



BARGE "KIRBY 28186"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2	01-3/4	- 01-3/4
1 STBD	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2	01-3/4	- 01-3/4
2 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-3/8	- 02-3/8
2 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-3/8	- 02-3/8
3 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-7/8	- 01-7/8	02-3/8	- 02-3/8
3 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-7/8	- 01-7/8	02-3/8	- 02-3/8

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

LENGTH BETWEEN DRAFT MARKS: 261'-00"

March 31, 2012

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28186"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,947.46		4,611.90		4,272.04		3,915.69		3,543.55		3,167.03		2,789.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,940.78	1/4	4,604.98	1/4	4,264.77	1/4	3,908.08	1/4	3,535.71	1/4	3,159.16	1/4	2,781.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,934.11	1/2	4,598.06	1/2	4,257.51	1/2	3,900.46	1/2	3,527.87	1/2	3,151.28	1/2	2,773.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,927.43	3/4	4,591.14	3/4	4,250.24	3/4	3,892.85	3/4	3,520.03	3/4	3,143.41	3/4	2,765.41		
1	1	1	1	1	1	1	4,920.75	1	4,584.22	1	4,242.98	1	3,885.24	1	3,512.19	1	3,135.53	1	2,757.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,913.14	1/4	4,577.27	1/4	4,235.68	1/4	3,877.60	1/4	3,504.35	1/4	3,127.66	1/4	2,749.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,905.53	1/2	4,570.31	1/2	4,228.39	1/2	3,869.96	1/2	3,496.51	1/2	3,119.78	1/2	2,741.78		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,897.92	3/4	4,563.36	3/4	4,221.10	3/4	3,862.32	3/4	3,488.67	3/4	3,111.91	3/4	2,733.91		
2	2	2	2	2	2	2	4,890.31	2	4,556.41	2	4,213.80	2	3,854.68	2	3,480.83	2	3,104.03	2	2,726.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,882.47	1/4	4,549.44	1/4	4,206.48	1/4	3,847.02	1/4	3,472.99	1/4	3,096.16	1/4	2,718.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,874.63	1/2	4,542.46	1/2	4,199.16	1/2	3,839.35	1/2	3,465.15	1/2	3,088.28	1/2	2,710.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,866.79	3/4	4,535.48	3/4	4,191.84	3/4	3,831.69	3/4	3,457.31	3/4	3,080.41	3/4	2,702.41		
3	3	3	3	3	3	3	4,858.95	3	4,528.50	3	4,184.51	3	3,824.02	3	3,449.47	3	3,072.53	3	2,694.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,851.54	1/4	4,521.49	1/4	4,177.16	1/4	3,816.33	1/4	3,441.63	1/4	3,064.66	1/4	2,686.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,844.14	1/2	4,514.49	1/2	4,169.81	1/2	3,808.63	1/2	3,433.79	1/2	3,056.78	1/2	2,678.78		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,836.73	3/4	4,507.48	3/4	4,162.46	3/4	3,800.93	3/4	3,425.95	3/4	3,048.91	3/4	2,670.91		
4	4	4	4	4	4	4	4,829.32	4	4,500.47	4	4,155.11	4	3,793.24	4	3,418.11	4	3,041.03	4	2,663.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,822.63	1/4	4,493.43	1/4	4,147.73	1/4	3,785.52	1/4	3,410.27	1/4	3,033.16	1/4	2,655.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,815.94	1/2	4,486.40	1/2	4,140.35	1/2	3,777.79	1/2	3,402.43	1/2	3,025.28	1/2	2,647.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,809.24	3/4	4,479.36	3/4	4,132.97	3/4	3,770.07	3/4	3,394.59	3/4	3,017.41	3/4	2,639.41		
5	5	5	5	5	5	5	4,802.55	5	4,472.32	5	4,125.59	5	3,762.34	5	3,386.75	5	3,009.53	5	2,631.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,795.83	1/4	4,465.26	1/4	4,118.18	1/4	3,754.59	1/4	3,378.91	1/4	3,001.66	1/4	2,623.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,789.11	1/2	4,458.19	1/2	4,110.77	1/2	3,746.84	1/2	3,371.07	1/2	2,993.78	1/2	2,615.78		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,782.39	3/4	4,451.13	3/4	4,103.36	3/4	3,739.08	3/4	3,363.23	3/4	2,985.91	3/4	2,607.91		
6	6	6	6	6	6	6	4,775.66	6	4,444.06	6	4,095.95	6	3,731.33	6	3,355.39	6	2,978.03	6	2,600.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,768.91	1/4	4,436.97	1/4	4,088.51	1/4	3,723.55	1/4	3,347.55	1/4	2,970.16	1/4	2,592.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,762.16	1/2	4,429.87	1/2	4,081.07	1/2	3,715.77	1/2	3,339.71	1/2	2,962.28	1/2	2,584.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,755.41	3/4	4,422.78	3/4	4,073.64	3/4	3,707.99	3/4	3,331.87	3/4	2,954.41	3/4	2,576.41		
7	7	7	7	7	7	7	4,748.66	7	4,415.68	7	4,066.20	7	3,700.21	7	3,324.03	7	2,946.53	7	2,568.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,741.88	1/4	4,408.56	1/4	4,058.73	1/4	3,692.39	1/4	3,316.19	1/4	2,938.66	1/4	2,560.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,735.10	1/2	4,401.43	1/2	4,051.26	1/2	3,684.58	1/2	3,308.35	1/2	2,930.78	1/2	2,552.78		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,728.32	3/4	4,394.31	3/4	4,043.80	3/4	3,676.77	3/4	3,300.51	3/4	2,922.91	3/4	2,544.91		
8	8	8	8	8	8	8	4,721.54	8	4,387.19	8	4,036.33	8	3,668.96	8	3,292.67	8	2,915.03	8	2,537.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,714.73	1/4	4,380.03	1/4	4,028.83	1/4	3,661.13	1/4	3,284.83	1/4	2,907.16	1/4	2,529.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,707.92	1/2	4,372.88	1/2	4,021.34	1/2	3,653.30	1/2	3,276.99	1/2	2,899.28	1/2	2,521.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,701.11	3/4	4,365.73	3/4	4,013.84	3/4	3,645.46	3/4	3,269.15	3/4	2,891.41	3/4	2,513.41		
9	9	9	9	9	9	9	4,694.29	9	4,358.58	9	4,006.34	9	3,637.63	9	3,261.31	9	2,883.53	9	2,505.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,687.46	1/4	4,351.39	1/4	3,998.82	1/4	3,629.79	1/4	3,253.47	1/4	2,875.66	1/4	2,497.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,680.62	1/2	4,344.21	1/2	3,991.29	1/2	3,621.95	1/2	3,245.63	1/2	2,867.78	1/2	2,489.78		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,673.78	3/4	4,337.03	3/4	3,983.77	3/4	3,614.11	3/4	3,237.79	3/4	2,859.91	3/4	2,481.91		
10	10	10	10	10	10	10	4,666.94	10	4,329.85	10	3,976.24	10	3,606.27	10	3,229.95	10	2,852.03	10	2,474.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,660.07	1/4	4,322.63	1/4	3,968.69	1/4	3,598.43	1/4	3,222.09	1/4	2,844.16	1/4	2,466.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,653.20	1/2	4,315.42	1/2	3,961.13	1/2	3,590.59	1/2	3,214.24	1/2	2,836.28	1/2	2,458.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,646.34	3/4	4,308.21	3/4	3,953.58	3/4	3,582.75	3/4	3,206.39	3/4	2,828.41	3/4	2,450.41		
11	11	11	11	11	11	11	4,639.47	11	4,301.00	11	3,946.02	11	3,574.91	11	3,198.53	11	2,820.53	11	2,442.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,632.57	1/4	4,293.76	1/4	3,938.44	1/4	3,567.07	1/4	3,190.66	1/4	2,812.66	1/4	2,434.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,958.22	1/2	4,625.68	1/2	4,286.52	1/2	3,930.86	1/2	3,559.23	1/2	3,182.78	1/2	2,804.78	1/2	2,426.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,952.84	3/4	4,618.79	3/4	4,279.28	3/4	3,923.27	3/4	3,551.39	3/4	3,174.91	3/4	2,796.91	3/4	2,418.91

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

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BARGE "KIRBY 28186"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,411.03	0	2,033.03	0	1,655.03	0	1,278.47	0	901.20	0	523.25	0	176.18	0		0		0	
1/4	2,403.16	1/4	2,025.16	1/4	1,647.16	1/4	1,270.65	1/4	893.32	1/4	515.43	1/4	169.66	1/4		1/4		1/4	
1/2	2,395.28	1/2	2,017.28	1/2	1,639.28	1/2	1,262.82	1/2	885.45	1/2	507.62	1/2	163.15	1/2		1/2		1/2	
3/4	2,387.41	3/4	2,009.41	3/4	1,631.41	3/4	1,255.00	3/4	877.58	3/4	499.80	3/4	156.63	3/4		3/4		3/4	
1	2,379.53	1	2,001.53	1	1,623.53	1	1,247.17	1	869.70	1	491.98	1	150.11	1		1		1	
1/4	2,371.66	1/4	1,993.66	1/4	1,615.66	1/4	1,239.35	1/4	861.83	1/4	484.26	1/4	143.71	1/4		1/4		1/4	
1/2	2,363.78	1/2	1,985.78	1/2	1,607.78	1/2	1,231.52	1/2	853.95	1/2	476.53	1/2	137.30	1/2		1/2		1/2	
3/4	2,355.91	3/4	1,977.91	3/4	1,599.91	3/4	1,223.70	3/4	846.08	3/4	468.81	3/4	130.90	3/4		3/4		3/4	
2	2,348.03	2	1,970.03	2	1,592.03	2	1,215.87	2	838.20	2	461.09	2	124.50	2		2		2	
1/4	2,340.16	1/4	1,962.16	1/4	1,584.16	1/4	1,208.04	1/4	830.33	1/4	453.47	1/4	118.22	1/4		1/4		1/4	
1/2	2,332.28	1/2	1,954.28	1/2	1,576.28	1/2	1,200.22	1/2	822.45	1/2	445.86	1/2	111.94	1/2		1/2		1/2	
3/4	2,324.41	3/4	1,946.41	3/4	1,568.41	3/4	1,192.39	3/4	814.58	3/4	438.24	3/4	105.65	3/4		3/4		3/4	
3	2,316.53	3	1,938.53	3	1,560.53	3	1,184.57	3	806.70	3	430.63	3	99.37	3		3		3	
1/4	2,308.66	1/4	1,930.66	1/4	1,552.67	1/4	1,176.72	1/4	798.83	1/4	423.12	1/4	93.22	1/4		1/4		1/4	
1/2	2,300.78	1/2	1,922.78	1/2	1,544.81	1/2	1,168.88	1/2	790.95	1/2	415.62	1/2	87.07	1/2		1/2		1/2	
3/4	2,292.91	3/4	1,914.91	3/4	1,536.94	3/4	1,161.04	3/4	783.08	3/4	408.11	3/4	80.91	3/4		3/4		3/4	
4	2,285.03	4	1,907.03	4	1,529.08	4	1,153.19	4	775.20	4	400.60	4	74.76	4		4		4	
1/4	2,277.16	1/4	1,899.16	1/4	1,521.23	1/4	1,145.32	1/4	767.33	1/4	393.21	1/4	68.75	1/4		1/4		1/4	
1/2	2,269.28	1/2	1,891.28	1/2	1,513.39	1/2	1,137.44	1/2	759.45	1/2	385.81	1/2	62.74	1/2		1/2		1/2	
3/4	2,261.41	3/4	1,883.41	3/4	1,505.54	3/4	1,129.57	3/4	751.58	3/4	378.42	3/4	56.73	3/4		3/4		3/4	
5	2,253.53	5	1,875.53	5	1,497.70	5	1,121.69	5	743.70	5	371.02	5	50.72	5		5		5	
1/4	2,245.66	1/4	1,867.66	1/4	1,489.86	1/4	1,113.82	1/4	735.83	1/4	363.73	1/4	45.30	1/4		1/4		1/4	
1/2	2,237.78	1/2	1,859.78	1/2	1,482.02	1/2	1,105.94	1/2	727.95	1/2	356.45	1/2	39.88	1/2		1/2		1/2	
3/4	2,229.91	3/4	1,851.91	3/4	1,474.17	3/4	1,098.07	3/4	720.08	3/4	349.16	3/4	34.47	3/4		3/4		3/4	
6	2,222.03	6	1,844.03	6	1,466.33	6	1,090.19	6	712.20	6	341.87	6	29.05	6		6		6	
1/4	2,214.16	1/4	1,836.16	1/4	1,458.50	1/4	1,082.32	1/4	704.33	1/4	334.70	1/4	25.08	1/4		1/4		1/4	
1/2	2,206.28	1/2	1,828.28	1/2	1,450.67	1/2	1,074.45	1/2	696.45	1/2	327.52	1/2	21.12	1/2		1/2		1/2	
3/4	2,198.41	3/4	1,820.41	3/4	1,442.84	3/4	1,066.57	3/4	688.58	3/4	320.34	3/4	17.15	3/4		3/4		3/4	
7	2,190.53	7	1,812.53	7	1,435.00	7	1,058.70	7	680.71	7	313.16	7	13.19	7		7		7	
1/4	2,182.66	1/4	1,804.66	1/4	1,427.17	1/4	1,050.82	1/4	672.83	1/4	306.10	1/4		1/4		1/4		1/4	
1/2	2,174.78	1/2	1,796.78	1/2	1,419.34	1/2	1,042.95	1/2	664.96	1/2	299.03	1/2		1/2		1/2		1/2	
3/4	2,166.91	3/4	1,788.91	3/4	1,411.51	3/4	1,035.07	3/4	657.08	3/4	291.96	3/4		3/4		3/4		3/4	
8	2,159.03	8	1,781.03	8	1,403.68	8	1,027.20	8	649.21	8	284.89	8		8		8		8	
1/4	2,151.16	1/4	1,773.16	1/4	1,395.86	1/4	1,019.32	1/4	641.33	1/4	277.93	1/4		1/4		1/4		1/4	
1/2	2,143.28	1/2	1,765.28	1/2	1,388.03	1/2	1,011.45	1/2	633.46	1/2	270.98	1/2		1/2		1/2		1/2	
3/4	2,135.41	3/4	1,757.41	3/4	1,380.21	3/4	1,003.57	3/4	625.58	3/4	264.02	3/4		3/4		3/4		3/4	
9	2,127.53	9	1,749.53	9	1,372.38	9	995.70	9	617.71	9	257.06	9		9		9		9	
1/4	2,119.66	1/4	1,741.66	1/4	1,364.56	1/4	987.82	1/4	609.83	1/4	250.21	1/4		1/4		1/4		1/4	
1/2	2,111.78	1/2	1,733.78	1/2	1,356.73	1/2	979.95	1/2	601.96	1/2	243.36	1/2		1/2		1/2		1/2	
3/4	2,103.91	3/4	1,725.91	3/4	1,348.90	3/4	972.07	3/4	594.08	3/4	236.51	3/4		3/4		3/4		3/4	
10	2,096.03	10	1,718.03	10	1,341.08	10	964.20	10	586.21	10	229.66	10		10		10		10	
1/4	2,088.16	1/4	1,710.16	1/4	1,333.25	1/4	956.32	1/4	578.33	1/4	222.92	1/4		1/4		1/4		1/4	
1/2	2,080.28	1/2	1,702.28	1/2	1,325.43	1/2	948.45	1/2	570.46	1/2	216.18	1/2		1/2		1/2		1/2	
3/4	2,072.41	3/4	1,694.41	3/4	1,317.60	3/4	940.57	3/4	562.58	3/4	209.44	3/4		3/4		3/4		3/4	
11	2,064.53	11	1,686.53	11	1,309.78	11	932.70	11	554.71	11	202.70	11		11		11		11	
1/4	2,056.66	1/4	1,678.66	1/4	1,301.95	1/4	924.82	1/4	546.84	1/4	196.07	1/4		1/4		1/4		1/4	
1/2	2,048.78	1/2	1,670.78	1/2	1,294.13	1/2	916.95	1/2	538.98	1/2	189.44	1/2		1/2		1/2		1/2	
3/4	2,040.91	3/4	1,662.91	3/4	1,286.30	3/4	909.07	3/4	531.11	3/4	182.81	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2012 CL - SW
CALCULATED: 03/31/2012 CL
PRINTED: 03/31/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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



