



BARGE "KIRBY 28150"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-06"

September 10, 2012

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28150"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,204.08	0	3,915.20	0	3,611.97	0	3,294.85	0	2,965.56	0	2,634.22	0	2,302.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,198.17	1/4	3,909.05	1/4	3,605.50	1/4	3,288.10	1/4	2,958.66	1/4	2,627.32	1/4	2,295.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,192.26	1/2	3,902.90	1/2	3,599.03	1/2	3,281.35	1/2	2,951.76	1/2	2,620.42	1/2	2,289.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,186.35	3/4	3,896.74	3/4	3,592.55	3/4	3,274.60	3/4	2,944.85	3/4	2,613.52	3/4	2,282.15
1		1		1		1	4,180.42	1	3,890.56	1	3,586.06	1	3,267.81	1	2,937.95	1	2,606.61	1	2,275.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,174.49	1/4	3,884.38	1/4	3,579.56	1/4	3,261.03	1/4	2,931.05	1/4	2,599.71	1/4	2,268.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,168.56	1/2	3,878.20	1/2	3,573.07	1/2	3,254.25	1/2	2,924.15	1/2	2,592.81	1/2	2,261.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,162.62	3/4	3,872.02	3/4	3,566.57	3/4	3,247.47	3/4	2,917.24	3/4	2,585.90	3/4	2,254.53
2		2		2		2	4,156.67	2	3,865.81	2	3,560.06	2	3,240.67	2	2,910.34	2	2,579.00	2	2,247.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,150.71	1/4	3,859.61	1/4	3,553.54	1/4	3,233.87	1/4	2,903.44	1/4	2,572.10	1/4	2,240.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,144.75	1/2	3,853.41	1/2	3,547.03	1/2	3,227.07	1/2	2,896.53	1/2	2,565.20	1/2	2,233.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,138.79	3/4	3,847.21	3/4	3,540.51	3/4	3,220.26	3/4	2,889.63	3/4	2,558.29	3/4	2,226.91
3		3		3		3	4,132.84	3	3,840.95	3	3,533.97	3	3,213.44	3	2,882.73	3	2,551.39	3	2,220.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,126.90	1/4	3,834.69	1/4	3,527.43	1/4	3,206.62	1/4	2,875.83	1/4	2,544.49	1/4	2,213.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,120.95	1/2	3,828.43	1/2	3,520.88	1/2	3,199.80	1/2	2,868.92	1/2	2,537.58	1/2	2,206.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,115.01	3/4	3,822.17	3/4	3,514.34	3/4	3,192.98	3/4	2,862.02	3/4	2,530.68	3/4	2,199.30
4		4		4		4	4,109.04	4	3,815.89	4	3,507.78	4	3,186.12	4	2,855.12	4	2,523.78	4	2,192.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,103.07	1/4	3,809.60	1/4	3,501.21	1/4	3,179.27	1/4	2,848.21	1/4	2,516.87	1/4	2,185.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,097.10	1/2	3,803.32	1/2	3,494.65	1/2	3,172.42	1/2	2,841.31	1/2	2,509.97	1/2	2,178.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,091.14	3/4	3,797.04	3/4	3,488.08	3/4	3,165.57	3/4	2,834.41	3/4	2,503.07	3/4	2,171.68
