



BARGE "KIRBY 10214"

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 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 CENTER	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 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 163'-06"

August 10, 2010

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

<http://www.pmacorp.net>



BARGE "KIRBY 10214"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
0	0	0	0	0	0	3,773.07	0	3,537.73	0	3,284.91	0	3,032.09	0	2,770.93	0	2,475.32	0	2,179.07		
1/4	1/4	1/4	1/4	1/4	1/4	3,771.00	1/4	3,532.46	1/4	3,279.64	1/4	3,026.82	1/4	2,764.77	1/4	2,469.15	1/4	2,172.89		
1/2	1/2	1/2	1/2	1/2	1/2	3,768.94	1/2	3,527.20	1/2	3,274.38	1/2	3,021.55	1/2	2,758.62	1/2	2,462.98	1/2	2,166.72		
3/4	3/4	3/4	3/4	3/4	3/4	3,766.87	3/4	3,521.93	3/4	3,269.11	3/4	3,016.29	3/4	2,752.47	3/4	2,456.81	3/4	2,160.55		
1	1	1	1	1	1	3,762.74	1	3,516.66	1	3,263.84	1	3,011.02	1	2,746.31	1	2,450.63	1	2,154.38		
1/4	1/4	1/4	1/4	1/4	1/4	3,758.61	1/4	3,511.40	1/4	3,258.57	1/4	3,005.75	1/4	2,740.16	1/4	2,444.46	1/4	2,148.21		
1/2	1/2	1/2	1/2	1/2	1/2	3,754.48	1/2	3,506.13	1/2	3,253.31	1/2	3,000.49	1/2	2,734.01	1/2	2,438.29	1/2	2,142.03		
3/4	3/4	3/4	3/4	3/4	3/4	3,750.34	3/4	3,500.86	3/4	3,248.04	3/4	2,995.22	3/4	2,727.85	3/4	2,432.12	3/4	2,135.86		
2	2	2	2	2	2	3,745.45	2	3,495.59	2	3,242.77	2	2,989.95	2	2,721.70	2	2,425.95	2	2,129.69		
1/4	1/4	1/4	1/4	1/4	1/4	3,740.56	1/4	3,490.33	1/4	3,237.51	1/4	2,984.69	1/4	2,715.55	1/4	2,419.77	1/4	2,123.52		
1/2	1/2	1/2	1/2	1/2	1/2	3,735.67	1/2	3,485.06	1/2	3,232.24	1/2	2,979.42	1/2	2,709.39	1/2	2,413.60	1/2	2,117.35		
3/4	3/4	3/4	3/4	3/4	3/4	3,730.78	3/4	3,479.79	3/4	3,226.97	3/4	2,974.15	3/4	2,703.24	3/4	2,407.43	3/4	2,111.17		
3	3	3	3	3	3	3,725.63	3	3,474.53	3	3,221.70	3	2,968.88	3	2,697.09	3	2,401.26	3	2,105.00		
1/4	1/4	1/4	1/4	1/4	1/4	3,720.47	1/4	3,469.26	1/4	3,216.44	1/4	2,963.62	1/4	2,690.93	1/4	2,395.09	1/4	2,098.83		
1/2	1/2	1/2	1/2	1/2	1/2	3,715.32	1/2	3,463.99	1/2	3,211.17	1/2	2,958.35	1/2	2,684.78	1/2	2,388.91	1/2	2,092.66		
3/4	3/4	3/4	3/4	3/4	3/4	3,710.16	3/4	3,458.72	3/4	3,205.90	3/4	2,953.08	3/4	2,678.63	3/4	2,382.74	3/4	2,086.49		
4	4	4	4	4	4	3,704.98	4	3,453.46	4	3,200.64	4	2,947.82	4	2,672.47	4	2,376.57	4	2,080.31		
1/4	1/4	1/4	1/4	1/4	1/4	3,699.80	1/4	3,448.19	1/4	3,195.37	1/4	2,942.55	1/4	2,666.32	1/4	2,370.40	1/4	2,074.14		
1/2	1/2	1/2	1/2	1/2	1/2	3,694.62	1/2	3,442.92	1/2	3,190.10	1/2	2,937.28	1/2	2,660.17	1/2	2,364.23	1/2	2,067.97		
3/4	3/4	3/4	3/4	3/4	3/4	3,689.44	3/4	3,437.66	3/4	3,184.83	3/4	2,932.01	3/4	2,654.01	3/4	2,358.05	3/4	2,061.80		
5	5	5	5	5	5	3,684.26	5	3,432.39	5	3,179.57	5	2,926.75	5	2,647.86	5	2,351.88	5	2,055.63		
1/4	1/4	1/4	1/4	1/4	1/4	3,679.08	1/4	3,427.12	1/4	3,174.30	1/4	2,921.48	1/4	2,641.71	1/4	2,345.71	1/4	2,049.45		