BARGE "KIRBY 28186"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	4,948.67	1/4	4,613.15	1/4	4,273.33	1/4	3,917.02	1/4	3,544.92	1/4	3,168.45	1/4	2,790.49		
1/2		1/2		1/2		1/2	4,942.00	1/2	4,606.23	1/2	4,266.06	1/2	3,909.41	1/2	3,537.08	1/2	3,160.57	1/2	2,782.62		
3/4		3/4		3/4		3/4	4,935.32	3/4	4,599.31	3/4	4,258.80	3/4	3,901.79	3/4	3,529.24	3/4	3,152.70	3/4	2,774.74		
1	1	1	1	1	1	1	4,928.64	1	4,592.39	1	4,251.53	1	3,894.18	1	3,521.41	1	3,144.83	1	2,766.87		
1/4		1/4		1/4		1/4	4,921.97	1/4	4,585.47	1/4	4,244.27	1/4	3,886.57	1/4	3,513.57	1/4	3,136.95	1/4	2,759.00		
1/2		1/2		1/2		1/2	4,914.36	1/2	4,578.52	1/2	4,236.98	1/2	3,878.93	1/2	3,505.73	1/2	3,129.08	1/2	2,751.12		
3/4		3/4		3/4		3/4	4,906.75	3/4	4,571.57	3/4	4,229.68	3/4	3,871.29	3/4	3,497.89	3/4	3,121.20	3/4	2,743.25		
2	2	2	2	2	2	2	4,899.14	2	4,564.62	2	4,222.39	2	3,863.66	2	3,490.05	2	3,113.33	2	2,735.37		
1/4		1/4		1/4		1/4	4,891.53	1/4	4,557.67	1/4	4,215.10	1/4	3,856.02	1/4	3,482.21	1/4	3,105.46	1/4	2,727.50		
1/2		1/2		1/2		1/2	4,883.69	1/2	4,550.69	1/2	4,207.78	1/2	3,848.36	1/2	3,474.37	1/2	3,097.58	1/2	2,719.63		
3/4		3/4		3/4		3/4	4,875.85	3/4	4,543.72	3/4	4,200.46	3/4	3,840.69	3/4	3,466.53	3/4	3,089.71	3/4	2,711.75		
3	3	3	3	3	3	3	4,868.01	3	4,536.74	3	4,193.13	3	3,833.03	3	3,458.69	3	3,081.83	3	2,703.88		
1/4		1/4		1/4		1/4	4,860.17	1/4	4,529.76	1/4	4,185.81	1/4	3,825.36	1/4	3,450.85	1/4	3,073.96	1/4	2,696.00		
1/2		1/2		1/2		1/2	4,852.77	1/2	4,522.75	1/2	4,178.46	1/2	3,817.67	1/2	3,443.01	1/2	3,066.09	1/2	2,688.13		
3/4		3/4		3/4		3/4	4,845.36	3/4	4,515.75	3/4	4,171.11	3/4	3,809.97	3/4	3,435.17	3/4	3,058.21	3/4	2,680.25		
4	4	4	4	4	4	4	4,837.96	4	4,508.74	4	4,163.76	4	3,802.28	4	3,427.33	4	3,050.34	4	2,672.38		
1/4		1/4		1/4		1/4	4,830.55	1/4	4,501.73	1/4	4,156.41	1/4	3,794.58	1/4	3,419.50	1/4	3,042.46	1/4	2,664.51		
1/2		1/2		1/2		1/2	4,823.86	1/2	4,494.70	1/2	4,149.03	1/2	3,786.86	1/2	3,411.66	1/2	3,034.59	1/2	2,656.63		
3/4		3/4		3/4		3/4	4,817.16	3/4	4,487.66	3/4	4,141.65	3/4	3,779.14	3/4	3,403.82	3/4	3,026.72	3/4	2,648.76		
5	5	5	5	5	5	5	4,810.47	5	4,480.63	5	4,134.27	5	3,771.41	5	3,395.98	5	3,018.84	5	2,640.88		
1/4		1/4		1/4		1/4	4,803.78	1/4	4,473.59	1/4	4,126.89	1/4	3,763.69	1/4	3,388.14	1/4	3,010.97	1/4	2,633.01		
1/2		1/2		1/2		1/2	4,797.06	1/2	4,466.52	1/2	4,119.48	1/2	3,755.94	1/2	3,380.30	1/2	3,003.09	1/2	2,625.14		
3/4		3/4		3/4		3/4	4,790.34	3/4	4,459.46	3/4	4,112.08	3/4	3,748.19	3/4	3,372.46	3/4	2,995.22	3/4	2,617.26		
6	6	6	6	6	6	6	4,783.62	6	4,452.39	6	4,104.67	6	3,740.43	6	3,364.62	6	2,987.34	6	2,609.39		
1/4		1/4		1/4		1/4	4,776.89	1/4	4,445.33	1/4	4,097.26	1/4	3,732.68	1/4	3,356.78	1/4	2,979.47	1/4	2,601.51		
1/2		1/2		1/2		1/2	4,770.14	1/2	4,438.24	1/2	4,089.82	1/2	3,724.90	1/2	3,348.94	1/2	2,971.60	1/2	2,593.64		
3/4		3/4		3/4		3/4	4,763.39	3/4	4,431.14	3/4	4,082.38	3/4	3,717.12	3/4	3,341.10	3/4	2,963.72	3/4	2,585.77		
7	7	7	7	7	7	7	4,756.64	7	4,424.05	7	4,074.95	7	3,709.34	7	3,333.26	7	2,955.85	7	2,577.89		
1/4		1/4		1/4		1/4	4,749.89	1/4	4,416.96	1/4	4,067.51	1/4	3,701.56	1/4	3,325.43	1/4	2,947.97	1/4	2,570.02		
1/2		1/2		1/2		1/2	4,743.11	1/2	4,409.83	1/2	4,060.04	1/2	3,693.75	1/2	3,317.59	1/2	2,940.10	1/2	2,562.14		
3/4		3/4		3/4		3/4	4,736.33	3/4	4,402.71	3/4	4,052.58	3/4	3,685.94	3/4	3,309.75	3/4	2,932.23	3/4	2,554.27		
8	8	8	8	8	8	8	4,729.55	8	4,395.58	8	4,045.11	8	3,678.13	8	3,301.91	8	2,924.35	8	2,546.39		
1/4		1/4		1/4		1/4	4,722.77	1/4	4,388.46	1/4	4,037.65	1/4	3,670.32	1/4	3,294.07	1/4	2,916.48	1/4	2,538.52		
1/2		1/2		1/2		1/2	4,715.96	1/2	4,381.31	1/2	4,030.15	1/2	3,662.49	1/2	3,286.23	1/2	2,908.60	1/2	2,530.65		
3/4		3/4		3/4		3/4	4,709.15	3/4	4,374.16	3/4	4,022.65	3/4	3,654.66	3/4	3,278.39	3/4	2,900.73	3/4	2,522.77		
9	9	9	9	9	9	9	4,702.34	9	4,367.01	9	4,015.16	9	3,646.82	9	3,270.55	9	2,892.86	9	2,514.90		
1/4		1/4		1/4		1/4	4,695.54	1/4	4,359.85	1/4	4,007.66	1/4	3,638.99	1/4	3,262.71	1/4	2,884.98	1/4	2,507.02		
1/2		1/2		1/2		1/2	4,688.70	1/2	4,352.67	1/2	4,000.14	1/2	3,631.15	1/2	3,254.87	1/2	2,877.11	1/2	2,499.15		
3/4		3/4		3/4		3/4	4,681.86	3/4	4,345.49	3/4	3,992.61	3/4	3,623.31	3/4	3,247.03	3/4	2,869.23	3/4	2,491.28		
10	10	10	10	10	10	10	4,675.02	10	4,338.31	10	3,985.09	10	3,615.48	10	3,239.19	10	2,861.36	10	2,483.40		
1/4		1/4		1/4		1/4	4,668.19	1/4	4,331.13	1/4	3,977.57	1/4	3,607.64	1/4	3,231.35	1/4	2,853.48	1/4	2,475.53		
1/2		1/2		1/2		1/2	4,661.32	1/2	4,323.92	1/2	3,970.01	1/2	3,599.80	1/2	3,223.50	1/2	2,845.61	1/2	2,467.65		
3/4		3/4		3/4		3/4	4,654.45	3/4	4,316.71	3/4	3,962.46	3/4	3,591.96	3/4	3,215.65	3/4	2,837.74	3/4	2,459.78		
11	11	11	11	11	11	11	4,647.58	11	4,309.50	11	3,954.90	11	3,584.12	11	3,207.80	11	2,829.86	11	2,451.91		
1/4		1/4		1/4		1/4	4,640.71	1/4	4,302.29	1/4	3,947.35	1/4	3,576.28	1/4	3,199.95	1/4	2,821.99	1/4	2,444.03		
1/2		1/2		1/2		1/2	4,633.82	1/2	4,295.05	1/2	3,939.77	1/2	3,568.44	1/2	3,192.07	1/2	2,814.11	1/2	2,436.16		
3/4		3/4		3/4		3/4	4,959.43	3/4	4,626.93	3/4	4,287.81	3/4	3,932.18	3/4	3,560.60	3/4	3,184.20	3/4	2,428.28		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28186"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,420.41		2,042.45		1,664.50		1,286.54		908.88		531.05		182.79								
1/4	2,412.54	1/4	2,034.58	1/4	1,656.62	1/4	1,278.66	1/4	901.02	1/4	523.19	1/4	176.16	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,404.66	1/2	2,026.70	1/2	1,648.75	1/2	1,270.79	1/2	893.16	1/2	515.37	1/2	169.65	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,396.79	3/4	2,018.83	3/4	1,640.87	3/4	1,262.92	3/4	885.29	3/4	507.56	3/4	163.13	3/4	3/4	3/4	3/4	3/4	3/4		
1	2,388.91	1	2,010.96	1	1,633.00	1	1,255.04	1	877.43	1	499.74	1	156.61	1	1	1	1	1	1		
1/4	2,381.04	1/4	2,003.08	1/4	1,625.13	1/4	1,247.17	1/4	869.57	1/4	491.93	1/4	150.09	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,373.16	1/2	1,995.21	1/2	1,617.25	1/2	1,239.29	1/2	861.70	1/2	484.20	1/2	143.69	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,365.29	3/4	1,987.33	3/4	1,609.38	3/4	1,231.42	3/4	853.84	3/4	476.48	3/4	137.29	3/4	3/4	3/4	3/4	3/4	3/4		
2	2,357.42	2	1,979.46	2	1,601.50	2	1,223.55	2	845.97	2	468.76	2	130.89	2	2	2	2	2	2		
1/4	2,349.54	1/4	1,971.59	1/4	1,593.63	1/4	1,215.67	1/4	838.11	1/4	461.03	1/4	124.48	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,341.67	1/2	1,963.71	1/2	1,585.75	1/2	1,207.80	1/2	830.23	1/2	453.42	1/2	118.20	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,333.79	3/4	1,955.84	3/4	1,577.88	3/4	1,199.92	3/4	822.36	3/4	445.81	3/4	111.92	3/4	3/4	3/4	3/4	3/4	3/4		
3	2,325.92	3	1,947.96	3	1,570.01	3	1,192.05	3	814.48	3	438.19	3	105.64	3	3	3	3	3	3		
1/4	2,318.05	1/4	1,940.09	1/4	1,562.13	1/4	1,184.18	1/4	806.61	1/4	430.58	1/4	99.36	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,310.17	1/2	1,932.22	1/2	1,554.26	1/2	1,176.30	1/2	798.74	1/2	423.07	1/2	93.21	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,302.30	3/4	1,924.34	3/4	1,546.38	3/4	1,168.43	3/4	790.86	3/4	415.57	3/4	87.06	3/4	3/4	3/4	3/4	3/4	3/4		
4	2,294.42	4	1,916.47	4	1,538.51	4	1,160.55	4	782.99	4	408.06	4	80.91	4	4	4	4	4	4		
1/4	2,286.55	1/4	1,908.59	1/4	1,530.64	1/4	1,152.68	1/4	775.11	1/4	400.56	1/4	74.75	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,278.68	1/2	1,900.72	1/2	1,522.76	1/2	1,144.81	1/2	767.24	1/2	393.16	1/2	68.74	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,270.80	3/4	1,892.84	3/4	1,514.89	3/4	1,136.93	3/4	759.37	3/4	385.77	3/4	62.73	3/4	3/4	3/4	3/4	3/4	3/4		
5	2,262.93	5	1,884.97	5	1,507.01	5	1,129.06	5	751.49	5	378.37	5	56.72	5	5	5	5	5	5		
1/4	2,255.05	1/4	1,877.10	1/4	1,499.14	1/4	1,121.18	1/4	743.62	1/4	370.98	1/4	50.71	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,247.18	1/2	1,869.22	1/2	1,491.27	1/2	1,113.31	1/2	735.74	1/2	363.69	1/2	45.30	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,239.31	3/4	1,861.35	3/4	1,483.39	3/4	1,105.44	3/4	727.87	3/4	356.41	3/4	39.88	3/4	3/4	3/4	3/4	3/4	3/4		
6	2,231.43	6	1,853.47	6	1,475.52	6	1,097.58	6	720.00	6	349.12	6	34.46	6	6	6	6	6	6		
1/4	2,223.56	1/4	1,845.60	1/4	1,467.64	1/4	1,089.71	1/4	712.12	1/4	341.83	1/4	29.04	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,215.68	1/2	1,837.73	1/2	1,459.77	1/2	1,081.84	1/2	704.25	1/2	334.66	1/2	25.08	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,207.81	3/4	1,829.85	3/4	1,451.90	3/4	1,073.98	3/4	696.38	3/4	327.48	3/4	21.12	3/4	3/4	3/4	3/4	3/4	3/4		
7	2,199.93	7	1,821.98	7	1,444.02	7	1,066.12	7	688.50	7	320.30	7	17.15	7	7	7	7	7	7		
1/4	2,192.06	1/4	1,814.10	1/4	1,436.15	1/4	1,058.26	1/4	680.63	1/4	313.13	1/4	13.19	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,184.19	1/2	1,806.23	1/2	1,428.27	1/2	1,050.40	1/2	672.75	1/2	306.06	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,176.31	3/4	1,798.36	3/4	1,420.40	3/4	1,042.53	3/4	664.88	3/4	298.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
8	2,168.44	8	1,790.48	8	1,412.52	8	1,034.67	8	657.01	8	291.93	8		8	8	8	8	8	8		
1/4	2,160.56	1/4	1,782.61	1/4	1,404.65	1/4	1,026.81	1/4	649.13	1/4	284.86	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,152.69	1/2	1,774.73	1/2	1,396.78	1/2	1,018.95	1/2	641.26	1/2	277.90	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,144.82	3/4	1,766.86	3/4	1,388.90	3/4	1,011.09	3/4	633.38	3/4	270.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
9	2,136.94	9	1,758.98	9	1,381.03	9	1,003.22	9	625.51	9	263.99	9		9	9	9	9	9	9		
1/4	2,129.07	1/4	1,751.11	1/4	1,373.15	1/4	995.36	1/4	617.64	1/4	257.03	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,121.19	1/2	1,743.24	1/2	1,365.28	1/2	987.50	1/2	609.76	1/2	250.18	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,113.32	3/4	1,735.36	3/4	1,357.41	3/4	979.64	3/4	601.89	3/4	243.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
10	2,105.45	10	1,727.49	10	1,349.53	10	971.78	10	594.01	10	236.48	10		10	10	10	10	10	10		
1/4	2,097.57	1/4	1,719.61	1/4	1,341.66	1/4	963.91	1/4	586.14	1/4	229.64	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,089.70	1/2	1,711.74	1/2	1,333.78	1/2	956.05	1/2	578.27	1/2	222.90	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,081.82	3/4	1,703.87	3/4	1,325.91	3/4	948.19	3/4	570.39	3/4	216.16	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
11	2,073.95	11	1,695.99	11	1,318.04	11	940.33	11	562.52	11	209.42	11		11	11	11	11	11	11		
1/4	2,066.07	1/4	1,688.12	1/4	1,310.16	1/4	932.47	1/4	554.64	1/4	202.68	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,058.20	1/2	1,680.24	1/2	1,302.29	1/2	924.60	1/2	546.78	1/2	196.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,050.33	3/4	1,672.37	3/4	1,294.41	3/4	916.74	3/4	538.92	3/4	189.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2012 CL - SW
CALCULATED: 03/31/2012 CL
PRINTED: 03/31/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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



