



BARGE "KIRBY 10216"

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	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8
2 CENTER	00-1/8	- 00-1/8	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
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 163'-06"

August 23, 2010

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

<http://www.pmacorp.net>



BARGE "KIRBY 10216"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	3,779.10	0	3,540.04	0	3,286.68	0	3,033.32	0	2,770.71	0	2,474.46	0	2,177.56
1/4		1/4		1/4		1/4	3,777.03	1/4	3,534.77	1/4	3,281.40	1/4	3,028.04	1/4	2,764.54	1/4	2,468.27	1/4	2,171.38
1/2		1/2		1/2		1/2	3,774.96	1/2	3,529.49	1/2	3,276.12	1/2	3,022.76	1/2	2,758.37	1/2	2,462.08	1/2	2,165.19
3/4		3/4		3/4		3/4	3,770.81	3/4	3,524.21	3/4	3,270.85	3/4	3,017.48	3/4	2,752.21	3/4	2,455.90	3/4	2,159.01
1		1		1		1	3,766.67	1	3,518.93	1	3,265.57	1	3,012.20	1	2,746.04	1	2,449.71	1	2,152.82
1/4		1/4		1/4		1/4	3,762.53	1/4	3,513.65	1/4	3,260.29	1/4	3,006.93	1/4	2,739.88	1/4	2,443.53	1/4	2,146.63
1/2		1/2		1/2		1/2	3,758.39	1/2	3,508.37	1/2	3,255.01	1/2	3,001.65	1/2	2,733.71	1/2	2,437.34	1/2	2,140.45
3/4		3/4		3/4		3/4	3,753.49	3/4	3,503.10	3/4	3,249.73	3/4	2,996.37	3/4	2,727.54	3/4	2,431.16	3/4	2,134.26
2		2		2		2	3,748.59	2	3,497.82	2	3,244.45	2	2,991.09	2	2,721.38	2	2,424.97	2	2,128.08
1/4		1/4		1/4		1/4	3,743.69	1/4	3,492.54	1/4	3,239.17	1/4	2,985.81	1/4	2,715.21	1/4	2,418.79	1/4	2,121.89
1/2		1/2		1/2		1/2	3,738.79	1/2	3,487.26	1/2	3,233.90	1/2	2,980.53	1/2	2,709.04	1/2	2,412.60	1/2	2,115.71
3/4		3/4		3/4		3/4	3,733.62	3/4	3,481.98	3/4	3,228.62	3/4	2,975.25	3/4	2,702.88	3/4	2,406.42	3/4	2,109.52
3		3		3		3	3,728.46	3	3,476.70	3	3,223.34	3	2,969.98	3	2,696.71	3	2,400.23	3	2,103.34
1/4		1/4		1/4		1/4	3,723.29	1/4	3,471.42	1/4	3,218.06	1/4	2,964.70	1/4	2,690.54	1/4	2,394.05	1/4	2,097.15
1/2		1/2		1/2		1/2	3,718.13	1/2	3,466.15	1/2	3,212.78	1/2	2,959.42	1/2	2,684.38	1/2	2,387.86	1/2	2,090.97
3/4		3/4		3/4		3/4	3,712.94	3/4	3,460.87	3/4	3,207.50	3/4	2,954.14	3/4	2,678.21	3/4	2,381.68	3/4	2,084.78
4		4		4		4	3,707.74	4	3,455.59	4	3,202.23	4	2,948.86	4	2,672.04	4	2,375.49	4	2,078.60
1/4		1/4		1/4		1/4	3,702.55	1/4	3,450.31	1/4	3,196.95	1/4	2,943.58	1/4	2,665.88	1/4	2,369.31	1/4	2,072.41
1/2		1/2		1/2		1/2	3,697.36	1/2	3,445.03	1/2	3,191.67	1/2	2,938.31	1/2	2,659.71	1/2	2,363.12	1/2	2,066.23
3/4		3/4		3/4		3/4	3,692.17	3/4	3,439.75	3/4	3,186.39	3/4	2,933.03	3/4	2,653.55	3/4	2,356.93	3/4	2,060.04
5		5		5		5	3,686.97	5	3,434.48	5	3,181.11	5	2,927.75	5	2,647.38	5	2,350.75	5	2,053.86
1/4		1/4		1/4		1/4	3,681.78	1/4	3,429.20	1/4	3,175.83	1/4	2,922.47	1/4	2,641.21	1/4	2,344.56	1/4	2,047.67