1/2	1/2	1/2	1/2	1/2	1/2	3,673.90	1/2	3,421.85	1/2	3,169.03	1/2	2,916.21	1/2	2,635.55	1/2	2,339.54	1/2	2,043.28		
3/4	3/4	3/4	3/4	3/4	3/4	3,668.71	3/4	3,416.59	3/4	3,163.77	3/4	2,910.95	3/4	2,629.40	3/4	2,333.37	3/4	2,037.11		
6	6	6	6	6	6	3,663.53	6	3,411.32	6	3,158.50	6	2,905.68	6	2,623.25	6	2,327.19	6	2,030.94		
1/4	1/4	1/4	1/4	1/4	1/4	3,658.35	1/4	3,406.05	1/4	3,153.23	1/4	2,900.41	1/4	2,617.09	1/4	2,321.02	1/4	2,024.77		
1/2	1/2	1/2	1/2	1/2	1/2	3,653.17	1/2	3,400.79	1/2	3,147.97	1/2	2,895.14	1/2	2,610.94	1/2	2,314.85	1/2	2,018.59		
3/4	3/4	3/4	3/4	3/4	3/4	3,647.99	3/4	3,395.52	3/4	3,142.70	3/4	2,889.88	3/4	2,604.79	3/4	2,308.68	3/4	2,012.42		
7	7	7	7	7	7	3,642.81	7	3,390.25	7	3,137.43	7	2,884.61	7	2,598.63	7	2,302.51	7	2,006.25		
1/4	1/4	1/4	1/4	1/4	1/4	3,637.63	1/4	3,384.98	1/4	3,132.16	1/4	2,879.34	1/4	2,592.48	1/4	2,296.33	1/4	2,000.08		
1/2	1/2	1/2	1/2	1/2	1/2	3,632.45	1/2	3,379.72	1/2	3,126.90	1/2	2,874.08	1/2	2,586.33	1/2	2,290.16	1/2	1,993.91		
3/4	3/4	3/4	3/4	3/4	3/4	3,627.27	3/4	3,374.45	3/4	3,121.63	3/4	2,868.81	3/4	2,580.17	3/4	2,283.99	3/4	1,987.73		
8	8	8	8	8	8	3,622.00	8	3,369.18	8	3,116.36	8	2,863.52	8	2,574.02	8	2,277.82	8	1,981.56		
1/4	1/4	1/4	1/4	1/4	1/4	3,616.74	1/4	3,363.92	1/4	3,111.10	1/4	2,858.22	1/4	2,567.86	1/4	2,271.65	1/4	1,975.39		
1/2	1/2	1/2	1/2	1/2	1/2	3,611.47	1/2	3,358.65	1/2	3,105.83	1/2	2,852.93	1/2	2,561.71	1/2	2,265.47	1/2	1,969.22		
3/4	3/4	3/4	3/4	3/4	3/4	3,606.20	3/4	3,353.38	3/4	3,100.56	3/4	2,847.64	3/4	2,555.56	3/4	2,259.30	3/4	1,963.05		
9	9	9	9	9	9	3,600.94	9	3,348.12	9	3,095.29	9	2,842.35	9	2,549.39	9	2,253.13	9	1,956.87		
1/4	1/4	1/4	1/4	1/4	1/4	3,595.67	1/4	3,342.85	1/4	3,090.03	1/4	2,837.06	1/4	2,543.21	1/4	2,246.96	1/4	1,950.70		
1/2	1/2	1/2	1/2	1/2	1/2	3,590.40	1/2	3,337.58	1/2	3,084.76	1/2	2,831.76	1/2	2,537.04	1/2	2,240.79	1/2	1,944.53		
3/4	3/4	3/4	3/4	3/4	3/4	3,585.13	3/4	3,332.31	3/4	3,079.49	3/4	2,826.47	3/4	2,530.87	3/4	2,234.61	3/4	1,938.36		
10	10	10	10	10	10	3,579.87	10	3,327.05	10	3,074.23	10	2,820.28	10	2,524.70	10	2,228.44	10	1,932.19		
1/4	1/4	1/4	1/4	1/4	1/4	3,574.60	1/4	3,321.78	1/4	3,068.96	1/4	2,814.08	1/4	2,518.53	1/4	2,222.27	1/4	1,926.01		
1/2	1/2	1/2	1/2	1/2	1/2	3,569.33	1/2	3,316.51	1/2	3,063.69	1/2	2,807.89	1/2	2,512.35	1/2	2,216.10	1/2	1,919.84		
3/4	3/4	3/4	3/4	3/4	3/4	3,564.07	3/4	3,311.25	3/4	3,058.42	3/4	2,801.69	3/4	2,506.18	3/4	2,209.93	3/4	1,913.67		
11	11	11	11	11	11	3,558.80	11	3,305.98	11	3,053.16	11	2,795.54	11	2,500.01	11	2,203.75	11	1,907.50		
1/4	1/4	1/4	1/4	1/4	1/4	3,776.17	1/4	3,553.53	1/4	3,300.71	1/4	3,047.89	1/4	2,789.39	1/4	2,493.84	1/4	2,197.58	1/4	1,901.33
1/2	1/2	1/2	1/2	1/2	1/2	3,775.65	1/2	3,548.26	1/2	3,295.44	1/2	3,042.62	1/2	2,783.23	1/2	2,487.67	1/2	2,191.41	1/2	1,895.15
3/4	3/4	3/4	3/4	3/4	3/4	3,775.13	3/4	3,543.00	3/4	3,290.18	3/4	3,037.36	3/4	2,777.08	3/4	2,481.49	3/4	2,185.24	3/4	1,888.98