BARGE "KIRBY 28186"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,767.27		4,450.16		4,126.62		3,787.94		3,434.63		3,076.88		2,717.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,762.16	1/4	4,443.58	1/4	4,119.72	1/4	3,780.72	1/4	3,427.18	1/4	3,069.39	1/4	2,710.22		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,757.05	1/2	4,437.00	1/2	4,112.81	1/2	3,773.51	1/2	3,419.73	1/2	3,061.91	1/2	2,702.74		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,750.70	3/4	4,430.39	3/4	4,105.89	3/4	3,766.27	3/4	3,412.27	3/4	3,054.43	3/4	2,695.26		
1	1	1	1	1	1	1	4,423.36	1	4,098.97	1	4,098.97	1	3,759.02	1	3,404.82	1	3,046.94	1	2,687.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,738.02	1/4	4,417.18	1/4	4,092.04	1/4	3,751.78	1/4	3,397.37	1/4	3,039.46	1/4	2,680.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,731.67	1/2	4,410.57	1/2	4,085.12	1/2	3,744.54	1/2	3,389.92	1/2	3,031.98	1/2	2,672.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,724.44	3/4	4,403.94	3/4	4,078.17	3/4	3,737.27	3/4	3,382.47	3/4	3,024.50	3/4	2,665.33		
2	2	2	2	2	2	2	4,717.21	2	4,397.30	2	4,071.22	2	3,730.01	2	3,375.02	2	3,017.01	2	2,657.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,709.98	1/4	4,390.67	1/4	4,064.27	1/4	3,722.74	1/4	3,367.57	1/4	3,009.53	1/4	2,650.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,702.75	1/2	4,384.03	1/2	4,057.33	1/2	3,715.48	1/2	3,360.12	1/2	3,002.05	1/2	2,642.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,695.30	3/4	4,377.37	3/4	4,050.35	3/4	3,708.19	3/4	3,352.67	3/4	2,994.57	3/4	2,635.40		
3	3	3	3	3	3	3	4,687.85	3	4,370.71	3	4,043.37	3	3,700.90	3	3,345.22	3	2,987.08	3	2,627.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,680.40	1/4	4,364.05	1/4	4,036.40	1/4	3,693.61	1/4	3,337.77	1/4	2,979.60	1/4	2,620.43		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,672.95	1/2	4,357.39	1/2	4,029.42	1/2	3,686.31	1/2	3,330.32	1/2	2,972.12	1/2	2,612.95		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,665.90	3/4	4,350.71	3/4	4,022.42	3/4	3,679.00	3/4	3,322.87	3/4	2,964.63	3/4	2,605.47		
4	4	4	4	4	4	4	4,658.84	4	4,344.02	4	4,015.42	4	3,671.68	4	3,315.42	4	2,957.15	4	2,597.98		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,651.79	1/4	4,337.33	1/4	4,008.41	1/4	3,664.36	1/4	3,307.97	1/4	2,949.67	1/4	2,590.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,644.74	1/2	4,330.64	1/2	4,001.41	1/2	3,657.04	1/2	3,300.52	1/2	2,942.19	1/2	2,583.02		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,638.34	3/4	4,323.93	3/4	3,994.38	3/4	3,649.70	3/4	3,293.07	3/4	2,934.70	3/4	2,575.53		
5	5	5	5	5	5	5	4,631.94	5	4,317.22	5	3,987.35	5	3,642.36	5	3,285.61	5	2,927.22	5	2,568.05		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,625.54	1/4	4,310.50	1/4	3,980.33	1/4	3,635.01	1/4	3,278.16	1/4	2,919.74	1/4	2,560.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,619.14	1/2	4,303.79	1/2	3,973.30	1/2	3,627.67	1/2	3,270.71	1/2	2,912.26	1/2	2,553.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,612.72	3/4	4,297.05	3/4	3,966.24	3/4	3,620.30	3/4	3,263.26	3/4	2,904.77	3/4	2,545.60		
6	6	6	6	6	6	6	4,606.29	6	4,290.31	6	3,959.19	6	3,612.93	6	3,255.81	6	2,897.29	6	2,538.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,599.87	1/4	4,283.57	1/4	3,952.13	1/4	3,605.56	1/4	3,248.36	1/4	2,889.81	1/4	2,530.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,593.44	1/2	4,276.83	1/2	3,945.08	1/2	3,598.18	1/2	3,240.91	1/2	2,882.32	1/2	2,523.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,586.99	3/4	4,270.06	3/4	3,937.99	3/4	3,590.79	3/4	3,233.46	3/4	2,874.84	3/4	2,515.67		
7	7	7	7	7	7	7	4,580.54	7	4,263.29	7	3,930.91	7	3,583.39	7	3,226.01	7	2,867.36	7	2,508.19		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,574.08	1/4	4,256.53	1/4	3,923.83	1/4	3,575.99	1/4	3,218.56	1/4	2,859.88	1/4	2,500.71		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,567.63	1/2	4,249.76	1/2	3,916.75	1/2	3,568.60	1/2	3,211.11	1/2	2,852.39	1/2	2,493.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,561.15	3/4	4,242.97	3/4	3,909.64	3/4	3,561.17	3/4	3,203.66	3/4	2,844.91	3/4	2,485.74		
8	8	8	8	8	8	8	4,554.67	8	4,236.17	8	3,902.53	8	3,553.75	8	3,196.21	8	2,837.43	8	2,478.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,548.20	1/4	4,229.38	1/4	3,895.42	1/4	3,546.33	1/4	3,188.76	1/4	2,829.95	1/4	2,470.78		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,541.72	1/2	4,222.58	1/2	3,888.31	1/2	3,538.90	1/2	3,181.31	1/2	2,822.46	1/2	2,463.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,535.21	3/4	4,215.76	3/4	3,881.18	3/4	3,531.46	3/4	3,173.86	3/4	2,814.98	3/4	2,455.81		
9	9	9	9	9	9	9	4,528.70	9	4,208.94	9	3,874.04	9	3,524.02	9	3,166.40	9	2,807.50	9	2,448.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,522.20	1/4	4,202.12	1/4	3,866.91	1/4	3,516.57	1/4	3,158.95	1/4	2,800.02	1/4	2,440.85		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,515.69	1/2	4,195.30	1/2	3,859.77	1/2	3,509.13	1/2	3,151.50	1/2	2,792.53	1/2	2,433.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,509.16	3/4	4,188.46	3/4	3,852.61	3/4	3,501.68	3/4	3,144.05	3/4	2,785.05	3/4	2,425.88		
10	10	10	10	10	10	10	4,502.63	10	4,181.61	10	3,845.45	10	3,494.23	10	3,136.60	10	2,777.57	10	2,418.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,496.10	1/4	4,174.76	1/4	3,838.29	1/4	3,486.78	1/4	3,129.15	1/4	2,770.08	1/4	2,410.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,489.57	1/2	4,167.91	1/2	3,831.13	1/2	3,479.33	1/2	3,121.70	1/2	2,762.60	1/2	2,403.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,483.01	3/4	4,161.04	3/4	3,823.94	3/4	3,471.88	3/4	3,114.24	3/4	2,755.12	3/4	2,395.95		
11	11	11	11	11	11	11	4,476.45	11	4,154.17	11	3,816.75	11	3,464.43	11	3,106.77	11	2,747.64	11	2,388.47		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,469.89	1/4	4,147.29	1/4	3,809.56	1/4	3,456.98	1/4	3,099.31	1/4	2,740.15	1/4	2,380.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,463.33	1/2	4,140.42	1/2	3,802.37	1/2	3,449.53	1/2	3,091.84	1/2	2,732.67	1/2	2,373.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,456.74	3/4	4,133.52	3/4	3,795.15	3/4	3,442.08	3/4	3,084.36	3/4	2,725.19	3/4	2,366.02		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28186"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,358.54	0	1,999.37	0	1,640.20	0	1,289.94	0	945.00	0	587.20	0	228.04	0		0		0	
1/4	2,351.05	1/4	1,991.88	1/4	1,632.71	1/4	1,282.74	1/4	937.82	1/4	579.72	1/4	220.56	1/4	1/4	1/4		1/4	
1/2	2,343.57	1/2	1,984.40	1/2	1,625.23	1/2	1,275.54	1/2	930.64	1/2	572.24	1/2	213.08	1/2	1/2	1/2		1/2	
3/4	2,336.09	3/4	1,976.92	3/4	1,617.75	3/4	1,268.34	3/4	923.35	3/4	564.75	3/4	205.60	3/4	3/4	3/4		3/4	
1	2,328.61	1	1,969.44	1	1,610.27	1	1,261.14	1	916.05	1	557.27	1	198.12	1	1	1		1	
1/4	2,321.12	1/4	1,961.95	1/4	1,602.78	1/4	1,253.94	1/4	908.76	1/4	549.79	1/4	190.64	1/4	1/4	1/4		1/4	
1/2	2,313.64	1/2	1,954.47	1/2	1,595.30	1/2	1,246.74	1/2	901.47	1/2	542.31	1/2	183.15	1/2	1/2	1/2		1/2	
3/4	2,306.16	3/4	1,946.99	3/4	1,587.82	3/4	1,239.54	3/4	893.98	3/4	534.82	3/4	175.68	3/4	3/4	3/4		3/4	
2	2,298.67	2	1,939.50	2	1,580.34	2	1,232.34	2	886.50	2	527.34	2	168.21	2	2	2		2	
1/4	2,291.19	1/4	1,932.02	1/4	1,572.85	1/4	1,225.14	1/4	879.02	1/4	519.86	1/4	160.73	1/4	1/4	1/4		1/4	
1/2	2,283.71	1/2	1,924.54	1/2	1,565.37	1/2	1,217.94	1/2	871.54	1/2	512.38	1/2	153.26	1/2	1/2	1/2		1/2	
3/4	2,276.23	3/4	1,917.06	3/4	1,557.89	3/4	1,210.75	3/4	864.05	3/4	504.89	3/4	145.80	3/4	3/4	3/4		3/4	
3	2,268.74	3	1,909.57	3	1,550.40	3	1,203.55	3	856.57	3	497.41	3	138.33	3	3	3		3	
1/4	2,261.26	1/4	1,902.09	1/4	1,542.92	1/4	1,196.36	1/4	849.09	1/4	489.93	1/4	130.87	1/4	1/4	1/4		1/4	
1/2	2,253.78	1/2	1,894.61	1/2	1,535.44	1/2	1,189.16	1/2	841.61	1/2	482.45	1/2	123.41	1/2	1/2	1/2		1/2	
3/4	2,246.30	3/4	1,887.13	3/4	1,528.06	3/4	1,181.98	3/4	834.12	3/4	474.96	3/4	115.96	3/4	3/4	3/4		3/4	
4	2,238.81	4	1,879.64	4	1,520.68	4	1,174.79	4	826.64	4	467.48	4	108.52	4	4	4		4	
1/4	2,231.33	1/4	1,872.16	1/4	1,513.31	1/4	1,167.60	1/4	819.16	1/4	460.00	1/4	101.07	1/4	1/4	1/4		1/4	
1/2	2,223.85	1/2	1,864.68	1/2	1,505.93	1/2	1,160.41	1/2	811.68	1/2	452.52	1/2	93.63	1/2	1/2	1/2		1/2	
3/4	2,216.36	3/4	1,857.20	3/4	1,498.73	3/4	1,153.23	3/4	804.19	3/4	445.03	3/4	86.21	3/4	3/4	3/4		3/4	
5	2,208.88	5	1,849.71	5	1,491.53	5	1,146.05	5	796.71	5	437.55	5	78.80	5	5	5		5	
1/4	2,201.40	1/4	1,842.23	1/4	1,484.33	1/4	1,138.86	1/4	789.23	1/4	430.07	1/4	71.39	1/4	1/4	1/4		1/4	
1/2	2,193.92	1/2	1,834.75	1/2	1,477.13	1/2	1,131.68	1/2	781.75	1/2	422.59	1/2	63.97	1/2	1/2	1/2		1/2	
3/4	2,186.43	3/4	1,827.26	3/4	1,469.93	3/4	1,124.50	3/4	774.26	3/4	415.10	3/4	57.02	3/4	3/4	3/4		3/4	
6	2,178.95	6	1,819.78	6	1,462.73	6	1,117.32	6	766.78	6	407.62	6	50.07	6	6	6		6	
1/4	2,171.47	1/4	1,812.30	1/4	1,455.53	1/4	1,110.14	1/4	759.30	1/4	400.14	1/4	43.11	1/4	1/4	1/4		1/4	
1/2	2,163.99	1/2	1,804.82	1/2	1,448.33	1/2	1,102.96	1/2	751.82	1/2	392.66	1/2	36.16	1/2	1/2	1/2		1/2	
3/4	2,156.50	3/4	1,797.33	3/4	1,441.13	3/4	1,095.78	3/4	744.33	3/4	385.17	3/4	30.86	3/4	3/4	3/4		3/4	
7	2,149.02	7	1,789.85	7	1,433.93	7	1,088.60	7	736.85	7	377.69	7	25.56	7	7	7		7	
1/4	2,141.54	1/4	1,782.37	1/4	1,426.73	1/4	1,081.42	1/4	729.37	1/4	370.21	1/4	20.26	1/4	1/4	1/4		1/4	
1/2	2,134.05	1/2	1,774.89	1/2	1,419.53	1/2	1,074.24	1/2	721.89	1/2	362.73	1/2	14.97	1/2	1/2	1/2		1/2	
3/4	2,126.57	3/4	1,767.40	3/4	1,412.33	3/4	1,067.06	3/4	714.40	3/4	355.24	3/4		3/4	3/4	3/4		3/4	
8	2,119.09	8	1,759.92	8	1,405.14	8	1,059.88	8	706.92	8	347.76	8		8	8	8		8	
1/4	2,111.61	1/4	1,752.44	1/4	1,397.94	1/4	1,052.70	1/4	699.44	1/4	340.28	1/4		1/4	1/4	1/4		1/4	
1/2	2,104.12	1/2	1,744.95	1/2	1,390.74	1/2	1,045.52	1/2	691.96	1/2	332.80	1/2		1/2	1/2	1/2		1/2	
3/4	2,096.64	3/4	1,737.47	3/4	1,383.54	3/4	1,038.34	3/4	684.47	3/4	325.31	3/4		3/4	3/4	3/4		3/4	
9	2,089.16	9	1,729.99	9	1,376.34	9	1,031.16	9	676.99	9	317.83	9		9	9	9		9	
1/4	2,081.68	1/4	1,722.51	1/4	1,369.14	1/4	1,023.98	1/4	669.51	1/4	310.35	1/4		1/4	1/4	1/4		1/4	
1/2	2,074.19	1/2	1,715.02	1/2	1,361.94	1/2	1,016.80	1/2	662.03	1/2	302.87	1/2		1/2	1/2	1/2		1/2	
3/4	2,066.71	3/4	1,707.54	3/4	1,354.74	3/4	1,009.62	3/4	654.54	3/4	295.38	3/4		3/4	3/4	3/4		3/4	
10	2,059.23	10	1,700.06	10	1,347.54	10	1,002.44	10	647.06	10	287.90	10		10	10	10		10	
1/4	2,051.75	1/4	1,692.58	1/4	1,340.34	1/4	995.26	1/4	639.58	1/4	280.42	1/4		1/4	1/4	1/4		1/4	
1/2	2,044.26	1/2	1,685.09	1/2	1,333.14	1/2	988.08	1/2	632.10	1/2	272.94	1/2		1/2	1/2	1/2		1/2	
3/4	2,036.78	3/4	1,677.61	3/4	1,325.94	3/4	980.90	3/4	624.61	3/4	265.45	3/4		3/4	3/4	3/4		3/4	
11	2,029.30	11	1,670.13	11	1,318.74	11	973.72	11	617.13	11	257.97	11		11	11	11		11	
1/4	2,021.81	1/4	1,662.64	1/4	1,311.54	1/4	966.54	1/4	609.65	1/4	250.49	1/4		1/4	1/4	1/4		1/4	
1/2	2,014.33	1/2	1,655.16	1/2	1,304.34	1/2	959.36	1/2	602.17	1/2	243.01	1/2		1/2	1/2	1/2		1/2	
3/4	2,006.85	3/4	1,647.68	3/4	1,297.14	3/4	952.18	3/4	594.68	3/4	235.52	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2012 CL - SW
CALCULATED: 03/31/2012 CL
PRINTED: 03/31/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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