1/2		1/2		1/2		1/2	3,676.59	1/2	3,423.92	1/2	3,170.56	1/2	2,917.19	1/2	2,635.05	1/2	2,338.38	1/2	2,041.48
3/4		3/4		3/4		3/4	3,671.40	3/4	3,418.64	3/4	3,165.28	3/4	2,911.91	3/4	2,628.88	3/4	2,332.19	3/4	2,035.30
6		6		6		6	3,666.20	6	3,413.36	6	3,160.00	6	2,906.64	6	2,622.71	6	2,326.01	6	2,029.11
1/4		1/4		1/4		1/4	3,661.01	1/4	3,408.08	1/4	3,154.72	1/4	2,901.36	1/4	2,616.55	1/4	2,319.82	1/4	2,022.93
1/2		1/2		1/2		1/2	3,655.82	1/2	3,402.81	1/2	3,149.44	1/2	2,896.08	1/2	2,610.38	1/2	2,313.64	1/2	2,016.74
3/4		3/4		3/4		3/4	3,650.63	3/4	3,397.53	3/4	3,144.16	3/4	2,890.80	3/4	2,604.21	3/4	2,307.45	3/4	2,010.56
7		7		7		7	3,645.44	7	3,392.25	7	3,138.89	7	2,885.52	7	2,598.05	7	2,301.27	7	2,004.37
1/4		1/4		1/4		1/4	3,640.25	1/4	3,386.97	1/4	3,133.61	1/4	2,880.24	1/4	2,591.88	1/4	2,295.08	1/4	1,998.19
1/2		1/2		1/2		1/2	3,635.06	1/2	3,381.69	1/2	3,128.33	1/2	2,874.97	1/2	2,585.72	1/2	2,288.90	1/2	1,992.00
3/4		3/4		3/4		3/4	3,629.78	3/4	3,376.41	3/4	3,123.05	3/4	2,869.66	3/4	2,579.55	3/4	2,282.71	3/4	1,985.82
8		8		8		8	3,624.50	8	3,371.13	8	3,117.77	8	2,864.36	8	2,573.38	8	2,276.53	8	1,979.63
1/4		1/4		1/4		1/4	3,619.22	1/4	3,365.86	1/4	3,112.49	1/4	2,859.06	1/4	2,567.22	1/4	2,270.34	1/4	1,973.45
1/2		1/2		1/2		1/2	3,613.94	1/2	3,360.58	1/2	3,107.21	1/2	2,853.75	1/2	2,561.05	1/2	2,264.16	1/2	1,967.26
3/4		3/4		3/4		3/4	3,608.66	3/4	3,355.30	3/4	3,101.94	3/4	2,848.45	3/4	2,554.86	3/4	2,257.97	3/4	1,961.08
9		9		9		9	3,603.38	9	3,350.02	9	3,096.66	9	2,843.14	9	2,548.68	9	2,251.78	9	1,954.89
1/4		1/4		1/4		1/4	3,598.11	1/4	3,344.74	1/4	3,091.38	1/4	2,837.84	1/4	2,542.49	1/4	2,245.60	1/4	1,948.71
1/2		1/2		1/2		1/2	3,592.83	1/2	3,339.46	1/2	3,086.10	1/2	2,832.54	1/2	2,536.31	1/2	2,239.41	1/2	1,942.52
3/4		3/4		3/4		3/4	3,587.55	3/4	3,334.19	3/4	3,080.82	3/4	2,826.33	3/4	2,530.12	3/4	2,233.23	3/4	1,936.33
10		10		10		10	3,582.27	10	3,328.91	10	3,075.54	10	2,820.12	10	2,523.94	10	2,227.04	10	1,930.15
1/4		1/4		1/4		1/4	3,576.99	1/4	3,323.63	1/4	3,070.27	1/4	2,813.91	1/4	2,517.75	1/4	2,220.86	1/4	1,923.96
1/2		1/2		1/2		1/2	3,571.71	1/2	3,318.35	1/2	3,064.99	1/2	2,807.71	1/2	2,511.57	1/2	2,214.67	1/2	1,917.78
3/4		3/4		3/4		3/4	3,566.44	3/4	3,313.07	3/4	3,059.71	3/4	2,801.54	3/4	2,505.38	3/4	2,208.49	3/4	1,911.59
11		11		11	3,784.27	11	3,561.16	11	3,307.79	11	3,054.43	11	2,795.37	11	2,499.20	11	2,202.30	11	1,905.41
1/4		1/4		1/4	3,783.75	1/4	3,555.88	1/4	3,302.52	1/4	3,049.15	1/4	2,789.21	1/4	2,493.01	1/4	2,196.12	1/4	1,899.22
1/2		1/2		1/2	3,783.24	1/2	3,550.60	1/2	3,297.24	1/2	3,043.87	1/2	2,783.04	1/2	2,486.83	1/2	2,189.93	1/2	1,893.04
3/4		3/4		3/4	3,781.17	3/4	3,545.32	3/4	3,291.96	3/4	3,038.60	3/4	2,776.87	3/4	2,480.64	3/4	2,183.75	3/4	1,886.85

