,966.38	3/4	1,578.11	3/4	1,189.84	3/4	807.05	3/4	428.99	3/4	43.79	3/4	3/4	3/4	3/4	3/4	3/4
4	2,346.57	4	1,958.30	4	1,570.02	4	1,181.75	4	799.29	4	420.90	4	36.71	4	4	4	4	4	4
1/4	2,338.48	1/4	1,950.21	1/4	1,561.93	1/4	1,173.66	1/4	791.54	1/4	412.82	1/4	31.65	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,330.39	1/2	1,942.12	1/2	1,553.85	1/2	1,165.57	1/2	783.78	1/2	404.73	1/2	26.60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,322.30	3/4	1,934.03	3/4	1,545.76	3/4	1,157.48	3/4	776.03	3/4	396.64	3/4	21.54	3/4	3/4	3/4	3/4	3/4	3/4
5	2,314.21	5	1,925.94	5	1,537.67	5	1,149.40	5	768.27	5	388.55	5	16.49	5	5	5	5	5	5
1/4	2,306.12	1/4	1,917.85	1/4	1,529.58	1/4	1,141.31	1/4	760.52	1/4	380.46	1/4	11.44	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,298.03	1/2	1,909.76	1/2	1,521.49	1/2	1,133.22	1/2	752.76	1/2	372.37	1/2	6.39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,289.94	3/4	1,901.67	3/4	1,513.40	3/4	1,125.13	3/4	745.01	3/4	364.29	3/4	1.34	3/4	3/4	3/4	3/4	3/4	3/4
6	2,281.86	6	1,893.58	6	1,505.31	6	1,117.04	6	737.25	6	356.20	6	0.29	6	6	6	6	6	6
1/4	2,273.77	1/4	1,885.49	1/4	1,497.22	1/4	1,108.95	1/4	729.50	1/4	348.11	1/4	0.24	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,265.68	1/2	1,877.41	1/2	1,489.13	1/2	1,100.86	1/2	721.74	1/2	340.02	1/2	0.19	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,257.59	3/4	1,869.32	3/4	1,481.04	3/4	1,092.77	3/4	713.99	3/4	331.93	3/4	0.14	3/4	3/4	3/4	3/4	3/4	3/4
7	2,249.50	7	1,861.23	7	1,472.96	7	1,084.68	7	706.23	7	323.85	7	0.09	7	7	7	7	7	7
1/4	2,241.41	1/4	1,853.14	1/4	1,464.87	1/4	1,076.59	1/4	698.48	1/4	315.76	1/4	0.04	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,233.32	1/2	1,845.05	1/2	1,456.78	1/2	1,068.51	1/2	690.73	1/2	307.67	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,225.23	3/4	1,836.96	3/4	1,448.69	3/4	1,060.42	3/4	682.98	3/4	299.58	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
8	2,217.14	8	1,828.87	8	1,440.60	8	1,052.33	8	675.22	8	291.49	8	0.00	8	8	8	8	8	8
1/4	2,209.05	1/4	1,820.78	1/4	1,432.51	1/4	1,044.24	1/4	667.47	1/4	283.40	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,200.97	1/2	1,812.69	1/2	1,424.42	1/2	1,036.15	1/2	659.72	1/2	275.32	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,192.88	3/4	1,804.60	3/4	1,416.33	3/4	1,028.06	3/4	651.96	3/4	267.23	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
9	2,184.79	9	1,796.52	9	1,408.24	9	1,019.97	9	644.21	9	259.14	9	0.00	9	9	9	9	9	9
1/4	2,176.70	1/4	1,788.43	1/4	1,400.15	1/4	1,011.88	1/4	636.45	1/4	251.05	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,168.61	1/2	1,780.34	1/2	1,392.07	1/2	1,003.79	1/2	628.68	1/2	242.96	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,160.52	3/4	1,772.25	3/4	1,383.98	3/4	995.70	3/4	620.92	3/4	234.88	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
10	2,152.43	10	1,764.16	10	1,375.89	10	987.62	10	613.16	10	226.79	10	0.00	10	10	10	10	10	10
1/4	2,144.34	1/4	1,756.07	1/4	1,367.80	1/4	979.53	1/4	605.38	1/4	218.70	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,136.25	1/2	1,747.98	1/2	1,359.71	1/2	971.44	1/2	597.60	1/2	210.61	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,128.16	3/4	1,739.89	3/4	1,351.62	3/4	963.35	3/4	589.83	3/4	202.52	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
11	2,120.08	11	1,731.80	11	1,343.53	11	955.26	11	582.05	11	194.43	11	0.00	11	11	11	11	11	11
1/4	2,111.99	1/4	1,723.71	1/4	1,335.44	1/4	947.32	1/4	574.12	1/4	186.35	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,103.90	1/2	1,715.63	1/2	1,327.35	1/2	939.39	1/2	566.18	1/2	178.26	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,095.81	3/4	1,707.54	3/4	1,319.26	3/4	931.45	3/4	558.25	3/4	170.17	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/24/2009 CL - SW
CALCULATED: 07/24/2009 CL
PRINTED: 07/24/2009 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2009