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 ON CENTERLINE AND 32'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 10214"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	1,882.81	0	1,586.31	0	1,289.64	0	992.97	0	702.35	0	405.54	0	108.70	0		0		0	
1/4	1,876.64	1/4	1,580.13	1/4	1,283.46	1/4	986.79	1/4	696.19	1/4	399.35	1/4	102.54	1/4		1/4		1/4	
1/2	1,870.47	1/2	1,573.95	1/2	1,277.28	1/2	980.61	1/2	690.02	1/2	393.17	1/2	96.39	1/2		1/2		1/2	
3/4	1,864.29	3/4	1,567.77	3/4	1,271.10	3/4	974.43	3/4	683.85	3/4	386.98	3/4	90.23	3/4		3/4		3/4	
1	1,858.12	1	1,561.59	1	1,264.92	1	968.31	1	677.67	1	380.80	1	84.10	1		1		1	
1/4	1,851.95	1/4	1,555.41	1/4	1,258.74	1/4	962.20	1/4	671.49	1/4	374.61	1/4	77.98	1/4		1/4		1/4	
1/2	1,845.78	1/2	1,549.23	1/2	1,252.56	1/2	956.08	1/2	665.30	1/2	368.43	1/2	71.85	1/2		1/2		1/2	
3/4	1,839.61	3/4	1,543.05	3/4	1,246.38	3/4	949.96	3/4	659.12	3/4	362.24	3/4	65.73	3/4		3/4		3/4	
2	1,833.43	2	1,536.87	2	1,240.20	2	943.91	2	652.93	2	356.06	2	59.66	2		2		2	
1/4	1,827.26	1/4	1,530.69	1/4	1,234.02	1/4	937.85	1/4	646.75	1/4	349.88	1/4	53.59	1/4		1/4		1/4	
1/2	1,821.09	1/2	1,524.51	1/2	1,227.84	1/2	931.80	1/2	640.56	1/2	343.69	1/2	47.52	1/2		1/2		1/2	
3/4	1,814.92	3/4	1,518.32	3/4	1,221.66	3/4	925.74	3/4	634.38	3/4	337.51	3/4	41.45	3/4		3/4		3/4	
3	1,808.74	3	1,512.14	3	1,215.48	3	919.69	3	628.20	3	331.32	3	36.30	3		3		3	
1/4	1,802.56	1/4	1,505.96	1/4	1,209.29	1/4	913.63	1/4	622.01	1/4	325.14	1/4	31.15	1/4		1/4		1/4	
1/2	1,796.38	1/2	1,499.78	1/2	1,203.11	1/2	907.58	1/2	615.83	1/2	318.95	1/2	25.99	1/2		1/2		1/2	
3/4	1,790.20	3/4	1,493.60	3/4	1,196.93	3/4	901.53	3/4	609.64	3/4	312.77	3/4	20.84	3/4		3/4		3/4	
4	1,784.02	4	1,487.42	4	1,190.75	4	895.49	4	603.46	4	306.58	4	17.74	4		4		4	
1/4	1,777.84	1/4	1,481.24	1/4	1,184.57	1/4	889.45	1/4	597.27	1/4	300.40	1/4	14.64	1/4		1/4		1/4	
1/2	1,771.66	1/2	1,475.06	1/2	1,178.39	1/2	883.41	1/2	591.09	1/2	294.21	1/2	11.54	1/2		1/2		1/2	
3/4	1,765.47	3/4	1,468.88	3/4	1,172.21	3/4	877.38	3/4	584.90	3/4	288.03	3/4	8.44	3/4		3/4		3/4	
5	1,759.29	5	1,462.70	5	1,166.03	5	871.36	5	578.72	5	281.84	5	7.41	5		5		5	
1/4	1,753.11	1/4	1,456.52	1/4	1,159.85	1/4	865.33	1/4	572.53	1/4	275.66	1/4	6.38	1/4		1/4		1/4	
1/2	1,746.93	1/2	1,450.34	1/2	1,153.67	1/2	859.31	1/2	566.35	1/2	269.47	1/2	5.35	1/2		1/2		1/2	
3/4	1,740.75	3/4	1,444.16	3/4	1,147.49	3/4	853.29	3/4	560.16	3/4	263.29	3/4	4.31	3/4		3/4		3/4	
6	1,734.57	6	1,437.98	6	1,141.31	6	847.27	6	553.98	6	257.10	6		6		6		6	
1/4	1,728.40	1/4	1,431.80	1/4	1,135.13	1/4	841.25	1/4	547.79	1/4	250.92	1/4		1/4		1/4		1/4	
1/2	1,722.22	1/2	1,425.62	1/2	1,128.95	1/2	835.23	1/2	541.61	1/2	244.73	1/2		1/2		1/2		1/2	
3/4	1,716.04	3/4	1,419.43	3/4	1,122.77	3/4	829.20	3/4	535.42	3/4	238.55	3/4		3/4		3/4		3/4	
7	1,709.86	7	1,413.25	7	1,116.59	7	823.18	7	529.24	7	232.36	7		7		7		7	
1/4	1,703.68	1/4	1,407.07	1/4	1,110.40	1/4	817.16	1/4	523.05	1/4	226.18	1/4		1/4		1/4		1/4	
1/2	1,697.51	1/2	1,400.89	1/2	1,104.22	1/2	811.14	1/2	516.87	1/2	219.99	1/2		1/2		1/2		1/2	
3/4	1,691.33	3/4	1,394.71	3/4	1,098.04	3/4	805.12	3/4	510.68	3/4	213.81	3/4		3/4		3/4		3/4	
8	1,685.15	8	1,388.53	8	1,091.86	8	799.10	8	504.50	8	207.62	8		8		8		8	
1/4	1,678.97	1/4	1,382.35	1/4	1,085.68	1/4	793.08	1/4	498.31	1/4	201.44	1/4		1/4		1/4		1/4	
1/2	1,672.80	1/2	1,376.17	1/2	1,079.50	1/2	787.05	1/2	492.13	1/2	195.25	1/2		1/2		1/2		1/2	
3/4	1,666.62	3/4	1,369.99	3/4	1,073.32	3/4	781.03	3/4	485.94	3/4	189.07	3/4		3/4		3/4		3/4	
9	1,660.44	9	1,363.81	9	1,067.14	9	775.01	9	479.76	9	182.88	9		9		9		9	
1/4	1,654.26	1/4	1,357.63	1/4	1,060.96	1/4	768.99	1/4	473.57	1/4	176.70	1/4		1/4		1/4		1/4	
1/2	1,648.09	1/2	1,351.45	1/2	1,054.78	1/2	762.97	1/2	467.39	1/2	170.52	1/2		1/2		1/2		1/2	
3/4	1,641.91	3/4	1,345.27	3/4	1,048.60	3/4	756.95	3/4	461.20	3/4	164.33	3/4		3/4		3/4		3/4	
10	1,635.73	10	1,339.09	10	1,042.42	10	750.93	10	455.02	10	158.14	10		10		10		10	
1/4	1,629.56	1/4	1,332.91	1/4	1,036.24	1/4	744.90	1/4	448.83	1/4	151.95	1/4		1/4		1/4		1/4	
1/2	1,623.38	1/2	1,326.73	1/2	1,030.06	1/2	738.88	1/2	442.65	1/2	145.76	1/2		1/2		1/2		1/2	
3/4	1,617.20	3/4	1,320.55	3/4	1,023.88	3/4	732.86	3/4	436.46	3/4	139.57	3/4		3/4		3/4		3/4	
11	1,611.02	11	1,314.36	11	1,017.70	11	726.78	11	430.28	11	133.39	11		11		11		11	
1/4	1,604.85	1/4	1,308.18	1/4	1,011.52	1/4	720.69	1/4	424.09	1/4	127.21	1/4		1/4		1/4		1/4	
1/2	1,598.67	1/2	1,302.00	1/2	1,005.33	1/2	714.60	1/2	417.91	1/2	121.04	1/2		1/2		1/2		1/2	
3/4	1,592.49	3/4	1,295.82	3/4	999.15	3/4	708.52	3/4	411.72	3/4	114.86	3/4		3/4		3/4		3/4	