5		5		5		5	4,085.14	5	3,790.73	5	3,481.49	5	3,158.70	5	2,827.51	5	2,496.17	5	2,164.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,079.15	1/4	3,784.42	1/4	3,474.90	1/4	3,151.83	1/4	2,820.60	1/4	2,489.26	1/4	2,157.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,073.16	1/2	3,778.12	1/2	3,468.30	1/2	3,144.96	1/2	2,813.70	1/2	2,482.36	1/2	2,150.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,067.16	3/4	3,771.81	3/4	3,461.71	3/4	3,138.09	3/4	2,806.80	3/4	2,475.46	3/4	2,144.07
6		6	4,359.55	6	4,061.15	6	3,765.47	6	3,455.10	6	3,131.20	6	2,799.89	6	2,468.55	6	2,137.16		
1/4	1/4	1/4	4,354.37	1/4	4,055.13	1/4	3,759.14	1/4	3,448.48	1/4	3,124.31	1/4	2,792.99	1/4	2,461.65	1/4	2,130.26		
1/2	1/2	1/2	4,349.19	1/2	4,049.12	1/2	3,752.80	1/2	3,441.87	1/2	3,117.42	1/2	2,786.09	1/2	2,454.75	1/2	2,123.35		
3/4	3/4	3/4	4,344.01	3/4	4,043.10	3/4	3,746.47	3/4	3,435.26	3/4	3,110.52	3/4	2,779.19	3/4	2,447.85	3/4	2,116.45		
7		7	4,337.11	7	4,037.06	7	3,740.11	7	3,428.63	7	3,103.62	7	2,772.28	7	2,440.94	7	2,109.55		
1/4	1/4	1/4	4,330.20	1/4	4,031.01	1/4	3,733.76	1/4	3,421.99	1/4	3,096.72	1/4	2,765.38	1/4	2,434.04	1/4	2,102.64		
1/2	1/2	1/2	4,323.30	1/2	4,024.97	1/2	3,727.40	1/2	3,415.36	1/2	3,089.82	1/2	2,758.48	1/2	2,427.13	1/2	2,095.74		
3/4	3/4	3/4	4,316.40	3/4	4,018.93	3/4	3,721.05	3/4	3,408.72	3/4	3,082.91	3/4	2,751.57	3/4	2,420.23	3/4	2,088.83		
8		8	4,309.49	8	4,012.86	8	3,714.67	8	3,402.06	8	3,076.01	8	2,744.67	8	2,413.33	8	2,081.93		
1/4	1/4	1/4	4,302.59	1/4	4,006.80	1/4	3,708.30	1/4	3,395.40	1/4	3,069.11	1/4	2,737.77	1/4	2,406.42	1/4	2,075.02		
1/2	1/2	1/2	4,295.68	1/2	4,000.74	1/2	3,701.92	1/2	3,388.74	1/2	3,062.20	1/2	2,730.86	1/2	2,399.52	1/2	2,068.12		
3/4	3/4	3/4	4,288.78	3/4	3,994.67	3/4	3,695.54	3/4	3,382.07	3/4	3,055.30	3/4	2,723.96	3/4	2,392.61	3/4	2,061.22		
9		9	4,281.88	9	3,988.59	9	3,689.14	9	3,375.39	9	3,048.40	9	2,717.06	9	2,385.71	9	2,054.31		
1/4	1/4	1/4	4,274.97	1/4	3,982.51	1/4	3,682.74	1/4	3,368.71	1/4	3,041.50	1/4	2,710.16	1/4	2,378.80	1/4	2,047.41		
1/2	1/2	1/2	4,268.07	1/2	3,976.42	1/2	3,676.33	1/2	3,362.03	1/2	3,034.59	1/2	2,703.25	1/2	2,371.90	1/2	2,040.50		
3/4	3/4	3/4	4,261.16	3/4	3,970.34	3/4	3,669.93	3/4	3,355.35	3/4	3,027.69	3/4	2,696.35	3/4	2,365.00	3/4	2,033.60		