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28133"

3 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IMPMS 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 28133"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	2,325.68	1,964.35	1,603.02	1,241.69	881.13	519.84	158.52	158.52	158.52	158.52	158.52	158.52	158.52	158.52	158.52	158.52	158.52	158.52	158.52
1/2	2,318.15	1,956.82	1,595.49	1,234.16	873.62	512.31	150.99	150.99	150.99	150.99	150.99	150.99	150.99	150.99	150.99	150.99	150.99	150.99	150.99
3/4	2,310.63	1,949.30	1,587.97	1,226.64	866.10	504.78	143.47	143.47	143.47	143.47	143.47	143.47	143.47	143.47	143.47	143.47	143.47	143.47	143.47
1	2,295.57	1,934.24	1,572.91	1,211.58	851.04	497.25	135.94	135.94	135.94	135.94	135.94	135.94	135.94	135.94	135.94	135.94	135.94	135.94	135.94
1/4	2,288.04	1,926.71	1,565.38	1,204.05	843.52	492.20	128.41	128.41	128.41	128.41	128.41	128.41	128.41	128.41	128.41	128.41	128.41	128.41	128.41
1/2	2,280.51	1,919.18	1,557.86	1,196.53	835.99	487.15	121.36	121.36	121.36	121.36	121.36	121.36	121.36	121.36	121.36	121.36	121.36	121.36	121.36
3/4	2,272.99	1,911.66	1,550.33	1,189.00	828.46	482.10	114.31	114.31	114.31	114.31	114.31	114.31	114.31	114.31	114.31	114.31	114.31	114.31	114.31
1	2,265.46	1,904.13	1,542.80	1,181.47	820.93	477.05	107.26	107.26	107.26	107.26	107.26	107.26	107.26	107.26	107.26	107.26	107.26	107.26	107.26
1/4	2,257.93	1,896.60	1,535.27	1,173.94	813.41	472.00	100.21	100.21	100.21	100.21	100.21	100.21	100.21	100.21	100.21	100.21	100.21	100.21	100.21
1/2	2,250.40	1,889.07	1,527.74	1,166.41	805.88	466.94	93.16	93.16	93.16	93.16	93.16	93.16	93.16	93.16	93.16	93.16	93.16	93.16	93.16
3/4	2,242.88	1,881.55	1,520.22	1,158.89	798.35	461.88	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11
1	2,235.35	1,874.02	1,512.69	1,151.36	790.82	456.82	79.06	79.06	79.06	79.06	79.06	79.06	79.06	79.06	79.06	79.06	79.06	79.06	79.06
1/4	2,227.82	1,866.49	1,505.16	1,143.83	783.30	451.76	72.01	72.01	72.01	72.01	72.01	72.01	72.01	72.01	72.01	72.01	72.01	72.01	72.01
1/2	2,220.29	1,858.96	1,497.63	1,136.30	775.77	446.70	64.96	64.96	64.96	64.96	64.96	64.96	64.96	64.96	64.96	64.96	64.96	64.96	64.96
3/4	2,212.77	1,851.44	1,490.11	1,128.78	768.24	441.64	57.91	57.91	57.91	57.91	57.91	57.91	57.91	57.91	57.91	57.91	57.91	57.91	57.91
1	2,205.24	1,843.91	1,482.58	1,121.25	760.71	436.58	50.86	50.86	50.86	50.86	50.86	50.86	50.86	50.86	50.86	50.86	50.86	50.86	50.86
1/4	2,197.71	1,836.38	1,475.05	1,113.72	753.19	431.52	43.81	43.81	43.81	43.81	43.81	43.81	43.81	43.81	43.81	43.81	43.81	43.81	43.81
1/2	2,190.18	1,828.85	1,467.52	1,106.22	745.66	426.46	36.76	36.76	36.76	36.76	36.76	36.76	36.76	36.76	36.76	36.76	36.76	36.76	36.76
3/4	2,182.65	1,821.32	1,460.00	1,098.71	738.13	421.40	29.71	29.71	29.71	29.71	29.71	29.71	29.71	29.71	29.71	29.71	29.71	29.71	29.71
1	2,175.13	1,813.80	1,452.47	1,091.21	730.60	416.34	22.66	22.66	22.66	22.66	22.66	22.66	22.66	22.66	22.66	22.66	22.66	22.66	22.66