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'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 10216"

1 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	1,880.67	0	1,583.53	0	1,286.22	0	988.91	0	697.68	0	400.21	0	102.76	0		0		0	
1/4	1,874.48	1/4	1,577.33	1/4	1,280.02	1/4	982.72	1/4	691.50	1/4	394.01	1/4	96.59	1/4		1/4		1/4	
1/2	1,868.30	1/2	1,571.14	1/2	1,273.83	1/2	976.52	1/2	685.32	1/2	387.82	1/2	90.42	1/2		1/2		1/2	
3/4	1,862.11	3/4	1,564.94	3/4	1,267.64	3/4	970.39	3/4	679.12	3/4	381.62	3/4	84.28	3/4		3/4		3/4	
1	1,855.93	1	1,558.75	1	1,261.44	1	964.26	1	672.93	1	375.42	1	78.15	1		1		1	
1/4	1,849.74	1/4	1,552.56	1/4	1,255.25	1/4	958.13	1/4	666.73	1/4	369.22	1/4	72.01	1/4		1/4		1/4	
1/2	1,843.55	1/2	1,546.36	1/2	1,249.05	1/2	952.00	1/2	660.53	1/2	363.02	1/2	65.87	1/2		1/2		1/2	
3/4	1,837.37	3/4	1,540.17	3/4	1,242.86	3/4	945.93	3/4	654.34	3/4	356.82	3/4	59.79	3/4		3/4		3/4	
2	1,831.18	2	1,533.97	2	1,236.67	2	939.86	2	648.14	2	350.63	2	53.71	2		2		2	
1/4	1,825.00	1/4	1,527.78	1/4	1,230.47	1/4	933.80	1/4	641.94	1/4	344.43	1/4	47.63	1/4		1/4		1/4	
1/2	1,818.81	1/2	1,521.59	1/2	1,224.28	1/2	927.73	1/2	635.74	1/2	338.23	1/2	41.54	1/2		1/2		1/2	
3/4	1,812.62	3/4	1,515.39	3/4	1,218.09	3/4	921.66	3/4	629.55	3/4	332.03	3/4	36.38	3/4		3/4		3/4	
3	1,806.43	3	1,509.20	3	1,211.89	3	915.59	3	623.35	3	325.83	3	31.21	3		3		3	
1/4	1,800.23	1/4	1,503.00	1/4	1,205.70	1/4	909.53	1/4	617.15	1/4	319.64	1/4	26.05	1/4		1/4		1/4	
1/2	1,794.04	1/2	1,496.81	1/2	1,199.50	1/2	903.46	1/2	610.95	1/2	313.44	1/2	20.88	1/2		1/2		1/2	
3/4	1,787.85	3/4	1,490.62	3/4	1,193.31	3/4	897.41	3/4	604.75	3/4	307.24	3/4	17.78	3/4		3/4		3/4	
4	1,781.65	4	1,484.42	4	1,187.12	4	891.36	4	598.55	4	301.04	4	14.67	4		4		4	
1/4	1,775.46	1/4	1,478.23	1/4	1,180.92	1/4	885.31	1/4	592.36	1/4	294.84	1/4	11.57	1/4		1/4		1/4	
1/2	1,769.26	1/2	1,472.03	1/2	1,174.73	1/2	879.26	1/2	586.16	1/2	288.64	1/2	8.46	1/2		1/2		1/2	
3/4	1,763.07	3/4	1,465.84	3/4	1,168.53	3/4	873.22	3/4	579.96	3/4	282.45	3/4	7.43	3/4		3/4		3/4	
5	1,756.88	5	1,459.65	5	1,162.34	5	867.19	5	573.76	5	276.25	5	6.39	5		5		5	
1/4	1,750.68	1/4	1,453.45	1/4	1,156.15	1/4	861.16	1/4	567.56	1/4	270.05	1/4	5.36	1/4		1/4		1/4	
1/2	1,744.49	1/2	1,447.26	1/2	1,149.95	1/2	855.12	1/2	561.37	1/2	263.85	1/2	4.32	1/2		1/2		1/2	
3/4	1,738.30	3/4	1,441.07	3/4	1,143.76	3/4	849.09	3/4	555.17	3/4	257.65	3/4		3/4		3/4		3/4	
6	1,732.11	6	1,434.87	6	1,137.56	6	843.05	6	548.97	6	251.46	6		6		6		6	
1/4	1,725.91	1/4	1,428.68	1/4	1,131.37	1/4	837.02	1/4	542.77	1/4	245.26	1/4		1/4		1/4		1/4	
1/2	1,719.72	1/2	1,422.48	1/2	1,125.18	1/2	830.98	1/2	536.57	1/2	239.06	1/2		1/2		1/2		1/2	
3/4	1,713.53	3/4	1,416.29	3/4	1,118.98	3/4	824.95	3/4	530.37	3/4	232.86	3/4		3/4		3/4		3/4	
7	1,707.34	7	1,410.10	7	1,112.79	7	818.92	7	524.18	7	226.66	7		7		7		7	
1/4	1,701.15	1/4	1,403.90	1/4	1,106.59	1/4	812.88	1/4	517.98	1/4	220.46	1/4		1/4		1/4		1/4	
1/2	1,694.96	1/2	1,397.71	1/2	1,100.40	1/2	806.85	1/2	511.78	1/2	214.27	1/2		1/2		1/2		1/2	
3/4	1,688.77	3/4	1,391.51	3/4	1,094.21	3/4	800.81	3/4	505.58	3/4	208.07	3/4		3/4		3/4		3/4	
8	1,682.58	8	1,385.32	8	1,088.01	8	794.78	8	499.38	8	201.87	8		8		8		8	
1/4	1,676.39	1/4	1,379.13	1/4	1,081.82	1/4	788.74	1/4	493.19	1/4	195.67	1/4		1/4		1/4		1/4	
1/2	1,670.20	1/2	1,372.93	1/2	1,075.63	1/2	782.71	1/2	486.99	1/2	189.47	1/2		1/2		1/2		1/2	
3/4	1,664.01	3/4	1,366.74	3/4	1,069.43	3/4	776.67	3/4	480.79	3/4	183.28	3/4		3/4		3/4		3/4	
9	1,657.82	9	1,360.54	9	1,063.24	9	770.64	9	474.59	9	177.08	9		9		9		9	
1/4	1,651.63	1/4	1,354.35	1/4	1,057.04	1/4	764.61	1/4	468.39	1/4	170.88	1/4		1/4		1/4		1/4	
1/2	1,645.44	1/2	1,348.16	1/2	1,050.85	1/2	758.57	1/2	462.19	1/2	164.68	1/2		1/2		1/2		1/2	
3/4	1,639.25	3/4	1,341.96	3/4	1,044.66	3/4	752.54	3/4	456.00	3/4	158.48	3/4		3/4		3/4		3/4	
10	1,633.06	10	1,335.77	10	1,038.46	10	746.50	10	449.80	10	152.28	10		10		10		10	
1/4	1,626.86	1/4	1,329.58	1/4	1,032.27	1/4	740.47	1/4	443.60	1/4	146.07	1/4		1/4		1/4		1/4	
1/2	1,620.67	1/2	1,323.38	1/2	1,026.07	1/2	734.43	1/2	437.40	1/2	139.87	1/2		1/2		1/2		1/2	
3/4	1,614.48	3/4	1,317.19	3/4	1,019.88	3/4	728.34	3/4	431.20	3/4	133.68	3/4		3/4		3/4		3/4	
11	1,608.29	11	1,310.99	11	1,013.69	11	722.24	11	425.00	11	127.49	11		11		11		11	
1/4	1,602.10	1/4	1,304.80	1/4	1,007.49	1/4	716.14	1/4	418.81	1/4	121.30	1/4		1/4		1/4		1/4	
1/2	1,595.91	1/2	1,298.61	1/2	1,001.30	1/2	710.04	1/2	412.61	1/2	115.10	1/2		1/2		1/2		1/2	
3/4	1,589.72	3/4	1,292.41	3/4	995.10	3/4	703.86	3/4	406.41	3/4	108.93	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/23/2010 CL - SW
CALCULATED: 08/23/2010 CL
PRINTED: 08/23/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2010