10		10	4,254.26	10	3,964.22	10	3,663.50	10	3,348.64	10	3,020.79	10	2,689.45	10	2,358.09	10	2,026.70		
1/4	1/4	1/4	4,247.36	1/4	3,958.11	1/4	3,657.08	1/4	3,341.94	1/4	3,013.88	1/4	2,682.54	1/4	2,351.19	1/4	2,019.79		
1/2	1/2	1/2	4,240.45	1/2	3,952.00	1/2	3,650.65	1/2	3,335.23	1/2	3,006.98	1/2	2,675.64	1/2	2,344.28	1/2	2,012.89		
3/4	3/4	3/4	4,233.55	3/4	3,945.89	3/4	3,644.23	3/4	3,328.53	3/4	3,000.08	3/4	2,668.74	3/4	2,337.38	3/4	2,005.98		
11		11	4,227.66	11	3,939.76	11	3,637.78	11	3,321.80	11	2,993.18	11	2,661.84	11	2,330.48	11	1,999.08		
1/4	1/4	1/4	4,221.77	1/4	3,933.62	1/4	3,631.34	1/4	3,315.07	1/4	2,986.27	1/4	2,654.93	1/4	2,323.57	1/4	1,992.18		
1/2	1/2	1/2	4,215.88	1/2	3,927.49	1/2	3,624.89	1/2	3,308.34	1/2	2,979.37	1/2	2,648.03	1/2	2,316.67	1/2	1,985.27		
3/4	3/4	3/4	4,209.99	3/4	3,921.36	3/4	3,618.44	3/4	3,301.61	3/4	2,972.47	3/4	2,641.13	3/4	2,309.76	3/4	1,978.37		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 37'-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 28150"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,971.46	0	1,640.07	0	1,308.67	0	977.69	0	661.96	0	369.32	0	100.27	0		0		0	
1/4	1,964.56	1/4	1,633.16	1/4	1,301.77	1/4	970.87	1/4	655.63	1/4	363.48	1/4	94.92	1/4	1/4	1/4		1/4	
1/2	1,957.65	1/2	1,626.26	1/2	1,294.86	1/2	964.04	1/2	649.30	1/2	357.63	1/2	89.57	1/2	1/2	1/2		1/2	
3/4	1,950.75	3/4	1,619.35	3/4	1,287.96	3/4	957.22	3/4	642.96	3/4	351.79	3/4	84.22	3/4	3/4	3/4		3/4	
1	1,943.85	1	1,612.45	1	1,281.05	1	950.45	1	636.67	1	345.99	1	78.92	1	1	1		1	
1/4	1,936.94	1/4	1,605.55	1/4	1,274.15	1/4	943.69	1/4	630.38	1/4	340.20	1/4	73.61	1/4	1/4	1/4		1/4	
1/2	1,930.04	1/2	1,598.64	1/2	1,267.24	1/2	936.92	1/2	624.09	1/2	334.40	1/2	68.31	1/2	1/2	1/2		1/2	
3/4	1,923.13	3/4	1,591.74	3/4	1,260.34	3/4	930.15	3/4	617.80	3/4	328.60	3/4	63.00	3/4	3/4	3/4		3/4	
2	1,916.23	2	1,584.83	2	1,253.44	2	923.43	2	611.55	2	322.84	2	57.74	2	2	2		2	
1/4	1,909.33	1/4	1,577.93	1/4	1,246.53	1/4	916.70	1/4	605.30	1/4	317.08	1/4	52.47	1/4	1/4	1/4		1/4	
1/2	1,902.42	1/2	1,571.03	1/2	1,239.63	1/2	909.97	1/2	599.05	1/2	311.32	1/2	47.21	1/2	1/2	1/2		1/2	
3/4	1,895.52	3/4	1,564.12	3/4	1,232.72	3/4	903.25	3/4	592.80	3/4	305.56	3/4	41.94	3/4	3/4	3/4		3/4	
3	1,888.61	3	1,557.22	3	1,225.82	3	896.56	3	586.59	3	299.84	3	37.58	3	3	3		3	
1/4	1,881.71	1/4	1,550.31	1/4	1,218.92	1/4	889.88	1/4	580.38	1/4	294.13	1/4	33.22	1/4	1/4	1/4		1/4	
1/2	1,874.81	1/2	1,543.41	1/2	1,212.01	1/2	883.19	1/2	574.17	1/2	288.41	1/2	28.86	1/2	1/2	1/2		1/2	