1/4	2,167.60	1,806.27	1,444.94	1,083.71	723.08	411.28	15.61	15.61	15.61	15.61	15.61	15.61	15.61	15.61	15.61	15.61	15.61	15.61	15.61
1/2	2,160.07	1,798.74	1,437.41	1,076.21	715.55	406.22	8.56	8.56	8.56	8.56	8.56	8.56	8.56	8.56	8.56	8.56	8.56	8.56	8.56
3/4	2,152.54	1,791.21	1,429.88	1,068.70	708.02	401.16	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
1	2,145.02	1,783.69	1,422.36	1,061.20	700.49	396.10	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
1/4	2,137.49	1,776.16	1,414.83	1,053.69	692.97	391.04	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
1/2	2,129.96	1,768.63	1,407.30	1,046.19	685.44	385.98	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
3/4	2,122.43	1,761.10	1,399.77	1,038.69	677.91	380.92	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
1	2,114.91	1,753.58	1,392.25	1,031.19	670.39	375.86	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
1/4	2,107.38	1,746.05	1,384.72	1,023.68	662.86	370.80	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
1/2	2,099.85	1,738.52	1,377.19	1,016.18	655.33	365.74	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
3/4	2,092.32	1,730.99	1,369.66	1,008.68	647.80	360.68	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
1	2,084.79	1,723.46	1,362.14	1,001.18	640.28	355.62	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
1/4	2,077.27	1,715.94	1,354.61	993.67	632.75	350.56	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
1/2	2,069.74	1,708.41	1,347.08	986.17	625.22	345.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4	2,062.21	1,700.88	1,339.55	978.67	617.69	340.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	2,054.68	1,693.35	1,332.02	971.16	610.17	335.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1/4	2,047.16	1,685.83	1,324.50	963.66	602.64	330.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1/2	2,039.63	1,678.30	1,316.97	956.15	595.11	325.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4	2,032.10	1,670.77	1,309.44	948.65	587.58	320.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	2,024.57	1,663.24	1,301.91	941.15	580.06	315.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1/4	2,017.05	1,655.72	1,294.39	933.65	572.53	310.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1/2	2,009.52	1,648.19	1,286.86	926.15	565.00	305.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4	2,001.99	1,640.66	1,279.33	918.64	557.47	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	1,994.46	1,633.13	1,271.80	911.14	549.95	295.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1/4	1,986.93	1,625.60	1,264.28	903.64	542.42	290.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1/2	1,979.41	1,618.08	1,256.75	896.13	534.89	285.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4	1,971.88	1,610.55	1,249.22	888.63	527.36	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/24/2009 CL - SW
 CALCULATED: 07/24/2009 CL
 PRINTED: 07/24/2009 SW
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 07/2009