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



BARGE "KIRBY 10216"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	0	0	3,481.05	0	3,233.39	0	2,971.45	0	2,709.50	0	2,447.01	0	2,183.66	0	1,920.32		
1/4	1/4	1/4	1/4	1/4	3,479.22	1/4	3,227.94	1/4	2,965.99	1/4	2,704.05	1/4	2,441.52	1/4	2,178.18	1/4	1,914.83		
1/2	1/2	1/2	1/2	1/2	3,475.56	1/2	3,222.48	1/2	2,960.53	1/2	2,698.59	1/2	2,436.03	1/2	2,172.69	1/2	1,909.35		
3/4	3/4	3/4	3/4	3/4	3,471.90	3/4	3,217.02	3/4	2,955.08	3/4	2,693.13	3/4	2,430.55	3/4	2,167.20	3/4	1,903.86		
1	1	1	1	1	3,468.24	1	3,211.57	1	2,949.62	1	2,687.67	1	2,425.06	1	2,161.72	1	1,898.38		
1/4	1/4	1/4	1/4	1/4	3,464.58	1/4	3,206.11	1/4	2,944.16	1/4	2,682.22	1/4	2,419.57	1/4	2,156.23	1/4	1,892.89		
1/2	1/2	1/2	1/2	1/2	3,459.47	1/2	3,200.65	1/2	2,938.71	1/2	2,676.76	1/2	2,414.09	1/2	2,150.75	1/2	1,887.40		
3/4	3/4	3/4	3/4	3/4	3,454.37	3/4	3,195.19	3/4	2,933.25	3/4	2,671.30	3/4	2,408.60	3/4	2,145.26	3/4	1,881.92		
2	2	2	2	2	3,449.27	2	3,189.74	2	2,927.79	2	2,665.85	2	2,403.11	2	2,139.77	2	1,876.43		
1/4	1/4	1/4	1/4	1/4	3,444.17	1/4	3,184.28	1/4	2,922.33	1/4	2,660.39	1/4	2,397.63	1/4	2,134.29	1/4	1,870.94		
1/2	1/2	1/2	1/2	1/2	3,438.83	1/2	3,178.82	1/2	2,916.88	1/2	2,654.93	1/2	2,392.14	1/2	2,128.80	1/2	1,865.46		
3/4	3/4	3/4	3/4	3/4	3,433.49	3/4	3,173.37	3/4	2,911.42	3/4	2,649.47	3/4	2,386.66	3/4	2,123.31	3/4	1,859.97		
3	3	3	3	3	3,428.15	3	3,167.91	3	2,905.96	3	2,644.02	3	2,381.17	3	2,117.83	3	1,854.48		
1/4	1/4	1/4	1/4	1/4	3,422.82	1/4	3,162.45	1/4	2,900.51	1/4	2,638.56	1/4	2,375.68	1/4	2,112.34	1/4	1,849.00		
1/2	1/2	1/2	1/2	1/2	3,417.46	1/2	3,156.99	1/2	2,895.05	1/2	2,633.10	1/2	2,370.20	1/2	2,106.85	1/2	1,843.51		
3/4	3/4	3/4	3/4	3/4	3,412.11	3/4	3,151.54	3/4	2,889.59	3/4	2,627.65	3/4	2,364.71	3/4	2,101.37	3/4	1,838.03		
4	4	4	4	4	3,406.75	4	3,146.08	4	2,884.13	4	2,622.19	4	2,359.22	4	2,095.88	4	1,832.54		
1/4	1/4	1/4	1/4	1/4	3,401.40	1/4	3,140.62	1/4	2,878.68	1/4	2,616.73	1/4	2,353.74	1/4	2,090.40	1/4	1,827.05		
1/2	1/2	1/2	1/2	1/2	3,396.03	1/2	3,135.17	1/2	2,873.22	1/2	2,611.27	1/2	2,348.25	1/2	2,084.91	1/2	1,821.57		
3/4	3/4	3/4	3/4	3/4	3,390.67	3/4	3,129.71	3/4	2,867.76	3/4	2,605.82	3/4	2,342.77	3/4	2,079.42	3/4	1,816.08		
5	5	5	5	5	3,385.31	5	3,124.25	5	2,862.31	5	2,600.36	5	2,337.28	5	2,073.94	5	1,810.59		
1/4	1/4	1/4	1/4	1/4	3,379.95	1/4	3,118.79	1/4	2,856.85	1/4	2,594.90	1/4	2,331.79	1/4	2,068.45	1/4	1,805.11		
1/2	1/2	1/2	1/2	1/2	3,374.59	1/2	3,113.34	1/2	2,851.39	1/2	2,589.45	1/2	2,326.31	1/2	2,062.96	1/2	1,799.62		
3/4	3/4	3/4	3/4	3/4	3,369.23	3/4	3,107.88	3/4	2,845.93	3/4	2,583.99	3/4	2,320.82	3/4	2,057.48	3/4	1,794.14		