STRAPPED: 08/10/2010 CL - SW
CALCULATED: 08/10/2010 CL
PRINTED: 08/10/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2010

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 10214"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0	0	0	0	0	0	0	3,484.24	0	3,240.12	0	2,978.07	0	2,716.02	0	2,453.45	0	2,190.00	0	1,926.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,482.41	1/4	3,234.66	1/4	2,972.61	1/4	2,710.56	1/4	2,447.96	1/4	2,184.51	1/4	1,921.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,480.58	1/2	3,229.20	1/2	2,967.15	1/2	2,705.10	1/2	2,442.47	1/2	2,179.03	1/2	1,915.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,476.92	3/4	3,223.74	3/4	2,961.69	3/4	2,699.64	3/4	2,436.98	3/4	2,173.54	3/4	1,910.09		
1	1	1	1	1	1	1	3,473.26	1	3,218.28	1	2,956.23	1	2,694.18	1	2,431.49	1	2,168.05	1	1,904.61		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,469.60	1/4	3,212.83	1/4	2,950.77	1/4	2,688.72	1/4	2,426.00	1/4	2,162.56	1/4	1,899.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,465.93	1/2	3,207.37	1/2	2,945.31	1/2	2,683.26	1/2	2,420.52	1/2	2,157.07	1/2	1,893.63		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,460.83	3/4	3,201.91	3/4	2,939.85	3/4	2,677.80	3/4	2,415.03	3/4	2,151.58	3/4	1,888.14		
2	2	2	2	2	2	2	3,455.72	2	3,196.45	2	2,934.40	2	2,672.34	2	2,409.54	2	2,146.10	2	1,882.65		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,450.62	1/4	3,190.99	1/4	2,928.94	1/4	2,666.88	1/4	2,404.05	1/4	2,140.61	1/4	1,877.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,445.51	1/2	3,185.53	1/2	2,923.48	1/2	2,661.43	1/2	2,398.56	1/2	2,135.12	1/2	1,871.68		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,440.17	3/4	3,180.07	3/4	2,918.02	3/4	2,655.97	3/4	2,393.07	3/4	2,129.63	3/4	1,866.19		
3	3	3	3	3	3	3	3,434.84	3	3,174.61	3	2,912.56	3	2,650.51	3	2,387.59	3	2,124.14	3	1,860.70		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,429.50	1/4	3,169.15	1/4	2,907.10	1/4	2,645.05	1/4	2,382.10	1/4	2,118.65	1/4	1,855.21		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,424.16	1/2	3,163.69	1/2	2,901.64	1/2	2,639.59	1/2	2,376.61	1/2	2,113.17	1/2	1,849.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,418.80	3/4	3,158.23	3/4	2,896.18	3/4	2,634.13	3/4	2,371.12	3/4	2,107.68	3/4	1,844.23		
4	4	4	4	4	4	4	3,413.44	4	3,152.77	4	2,890.72	4	2,628.67	4	2,365.63	4	2,102.19	4	1,838.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,408.08	1/4	3,147.31	1/4	2,885.26	1/4	2,623.21	1/4	2,360.14	1/4	2,096.70	1/4	1,833.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,402.73	1/2	3,141.85	1/2	2,879.80	1/2	2,617.75	1/2	2,354.66	1/2	2,091.21	1/2	1,827.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,397.36	3/4	3,136.39	3/4	2,874.34	3/4	2,612.29	3/4	2,349.17	3/4	2,085.72	3/4	1,822.28		
5	5	5	5	5	5	5	3,392.00	5	3,130.93	5	2,868.88	5	2,606.83	5	2,343.68	5	2,080.24	5	1,816.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,386.64	1/4	3,125.47	1/4	2,863.42	1/4	2,601.37	1/4	2,338.19	1/4	2,074.75	1/4	1,811.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,381.27	1/2	3,120.02	1/2	2,857.96	1/2	2,595.91	1/2	2,332.70	1/2	2,069.26	1/2	1,805.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,375.91	3/4	3,114.56	3/4	2,852.50	3/4	2,590.45	3/4	2,327.21	3/4	2,063.77	3/4	1,800.33		
6	6	6	6	6	6	6	3,370.55	6	3,109.10	6	2,847.05	6	2,584.99	6	2,321.72	6	2,058.28	6	1,794.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,365.19	1/4	3,103.64	1/4	2,841.59	1/4	2,579.53	1/4	2,316.24	1/4	2,052.79	1/4	1,789.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,359.83	1/2	3,098.18	1/2	2,836.13	1/2	2,574.08	1/2	2,310.75	1/2	2,047.30	1/2	1,783.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,354.47	3/4	3,092.72	3/4	2,830.67	3/4	2,568.62	3/4	2,305.26	3/4	2,041.82	3/4	1,778.37		
7	7	7	7	7	7	7	3,349.11	7	3,087.26	7	2,825.21	7	2,563.16	7	2,299.77	7	2,036.33	7	1,772.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,343.75	1/4	3,081.80	1/4	2,819.75	1/4	2,557.70	1/4	2,294.28	1/4	2,030.84	1/4	1,767.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,338.39	1/2	3,076.34	1/2	2,814.29	1/2	2,552.24	1/2	2,288.79	1/2	2,025.35	1/2	1,761.91		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,332.93	3/4	3,070.88	3/4	2,808.83	3/4	2,546.75	3/4	2,283.31	3/4	2,019.86	3/4	1,756.42		
8	8	8	8	8	8	8	3,327.47	8	3,065.42	8	2,803.37	8	2,541.26	8	2,277.82	8	2,014.37	8	1,750.93		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,322.01	1/4	3,059.96	1/4	2,797.91	1/4	2,535.77	1/4	2,272.33	1/4	2,008.89	1/4	1,745.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,316.55	1/2	3,054.50	1/2	2,792.45	1/2	2,530.28	1/2	2,266.84	1/2	2,003.40	1/2	1,739.95		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,311.09	3/4	3,049.04	3/4	2,786.99	3/4	2,524.80	3/4	2,261.35	3/4	1,997.91	3/4	1,734.47		
9	9	9	9	9	9	9	3,305.63	9	3,043.58	9	2,781.53	9	2,519.31	9	2,255.86	9	1,992.42	9	1,728.98		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,300.18	1/4	3,038.12	1/4	2,776.07	1/4	2,513.82	1/4	2,250.38	1/4	1,986.93	1/4	1,723.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,294.72	1/2	3,032.66	1/2	2,770.61	1/2	2,508.33	1/2	2,244.89	1/2	1,981.44	1/2	1,718.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,289.26	3/4	3,027.21	3/4	2,765.15	3/4	2,502.84	3/4	2,239.40	3/4	1,975.96	3/4	1,712.51		
10	10	10	10	10	10	10	3,283.80	10	3,021.75	10	2,759.69	10	2,497.35	10	2,233.91	10	1,970.47	10	1,707.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,278.34	1/4	3,016.29	1/4	2,754.24	1/4	2,491.87	1/4	2,228.42	1/4	1,964.98	1/4	1,701.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,272.88	1/2	3,010.83	1/2	2,748.78	1/2	2,486.38	1/2	2,222.93	1/2	1,959.49	1/2	1,696.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,267.42	3/4	3,005.37	3/4	2,743.32	3/4	2,480.89	3/4	2,217.45	3/4	1,954.00	3/4	1,690.56		
11	11	11	11	11	11	11	3,488.82	11	3,261.96	11	2,999.91	11	2,737.86	11	2,475.40	11	2,211.96	11	1,948.51	11	1,685.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,488.36	1/4	3,256.50	1/4	2,994.45	1/4	2,732.40	1/4	2,469.91	1/4	2,206.47	1/4	1,943.03	1/4	1,679.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,487.90	1/2	3,251.04	1/2	2,988.99	1/2	2,726.94	1/2	2,464.42	1/2	2,200.98	1/2	1,937.54	1/2	1,674.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,486.07	3/4	3,245.58	3/4	2,983.53	3/4	2,721.48	3/4	2,458.93	3/4	2,195.49	3/4	1,932.05	3/4	1,668.61