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



BARGE "KIRBY 28133"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13

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>

SHEET NO. 11 OF 12



BARGE "KIRBY 28133"

3 STBD ULLAGE TABLE

CAPACITIES IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,305.29	0	1,945.80	0	1,586.96	0	1,226.22	0	872.11	0	519.00	0	158.54	0	0	0	0	0	0
1/4	2,297.78	1/4	1,938.35	1/4	1,579.45	1/4	1,218.70	1/4	864.73	1/4	511.62	1/4	151.01	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,290.26	1/2	1,930.90	1/2	1,571.93	1/2	1,211.32	1/2	857.36	1/2	504.17	1/2	143.48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,282.75	3/4	1,923.45	3/4	1,564.42	3/4	1,203.93	3/4	849.98	3/4	496.73	3/4	135.95	3/4	3/4	3/4	3/4	3/4	3/4
1	2,275.23	1	1,916.00	1	1,556.90	1	1,196.57	1	842.60	1	489.28	1	128.42	1	1	1	1	1	1
1/4	2,267.72	1/4	1,908.55	1/4	1,549.39	1/4	1,189.19	1/4	835.22	1/4	481.83	1/4	120.90	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,260.20	1/2	1,901.10	1/2	1,541.87	1/2	1,181.81	1/2	827.84	1/2	474.31	1/2	113.37	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,252.69	3/4	1,893.65	3/4	1,534.35	3/4	1,174.43	3/4	820.47	3/4	466.80	3/4	105.84	3/4	3/4	3/4	3/4	3/4	3/4
2	2,245.17	2	1,886.20	2	1,526.84	2	1,167.05	2	813.09	2	459.28	2	98.31	2	2	2	2	2	2
1/4	2,237.65	1/4	1,878.75	1/4	1,519.32	1/4	1,159.67	1/4	805.72	1/4	451.76	1/4	90.78	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,230.14	1/2	1,871.30	1/2	1,511.81	1/2	1,152.29	1/2	798.36	1/2	444.25	1/2	83.25	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,222.62	3/4	1,863.85	3/4	1,504.29	3/4	1,144.91	3/4	791.00	3/4	436.73	3/4	75.73	3/4	3/4	3/4	3/4	3/4	3/4
3	2,215.11	3	1,856.40	3	1,496.78	3	1,137.53	3	783.64	3	429.22	3	68.20	3	3	3	3	3	3
1/4	2,207.59	1/4	1,848.95	1/4	1,489.26	1/4	1,130.15	1/4	776.28	1/4	421.70	1/4	60.67	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,200.08	1/2	1,841.50	1/2	1,481.75	1/2	1,122.77	1/2	768.94	1/2	414.18	1/2	54.08	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,192.56	3/4	1,834.05	3/4	1,474.23	3/4	1,115.40	3/4	761.59	3/4	406.67	3/4	47.49	3/4	3/4	3/4	3/4	3/4	3/4
4	2,185.05	4	1,826.60	4	1,466.71	4	1,108.02	4	754.25	4	399.15	4	40.91	4	4	4	4	4	4
1/4	2,177.53	1/4	1,819.15	1/4	1,459.20	1/4	1,100.64	1/4	746.90	1/4	391.63	1/4	34.32	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,170.01	1/2	1,811.70	1/2	1,451.68	1/2	1,093.27	1/2	739.55	1/2	384.12	1/2	29.61	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,162.50	3/4	1,804.25	3/4	1,444.17	3/4	1,085.89	3/4	732.21	3/4	376.60	3/4	24.91	3/4	3/4	3/4	3/4	3/4	3/4
5	2,154.98	5	1,796.80	5	1,436.65	5	1,078.52	5	724.86	5	369.08	5	20.20	5	5	5	5	5	5
1/4	2,147.47	1/4	1,789.35	1/4	1,429.14	1/4	1,071.15	1/4	717.52	1/4	361.57	1/4	15.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,139.95	1/2	1,781.91	1/2	1,421.62	1/2	1,063.78	1/2	710.17	1/2	354.05	1/2	11.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,132.44	3/4	1,774.46	3/4	1,414.11	3/4	1,056.41	3/4	702.82	3/4	346.53	3/4	6.50	3/4	3/4	3/4	3/4	3/4	3/4