6	6	6	6	6	3,363.87	6	3,102.42	6	2,840.48	6	2,578.53	6	2,315.33	6	2,051.99	6	1,788.65		
1/4	1/4	1/4	1/4	1/4	3,358.51	1/4	3,096.96	1/4	2,835.02	1/4	2,573.07	1/4	2,309.85	1/4	2,046.51	1/4	1,783.16		
1/2	1/2	1/2	1/2	1/2	3,353.16	1/2	3,091.51	1/2	2,829.56	1/2	2,567.62	1/2	2,304.36	1/2	2,041.02	1/2	1,777.68		
3/4	3/4	3/4	3/4	3/4	3,347.80	3/4	3,086.05	3/4	2,824.10	3/4	2,562.16	3/4	2,298.88	3/4	2,035.53	3/4	1,772.19		
7	7	7	7	7	3,342.44	7	3,080.59	7	2,818.65	7	2,556.70	7	2,293.39	7	2,030.05	7	1,766.70		
1/4	1/4	1/4	1/4	1/4	3,337.08	1/4	3,075.14	1/4	2,813.19	1/4	2,551.24	1/4	2,287.90	1/4	2,024.56	1/4	1,761.22		
1/2	1/2	1/2	1/2	1/2	3,331.62	1/2	3,069.68	1/2	2,807.73	1/2	2,545.76	1/2	2,282.42	1/2	2,019.07	1/2	1,755.73		
3/4	3/4	3/4	3/4	3/4	3,326.17	3/4	3,064.22	3/4	2,802.28	3/4	2,540.27	3/4	2,276.93	3/4	2,013.59	3/4	1,750.25		
8	8	8	8	8	3,320.71	8	3,058.76	8	2,796.82	8	2,534.79	8	2,271.44	8	2,008.10	8	1,744.76		
1/4	1/4	1/4	1/4	1/4	3,315.25	1/4	3,053.31	1/4	2,791.36	1/4	2,529.30	1/4	2,265.96	1/4	2,002.61	1/4	1,739.27		
1/2	1/2	1/2	1/2	1/2	3,309.80	1/2	3,047.85	1/2	2,785.90	1/2	2,523.81	1/2	2,260.47	1/2	1,997.13	1/2	1,733.79		
3/4	3/4	3/4	3/4	3/4	3,304.34	3/4	3,042.39	3/4	2,780.45	3/4	2,518.33	3/4	2,254.98	3/4	1,991.64	3/4	1,728.30		
9	9	9	9	9	3,298.88	9	3,036.94	9	2,774.99	9	2,512.84	9	2,249.50	9	1,986.16	9	1,722.81		
1/4	1/4	1/4	1/4	1/4	3,293.42	1/4	3,031.48	1/4	2,769.53	1/4	2,507.35	1/4	2,244.01	1/4	1,980.67	1/4	1,717.33		
1/2	1/2	1/2	1/2	1/2	3,287.97	1/2	3,026.02	1/2	2,764.08	1/2	2,501.87	1/2	2,238.53	1/2	1,975.18	1/2	1,711.84		
3/4	3/4	3/4	3/4	3/4	3,282.51	3/4	3,020.56	3/4	2,758.62	3/4	2,496.38	3/4	2,233.04	3/4	1,969.70	3/4	1,706.35		
10	10	10	10	10	3,277.05	10	3,015.11	10	2,753.16	10	2,490.90	10	2,227.55	10	1,964.21	10	1,700.87		
1/4	1/4	1/4	1/4	1/4	3,271.60	1/4	3,009.65	1/4	2,747.70	1/4	2,485.41	1/4	2,222.07	1/4	1,958.72	1/4	1,695.38		
1/2	1/2	1/2	1/2	1/2	3,266.14	1/2	3,004.19	1/2	2,742.25	1/2	2,479.92	1/2	2,216.58	1/2	1,953.24	1/2	1,689.90		
3/4	3/4	3/4	3/4	3/4	3,487.45	3/4	3,260.68	3/4	2,998.74	3/4	2,736.79	3/4	2,474.44	3/4	2,211.09	3/4	1,947.75	3/4	1,684.41
11	11	11	11	11	3,486.99	11	3,255.22	11	2,993.28	11	2,731.33	11	2,468.95	11	1,942.27	11	1,678.92		
1/4	1/4	1/4	1/4	1/4	3,486.54	1/4	3,249.77	1/4	2,987.82	1/4	2,725.88	1/4	2,463.46	1/4	1,936.78	1/4	1,673.44		
1/2	1/2	1/2	1/2	1/2	3,484.71	1/2	3,244.31	1/2	2,982.36	1/2	2,720.42	1/2	2,457.98	1/2	1,931.29	1/2	1,667.95		
3/4	3/4	3/4	3/4	3/4	3,482.88	3/4	3,238.85	3/4	2,976.91	3/4	2,714.96	3/4	2,452.49	3/4	1,925.81	3/4	1,662.46		