BARGE "KIRBY 28186"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,790.82	0	4,473.75	0	4,150.24	0	3,811.60	0	3,458.33	0	3,100.65	0	2,741.52
1/4		1/4		1/4		1/4	4,785.71	1/4	4,467.17	1/4	4,143.34	1/4	3,804.39	1/4	3,450.88	1/4	3,093.17	1/4	2,734.04
1/2		1/2		1/2		1/2	4,780.60	1/2	4,460.59	1/2	4,136.44	1/2	3,797.17	1/2	3,443.43	1/2	3,085.68	1/2	2,726.55
3/4		3/4		3/4		3/4	4,774.25	3/4	4,453.98	3/4	4,129.52	3/4	3,789.93	3/4	3,435.98	3/4	3,078.20	3/4	2,719.07
1		1		1		1	4,767.91	1	4,447.37	1	4,122.59	1	3,782.69	1	3,428.53	1	3,070.72	1	2,711.59
1/4		1/4		1/4		1/4	4,761.57	1/4	4,440.77	1/4	4,115.67	1/4	3,775.45	1/4	3,421.08	1/4	3,063.24	1/4	2,704.11
1/2		1/2		1/2		1/2	4,755.22	1/2	4,434.16	1/2	4,108.75	1/2	3,768.21	1/2	3,413.63	1/2	3,055.76	1/2	2,696.63
3/4		3/4		3/4		3/4	4,747.99	3/4	4,427.53	3/4	4,101.80	3/4	3,760.94	3/4	3,406.19	3/4	3,048.27	3/4	2,689.14
2		2		2		2	4,740.76	2	4,420.89	2	4,094.85	2	3,753.68	2	3,398.74	2	3,040.79	2	2,681.66
1/4		1/4		1/4		1/4	4,733.53	1/4	4,414.26	1/4	4,087.91	1/4	3,746.41	1/4	3,391.29	1/4	3,033.31	1/4	2,674.18
1/2		1/2		1/2		1/2	4,726.31	1/2	4,407.63	1/2	4,080.96	1/2	3,739.15	1/2	3,383.84	1/2	3,025.83	1/2	2,666.70
3/4		3/4		3/4		3/4	4,718.86	3/4	4,400.97	3/4	4,073.98	3/4	3,731.86	3/4	3,376.39	3/4	3,018.35	3/4	2,659.22
3		3		3		3	4,711.41	3	4,394.31	3	4,067.01	3	3,724.57	3	3,368.94	3	3,010.87	3	2,651.73
1/4		1/4		1/4		1/4	4,703.96	1/4	4,387.65	1/4	4,060.03	1/4	3,717.28	1/4	3,361.49	1/4	3,003.38	1/4	2,644.25
1/2		1/2		1/2		1/2	4,696.51	1/2	4,380.99	1/2	4,053.06	1/2	3,709.99	1/2	3,354.04	1/2	2,995.90	1/2	2,636.77
3/4		3/4		3/4		3/4	4,689.45	3/4	4,374.30	3/4	4,046.05	3/4	3,702.67	3/4	3,346.59	3/4	2,988.42	3/4	2,629.29
4		4		4		4	4,682.40	4	4,367.61	4	4,039.05	4	3,695.36	4	3,339.14	4	2,980.94	4	2,621.81
1/4		1/4		1/4		1/4	4,675.35	1/4	4,360.93	1/4	4,032.05	1/4	3,688.04	1/4	3,331.69	1/4	2,973.46	1/4	2,614.32
1/2		1/2		1/2		1/2	4,668.30	1/2	4,354.24	1/2	4,025.05	1/2	3,680.72	1/2	3,324.24	1/2	2,965.97	1/2	2,606.84
3/4		3/4		3/4		3/4	4,661.90	3/4	4,347.53	3/4	4,018.02	3/4	3,673.38	3/4	3,316.79	3/4	2,958.49	3/4	2,599.36
5		5		5		5	4,655.50	5	4,340.82	5	4,011.00	5	3,666.04	5	3,309.34	5	2,951.01	5	2,591.88
1/4		1/4		1/4		1/4	4,649.10	1/4	4,334.10	1/4	4,003.97	1/4	3,658.69	1/4	3,301.89	1/4	2,943.53	1/4	2,584.40
1/2		1/2		1/2		1/2	4,642.71	1/2	4,327.39	1/2	3,996.94	1/2	3,651.35	1/2	3,294.44	1/2	2,936.05	1/2	2,576.92
3/4		3/4		3/4		3/4	4,636.28	3/4	4,320.65	3/4	3,989.88	3/4	3,643.98	3/4	3,286.99	3/4	2,928.56	3/4	2,569.43
6		6		6		6	4,629.86	6	4,313.91	6	3,982.83	6	3,636.61	6	3,279.54	6	2,921.08	6	2,561.95
1/4		1/4		1/4		1/4	4,623.43	1/4	4,307.17	1/4	3,975.78	1/4	3,629.24	1/4	3,272.09	1/4	2,913.60	1/4	2,554.47
1/2		1/2		1/2		1/2	4,617.01	1/2	4,300.43	1/2	3,968.72	1/2	3,621.87	1/2	3,264.64	1/2	2,906.12	1/2	2,546.99
3/4		3/4		3/4		3/4	4,610.56	3/4	4,293.67	3/4	3,961.64	3/4	3,614.48	3/4	3,257.19	3/4	2,898.64	3/4	2,539.51
7		7		7		7	4,604.10	7	4,286.90	7	3,954.56	7	3,607.08	7	3,249.74	7	2,891.15	7	2,532.02
1/4		1/4		1/4		1/4	4,597.65	1/4	4,280.13	1/4	3,947.48	1/4	3,599.68	1/4	3,242.29	1/4	2,883.67	1/4	2,524.54
1/2		1/2		1/2		1/2	4,591.20	1/2	4,273.37	1/2	3,940.40	1/2	3,592.29	1/2	3,234.84	1/2	2,876.19	1/2	2,517.06
3/4		3/4		3/4		3/4	4,584.72	3/4	4,266.58	3/4	3,933.29	3/4	3,584.87	3/4	3,227.39	3/4	2,868.71	3/4	2,509.58
8		8		8		8	4,578.25	8	4,259.78	8	3,926.18	8	3,577.44	8	3,219.94	8	2,861.23	8	2,502.10
1/4		1/4		1/4		1/4	4,571.77	1/4	4,252.99	1/4	3,919.07	1/4	3,570.02	1/4	3,212.49	1/4	2,853.75	1/4	2,494.61
1/2		1/2		1/2		1/2	4,565.29	1/2	4,246.20	1/2	3,911.97	1/2	3,562.60	1/2	3,205.04	1/2	2,846.26	1/2	2,487.13
3/4		3/4		3/4		3/4	4,558.78	3/4	4,239.38	3/4	3,904.83	3/4	3,555.15	3/4	3,197.59	3/4	2,838.78	3/4	2,479.65
9		9		9		9	4,552.28	9	4,232.56	9	3,897.70	9	3,547.71	9	3,190.14	9	2,831.30	9	2,472.17
1/4		1/4		1/4		1/4	4,545.77	1/4	4,225.74	1/4	3,890.56	1/4	3,540.27	1/4	3,182.69	1/4	2,823.82	1/4	2,464.69
1/2		1/2		1/2		1/2	4,539.27	1/2	4,218.92	1/2	3,883.43	1/2	3,532.83	1/2	3,175.24	1/2	2,816.34	1/2	2,457.20
3/4		3/4		3/4		3/4	4,532.74	3/4	4,212.07	3/4	3,876.27	3/4	3,525.38	3/4	3,167.79	3/4	2,808.85	3/4	2,449.72
10		10		10		10	4,526.21	10	4,205.23	10	3,869.11	10	3,517.93	10	3,160.35	10	2,801.37	10	2,442.24
1/4		1/4		1/4		1/4	4,519.68	1/4	4,198.38	1/4	3,861.94	1/4	3,510.48	1/4	3,152.90	1/4	2,793.89	1/4	2,434.76
1/2		1/2		1/2		1/2	4,513.14	1/2	4,191.53	1/2	3,854.78	1/2	3,503.03	1/2	3,145.45	1/2	2,786.41	1/2	2,427.28
3/4		3/4		3/4		3/4	4,506.59	3/4	4,184.66	3/4	3,847.60	3/4	3,495.58	3/4	3,137.99	3/4	2,778.93	3/4	2,419.80
11		11		11		11	4,500.03	11	4,177.79	11	3,840.41	11	3,488.13	11	3,130.53	11	2,771.44	11	2,412.31
1/4		1/4		1/4		1/4	4,493.47	1/4	4,170.91	1/4	3,833.22	1/4	3,480.68	1/4	3,123.07	1/4	2,763.96	1/4	2,404.83
1/2		1/2		1/2		1/2	4,486.91	1/2	4,164.04	1/2	3,826.03	1/2	3,473.23	1/2	3,115.61	1/2	2,756.48	1/2	2,397.35
3/4		3/4		3/4		3/4	4,480.33	3/4	4,157.14	3/4	3,818.82	3/4	3,465.78	3/4	3,108.13	3/4	2,749.00	3/4	2,389.87