6	2,124.92	6	1,767.01	6	1,406.59	6	1,049.03	6	695.47	6	339.02	6	6.00	6	6	6	6	6	6
1/4	2,117.41	1/4	1,759.56	1/4	1,399.08	1/4	1,041.66	1/4	688.13	1/4	331.50	1/4	1.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,109.89	1/2	1,752.11	1/2	1,391.56	1/2	1,034.29	1/2	680.78	1/2	323.98	1/2	1.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,102.37	3/4	1,744.66	3/4	1,384.04	3/4	1,026.92	3/4	673.43	3/4	316.47	3/4	0.50	3/4	3/4	3/4	3/4	3/4	3/4
7	2,094.86	7	1,737.21	7	1,376.53	7	1,019.55	7	666.09	7	308.95	7	0.00	7	7	7	7	7	7
1/4	2,087.34	1/4	1,729.76	1/4	1,369.01	1/4	1,012.17	1/4	658.74	1/4	301.43	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,079.89	1/2	1,722.24	1/2	1,361.50	1/2	1,004.80	1/2	651.39	1/2	293.92	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,072.44	3/4	1,714.73	3/4	1,353.98	3/4	997.43	3/4	644.04	3/4	286.40	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
8	2,064.99	8	1,707.21	8	1,346.47	8	990.06	8	636.70	8	278.88	8	0.00	8	8	8	8	8	8
1/4	2,057.54	1/4	1,699.70	1/4	1,338.95	1/4	982.69	1/4	629.35	1/4	271.37	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,050.09	1/2	1,692.18	1/2	1,331.44	1/2	975.31	1/2	622.00	1/2	263.85	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,042.64	3/4	1,684.66	3/4	1,323.92	3/4	967.94	3/4	614.65	3/4	256.33	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
9	2,035.19	9	1,677.15	9	1,316.40	9	960.57	9	607.31	9	248.82	9	0.00	9	9	9	9	9	9
1/4	2,027.75	1/4	1,669.63	1/4	1,308.89	1/4	953.20	1/4	599.96	1/4	241.30	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,020.30	1/2	1,662.12	1/2	1,301.37	1/2	945.83	1/2	592.61	1/2	233.78	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,012.85	3/4	1,654.60	3/4	1,293.86	3/4	938.45	3/4	585.27	3/4	226.27	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
10	2,005.40	10	1,647.09	10	1,286.34	10	931.08	10	577.92	10	218.75	10	0.00	10	10	10	10	10	10
1/4	1,997.95	1/4	1,639.57	1/4	1,278.83	1/4	923.71	1/4	570.57	1/4	211.23	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,990.50	1/2	1,632.06	1/2	1,271.31	1/2	916.34	1/2	563.21	1/2	203.71	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,983.05	3/4	1,624.54	3/4	1,263.80	3/4	909.97	3/4	555.85	3/4	196.18	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
11	1,975.60	11	1,617.02	11	1,256.28	11	901.59	11	548.49	11	188.65	11	0.00	11	11	11	11	11	11
1/4	1,968.15	1/4	1,609.51	1/4	1,248.77	1/4	894.22	1/4	541.13	1/4	181.12	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,960.70	1/2	1,601.99	1/2	1,241.25	1/2	886.85	1/2	533.75	1/2	173.59	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,953.25	3/4	1,594.48	3/4	1,233.73	3/4	879.48	3/4	526.38	3/4	166.06	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/24/2009 CL - SW
CALCULATED: 07/24/2009 CL
PRINTED: 07/24/2009 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2009

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net