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'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 10216"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,656.98	0	1,393.62	0	1,130.11	0	868.72	0	609.03	0	345.54	0	82.24	0		0		0	
1/4	1,651.49	1/4	1,388.13	1/4	1,124.62	1/4	863.31	1/4	603.54	1/4	340.05	1/4	76.79	1/4		1/4		1/4	
1/2	1,646.01	1/2	1,382.65	1/2	1,119.13	1/2	857.91	1/2	598.05	1/2	334.56	1/2	71.36	1/2		1/2		1/2	
3/4	1,640.52	3/4	1,377.16	3/4	1,113.64	3/4	852.50	3/4	592.56	3/4	329.07	3/4	65.94	3/4		3/4		3/4	
1	1,635.03	1	1,371.67	1	1,108.15	1	847.10	1	587.07	1	323.58	1	60.51	1		1		1	
1/4	1,629.55	1/4	1,366.18	1/4	1,102.66	1/4	841.69	1/4	581.58	1/4	318.09	1/4	55.08	1/4		1/4		1/4	
1/2	1,624.06	1/2	1,360.69	1/2	1,097.17	1/2	836.29	1/2	576.09	1/2	312.60	1/2	49.71	1/2		1/2		1/2	
3/4	1,618.57	3/4	1,355.20	3/4	1,091.68	3/4	830.88	3/4	570.61	3/4	307.11	3/4	44.33	3/4		3/4		3/4	
2	1,613.09	2	1,349.71	2	1,086.19	2	825.48	2	565.12	2	301.62	2	38.96	2		2		2	
1/4	1,607.60	1/4	1,344.22	1/4	1,080.70	1/4	820.07	1/4	559.63	1/4	296.14	1/4	33.58	1/4		1/4		1/4	
1/2	1,602.12	1/2	1,338.73	1/2	1,075.21	1/2	814.67	1/2	554.14	1/2	290.65	1/2	29.01	1/2		1/2		1/2	
3/4	1,596.63	3/4	1,333.24	3/4	1,069.72	3/4	809.27	3/4	548.65	3/4	285.16	3/4	24.45	3/4		3/4		3/4	
3	1,591.14	3	1,327.75	3	1,064.23	3	803.87	3	543.16	3	279.67	3	19.88	3		3		3	
1/4	1,585.66	1/4	1,322.26	1/4	1,058.74	1/4	798.47	1/4	537.67	1/4	274.18	1/4	15.31	1/4		1/4		1/4	
1/2	1,580.17	1/2	1,316.77	1/2	1,053.25	1/2	793.07	1/2	532.18	1/2	268.69	1/2	12.57	1/2		1/2		1/2	
3/4	1,574.68	3/4	1,311.28	3/4	1,047.76	3/4	787.67	3/4	526.69	3/4	263.20	3/4	9.83	3/4		3/4		3/4	
4	1,569.20	4	1,305.79	4	1,042.27	4	782.27	4	521.20	4	257.71	4	7.08	4		4		4	
1/4	1,563.71	1/4	1,300.30	1/4	1,036.78	1/4	776.87	1/4	515.71	1/4	252.22	1/4	4.34	1/4		1/4		1/4	
1/2	1,558.22	1/2	1,294.81	1/2	1,031.29	1/2	771.47	1/2	510.22	1/2	246.73	1/2	3.42	1/2		1/2		1/2	
3/4	1,552.74	3/4	1,289.32	3/4	1,025.80	3/4	766.07	3/4	504.73	3/4	241.24	3/4	2.51	3/4		3/4		3/4	
5	1,547.25	5	1,283.83	5	1,020.31	5	760.67	5	499.24	5	235.75	5	1.59	5		5		5	
1/4	1,541.77	1/4	1,278.34	1/4	1,014.82	1/4	755.27	1/4	493.75	1/4	230.26	1/4	0.68	1/4		1/4		1/4	
1/2	1,536.28	1/2	1,272.85	1/2	1,009.37	1/2	749.88	1/2	488.26	1/2	224.77	1/2		1/2		1/2		1/2	
3/4	1,530.79	3/4	1,267.36	3/4	1,003.93	3/4	744.48	3/4	482.77	3/4	219.28	3/4		3/4		3/4		3/4	
6	1,525.31	6	1,261.87	6	998.48	6	739.08	6	477.29	6	213.79	6		6		6		6	
1/4	1,519.82	1/4	1,256.38	1/4	993.03	1/4	733.68	1/4	471.80	1/4	208.30	1/4		1/4		1/4		1/4	
1/2	1,514.33	1/2	1,250.89	1/2	987.63	1/2	728.28	1/2	466.31	1/2	202.82	1/2		1/2		1/2		1/2	
3/4	1,508.85	3/4	1,245.40	3/4	982.22	3/4	722.88	3/4	460.82	3/4	197.33	3/4		3/4		3/4		3/4	
7	1,503.36	7	1,239.91	7	976.82	7	717.48	7	455.33	7	191.84	7		7		7		7	
1/4	1,497.88	1/4	1,234.42	1/4	971.41	1/4	712.08	1/4	449.84	1/4	186.35	1/4		1/4		1/4		1/4	
1/2	1,492.39	1/2	1,228.93	1/2	966.01	1/2	706.68	1/2	444.35	1/2	180.86	1/2		1/2		1/2		1/2	
3/4	1,486.90	3/4	1,223.44	3/4	960.60	3/4	701.28	3/4	438.86	3/4	175.37	3/4		3/4		3/4		3/4	
8	1,481.42	8	1,217.95	8	955.20	8	695.88	8	433.37	8	169.88	8		8		8		8	
1/4	1,475.93	1/4	1,212.46	1/4	949.79	1/4	690.48	1/4	427.88	1/4	164.39	1/4		1/4		1/4		1/4	
1/2	1,470.44	1/2	1,206.97	1/2	944.39	1/2	685.08	1/2	422.39	1/2	158.90	1/2		1/2		1/2		1/2	
3/4	1,464.96	3/4	1,201.48	3/4	938.98	3/4	679.68	3/4	416.90	3/4	153.41	3/4		3/4		3/4		3/4	
9	1,459.47	9	1,195.99	9	933.58	9	674.28	9	411.41	9	147.92	9		9		9		9	
1/4	1,453.98	1/4	1,190.50	1/4	928.17	1/4	668.88	1/4	405.92	1/4	142.43	1/4		1/4		1/4		1/4	
1/2	1,448.50	1/2	1,185.01	1/2	922.77	1/2	663.48	1/2	400.43	1/2	136.95	1/2		1/2		1/2		1/2	
3/4	1,443.01	3/4	1,179.52	3/4	917.36	3/4	658.08	3/4	394.94	3/4	131.47	3/4		3/4		3/4		3/4	
10	1,437.53	10	1,174.03	10	911.96	10	652.68	10	389.46	10	125.98	10		10		10		10	
1/4	1,432.04	1/4	1,168.54	1/4	906.55	1/4	647.29	1/4	383.97	1/4	120.50	1/4		1/4		1/4		1/4	
1/2	1,426.55	1/2	1,163.05	1/2	901.15	1/2	641.84	1/2	378.48	1/2	115.03	1/2		1/2		1/2		1/2	
3/4	1,421.07	3/4	1,157.56	3/4	895.74	3/4	636.39	3/4	372.99	3/4	109.55	3/4		3/4		3/4		3/4	
11	1,415.58	11	1,152.07	11	890.34	11	630.95	11	367.50	11	104.08	11		11		11		11	
1/4	1,410.09	1/4	1,146.58	1/4	884.93	1/4	625.50	1/4	362.01	1/4	98.61	1/4		1/4		1/4		1/4	
1/2	1,404.60	1/2	1,141.09	1/2	879.53	1/2	620.01	1/2	356.52	1/2	93.15	1/2		1/2		1/2		1/2	
3/4	1,399.11	3/4	1,135.60	3/4	874.12	3/4	614.52	3/4	351.03	3/4	87.70	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/23/2010 CL - SW
CALCULATED: 08/23/2010 CL
PRINTED: 08/23/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2010