3/4	1,867.90	3/4	1,536.50	3/4	1,205.11	3/4	876.51	3/4	567.96	3/4	282.69	3/4	24.51	3/4	3/4	3/4		3/4	
4	1,861.00	4	1,529.60	4	1,198.20	4	869.87	4	561.79	4	277.01	4	21.91	4	4	4		4	
1/4	1,854.09	1/4	1,522.70	1/4	1,191.30	1/4	863.22	1/4	555.62	1/4	271.33	1/4	19.32	1/4	1/4	1/4		1/4	
1/2	1,847.19	1/2	1,515.79	1/2	1,184.40	1/2	856.58	1/2	549.45	1/2	265.66	1/2	16.73	1/2	1/2	1/2		1/2	
3/4	1,840.29	3/4	1,508.89	3/4	1,177.49	3/4	849.93	3/4	543.28	3/4	259.98	3/4	14.13	3/4	3/4	3/4		3/4	
5	1,833.38	5	1,501.98	5	1,170.59	5	843.33	5	537.16	5	254.34	5		5	5	5		5	
1/4	1,826.48	1/4	1,495.08	1/4	1,163.68	1/4	836.73	1/4	531.03	1/4	248.71	1/4		1/4	1/4	1/4		1/4	
1/2	1,819.57	1/2	1,488.18	1/2	1,156.78	1/2	830.12	1/2	524.90	1/2	243.08	1/2		1/2	1/2	1/2		1/2	
3/4	1,812.67	3/4	1,481.27	3/4	1,149.88	3/4	823.52	3/4	518.78	3/4	237.44	3/4		3/4	3/4	3/4		3/4	
6	1,805.76	6	1,474.37	6	1,142.97	6	816.96	6	512.69	6	231.84	6		6	6	6		6	
1/4	1,798.86	1/4	1,467.46	1/4	1,136.07	1/4	810.40	1/4	506.60	1/4	226.25	1/4		1/4	1/4	1/4		1/4	
1/2	1,791.96	1/2	1,460.56	1/2	1,129.16	1/2	803.83	1/2	500.52	1/2	220.65	1/2		1/2	1/2	1/2		1/2	
3/4	1,785.05	3/4	1,453.66	3/4	1,122.26	3/4	797.27	3/4	494.43	3/4	215.05	3/4		3/4	3/4	3/4		3/4	
7	1,778.15	7	1,446.75	7	1,115.35	7	790.75	7	488.38	7	209.50	7		7	7	7		7	
1/4	1,771.24	1/4	1,439.85	1/4	1,108.45	1/4	784.23	1/4	482.34	1/4	203.95	1/4		1/4	1/4	1/4		1/4	
1/2	1,764.34	1/2	1,432.94	1/2	1,101.55	1/2	777.71	1/2	476.29	1/2	198.40	1/2		1/2	1/2	1/2		1/2	
3/4	1,757.44	3/4	1,426.04	3/4	1,094.64	3/4	771.19	3/4	470.25	3/4	192.84	3/4		3/4	3/4	3/4		3/4	
8	1,750.53	8	1,419.14	8	1,087.74	8	764.71	8	464.24	8	187.33	8		8	8	8		8	
1/4	1,743.63	1/4	1,412.23	1/4	1,080.84	1/4	758.22	1/4	458.24	1/4	181.81	1/4		1/4	1/4	1/4		1/4	
1/2	1,736.72	1/2	1,405.33	1/2	1,073.93	1/2	751.74	1/2	452.23	1/2	176.30	1/2		1/2	1/2	1/2		1/2	
3/4	1,729.82	3/4	1,398.42	3/4	1,067.03	3/4	745.26	3/4	446.23	3/4	170.78	3/4		3/4	3/4	3/4		3/4	
9	1,722.92	9	1,391.52	9	1,060.14	9	738.81	9	440.27	9	165.31	9		9	9	9		9	
1/4	1,716.01	1/4	1,384.61	1/4	1,053.24	1/4	732.35	1/4	434.30	1/4	159.84	1/4		1/4	1/4	1/4		1/4	
1/2	1,709.11	1/2	1,377.71	1/2	1,046.35	1/2	725.90	1/2	428.34	1/2	154.37	1/2		1/2	1/2	1/2		1/2	
3/4	1,702.20	3/4	1,370.81	3/4	1,039.45	3/4	719.44	3/4	422.38	3/4	148.90	3/4		3/4	3/4	3/4		3/4	
10	1,695.30	10	1,363.90	10	1,032.57	10	713.03	10	416.45	10	143.47	10		10	10	10		10	
1/4	1,688.39	1/4	1,357.00	1/4	1,025.69	1/4	706.61	1/4	410.53	1/4	138.03	1/4		1/4	1/4	1/4		1/4	