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 ON CENTERLINE AND 28'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 10214"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,663.12	0	1,399.67	0	1,136.05	0	874.46	0	614.76	0	351.17	0	87.73	0		0		0	
1/4	1,657.63	1/4	1,394.17	1/4	1,130.55	1/4	869.06	1/4	609.27	1/4	345.68	1/4	82.28	1/4		1/4		1/4	
1/2	1,652.14	1/2	1,388.68	1/2	1,125.06	1/2	863.65	1/2	603.78	1/2	340.19	1/2	76.82	1/2		1/2		1/2	
3/4	1,646.65	3/4	1,383.19	3/4	1,119.57	3/4	858.24	3/4	598.29	3/4	334.69	3/4	71.39	3/4		3/4		3/4	
1	1,641.16	1	1,377.70	1	1,114.08	1	852.84	1	592.80	1	329.20	1	65.96	1		1		1	
1/4	1,635.67	1/4	1,372.21	1/4	1,108.58	1/4	847.43	1/4	587.31	1/4	323.71	1/4	60.53	1/4		1/4		1/4	
1/2	1,630.19	1/2	1,366.71	1/2	1,103.09	1/2	842.02	1/2	581.82	1/2	318.22	1/2	55.11	1/2		1/2		1/2	
3/4	1,624.70	3/4	1,361.22	3/4	1,097.60	3/4	836.61	3/4	576.32	3/4	312.73	3/4	49.73	3/4		3/4		3/4	
2	1,619.21	2	1,355.73	2	1,092.11	2	831.21	2	570.83	2	307.24	2	44.35	2		2		2	
1/4	1,613.72	1/4	1,350.24	1/4	1,086.62	1/4	825.80	1/4	565.34	1/4	301.74	1/4	38.97	1/4		1/4		1/4	
1/2	1,608.23	1/2	1,344.75	1/2	1,081.12	1/2	820.39	1/2	559.85	1/2	296.25	1/2	33.59	1/2		1/2		1/2	
3/4	1,602.74	3/4	1,339.25	3/4	1,075.63	3/4	814.99	3/4	554.36	3/4	290.76	3/4	29.03	3/4		3/4		3/4	
3	1,597.26	3	1,333.76	3	1,070.14	3	809.59	3	548.87	3	285.27	3	24.46	3		3		3	
1/4	1,591.77	1/4	1,328.27	1/4	1,064.65	1/4	804.19	1/4	543.37	1/4	279.78	1/4	19.89	1/4		1/4		1/4	
1/2	1,586.28	1/2	1,322.78	1/2	1,059.16	1/2	798.78	1/2	537.88	1/2	274.29	1/2	15.32	1/2		1/2		1/2	
3/4	1,580.79	3/4	1,317.28	3/4	1,053.66	3/4	793.38	3/4	532.39	3/4	268.79	3/4	12.58	3/4		3/4		3/4	
4	1,575.30	4	1,311.79	4	1,048.17	4	787.98	4	526.90	4	263.30	4	9.83	4		4		4	
1/4	1,569.81	1/4	1,306.30	1/4	1,042.68	1/4	782.58	1/4	521.41	1/4	257.81	1/4	7.08	1/4		1/4		1/4	
1/2	1,564.33	1/2	1,300.81	1/2	1,037.19	1/2	777.18	1/2	515.92	1/2	252.32	1/2	4.34	1/2		1/2		1/2	
3/4	1,558.84	3/4	1,295.32	3/4	1,031.70	3/4	771.78	3/4	510.42	3/4	246.83	3/4	3.42	3/4		3/4		3/4	
5	1,553.35	5	1,289.82	5	1,026.20	5	766.37	5	504.93	5	241.34	5	2.51	5		5		5	
1/4	1,547.86	1/4	1,284.33	1/4	1,020.71	1/4	760.97	1/4	499.44	1/4	235.84	1/4	1.59	1/4		1/4		1/4	
1/2	1,542.37	1/2	1,278.84	1/2	1,015.22	1/2	755.57	1/2	493.95	1/2	230.35	1/2	0.68	1/2		1/2		1/2	
3/4	1,536.88	3/4	1,273.35	3/4	1,009.77	3/4	750.17	3/4	488.46	3/4	224.86	3/4		3/4		3/4		3/4	
6	1,531.40	6	1,267.86	6	1,004.32	6	744.77	6	482.97	6	219.37	6		6		6		6	
1/4	1,525.91	1/4	1,262.36	1/4	998.87	1/4	739.36	1/4	477.48	1/4	213.88	1/4		1/4		1/4		1/4	
1/2	1,520.42	1/2	1,256.87	1/2	993.42	1/2	733.96	1/2	471.98	1/2	208.39	1/2		1/2		1/2		1/2	
3/4	1,514.93	3/4	1,251.38	3/4	988.02	3/4	728.56	3/4	466.49	3/4	202.90	3/4		3/4		3/4		3/4	
7	1,509.44	7	1,245.89	7	982.61	7	723.16	7	461.00	7	197.40	7		7		7		7	
1/4	1,503.95	1/4	1,240.40	1/4	977.20	1/4	717.76	1/4	455.51	1/4	191.91	1/4		1/4		1/4		1/4	
1/2	1,498.46	1/2	1,234.90	1/2	971.79	1/2	712.36	1/2	450.02	1/2	186.42	1/2		1/2		1/2		1/2	
3/4	1,492.98	3/4	1,229.41	3/4	966.39	3/4	706.95	3/4	444.53	3/4	180.93	3/4		3/4		3/4		3/4	
8	1,487.49	8	1,223.92	8	960.98	8	701.55	8	439.03	8	175.44	8		8		8		8	
1/4	1,482.00	1/4	1,218.43	1/4	955.57	1/4	696.15	1/4	433.54	1/4	169.95	1/4		1/4		1/4		1/4	
1/2	1,476.51	1/2	1,212.93	1/2	950.16	1/2	690.75	1/2	428.05	1/2	164.45	1/2		1/2		1/2		1/2	
3/4	1,471.02	3/4	1,207.44	3/4	944.76	3/4	685.35	3/4	422.56	3/4	158.96	3/4		3/4		3/4		3/4	
9	1,465.53	9	1,201.95	9	939.35	9	679.95	9	417.07	9	153.47	9		9		9		9	
1/4	1,460.05	1/4	1,196.46	1/4	933.94	1/4	674.54	1/4	411.58	1/4	147.98	1/4		1/4		1/4		1/4	
1/2	1,454.56	1/2	1,190.97	1/2	928.54	1/2	669.14	1/2	406.08	1/2	142.49	1/2		1/2		1/2		1/2	
3/4	1,449.07	3/4	1,185.47	3/4	923.13	3/4	663.74	3/4	400.59	3/4	137.00	3/4		3/4		3/4		3/4	
10	1,443.58	10	1,179.98	10	917.72	10	658.34	10	395.10	10	131.52	10		10		10		10	
1/4	1,438.09	1/4	1,174.49	1/4	912.31	1/4	652.94	1/4	389.61	1/4	126.03	1/4		1/4		1/4		1/4	
1/2	1,432.60	1/2	1,169.00	1/2	906.91	1/2	647.54	1/2	384.12	1/2	120.55	1/2		1/2		1/2		1/2	
3/4	1,427.12	3/4	1,163.51	3/4	901.50	3/4	642.09	3/4	378.63	3/4	115.07	3/4		3/4		3/4		3/4	
11	1,421.63	11	1,158.01	11	896.09	11	636.64	11	373.13	11	109.60	11		11		11		11	
1/4	1,416.14	1/4	1,152.52	1/4	890.69	1/4	631.19	1/4	367.64	1/4	104.12	1/4		1/4		1/4		1/4	
1/2	1,410.65	1/2	1,147.03	1/2	885.28	1/2	625.75	1/2	362.15	1/2	98.65	1/2		1/2		1/2		1/2	
3/4	1,405.16	3/4	1,141.54	3/4	879.87	3/4	620.25	3/4	356.66	3/4	93.19	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/10/2010 CL - SW
CALCULATED: 08/10/2010 CL
PRINTED: 08/10/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2010