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28186"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,382.39	0	2,023.25	0	1,664.12	0	1,304.99	0	946.15	0	587.13	0	228.01	0		0		0	
1/4	2,374.90	1/4	2,015.77	1/4	1,656.64	1/4	1,297.51	1/4	938.68	1/4	579.65	1/4	220.53	1/4	1/4		1/4		1/4
1/2	2,367.42	1/2	2,008.29	1/2	1,649.16	1/2	1,290.03	1/2	931.21	1/2	572.17	1/2	213.05	1/2	1/2		1/2		1/2
3/4	2,359.94	3/4	2,000.81	3/4	1,641.68	3/4	1,282.55	3/4	923.74	3/4	564.69	3/4	205.57	3/4	3/4		3/4		3/4
1	2,352.46	1	1,993.33	1	1,634.20	1	1,275.06	1	916.27	1	557.20	1	198.09	1	1		1		1
1/4	2,344.98	1/4	1,985.85	1/4	1,626.71	1/4	1,267.58	1/4	908.80	1/4	549.72	1/4	190.61	1/4	1/4		1/4		1/4
1/2	2,337.49	1/2	1,978.36	1/2	1,619.23	1/2	1,260.10	1/2	901.33	1/2	542.24	1/2	183.13	1/2	1/2		1/2		1/2
3/4	2,330.01	3/4	1,970.88	3/4	1,611.75	3/4	1,252.62	3/4	893.85	3/4	534.76	3/4	175.66	3/4	3/4		3/4		3/4
2	2,322.53	2	1,963.40	2	1,604.27	2	1,245.14	2	886.38	2	527.28	2	168.19	2	2		2		2
1/4	2,315.05	1/4	1,955.92	1/4	1,596.79	1/4	1,237.66	1/4	878.91	1/4	519.80	1/4	160.71	1/4	1/4		1/4		1/4
1/2	2,307.57	1/2	1,948.44	1/2	1,589.30	1/2	1,230.17	1/2	871.43	1/2	512.31	1/2	153.24	1/2	1/2		1/2		1/2
3/4	2,300.08	3/4	1,940.95	3/4	1,581.82	3/4	1,222.69	3/4	863.95	3/4	504.83	3/4	145.78	3/4	3/4		3/4		3/4
3	2,292.60	3	1,933.47	3	1,574.34	3	1,215.21	3	856.47	3	497.35	3	138.32	3	3		3		3
1/4	2,285.12	1/4	1,925.99	1/4	1,566.86	1/4	1,207.73	1/4	848.99	1/4	489.87	1/4	130.85	1/4	1/4		1/4		1/4
1/2	2,277.64	1/2	1,918.51	1/2	1,559.38	1/2	1,200.25	1/2	841.50	1/2	482.39	1/2	123.39	1/2	1/2		1/2		1/2
3/4	2,270.16	3/4	1,911.03	3/4	1,551.89	3/4	1,192.76	3/4	834.02	3/4	474.91	3/4	115.95	3/4	3/4		3/4		3/4
4	2,262.68	4	1,903.54	4	1,544.41	4	1,185.28	4	826.54	4	467.42	4	108.50	4	4		4		4
1/4	2,255.19	1/4	1,896.06	1/4	1,536.93	1/4	1,177.80	1/4	819.06	1/4	459.94	1/4	101.06	1/4	1/4		1/4		1/4
1/2	2,247.71	1/2	1,888.58	1/2	1,529.45	1/2	1,170.32	1/2	811.58	1/2	452.46	1/2	93.62	1/2	1/2		1/2		1/2
3/4	2,240.23	3/4	1,881.10	3/4	1,521.97	3/4	1,162.84	3/4	804.10	3/4	444.98	3/4	86.20	3/4	3/4		3/4		3/4
5	2,232.75	5	1,873.62	5	1,514.49	5	1,155.35	5	796.61	5	437.50	5	78.79	5	5		5		5
1/4	2,225.27	1/4	1,866.13	1/4	1,507.00	1/4	1,147.87	1/4	789.13	1/4	430.02	1/4	71.38	1/4	1/4		1/4		1/4
1/2	2,217.78	1/2	1,858.65	1/2	1,499.52	1/2	1,140.39	1/2	781.65	1/2	422.53	1/2	63.97	1/2	1/2		1/2		1/2
3/4	2,210.30	3/4	1,851.17	3/4	1,492.04	3/4	1,132.91	3/4	774.17	3/4	415.05	3/4	57.01	3/4	3/4		3/4		3/4
6	2,202.82	6	1,843.69	6	1,484.56	6	1,125.44	6	766.69	6	407.57	6	50.06	6	6		6		6
1/4	2,195.34	1/4	1,836.21	1/4	1,477.08	1/4	1,117.96	1/4	759.21	1/4	400.09	1/4	43.11	1/4	1/4		1/4		1/4
1/2	2,187.86	1/2	1,828.73	1/2	1,469.59	1/2	1,110.48	1/2	751.73	1/2	392.61	1/2	36.15	1/2	1/2		1/2		1/2
3/4	2,180.37	3/4	1,821.24	3/4	1,462.11	3/4	1,103.01	3/4	744.24	3/4	385.13	3/4	30.86	3/4	3/4		3/4		3/4
7	2,172.89	7	1,813.76	7	1,454.63	7	1,095.54	7	736.76	7	377.65	7	25.56	7	7		7		7
1/4	2,165.41	1/4	1,806.28	1/4	1,447.15	1/4	1,088.07	1/4	729.28	1/4	370.16	1/4	20.26	1/4	1/4		1/4		1/4
1/2	2,157.93	1/2	1,798.80	1/2	1,439.67	1/2	1,080.60	1/2	721.80	1/2	362.68	1/2	14.97	1/2	1/2		1/2		1/2
3/4	2,150.45	3/4	1,791.32	3/4	1,432.18	3/4	1,073.13	3/4	714.32	3/4	355.20	3/4		3/4	3/4		3/4		3/4
8	2,142.96	8	1,783.83	8	1,424.70	8	1,065.66	8	706.84	8	347.72	8		8	8		8		8
1/4	2,135.48	1/4	1,776.35	1/4	1,417.22	1/4	1,058.19	1/4	699.35	1/4	340.24	1/4		1/4	1/4		1/4		1/4
1/2	2,128.00	1/2	1,768.87	1/2	1,409.74	1/2	1,050.72	1/2	691.87	1/2	332.76	1/2		1/2	1/2		1/2		1/2
3/4	2,120.52	3/4	1,761.39	3/4	1,402.26	3/4	1,043.25	3/4	684.39	3/4	325.27	3/4		3/4	3/4		3/4		3/4
9	2,113.04	9	1,753.91	9	1,394.77	9	1,035.78	9	676.91	9	317.79	9		9	9		9		9
1/4	2,105.56	1/4	1,746.42	1/4	1,387.29	1/4	1,028.31	1/4	669.43	1/4	310.31	1/4		1/4	1/4		1/4		1/4
1/2	2,098.07	1/2	1,738.94	1/2	1,379.81	1/2	1,020.84	1/2	661.95	1/2	302.83	1/2		1/2	1/2		1/2		1/2
3/4	2,090.59	3/4	1,731.46	3/4	1,372.33	3/4	1,013.38	3/4	654.46	3/4	295.35	3/4		3/4	3/4		3/4		3/4
10	2,083.11	10	1,723.98	10	1,364.85	10	1,005.91	10	646.98	10	287.87	10		10	10		10		10
1/4	2,075.63	1/4	1,716.50	1/4	1,357.37	1/4	998.44	1/4	639.50	1/4	280.38	1/4		1/4	1/4		1/4		1/4
1/2	2,068.15	1/2	1,709.01	1/2	1,349.88	1/2	990.97	1/2	632.02	1/2	272.90	1/2		1/2	1/2		1/2		1/2
3/4	2,060.66	3/4	1,701.53	3/4	1,342.40	3/4	983.50	3/4	624.54	3/4	265.42	3/4		3/4	3/4		3/4		3/4
11	2,053.18	11	1,694.05	11	1,334.92	11	976.03	11	617.06	11	257.94	11		11	11		11		11
1/4	2,045.70	1/4	1,686.57	1/4	1,327.44	1/4	968.56	1/4	609.57	1/4	250.46	1/4		1/4	1/4		1/4		1/4
1/2	2,038.22	1/2	1,679.09	1/2	1,319.96	1/2	961.09	1/2	602.09	1/2	242.98	1/2		1/2	1/2		1/2		1/2
3/4	2,030.74	3/4	1,671.61	3/4	1,312.47	3/4	953.62	3/4	594.61	3/4	235.49	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2012 CL - SW
CALCULATED: 03/31/2012 CL
PRINTED: 03/31/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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