1/2	1,681.49	1/2	1,350.09	1/2	1,018.81	1/2	700.20	1/2	404.61	1/2	132.60	1/2		1/2	1/2	1/2		1/2	
3/4	1,674.59	3/4	1,343.19	3/4	1,011.93	3/4	693.78	3/4	398.68	3/4	127.16	3/4		3/4	3/4	3/4		3/4	
11	1,667.68	11	1,336.29	11	1,005.08	11	687.41	11	392.80	11	121.78	11		11	11	11		11	
1/4	1,660.78	1/4	1,329.38	1/4	998.22	1/4	681.04	1/4	386.92	1/4	116.39	1/4		1/4	1/4	1/4		1/4	
1/2	1,653.87	1/2	1,322.48	1/2	991.37	1/2	674.67	1/2	381.04	1/2	111.00	1/2		1/2	1/2	1/2		1/2	
3/4	1,646.97	3/4	1,315.57	3/4	984.51	3/4	668.29	3/4	375.16	3/4	105.62	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2012 CL - SW
CALCULATED: 09/10/2012 CL
PRINTED: 09/10/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2012

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



BARGE "KIRBY 28150"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,206.15	0	3,917.01	0	3,613.50	0	3,296.09	0	2,966.49	0	2,634.85	0	2,303.19		
1/4		1/4		1/4		1/4	4,200.24	1/4	3,910.85	1/4	3,607.02	1/4	3,289.33	1/4	2,959.59	1/4	2,627.94	1/4	2,296.28		
1/2		1/2		1/2		1/2	4,194.32	1/2	3,904.69	1/2	3,600.54	1/2	3,282.58	1/2	2,952.68	1/2	2,621.03	1/2	2,289.37		
3/4		3/4		3/4		3/4	4,188.41	3/4	3,898.53	3/4	3,594.06	3/4	3,275.82	3/4	2,945.77	3/4	2,614.13	3/4	2,282.46		
1		1		1		1	4,182.47	1	3,892.35	1	3,587.56	1	3,269.03	1	2,938.86	1	2,607.22	1	2,275.54		
1/4		1/4		1/4		1/4	4,176.53	1/4	3,886.16	1/4	3,581.06	1/4	3,262.24	1/4	2,931.95	1/4	2,600.31	1/4	2,268.63		
1/2		1/2		1/2		1/2	4,170.60	1/2	3,879.97	1/2	3,574.56	1/2	3,255.45	1/2	2,925.04	1/2	2,593.40	1/2	2,261.72		
3/4		3/4		3/4		3/4	4,164.66	3/4	3,873.78	3/4	3,568.06	3/4	3,248.66	3/4	2,918.13	3/4	2,586.49	3/4	2,254.81		
2		2		2		2	4,158.69	2	3,867.58	2	3,561.54	2	3,241.86	2	2,911.22	2	2,579.58	2	2,247.90		
1/4		1/4		1/4		1/4	4,152.73	1/4	3,861.37	1/4	3,555.02	1/4	3,235.05	1/4	2,904.31	1/4	2,572.67	1/4	2,240.99		
1/2		1/2		1/2		1/2	4,146.77	1/2	3,855.16	1/2	3,548.50	1/2	3,228.24	1/2	2,897.40	1/2	2,565.76	1/2	2,234.08		
3/4		3/4		3/4		3/4	4,140.80	3/4	3,848.95	3/4	3,541.98	3/4	3,221.44	3/4	2,890.49	3/4	2,558.85	3/4	2,227.17		
3		3		3		3	4,134.85	3	3,842.69	3	3,535.43	3	3,214.61	3	2,883.58	3	2,551.94	3	2,220.26		
1/4		1/4		1/4		1/4	4,128.90	1/4	3,836.42	1/4	3,528.88	1/4	3,207.78	1/4	2,876.68	1/4	2,545.03	1/4	2,213.35		
1/2		1/2		1/2		1/2	4,122.95	1/2	3,830.16	1/2	3,522.33	1/2	3,200.95	1/2	2,869.77	1/2	2,538.12	1/2	2,206.44		
3/4		3/4		3/4		3/4	4,117.00	3/4	3,823.90	3/4	3,515.78	3/4	3,194.12	3/4	2,862.86	3/4	2,531.22	3/4	2,199.53		