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



BARGE "KIRBY 10214"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	3,459.45	0	3,209.95	0	2,949.82	0	2,689.69	0	2,428.97	0	2,167.44	0	1,905.92		
1/4		1/4		1/4		1/4	3,455.81	1/4	3,204.53	1/4	2,944.40	1/4	2,684.27	1/4	2,423.52	1/4	2,162.00	1/4	1,900.47		
1/2		1/2		1/2		1/2	3,452.18	1/2	3,199.11	1/2	2,938.98	1/2	2,678.85	1/2	2,418.07	1/2	2,156.55	1/2	1,895.02		
3/4		3/4		3/4		3/4	3,448.54	3/4	3,193.69	3/4	2,933.56	3/4	2,673.43	3/4	2,412.63	3/4	2,151.10	3/4	1,889.57		
1		1		1		1	3,444.91	1	3,188.27	1	2,928.14	1	2,668.01	1	2,407.18	1	2,145.65	1	1,884.12		
1/4		1/4		1/4		1/4	3,439.84	1/4	3,182.85	1/4	2,922.72	1/4	2,662.59	1/4	2,401.73	1/4	2,140.20	1/4	1,878.67		
1/2		1/2		1/2		1/2	3,434.78	1/2	3,177.43	1/2	2,917.30	1/2	2,657.17	1/2	2,396.28	1/2	2,134.75	1/2	1,873.22		
3/4		3/4		3/4		3/4	3,429.71	3/4	3,172.01	3/4	2,911.88	3/4	2,651.75	3/4	2,390.83	3/4	2,129.30	3/4	1,867.78		
2		2		2		2	3,424.64	2	3,166.59	2	2,906.46	2	2,646.33	2	2,385.38	2	2,123.86	2	1,862.33		
1/4		1/4		1/4		1/4	3,419.34	1/4	3,161.17	1/4	2,901.04	1/4	2,640.91	1/4	2,379.94	1/4	2,118.41	1/4	1,856.88		
1/2		1/2		1/2		1/2	3,414.04	1/2	3,155.75	1/2	2,895.62	1/2	2,635.49	1/2	2,374.49	1/2	2,112.96	1/2	1,851.43		
3/4		3/4		3/4		3/4	3,408.74	3/4	3,150.33	3/4	2,890.20	3/4	2,630.07	3/4	2,369.04	3/4	2,107.51	3/4	1,845.98		
3		3		3		3	3,403.44	3	3,144.91	3	2,884.78	3	2,624.65	3	2,363.59	3	2,102.06	3	1,840.53		
1/4		1/4		1/4		1/4	3,398.13	1/4	3,139.50	1/4	2,879.36	1/4	2,619.23	1/4	2,358.14	1/4	2,096.61	1/4	1,835.09		
1/2		1/2		1/2		1/2	3,392.81	1/2	3,134.08	1/2	2,873.94	1/2	2,613.81	1/2	2,352.69	1/2	2,091.16	1/2	1,829.64		
3/4		3/4		3/4		3/4	3,387.50	3/4	3,128.66	3/4	2,868.53	3/4	2,608.39	3/4	2,347.24	3/4	2,085.72	3/4	1,824.19		
4		4		4		4	3,382.18	4	3,123.24	4	2,863.11	4	2,602.97	4	2,341.80	4	2,080.27	4	1,818.74		
1/4		1/4		1/4		1/4	3,376.86	1/4	3,117.82	1/4	2,857.69	1/4	2,597.56	1/4	2,336.35	1/4	2,074.82	1/4	1,813.29		
1/2		1/2		1/2		1/2	3,371.54	1/2	3,112.40	1/2	2,852.27	1/2	2,592.14	1/2	2,330.90	1/2	2,069.37	1/2	1,807.84		
3/4		3/4		3/4		3/4	3,366.21	3/4	3,106.98	3/4	2,846.85	3/4	2,586.72	3/4	2,325.45	3/4	2,063.92	3/4	1,802.39		
5		5		5		5	3,360.89	5	3,101.56	5	2,841.43	5	2,581.30	5	2,320.00	5	2,058.47	5	1,796.95		
1/4		1/4		1/4		1/4	3,355.57	1/4	3,096.14	1/4	2,836.01	1/4	2,575.88	1/4	2,314.55	1/4	2,053.03	1/4	1,791.50		
1/2		1/2		1/2		1/2	3,350.25	1/2	3,090.72	1/2	2,830.59	1/2	2,570.46	1/2	2,309.10	1/2	2,047.58	1/2	1,786.05		
3/4		3/4		3/4		3/4	3,344.93	3/4	3,085.30	3/4	2,825.17	3/4	2,565.04	3/4	2,303.66	3/4	2,042.13	3/4	1,780.60		
6		6		6		6	3,339.61	6	3,079.88	6	2,819.75	6	2,559.62	6	2,298.21	6	2,036.68	6	1,775.15		