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



BARGE "KIRBY 10216"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

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	3,462.79	0	3,216.77	0	2,956.53	0	2,696.29	0	2,435.49	0	2,173.85	0	1,912.21
1/4		1/4		1/4		1/4	3,460.97	1/4	3,211.35	1/4	2,951.11	1/4	2,690.87	1/4	2,430.04	1/4	2,168.40	1/4	1,906.76
1/2		1/2		1/2		1/2	3,457.33	1/2	3,205.93	1/2	2,945.69	1/2	2,685.45	1/2	2,424.59	1/2	2,162.95	1/2	1,901.30
3/4		3/4		3/4		3/4	3,453.70	3/4	3,200.51	3/4	2,940.27	3/4	2,680.02	3/4	2,419.14	3/4	2,157.50	3/4	1,895.85
1		1		1		1	3,450.06	1	3,195.09	1	2,934.84	1	2,674.60	1	2,413.69	1	2,152.05	1	1,890.40
1/4		1/4		1/4		1/4	3,446.42	1/4	3,189.66	1/4	2,929.42	1/4	2,669.18	1/4	2,408.24	1/4	2,146.60	1/4	1,884.95
1/2		1/2		1/2		1/2	3,441.36	1/2	3,184.24	1/2	2,924.00	1/2	2,663.76	1/2	2,402.79	1/2	2,141.14	1/2	1,879.50
3/4		3/4		3/4		3/4	3,436.29	3/4	3,178.82	3/4	2,918.58	3/4	2,658.34	3/4	2,397.34	3/4	2,135.69	3/4	1,874.05
2		2		2		2	3,431.22	2	3,173.40	2	2,913.16	2	2,652.92	2	2,391.89	2	2,130.24	2	1,868.60
1/4		1/4		1/4		1/4	3,426.15	1/4	3,167.98	1/4	2,907.74	1/4	2,647.49	1/4	2,386.44	1/4	2,124.79	1/4	1,863.15
1/2		1/2		1/2		1/2	3,420.85	1/2	3,162.56	1/2	2,902.31	1/2	2,642.07	1/2	2,380.98	1/2	2,119.34	1/2	1,857.70
3/4		3/4		3/4		3/4	3,415.55	3/4	3,157.13	3/4	2,896.89	3/4	2,636.65	3/4	2,375.53	3/4	2,113.89	3/4	1,852.25
3		3		3		3	3,410.24	3	3,151.71	3	2,891.47	3	2,631.23	3	2,370.08	3	2,108.44	3	1,846.80
1/4		1/4		1/4		1/4	3,404.94	1/4	3,146.29	1/4	2,886.05	1/4	2,625.81	1/4	2,364.63	1/4	2,102.99	1/4	1,841.35
1/2		1/2		1/2		1/2	3,399.63	1/2	3,140.87	1/2	2,880.63	1/2	2,620.39	1/2	2,359.18	1/2	2,097.54	1/2	1,835.89
3/4		3/4		3/4		3/4	3,394.31	3/4	3,135.45	3/4	2,875.21	3/4	2,614.96	3/4	2,353.73	3/4	2,092.09	3/4	1,830.44
4		4		4		4	3,388.99	4	3,130.03	4	2,869.78	4	2,609.54	4	2,348.28	4	2,086.64	4	1,824.99
1/4		1/4		1/4		1/4	3,383.67	1/4	3,124.60	1/4	2,864.36	1/4	2,604.12	1/4	2,342.83	1/4	2,081.18	1/4	1,819.54
1/2		1/2		1/2		1/2	3,378.35	1/2	3,119.18	1/2	2,858.94	1/2	2,598.70	1/2	2,337.38	1/2	2,075.73	1/2	1,814.09
3/4		3/4		3/4		3/4	3,373.02	3/4	3,113.76	3/4	2,853.52	3/4	2,593.28	3/4	2,331.93	3/4	2,070.28	3/4	1,808.64
5		5		5		5	3,367.69	5	3,108.34	5	2,848.10	5	2,587.86	5	2,326.48	5	2,064.83	5	1,803.19
1/4		1/4		1/4		1/4	3,362.37	1/4	3,102.92	1/4	2,842.68	1/4	2,582.43	1/4	2,321.02	1/4	2,059.38	1/4	1,797.74
1/2		1/2		1/2		1/2	3,357.05	1/2	3,097.50	1/2	2,837.25	1/2	2,577.01	1/2	2,315.57	1/2	2,053.93	1/2	1,792.29
3/4		3/4		3/4		3/4	3,351.72	3/4	3,092.07	3/4	2,831.83	3/4	2,571.59	3/4	2,310.12	3/4	2,048.48	3/4	1,786.84
6		6		6		6	3,346.40	6	3,086.65	6	2,826.41	6	2,566.17	6	2,304.67	6	2,043.03	6	1,781.39
1/4		1/4		1/4		1/4	3,341.08	1/4	3,081.23	1/4	2,820.99	1/4	2,560.75	1/4	2,299.22	1/4	2,037.58	1/4	1,775.93
1/2		1/2		1/2		1/2	3,335.75	1/2	3,075.81	1/2	2,815.57	1/2	2,555.33	1/2	2,293.77	1/2	2,032.13	1/2	1,770.48
3/4		3/4		3/4		3/4	3,330.43	3/4	3,070.39	3/4	2,810.15	3/4	2,549.90	3/4	2,288.32	3/4	2,026.68	3/4	1,765.03
7		7		7		7	3,325.11	7	3,064.97	7	2,804.72	7	2,544.48	7	2,282.87	7	2,021.22	7	1,759.58
1/4		1/4		1/4		1/4	3,319.79	1/4	3,059.54	1/4	2,799.30	1/4	2,539.06	1/4	2,277.42	1/4	2,015.77	1/4	1,754.13
1/2		1/2		1/2		1/2	3,314.36	1/2	3,054.12	1/2	2,793.88	1/2	2,533.61	1/2	2,271.97	1/2	2,010.32	1/2	1,748.68
3/4		3/4		3/4		3/4	3,308.94	3/4	3,048.70	3/4	2,788.46	3/4	2,528.16	3/4	2,266.52	3/4	2,004.87	3/4	1,743.23
8		8		8		8	3,303.52	8	3,043.28	8	2,783.04	8	2,522.71	8	2,261.06	8	1,999.42	8	1,737.78
1/4		1/4		1/4		1/4	3,298.10	1/4	3,037.86	1/4	2,777.62	1/4	2,517.26	1/4	2,255.61	1/4	1,993.97	1/4	1,732.33
1/2		1/2		1/2		1/2	3,292.68	1/2	3,032.43	1/2	2,772.19	1/2	2,511.81	1/2	2,250.16	1/2	1,988.52	1/2	1,726.88
3/4		3/4		3/4		3/4	3,287.25	3/4	3,027.01	3/4	2,766.77	3/4	2,506.35	3/4	2,244.71	3/4	1,983.07	3/4	1,721.43
9		9		9		9	3,281.83	9	3,021.59	9	2,761.35	9	2,500.90	9	2,239.26	9	1,977.62	9	1,715.97
1/4		1/4		1/4		1/4	3,276.41	1/4	3,016.17	1/4	2,755.93	1/4	2,495.45	1/4	2,233.81	1/4	1,972.17	1/4	1,710.52
1/2		1/2		1/2		1/2	3,270.99	1/2	3,010.75	1/2	2,750.51	1/2	2,490.00	1/2	2,228.36	1/2	1,966.72	1/2	1,705.07
3/4		3/4		3/4		3/4	3,265.57	3/4	3,005.33	3/4	2,745.08	3/4	2,484.55	3/4	2,222.91	3/4	1,961.26	3/4	1,699.62
10		10		10		10	3,260.15	10	2,999.90	10	2,739.66	10	2,479.10	10	2,217.46	10	1,955.81	10	1,694.17
1/4		1/4		1/4		1/4	3,254.72	1/4	2,994.48	1/4	2,734.24	1/4	2,473.65	1/4	2,212.01	1/4	1,950.36	1/4	1,688.72
1/2		1/2		1/2		1/2	3,249.30	1/2	2,989.06	1/2	2,728.82	1/2	2,468.20	1/2	2,206.56	1/2	1,944.91	1/2	1,683.27
3/4		3/4		3/4		3/4	3,469.15	3/4	3,243.88	3/4	2,983.64	3/4	2,723.40	3/4	2,462.75	3/4	2,201.10	3/4	1,939.46
11		11		11		11	3,238.46	11	2,978.22	11	2,717.98	11	2,457.30	11	2,195.65	11	1,934.01	11	1,677.82
1/4		1/4		1/4		1/4	3,468.24	1/4	3,233.04	1/4	2,972.80	1/4	2,712.55	1/4	2,451.85	1/4	2,190.20	1/4	1,928.56
1/2		1/2		1/2		1/2	3,466.42	1/2	3,227.62	1/2	2,967.37	1/2	2,707.13	1/2	2,446.39	1/2	2,184.75	1/2	1,923.11
3/4		3/4		3/4		3/4	3,464.61	3/4	3,222.19	3/4	2,961.95	3/4	2,701.71	3/4	2,440.94	3/4	2,179.30	3/4	1,917.66