BARGE "KIRBY 28186"

3 PORT 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.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,353.01	0	4,111.75	0	3,865.08	0	3,606.43	0	3,336.13	0	2,982.03	0	2,625.58
1/4		1/4		1/4		1/4	4,348.38	1/4	4,106.74	1/4	3,859.82	1/4	3,600.92	1/4	3,330.43	1/4	2,974.60	1/4	2,618.15
1/2		1/2		1/2		1/2	4,344.22	1/2	4,101.71	1/2	3,854.54	1/2	3,595.39	1/2	3,323.00	1/2	2,967.17	1/2	2,610.73
3/4		3/4		3/4		3/4	4,340.07	3/4	4,096.68	3/4	3,849.26	3/4	3,589.86	3/4	3,315.57	3/4	2,959.75	3/4	2,603.30
1		1		1		1	4,335.92	1	4,091.66	1	3,843.98	1	3,584.32	1	3,308.14	1	2,952.32	1	2,595.87
1/4		1/4		1/4		1/4	4,331.77	1/4	4,086.63	1/4	3,838.70	1/4	3,578.79	1/4	3,300.71	1/4	2,944.90	1/4	2,588.45
1/2		1/2		1/2		1/2	4,326.41	1/2	4,081.58	1/2	3,833.40	1/2	3,573.24	1/2	3,293.28	1/2	2,937.47	1/2	2,581.02
3/4		3/4		3/4		3/4	4,321.06	3/4	4,076.53	3/4	3,828.11	3/4	3,567.69	3/4	3,285.85	3/4	2,930.04	3/4	2,573.60
2		2		2		2	4,315.70	2	4,071.48	2	3,822.81	2	3,562.14	2	3,278.42	2	2,922.62	2	2,566.17
1/4		1/4		1/4		1/4	4,310.34	1/4	4,066.43	1/4	3,817.51	1/4	3,556.59	1/4	3,271.00	1/4	2,915.19	1/4	2,558.74
1/2		1/2		1/2		1/2	4,304.64	1/2	4,061.36	1/2	3,812.19	1/2	3,551.02	1/2	3,263.57	1/2	2,907.77	1/2	2,551.32
3/4		3/4		3/4		3/4	4,298.93	3/4	4,056.29	3/4	3,806.87	3/4	3,545.45	3/4	3,256.14	3/4	2,900.34	3/4	2,543.89
3		3		3		3	4,293.23	3	4,051.22	3	3,801.55	3	3,539.89	3	3,248.71	3	2,892.91	3	2,536.47
1/4		1/4		1/4		1/4	4,287.53	1/4	4,046.15	1/4	3,796.22	1/4	3,534.32	1/4	3,241.28	1/4	2,885.49	1/4	2,529.04
1/2		1/2		1/2		1/2	4,281.82	1/2	4,041.06	1/2	3,790.88	1/2	3,528.73	1/2	3,233.85	1/2	2,878.06	1/2	2,521.61
3/4		3/4		3/4		3/4	4,276.12	3/4	4,035.97	3/4	3,785.54	3/4	3,523.13	3/4	3,226.42	3/4	2,870.64	3/4	2,514.19
4		4		4		4	4,270.41	4	4,030.88	4	3,780.20	4	3,517.54	4	3,218.99	4	2,863.21	4	2,506.76
1/4		1/4		1/4		1/4	4,264.71	1/4	4,025.78	1/4	3,774.86	1/4	3,511.95	1/4	3,211.56	1/4	2,855.78	1/4	2,499.34
1/2		1/2		1/2		1/2	4,259.84	1/2	4,020.67	1/2	3,769.50	1/2	3,506.34	1/2	3,204.16	1/2	2,848.36	1/2	2,491.91
3/4		3/4		3/4		3/4	4,254.98	3/4	4,015.56	3/4	3,764.14	3/4	3,500.73	3/4	3,196.76	3/4	2,840.93	3/4	2,484.48
5		5		5		5	4,250.12	5	4,010.45	5	3,758.77	5	3,495.12	5	3,189.36	5	2,833.51	5	2,477.06
1/4		1/4		1/4		1/4	4,245.25	1/4	4,005.34	1/4	3,753.41	1/4	3,489.51	1/4	3,181.95	1/4	2,826.08	1/4	2,469.63
1/2		1/2		1/2		1/2	4,240.37	1/2	4,000.20	1/2	3,748.03	1/2	3,483.87	1/2	3,174.55	1/2	2,818.65	1/2	2,462.21
3/4		3/4		3/4		3/4	4,235.49	3/4	3,995.07	3/4	3,742.65	3/4	3,478.24	3/4	3,167.15	3/4	2,811.23	3/4	2,454.78
6		6		6		6	4,230.61	6	3,990.94	6	3,737.27	6	3,472.61	6	3,159.75	6	2,803.80	6	2,447.35
1/4		1/4		1/4		1/4	4,225.72	1/4	3,984.80	1/4	3,731.88	1/4	3,466.97	1/4	3,152.35	1/4	2,796.38	1/4	2,439.93
1/2		1/2		1/2		1/2	4,220.82	1/2	3,979.65	1/2	3,726.48	1/2	3,461.32	1/2	3,144.94	1/2	2,788.95	1/2	2,432.50
3/4		3/4		3/4		3/4	4,215.91	3/4	3,974.50	3/4	3,721.07	3/4	3,455.67	3/4	3,137.54	3/4	2,781.52	3/4	2,425.08
7		7		7		7	4,211.00	7	3,969.34	7	3,715.67	7	3,450.01	7	3,130.14	7	2,774.10	7	2,417.65
1/4		1/4		1/4		1/4	4,206.10	1/4	3,964.19	1/4	3,710.26	1/4	3,444.36	1/4	3,122.74	1/4	2,766.67	1/4	2,410.22
1/2		1/2		1/2		1/2	4,201.17	1/2	3,959.01	1/2	3,704.84	1/2	3,438.69	1/2	3,115.34	1/2	2,759.25	1/2	2,402.80
3/4		3/4		3/4		3/4	4,196.25	3/4	3,953.83	3/4	3,699.42	3/4	3,433.01	3/4	3,107.93	3/4	2,751.82	3/4	2,395.37
8		8		8		8	4,191.33	8	3,948.66	8	3,693.99	8	3,427.33	8	3,100.53	8	2,744.39	8	2,387.95
1/4		1/4		1/4		1/4	4,186.40	1/4	3,943.48	1/4	3,688.57	1/4	3,421.66	1/4	3,093.13	1/4	2,736.97	1/4	2,380.52
1/2		1/2		1/2		1/2	4,181.45	1/2	3,938.28	1/2	3,683.12	1/2	3,415.96	1/2	3,085.73	1/2	2,729.54	1/2	2,373.09
3/4		3/4		3/4		3/4	4,176.50	3/4	3,933.09	3/4	3,677.67	3/4	3,410.27	3/4	3,078.33	3/4	2,722.12	3/4	2,365.67
9		9		9		9	4,171.55	9	3,927.89	9	3,672.23	9	3,404.57	9	3,070.92	9	2,714.69	9	2,358.24
1/4		1/4		1/4		1/4	4,166.60	1/4	3,922.70	1/4	3,666.78	1/4	3,398.88	1/4	3,063.52	1/4	2,707.26	1/4	2,350.81
1/2		1/2		1/2		1/2	4,161.64	1/2	3,917.48	1/2	3,661.31	1/2	3,393.17	1/2	3,056.12	1/2	2,699.84	1/2	2,343.39
3/4		3/4		3/4		3/4	4,156.67	3/4	3,912.26	3/4	3,655.85	3/4	3,387.47	3/4	3,048.72	3/4	2,692.41	3/4	2,335.96
10		10		10		10	4,151.71	10	3,907.04	10	3,650.38	10	3,381.77	10	3,041.31	10	2,684.99	10	2,328.53
1/4		1/4		1/4		1/4	4,146.74	1/4	3,901.82	1/4	3,644.92	1/4	3,376.06	1/4	3,033.91	1/4	2,677.56	1/4	2,321.11
1/2		1/2		1/2		1/2	4,141.75	1/2	3,896.58	1/2	3,639.43	1/2	3,370.36	1/2	3,026.51	1/2	2,670.13	1/2	2,313.68
3/4		3/4		3/4		3/4	4,136.76	3/4	3,891.34	3/4	3,633.94	3/4	3,364.65	3/4	3,019.11	3/4	2,662.71	3/4	2,306.26
11		11		11		11	4,131.76	11	3,886.11	11	3,628.45	11	3,358.95	11	3,011.71	11	2,655.28	11	2,298.83
1/4		1/4		1/4	4,366.91	1/4	4,126.77	1/4	3,880.87	1/4	3,622.96	1/4	3,353.25	1/4	3,004.30	1/4	2,647.86	1/4	2,291.40
1/2		1/2		1/2	4,362.28	1/2	4,121.76	1/2	3,875.61	1/2	3,617.45	1/2	3,347.54	1/2	2,996.88	1/2	2,640.43	1/2	2,283.98
3/4		3/4		3/4	4,357.64	3/4	4,116.76	3/4	3,870.34	3/4	3,611.94	3/4	3,341.84	3/4	2,989.45	3/4	2,633.00	3/4	2,276.55