1/4		1/4		1/4		1/4	3,334.29	1/4	3,074.46	1/4	2,814.33	1/4	2,554.20	1/4	2,292.76	1/4	2,031.23	1/4	1,769.70		
1/2		1/2		1/2		1/2	3,328.97	1/2	3,069.04	1/2	2,808.91	1/2	2,548.78	1/2	2,287.31	1/2	2,025.78	1/2	1,764.25		
3/4		3/4		3/4		3/4	3,323.65	3/4	3,063.62	3/4	2,803.49	3/4	2,543.36	3/4	2,281.86	3/4	2,020.33	3/4	1,758.81		
7		7		7		7	3,318.34	7	3,058.20	7	2,798.07	7	2,537.94	7	2,276.41	7	2,014.89	7	1,753.36		
1/4		1/4		1/4		1/4	3,312.92	1/4	3,052.78	1/4	2,792.65	1/4	2,532.49	1/4	2,270.97	1/4	2,009.44	1/4	1,747.91		
1/2		1/2		1/2		1/2	3,307.50	1/2	3,047.37	1/2	2,787.23	1/2	2,527.04	1/2	2,265.52	1/2	2,003.99	1/2	1,742.46		
3/4		3/4		3/4		3/4	3,302.08	3/4	3,041.95	3/4	2,781.81	3/4	2,521.60	3/4	2,260.07	3/4	1,998.54	3/4	1,737.01		
8		8		8		8	3,296.66	8	3,036.53	8	2,776.40	8	2,516.15	8	2,254.62	8	1,993.09	8	1,731.56		
1/4		1/4		1/4		1/4	3,291.24	1/4	3,031.11	1/4	2,770.98	1/4	2,510.70	1/4	2,249.17	1/4	1,987.64	1/4	1,726.12		
1/2		1/2		1/2		1/2	3,285.82	1/2	3,025.69	1/2	2,765.56	1/2	2,505.25	1/2	2,243.72	1/2	1,982.19	1/2	1,720.67		
3/4		3/4		3/4		3/4	3,280.40	3/4	3,020.27	3/4	2,760.14	3/4	2,499.80	3/4	2,238.27	3/4	1,976.75	3/4	1,715.22		
9		9		9		9	3,274.98	9	3,014.85	9	2,754.72	9	2,494.35	9	2,232.83	9	1,971.30	9	1,709.77		
1/4		1/4		1/4		1/4	3,269.56	1/4	3,009.43	1/4	2,749.30	1/4	2,488.91	1/4	2,227.38	1/4	1,965.85	1/4	1,704.32		
1/2		1/2		1/2		1/2	3,264.14	1/2	3,004.01	1/2	2,743.88	1/2	2,483.46	1/2	2,221.93	1/2	1,960.40	1/2	1,698.87		
3/4		3/4		3/4		3/4	3,258.72	3/4	2,998.59	3/4	2,738.46	3/4	2,478.01	3/4	2,216.48	3/4	1,954.95	3/4	1,693.42		
10		10		10		10	3,253.30	10	2,993.17	10	2,733.04	10	2,472.56	10	2,211.03	10	1,949.50	10	1,687.98		
1/4		1/4		1/4		1/4	3,247.88	1/4	2,987.75	1/4	2,727.62	1/4	2,467.11	1/4	2,205.58	1/4	1,944.06	1/4	1,682.53		
1/2		1/2		1/2		1/2	3,467.63	1/2	3,242.46	1/2	2,982.33	1/2	2,722.20	1/2	2,461.66	1/2	2,200.13	1/2	1,938.61	1/2	1,677.08
3/4		3/4		3/4		3/4	3,467.17	3/4	3,237.04	3/4	2,976.91	3/4	2,716.78	3/4	2,456.21	3/4	2,194.69	3/4	1,933.16	3/4	1,671.63
11		11		11		11	3,466.72	11	3,231.63	11	2,971.49	11	2,711.36	11	2,450.77	11	2,189.24	11	1,927.71	11	1,666.18
1/4		1/4		1/4		1/4	3,464.90	1/4	3,226.21	1/4	2,966.07	1/4	2,705.94	1/4	2,445.32	1/4	2,183.79	1/4	1,922.26	1/4	1,660.73
1/2		1/2		1/2		1/2	3,463.08	1/2	3,220.79	1/2	2,960.66	1/2	2,700.52	1/2	2,439.87	1/2	2,178.34	1/2	1,916.81	1/2	1,655.28
3/4		3/4		3/4		3/4	3,461.26	3/4	3,215.37	3/4	2,955.24	3/4	2,695.10	3/4	2,434.42	3/4	2,172.89	3/4	1,911.36	3/4	1,649.84

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 ON CENTERLINE AND 27'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 10214"