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'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 10216"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,650.56	0	1,388.91	0	1,127.09	0	866.27	0	605.11	0	343.32	0	81.72	0		0		0	
1/4	1,645.11	1/4	1,383.46	1/4	1,121.64	1/4	860.85	1/4	599.65	1/4	337.86	1/4	76.30	1/4		1/4		1/4	
1/2	1,639.66	1/2	1,378.00	1/2	1,116.18	1/2	855.43	1/2	594.20	1/2	332.41	1/2	70.91	1/2		1/2		1/2	
3/4	1,634.21	3/4	1,372.55	3/4	1,110.73	3/4	850.01	3/4	588.75	3/4	326.95	3/4	65.52	3/4		3/4		3/4	
1	1,628.76	1	1,367.09	1	1,105.28	1	844.59	1	583.29	1	321.50	1	60.13	1		1		1	
1/4	1,623.31	1/4	1,361.64	1/4	1,099.82	1/4	839.18	1/4	577.84	1/4	316.05	1/4	54.74	1/4		1/4		1/4	
1/2	1,617.86	1/2	1,356.18	1/2	1,094.37	1/2	833.76	1/2	572.38	1/2	310.59	1/2	49.39	1/2		1/2		1/2	
3/4	1,612.41	3/4	1,350.73	3/4	1,088.91	3/4	828.34	3/4	566.93	3/4	305.14	3/4	44.05	3/4		3/4		3/4	
2	1,606.96	2	1,345.27	2	1,083.46	2	822.92	2	561.48	2	299.68	2	38.71	2		2		2	
1/4	1,601.51	1/4	1,339.82	1/4	1,078.00	1/4	817.50	1/4	556.02	1/4	294.23	1/4	33.37	1/4		1/4		1/4	
1/2	1,596.05	1/2	1,334.36	1/2	1,072.55	1/2	812.09	1/2	550.57	1/2	288.78	1/2	28.83	1/2		1/2		1/2	
3/4	1,590.60	3/4	1,328.91	3/4	1,067.09	3/4	806.68	3/4	545.11	3/4	283.32	3/4	24.30	3/4		3/4		3/4	
3	1,585.15	3	1,323.46	3	1,061.64	3	801.27	3	539.66	3	277.87	3	19.76	3		3		3	
1/4	1,579.70	1/4	1,318.00	1/4	1,056.19	1/4	795.85	1/4	534.21	1/4	272.41	1/4	15.22	1/4		1/4		1/4	
1/2	1,574.25	1/2	1,312.55	1/2	1,050.73	1/2	790.41	1/2	528.75	1/2	266.96	1/2	12.50	1/2		1/2		1/2	
3/4	1,568.80	3/4	1,307.09	3/4	1,045.28	3/4	784.96	3/4	523.30	3/4	261.51	3/4	9.77	3/4		3/4		3/4	
4	1,563.35	4	1,301.64	4	1,039.82	4	779.51	4	517.84	4	256.05	4	7.04	4		4		4	
1/4	1,557.90	1/4	1,296.18	1/4	1,034.37	1/4	774.06	1/4	512.39	1/4	250.60	1/4	4.32	1/4		1/4		1/4	
1/2	1,552.45	1/2	1,290.73	1/2	1,028.91	1/2	768.61	1/2	506.94	1/2	245.14	1/2	3.41	1/2		1/2		1/2	
3/4	1,547.00	3/4	1,285.27	3/4	1,023.46	3/4	763.16	3/4	501.48	3/4	239.69	3/4	2.50	3/4		3/4		3/4	
5	1,541.55	5	1,279.82	5	1,018.00	5	757.71	5	496.03	5	234.24	5	1.59	5		5		5	
1/4	1,536.09	1/4	1,274.37	1/4	1,012.55	1/4	752.26	1/4	490.57	1/4	228.78	1/4	0.68	1/4		1/4		1/4	
1/2	1,530.64	1/2	1,268.91	1/2	1,007.13	1/2	746.81	1/2	485.12	1/2	223.33	1/2		1/2		1/2		1/2	
3/4	1,525.19	3/4	1,263.46	3/4	1,001.71	3/4	741.36	3/4	479.67	3/4	217.87	3/4		3/4		3/4		3/4	
6	1,519.74	6	1,258.00	6	996.30	6	735.91	6	474.21	6	212.42	6		6		6		6	
1/4	1,514.29	1/4	1,252.55	1/4	990.88	1/4	730.47	1/4	468.76	1/4	206.97	1/4		1/4		1/4		1/4	
1/2	1,508.84	1/2	1,247.09	1/2	985.46	1/2	725.02	1/2	463.30	1/2	201.51	1/2		1/2		1/2		1/2	
3/4	1,503.39	3/4	1,241.64	3/4	980.04	3/4	719.57	3/4	457.85	3/4	196.06	3/4		3/4		3/4		3/4	
7	1,497.94	7	1,236.18	7	974.62	7	714.12	7	452.40	7	190.60	7		7		7		7	
1/4	1,492.49	1/4	1,230.73	1/4	969.21	1/4	708.67	1/4	446.94	1/4	185.15	1/4		1/4		1/4		1/4	
1/2	1,487.04	1/2	1,225.27	1/2	963.79	1/2	703.22	1/2	441.49	1/2	179.70	1/2		1/2		1/2		1/2	
3/4	1,481.59	3/4	1,219.82	3/4	958.37	3/4	697.77	3/4	436.03	3/4	174.24	3/4		3/4		3/4		3/4	
8	1,476.13	8	1,214.37	8	952.95	8	692.32	8	430.58	8	168.79	8		8		8		8	
1/4	1,470.68	1/4	1,208.91	1/4	947.53	1/4	686.87	1/4	425.13	1/4	163.33	1/4		1/4		1/4		1/4	
1/2	1,465.23	1/2	1,203.46	1/2	942.12	1/2	681.42	1/2	419.67	1/2	157.88	1/2		1/2		1/2		1/2	
3/4	1,459.78	3/4	1,198.00	3/4	936.70	3/4	675.97	3/4	414.22	3/4	152.43	3/4		3/4		3/4		3/4	
9	1,454.33	9	1,192.55	9	931.28	9	670.53	9	408.76	9	146.97	9		9		9		9	
1/4	1,448.88	1/4	1,187.09	1/4	925.86	1/4	665.08	1/4	403.31	1/4	141.52	1/4		1/4		1/4		1/4	
1/2	1,443.43	1/2	1,181.64	1/2	920.44	1/2	659.63	1/2	397.86	1/2	136.07	1/2		1/2		1/2		1/2	
3/4	1,437.98	3/4	1,176.18	3/4	915.03	3/4	654.18	3/4	392.40	3/4	130.62	3/4		3/4		3/4		3/4	
10	1,432.53	10	1,170.73	10	909.61	10	648.73	10	386.95	10	125.17	10		10		10		10	
1/4	1,427.08	1/4	1,165.28	1/4	904.19	1/4	643.28	1/4	381.49	1/4	119.73	1/4		1/4		1/4		1/4	
1/2	1,421.63	1/2	1,159.82	1/2	898.77	1/2	637.83	1/2	376.04	1/2	114.29	1/2		1/2		1/2		1/2	
3/4	1,416.17	3/4	1,154.37	3/4	893.36	3/4	632.38	3/4	370.59	3/4	108.85	3/4		3/4		3/4		3/4	
11	1,410.72	11	1,148.91	11	887.94	11	626.92	11	365.13	11	103.41	11		11		11		11	
1/4	1,405.27	1/4	1,143.46	1/4	882.52	1/4	621.47	1/4	359.68	1/4	97.98	1/4		1/4		1/4		1/4	
1/2	1,399.82	1/2	1,138.00	1/2	877.10	1/2	616.01	1/2	354.22	1/2	92.56	1/2		1/2		1/2		1/2	
3/4	1,394.36	3/4	1,132.55	3/4	871.68	3/4	610.56	3/4	348.77	3/4	87.14	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/23/2010 CL - SW
CALCULATED: 08/23/2010 CL
PRINTED: 08/23/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2010

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