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" 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 28186"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,269.12		1,912.21		1,556.30		1,199.98		855.47		498.45		141.24								
1/4	2,261.70	1/4	1,904.77	1/4	1,548.88	1/4	1,192.81	1/4	848.05	1/4	491.01	1/4	133.80	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,254.27	1/2	1,897.36	1/2	1,541.44	1/2	1,185.63	1/2	840.63	1/2	483.57	1/2	126.36	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,246.84	3/4	1,889.94	3/4	1,534.00	3/4	1,178.46	3/4	833.21	3/4	476.13	3/4	118.92	3/4	3/4	3/4	3/4	3/4	3/4		
1	2,239.42	1	1,882.53	1	1,526.56	1	1,171.29	1	825.79	1	468.68	1	111.48	1	1	1	1	1	1		
1/4	2,231.99	1/4	1,875.11	1/4	1,519.12	1/4	1,164.12	1/4	818.37	1/4	461.24	1/4	104.03	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,224.56	1/2	1,867.70	1/2	1,511.68	1/2	1,156.94	1/2	810.95	1/2	453.80	1/2	96.91	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,217.14	3/4	1,860.28	3/4	1,504.24	3/4	1,149.77	3/4	803.53	3/4	446.36	3/4	89.78	3/4	3/4	3/4	3/4	3/4	3/4		
2	2,209.71	2	1,852.87	2	1,496.80	2	1,142.60	2	796.11	2	438.92	2	82.65	2	2	2	2	2	2		
1/4	2,202.28	1/4	1,845.46	1/4	1,489.36	1/4	1,135.43	1/4	788.69	1/4	431.48	1/4	75.53	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,194.86	1/2	1,838.04	1/2	1,481.92	1/2	1,128.25	1/2	781.24	1/2	424.03	1/2	69.34	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,187.43	3/4	1,830.63	3/4	1,474.48	3/4	1,121.08	3/4	773.80	3/4	416.59	3/4	63.16	3/4	3/4	3/4	3/4	3/4	3/4		
3	2,180.00	3	1,823.21	3	1,467.04	3	1,113.91	3	766.36	3	409.15	3	56.97	3	3	3	3	3	3		
1/4	2,172.58	1/4	1,815.80	1/4	1,459.60	1/4	1,106.74	1/4	758.92	1/4	401.71	1/4	50.78	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,165.15	1/2	1,808.38	1/2	1,452.16	1/2	1,099.56	1/2	751.48	1/2	394.27	1/2	45.85	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,157.73	3/4	1,800.97	3/4	1,444.72	3/4	1,092.39	3/4	744.04	3/4	386.82	3/4	40.93	3/4	3/4	3/4	3/4	3/4	3/4		
4	2,150.30	4	1,793.56	4	1,437.27	4	1,085.22	4	736.59	4	379.38	4	36.00	4	4	4	4	4	4		
1/4	2,142.87	1/4	1,786.14	1/4	1,429.83	1/4	1,078.05	1/4	729.15	1/4	371.94	1/4	31.07	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,135.43	1/2	1,778.73	1/2	1,422.39	1/2	1,070.89	1/2	721.71	1/2	364.50	1/2	27.40	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,127.99	3/4	1,771.31	3/4	1,414.95	3/4	1,063.73	3/4	714.27	3/4	357.06	3/4	23.73	3/4	3/4	3/4	3/4	3/4	3/4		
5	2,120.55	5	1,763.90	5	1,407.51	5	1,056.57	5	706.83	5	349.61	5	20.07	5	5	5	5	5	5		
1/4	2,113.11	1/4	1,756.48	1/4	1,400.07	1/4	1,049.41	1/4	699.38	1/4	342.17	1/4	16.40	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,105.67	1/2	1,749.07	1/2	1,392.63	1/2	1,042.25	1/2	691.94	1/2	334.73	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,098.23	3/4	1,741.66	3/4	1,385.19	3/4	1,035.09	3/4	684.50	3/4	327.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
6	2,090.79	6	1,734.24	6	1,377.75	6	1,027.93	6	677.06	6	319.85	6		6	6	6	6	6	6		
1/4	2,083.35	1/4	1,726.83	1/4	1,370.31	1/4	1,020.78	1/4	669.62	1/4	312.41	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,075.91	1/2	1,719.41	1/2	1,362.87	1/2	1,013.62	1/2	662.17	1/2	304.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,068.47	3/4	1,712.00	3/4	1,355.43	3/4	1,006.47	3/4	654.73	3/4	297.52	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
7	2,061.02	7	1,704.58	7	1,347.99	7	999.31	7	647.29	7	290.08	7		7	7	7	7	7	7		
1/4	2,053.58	1/4	1,697.17	1/4	1,340.55	1/4	992.16	1/4	639.85	1/4	282.64	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,046.14	1/2	1,689.76	1/2	1,333.11	1/2	985.01	1/2	632.41	1/2	275.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,038.70	3/4	1,682.34	3/4	1,325.67	3/4	977.85	3/4	624.96	3/4	267.75	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
8	2,031.26	8	1,674.93	8	1,318.22	8	970.70	8	617.52	8	260.31	8		8	8	8	8	8	8		
1/4	2,023.82	1/4	1,667.51	1/4	1,310.78	1/4	963.55	1/4	610.08	1/4	252.87	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	2,016.38	1/2	1,660.10	1/2	1,303.34	1/2	956.40	1/2	602.64	1/2	245.43	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	2,008.94	3/4	1,652.68	3/4	1,295.90	3/4	949.25	3/4	595.20	3/4	237.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
9	2,001.50	9	1,645.27	9	1,288.46	9	942.10	9	587.76	9	230.54	9		9	9	9	9	9	9		
1/4	1,994.06	1/4	1,637.86	1/4	1,281.02	1/4	934.95	1/4	580.31	1/4	223.10	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,986.62	1/2	1,630.44	1/2	1,273.58	1/2	927.80	1/2	572.87	1/2	215.66	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,979.18	3/4	1,623.03	3/4	1,266.14	3/4	920.64	3/4	565.43	3/4	208.22	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
10	1,971.74	10	1,615.61	10	1,258.70	10	913.49	10	557.99	10	200.78	10		10	10	10	10	10	10		
1/4	1,964.30	1/4	1,608.20	1/4	1,251.26	1/4	906.34	1/4	550.55	1/4	193.33	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,956.85	1/2	1,600.78	1/2	1,243.82	1/2	899.19	1/2	543.10	1/2	185.89	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,949.41	3/4	1,593.37	3/4	1,236.38	3/4	892.04	3/4	535.66	3/4	178.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
11	1,941.97	11	1,585.95	11	1,228.94	11	884.89	11	528.22	11	171.01	11		11	11	11	11	11	11		
1/4	1,934.53	1/4	1,578.54	1/4	1,221.50	1/4	877.74	1/4	520.78	1/4	163.57	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,927.09	1/2	1,571.13	1/2	1,214.32	1/2	870.32	1/2	513.34	1/2	156.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,919.65	3/4	1,563.71	3/4	1,207.15	3/4	862.89	3/4	505.89	3/4	148.68	3/4		3/4	3/4	3/4	3/4	3/4	3/4		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2012 CL - SW
CALCULATED: 03/31/2012 CL
PRINTED: 03/31/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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