3 CENTER 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	1,644.39	0	1,382.85	0	1,121.14	0	860.47	0	599.39	0	337.71	0	76.27	0		0			
1/4	1,638.94	1/4	1,377.39	1/4	1,115.69	1/4	855.05	1/4	593.94	1/4	332.26	1/4	70.88	1/4		1/4			1/4
1/2	1,633.49	1/2	1,371.94	1/2	1,110.24	1/2	849.64	1/2	588.49	1/2	326.81	1/2	65.49	1/2		1/2			1/2
3/4	1,628.04	3/4	1,366.49	3/4	1,104.79	3/4	844.22	3/4	583.04	3/4	321.36	3/4	60.10	3/4		3/4			3/4
1	1,622.59	1	1,361.04	1	1,099.34	1	838.81	1	577.58	1	315.91	1	54.71	1		1			1
1/4	1,617.15	1/4	1,355.58	1/4	1,093.88	1/4	833.39	1/4	572.13	1/4	310.46	1/4	49.37	1/4		1/4			1/4
1/2	1,611.70	1/2	1,350.13	1/2	1,088.43	1/2	827.98	1/2	566.68	1/2	305.00	1/2	44.03	1/2		1/2			1/2
3/4	1,606.25	3/4	1,344.68	3/4	1,082.98	3/4	822.56	3/4	561.23	3/4	299.55	3/4	38.69	3/4		3/4			3/4
2	1,600.80	2	1,339.23	2	1,077.53	2	817.14	2	555.78	2	294.10	2	33.36	2		2			2
1/4	1,595.35	1/4	1,333.78	1/4	1,072.08	1/4	811.73	1/4	550.33	1/4	288.65	1/4	28.82	1/4		1/4			1/4
1/2	1,589.90	1/2	1,328.32	1/2	1,066.62	1/2	806.32	1/2	544.87	1/2	283.20	1/2	24.29	1/2		1/2			1/2
3/4	1,584.45	3/4	1,322.87	3/4	1,061.17	3/4	800.91	3/4	539.42	3/4	277.75	3/4	19.75	3/4		3/4			3/4
3	1,579.01	3	1,317.42	3	1,055.72	3	795.50	3	533.97	3	272.29	3	15.22	3		3			3
1/4	1,573.56	1/4	1,311.97	1/4	1,050.27	1/4	790.06	1/4	528.52	1/4	266.84	1/4	12.49	1/4		1/4			1/4
1/2	1,568.11	1/2	1,306.52	1/2	1,044.82	1/2	784.61	1/2	523.07	1/2	261.39	1/2	9.76	1/2		1/2			1/2
3/4	1,562.66	3/4	1,301.06	3/4	1,039.36	3/4	779.16	3/4	517.62	3/4	255.94	3/4	7.04	3/4		3/4			3/4
4	1,557.21	4	1,295.61	4	1,033.91	4	773.72	4	512.16	4	250.49	4	4.31	4		4			4
1/4	1,551.76	1/4	1,290.16	1/4	1,028.46	1/4	768.27	1/4	506.71	1/4	245.04	1/4	3.40	1/4		1/4			1/4
1/2	1,546.31	1/2	1,284.71	1/2	1,023.01	1/2	762.82	1/2	501.26	1/2	239.58	1/2	2.50	1/2		1/2			1/2
3/4	1,540.87	3/4	1,279.26	3/4	1,017.55	3/4	757.38	3/4	495.81	3/4	234.13	3/4	1.59	3/4		3/4			3/4
5	1,535.42	5	1,273.80	5	1,012.10	5	751.93	5	490.36	5	228.68	5	0.68	5		5			5
1/4	1,529.97	1/4	1,268.35	1/4	1,006.69	1/4	746.48	1/4	484.91	1/4	223.23	1/4		1/4		1/4			1/4
1/2	1,524.52	1/2	1,262.90	1/2	1,001.27	1/2	741.04	1/2	479.45	1/2	217.78	1/2		1/2		1/2			1/2
3/4	1,519.07	3/4	1,257.45	3/4	995.86	3/4	735.59	3/4	474.00	3/4	212.33	3/4		3/4		3/4			3/4
6	1,513.62	6	1,252.00	6	990.44	6	730.14	6	468.55	6	206.87	6		6		6			6
1/4	1,508.18	1/4	1,246.54	1/4	985.03	1/4	724.70	1/4	463.10	1/4	201.42	1/4		1/4		1/4			1/4
1/2	1,502.73	1/2	1,241.09	1/2	979.61	1/2	719.25	1/2	457.65	1/2	195.97	1/2		1/2		1/2			1/2
3/4	1,497.28	3/4	1,235.64	3/4	974.19	3/4	713.80	3/4	452.20	3/4	190.52	3/4		3/4		3/4			3/4
7	1,491.83	7	1,230.19	7	968.78	7	708.36	7	446.75	7	185.07	7		7		7			7
1/4	1,486.38	1/4	1,224.73	1/4	963.36	1/4	702.91	1/4	441.29	1/4	179.62	1/4		1/4		1/4			1/4
1/2	1,480.93	1/2	1,219.28	1/2	957.95	1/2	697.46	1/2	435.84	1/2	174.17	1/2		1/2		1/2			1/2
3/4	1,475.48	3/4	1,213.83	3/4	952.53	3/4	692.02	3/4	430.39	3/4	168.71	3/4		3/4		3/4			3/4
8	1,470.04	8	1,208.38	8	947.12	8	686.57	8	424.94	8	163.26	8		8		8			8
1/4	1,464.59	1/4	1,202.93	1/4	941.70	1/4	681.12	1/4	419.49	1/4	157.81	1/4		1/4		1/4			1/4
1/2	1,459.14	1/2	1,197.47	1/2	936.29	1/2	675.68	1/2	414.04	1/2	152.36	1/2		1/2		1/2			1/2
3/4	1,453.69	3/4	1,192.02	3/4	930.87	3/4	670.23	3/4	408.58	3/4	146.91	3/4		3/4		3/4			3/4
9	1,448.24	9	1,186.57	9	925.45	9	664.78	9	403.13	9	141.46	9		9		9			9
1/4	1,442.79	1/4	1,181.12	1/4	920.04	1/4	659.34	1/4	397.68	1/4	136.01	1/4		1/4		1/4			1/4
1/2	1,437.34	1/2	1,175.67	1/2	914.62	1/2	653.89	1/2	392.23	1/2	130.57	1/2		1/2		1/2			1/2
3/4	1,431.90	3/4	1,170.21	3/4	909.21	3/4	648.45	3/4	386.78	3/4	125.12	3/4		3/4		3/4			3/4
10	1,426.45	10	1,164.76	10	903.79	10	643.00	10	381.33	10	119.67	10		10		10			10
1/4	1,421.00	1/4	1,159.31	1/4	898.38	1/4	637.55	1/4	375.87	1/4	114.24	1/4		1/4		1/4			1/4
1/2	1,415.55	1/2	1,153.86	1/2	892.96	1/2	632.10	1/2	370.42	1/2	108.80	1/2		1/2		1/2			1/2
3/4	1,410.10	3/4	1,148.41	3/4	887.55	3/4	626.65	3/4	364.97	3/4	103.37	3/4		3/4		3/4			3/4
11	1,404.65	11	1,142.95	11	882.13	11	621.20	11	359.52	11	97.93	11		11		11			11
1/4	1,399.20	1/4	1,137.50	1/4	876.72	1/4	615.74	1/4	354.07	1/4	92.52	1/4		1/4		1/4			1/4
1/2	1,393.75	1/2	1,132.05	1/2	871.30	1/2	610.29	1/2	348.62	1/2	87.10	1/2		1/2		1/2			1/2
3/4	1,388.30	3/4	1,126.60	3/4	865.88	3/4	604.84	3/4	343.16	3/4	81.68	3/4		3/4		3/4			3/4

STRAPPED: 08/10/2010 CL - SW
CALCULATED: 08/10/2010 CL
PRINTED: 08/10/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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