BARGE "KIRBY 28186"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							4,377.32		4,134.46		3,886.32		3,626.19		3,354.43		2,996.57		2,638.70		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,373.14	1/4	4,129.41	1/4	3,881.02	1/4	3,620.63	1/4	3,346.98	1/4	2,989.11	1/4	2,631.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,368.96	1/2	4,124.36	1/2	3,875.71	1/2	3,615.08	1/2	3,339.52	1/2	2,981.66	1/2	2,623.79		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,364.79	3/4	4,119.31	3/4	3,870.41	3/4	3,609.52	3/4	3,332.06	3/4	2,974.20	3/4	2,616.34		
1	1	1	1	1	1	1	4,360.61	1	4,114.25	1	3,865.11	1	3,603.96	1	3,324.61	1	2,966.74	1	2,608.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,355.23	1/4	4,109.18	1/4	3,859.78	1/4	3,598.38	1/4	3,317.15	1/4	2,959.29	1/4	2,601.43		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,349.85	1/2	4,104.10	1/2	3,854.46	1/2	3,592.81	1/2	3,309.70	1/2	2,951.83	1/2	2,593.97		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,344.47	3/4	4,099.03	3/4	3,849.13	3/4	3,587.23	3/4	3,302.24	3/4	2,944.38	3/4	2,586.51		
2	2	2	2	2	2	2	4,339.08	2	4,093.95	2	3,843.81	2	3,581.65	2	3,294.79	2	2,936.92	2	2,579.06		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,333.35	1/4	4,088.86	1/4	3,838.46	1/4	3,576.06	1/4	3,287.33	1/4	2,929.47	1/4	2,571.60		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,327.62	1/2	4,083.76	1/2	3,833.12	1/2	3,570.47	1/2	3,279.88	1/2	2,922.01	1/2	2,564.15		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,321.89	3/4	4,078.67	3/4	3,827.77	3/4	3,564.87	3/4	3,272.42	3/4	2,914.56	3/4	2,556.69		
3	3	3	3	3	3	3	4,316.16	3	4,073.57	3	3,822.42	3	3,559.28	3	3,264.96	3	2,907.10	3	2,549.24		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,310.43	1/4	4,068.46	1/4	3,817.06	1/4	3,553.66	1/4	3,257.51	1/4	2,899.65	1/4	2,541.78		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,304.70	1/2	4,063.34	1/2	3,811.69	1/2	3,548.04	1/2	3,250.05	1/2	2,892.19	1/2	2,534.33		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,298.97	3/4	4,058.22	3/4	3,806.33	3/4	3,542.42	3/4	3,242.60	3/4	2,884.73	3/4	2,526.87		
4	4	4	4	4	4	4	4,293.24	4	4,053.10	4	3,800.96	4	3,536.81	4	3,235.14	4	2,877.28	4	2,519.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,288.35	1/4	4,047.97	1/4	3,795.57	1/4	3,531.17	1/4	3,227.69	1/4	2,869.82	1/4	2,511.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,283.46	1/2	4,042.83	1/2	3,790.18	1/2	3,525.53	1/2	3,220.23	1/2	2,862.37	1/2	2,504.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,278.58	3/4	4,037.69	3/4	3,784.80	3/4	3,519.90	3/4	3,212.78	3/4	2,854.91	3/4	2,497.05		
5	5	5	5	5	5	5	4,273.69	5	4,032.56	5	3,779.41	5	3,514.26	5	3,205.32	5	2,847.46	5	2,489.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,268.78	1/4	4,027.40	1/4	3,774.00	1/4	3,508.60	1/4	3,197.87	1/4	2,840.00	1/4	2,482.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,263.87	1/2	4,022.24	1/2	3,768.59	1/2	3,502.94	1/2	3,190.41	1/2	2,832.55	1/2	2,474.68		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,258.96	3/4	4,017.08	3/4	3,763.18	3/4	3,497.28	3/4	3,182.95	3/4	2,825.09	3/4	2,467.23		
6	6	6	6	6	6	6	4,254.06	6	4,011.92	6	3,757.78	6	3,491.62	6	3,175.50	6	2,817.63	6	2,459.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,249.12	1/4	4,006.74	1/4	3,752.35	1/4	3,485.94	1/4	3,168.04	1/4	2,810.18	1/4	2,452.32		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,244.19	1/2	4,001.56	1/2	3,746.91	1/2	3,480.26	1/2	3,160.59	1/2	2,802.72	1/2	2,444.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,239.26	3/4	3,996.38	3/4	3,741.48	3/4	3,474.58	3/4	3,153.13	3/4	2,795.27	3/4	2,437.40		
7	7	7	7	7	7	7	4,234.33	7	3,991.20	7	3,736.05	7	3,468.90	7	3,145.68	7	2,787.81	7	2,429.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,229.38	1/4	3,986.00	1/4	3,730.60	1/4	3,463.20	1/4	3,138.22	1/4	2,780.36	1/4	2,422.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,224.43	1/2	3,980.80	1/2	3,725.15	1/2	3,457.50	1/2	3,130.77	1/2	2,772.90	1/2	2,415.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,219.48	3/4	3,975.59	3/4	3,719.70	3/4	3,451.80	3/4	3,123.31	3/4	2,765.45	3/4	2,407.58		
8	8	8	8	8	8	8	4,214.53	8	3,970.39	8	3,714.25	8	3,446.10	8	3,115.85	8	2,757.99	8	2,400.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,209.56	1/4	3,965.17	1/4	3,708.78	1/4	3,440.38	1/4	3,108.40	1/4	2,750.54	1/4	2,392.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,204.58	1/2	3,959.95	1/2	3,703.31	1/2	3,434.66	1/2	3,100.94	1/2	2,743.08	1/2	2,385.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,199.61	3/4	3,954.73	3/4	3,697.83	3/4	3,428.93	3/4	3,093.49	3/4	2,735.62	3/4	2,377.76		
9	9	9	9	9	9	9	4,194.63	9	3,949.51	9	3,692.36	9	3,423.21	9	3,086.03	9	2,728.17	9	2,370.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,189.64	1/4	3,944.26	1/4	3,686.87	1/4	3,417.48	1/4	3,078.58	1/4	2,720.71	1/4	2,362.85		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,184.65	1/2	3,939.02	1/2	3,681.38	1/2	3,411.75	1/2	3,071.12	1/2	2,713.26	1/2	2,355.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,179.66	3/4	3,933.77	3/4	3,675.89	3/4	3,406.02	3/4	3,063.67	3/4	2,705.80	3/4	2,347.94		
10	10	10	10	10	10	10	4,174.67	10	3,928.53	10	3,670.39	10	3,400.29	10	3,056.21	10	2,698.35	10	2,340.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,169.65	1/4	3,923.26	1/4	3,664.88	1/4	3,394.55	1/4	3,048.76	1/4	2,690.89	1/4	2,333.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,164.63	1/2	3,918.00	1/2	3,659.36	1/2	3,388.82	1/2	3,041.30	1/2	2,683.44	1/2	2,325.57		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,159.61	3/4	3,912.74	3/4	3,653.84	3/4	3,383.09	3/4	3,033.84	3/4	2,675.98	3/4	2,318.12		
11	11	11	11	11	11	11	4,395.96	11	4,154.60	11	3,907.48	11	3,648.33	11	3,026.39	11	2,668.52	11	2,310.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,391.30	1/4	4,149.56	1/4	3,902.19	1/4	3,642.79	1/4	3,371.63	1/4	3,018.93	1/4	2,661.07	1/4	2,303.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,386.64	1/2	4,144.53	1/2	3,896.90	1/2	3,637.26	1/2	3,365.89	1/2	3,011.48	1/2	2,653.61	1/2	2,295.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,381.98	3/4	4,139.50	3/4	3,891.61	3/4	3,631.73	3/4	3,360.16	3/4	3,004.02	3/4	2,646.16	3/4	2,288.29

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" 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 28186"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,280.84	0	1,922.97	0	1,565.11	0	1,207.25	0	849.67	0	491.91	0	134.05	0		0		0	
1/4	2,273.38	1/4	1,915.52	1/4	1,557.66	1/4	1,199.79	1/4	842.22	1/4	484.45	1/4	126.60	1/4	1/4	1/4		1/4	
1/2	2,265.93	1/2	1,908.06	1/2	1,550.20	1/2	1,192.34	1/2	834.78	1/2	477.00	1/2	119.14	1/2	1/2	1/2		1/2	
3/4	2,258.47	3/4	1,900.61	3/4	1,542.74	3/4	1,184.88	3/4	827.34	3/4	469.54	3/4	111.69	3/4	3/4	3/4		3/4	
1	2,251.02	1	1,893.15	1	1,535.29	1	1,177.42	1	819.89	1	462.09	1	104.23	1	1	1		1	
1/4	2,243.56	1/4	1,885.70	1/4	1,527.83	1/4	1,169.97	1/4	812.45	1/4	454.63	1/4	97.09	1/4	1/4	1/4		1/4	
1/2	2,236.11	1/2	1,878.24	1/2	1,520.38	1/2	1,162.51	1/2	805.01	1/2	447.18	1/2	89.95	1/2	1/2	1/2		1/2	
3/4	2,228.65	3/4	1,870.79	3/4	1,512.92	3/4	1,155.06	3/4	797.56	3/4	439.72	3/4	82.81	3/4	3/4	3/4		3/4	
2	2,221.19	2	1,863.33	2	1,505.47	2	1,147.60	2	790.12	2	432.26	2	75.67	2	2	2		2	
1/4	2,213.74	1/4	1,855.88	1/4	1,498.01	1/4	1,140.15	1/4	782.66	1/4	424.81	1/4	69.47	1/4	1/4	1/4		1/4	
1/2	2,206.28	1/2	1,848.42	1/2	1,490.56	1/2	1,132.69	1/2	775.21	1/2	417.35	1/2	63.28	1/2	1/2	1/2		1/2	
3/4	2,198.83	3/4	1,840.96	3/4	1,483.10	3/4	1,125.24	3/4	767.75	3/4	409.90	3/4	57.08	3/4	3/4	3/4		3/4	
3	2,191.37	3	1,833.51	3	1,475.64	3	1,117.78	3	760.30	3	402.44	3	50.88	3	3	3		3	
1/4	2,183.92	1/4	1,826.05	1/4	1,468.19	1/4	1,110.33	1/4	752.84	1/4	394.99	1/4	45.93	1/4	1/4	1/4		1/4	
1/2	2,176.46	1/2	1,818.60	1/2	1,460.73	1/2	1,102.87	1/2	745.39	1/2	387.53	1/2	40.99	1/2	1/2	1/2		1/2	
3/4	2,169.01	3/4	1,811.14	3/4	1,453.28	3/4	1,095.41	3/4	737.93	3/4	380.08	3/4	36.05	3/4	3/4	3/4		3/4	
4	2,161.55	4	1,803.69	4	1,445.82	4	1,087.96	4	730.48	4	372.62	4	31.11	4	4	4		4	
1/4	2,154.10	1/4	1,796.23	1/4	1,438.37	1/4	1,080.50	1/4	723.02	1/4	365.17	1/4	27.43	1/4	1/4	1/4		1/4	
1/2	2,146.64	1/2	1,788.78	1/2	1,430.91	1/2	1,073.05	1/2	715.57	1/2	357.71	1/2	23.76	1/2	1/2	1/2		1/2	
3/4	2,139.18	3/4	1,781.32	3/4	1,423.46	3/4	1,065.59	3/4	708.11	3/4	350.26	3/4	20.08	3/4	3/4	3/4		3/4	
5	2,131.73	5	1,773.86	5	1,416.00	5	1,058.14	5	700.66	5	342.80	5	16.40	5	5	5		5	
1/4	2,124.27	1/4	1,766.41	1/4	1,408.55	1/4	1,050.68	1/4	693.20	1/4	335.35	1/4		1/4	1/4	1/4		1/4	
1/2	2,116.82	1/2	1,758.95	1/2	1,401.09	1/2	1,043.23	1/2	685.75	1/2	327.89	1/2		1/2	1/2	1/2		1/2	
3/4	2,109.36	3/4	1,751.50	3/4	1,393.63	3/4	1,035.77	3/4	678.29	3/4	320.44	3/4		3/4	3/4	3/4		3/4	
6	2,101.91	6	1,744.04	6	1,386.18	6	1,028.31	6	670.83	6	312.98	6		6	6	6		6	
1/4	2,094.45	1/4	1,736.59	1/4	1,378.72	1/4	1,020.87	1/4	663.38	1/4	305.52	1/4		1/4	1/4	1/4		1/4	
1/2	2,087.00	1/2	1,729.13	1/2	1,371.27	1/2	1,013.43	1/2	655.92	1/2	298.07	1/2		1/2	1/2	1/2		1/2	
3/4	2,079.54	3/4	1,721.68	3/4	1,363.81	3/4	1,005.98	3/4	648.47	3/4	290.61	3/4		3/4	3/4	3/4		3/4	
7	2,072.08	7	1,714.22	7	1,356.36	7	998.54	7	641.01	7	283.16	7		7	7	7		7	
1/4	2,064.63	1/4	1,706.77	1/4	1,348.90	1/4	991.10	1/4	633.56	1/4	275.70	1/4		1/4	1/4	1/4		1/4	
1/2	2,057.17	1/2	1,699.31	1/2	1,341.45	1/2	983.65	1/2	626.10	1/2	268.25	1/2		1/2	1/2	1/2		1/2	
3/4	2,049.72	3/4	1,691.85	3/4	1,333.99	3/4	976.21	3/4	618.65	3/4	260.79	3/4		3/4	3/4	3/4		3/4	
8	2,042.26	8	1,684.40	8	1,326.53	8	968.77	8	611.19	8	253.34	8		8	8	8		8	
1/4	2,034.81	1/4	1,676.94	1/4	1,319.08	1/4	961.32	1/4	603.74	1/4	245.88	1/4		1/4	1/4	1/4		1/4	
1/2	2,027.35	1/2	1,669.49	1/2	1,311.62	1/2	953.88	1/2	596.28	1/2	238.43	1/2		1/2	1/2	1/2		1/2	
3/4	2,019.90	3/4	1,662.03	3/4	1,304.17	3/4	946.43	3/4	588.83	3/4	230.97	3/4		3/4	3/4	3/4		3/4	
9	2,012.44	9	1,654.58	9	1,296.71	9	938.99	9	581.37	9	223.52	9		9	9	9		9	
1/4	2,004.99	1/4	1,647.12	1/4	1,289.26	1/4	931.55	1/4	573.92	1/4	216.06	1/4		1/4	1/4	1/4		1/4	
1/2	1,997.53	1/2	1,639.67	1/2	1,281.80	1/2	924.10	1/2	566.46	1/2	208.61	1/2		1/2	1/2	1/2		1/2	
3/4	1,990.07	3/4	1,632.21	3/4	1,274.35	3/4	916.66	3/4	559.01	3/4	201.15	3/4		3/4	3/4	3/4		3/4	
10	1,982.62	10	1,624.75	10	1,266.89	10	909.22	10	551.55	10	193.70	10		10	10	10		10	
1/4	1,975.16	1/4	1,617.30	1/4	1,259.44	1/4	901.77	1/4	544.09	1/4	186.24	1/4		1/4	1/4	1/4		1/4	
1/2	1,967.71	1/2	1,609.84	1/2	1,251.98	1/2	894.33	1/2	536.64	1/2	178.78	1/2		1/2	1/2	1/2		1/2	
3/4	1,960.25	3/4	1,602.39	3/4	1,244.52	3/4	886.89	3/4	529.18	3/4	171.33	3/4		3/4	3/4	3/4		3/4	
11	1,952.80	11	1,594.93	11	1,237.07	11	879.44	11	521.73	11	163.87	11		11	11	11		11	
1/4	1,945.34	1/4	1,587.48	1/4	1,229.61	1/4	872.00	1/4	514.27	1/4	156.42	1/4		1/4	1/4	1/4		1/4	
1/2	1,937.89	1/2	1,580.02	1/2	1,222.16	1/2	864.56	1/2	506.82	1/2	148.96	1/2		1/2	1/2	1/2		1/2	
3/4	1,930.43	3/4	1,572.57	3/4	1,214.70	3/4	857.11	3/4	499.36	3/4	141.51	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2012 CL - SW
CALCULATED: 03/31/2012 CL
PRINTED: 03/31/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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