4		4		4		4	4,111.03	4	3,817.61	4	3,509.21	4	3,187.26	4	2,855.95	4	2,524.31	4	2,192.62		
1/4		1/4		1/4		1/4	4,105.05	1/4	3,811.32	1/4	3,502.64	1/4	3,180.41	1/4	2,849.04	1/4	2,517.40	1/4	2,185.71		
1/2		1/2		1/2		1/2	4,099.08	1/2	3,805.03	1/2	3,496.07	1/2	3,173.55	1/2	2,842.13	1/2	2,510.49	1/2	2,178.80		
3/4		3/4		3/4		3/4	4,093.11	3/4	3,798.73	3/4	3,489.50	3/4	3,166.69	3/4	2,835.22	3/4	2,503.58	3/4	2,171.89		
5		5		5		5	4,087.11	5	3,792.42	5	3,482.90	5	3,159.82	5	2,828.31	5	2,496.67	5	2,164.98		
1/4		1/4		1/4		1/4	4,081.11	1/4	3,786.11	1/4	3,476.30	1/4	3,152.94	1/4	2,821.40	1/4	2,489.76	1/4	2,158.07		
1/2		1/2		1/2		1/2	4,075.11	1/2	3,779.80	1/2	3,469.70	1/2	3,146.06	1/2	2,814.49	1/2	2,482.85	1/2	2,151.16		
3/4		3/4		3/4		3/4	4,069.11	3/4	3,773.49	3/4	3,463.10	3/4	3,139.19	3/4	2,807.58	3/4	2,475.94	3/4	2,144.25		
6		6		6		6	4,063.09	6	3,767.15	6	3,456.48	6	3,132.29	6	2,800.67	6	2,469.03	6	2,137.34		
1/4		1/4		1/4		1/4	4,356.58	1/4	4,057.07	1/4	3,760.80	1/4	3,449.87	1/4	3,125.39	1/4	2,793.76	1/4	2,462.12	1/4	2,130.43
1/2		1/2		1/2		1/2	4,351.40	1/2	4,051.05	1/2	3,754.46	1/2	3,443.25	1/2	3,118.49	1/2	2,786.86	1/2	2,455.21	1/2	2,123.52
3/4		3/4		3/4		3/4	4,346.21	3/4	4,045.02	3/4	3,748.12	3/4	3,436.63	3/4	3,111.59	3/4	2,779.95	3/4	2,448.30	3/4	2,116.61
7		7		7		7	4,339.30	7	4,038.98	7	3,741.76	7	3,429.99	7	3,104.68	7	2,773.04	7	2,441.39	7	2,109.70
1/4		1/4		1/4		1/4	4,332.39	1/4	4,032.93	1/4	3,735.40	1/4	3,423.35	1/4	3,097.77	1/4	2,766.13	1/4	2,434.48	1/4	2,102.78
1/2		1/2		1/2		1/2	4,325.48	1/2	4,026.88	1/2	3,729.04	1/2	3,416.71	1/2	3,090.86	1/2	2,759.22	1/2	2,427.57	1/2	2,095.87
3/4		3/4		3/4		3/4	4,318.57	3/4	4,020.83	3/4	3,722.68	3/4	3,410.07	3/4	3,083.95	3/4	2,752.31	3/4	2,420.66	3/4	2,088.96
8		8		8		8	4,311.66	8	4,014.76	8	3,716.30	8	3,403.40	8	3,077.04	8	2,745.40	8	2,413.75	8	2,082.05
1/4		1/4		1/4		1/4	4,304.75	1/4	4,008.69	1/4	3,709.92	1/4	3,396.73	1/4	3,070.13	1/4	2,738.49	1/4	2,406.84	1/4	2,075.14
1/2		1/2		1/2		1/2	4,297.84	1/2	4,002.62	1/2	3,703.53	1/2	3,390.06	1/2	3,063.22	1/2	2,731.58	1/2	2,399.93	1/2	2,068.23
3/4		3/4		3/4		3/4	4,290.93	3/4	3,996.56	3/4	3,697.15	3/4	3,383.39	3/4	3,056.31	3/4	2,724.67	3/4	2,393.02	3/4	2,061.32
9		9		9		9	4,284.02	9	3,990.47	9	3,690.74	9	3,376.71	9	3,049.41	9	2,717.76	9	2,386.11	9	2,054.41
1/4		1/4		1/4		1/4	4,277.11	1/4	3,984.38	1/4	3,684.33	1/4	3,370.02	1/4	3,042.50	1/4	2,710.85	1/4	2,379.20	1/4	2,047.50
1/2		1/2		1/2		1/2	4,270.20	1/2	3,978.29	1/2	3,677.92	1/2	3,363.33	1/2	3,035.59	1/2	2,703.95	1/2	2,372.29	1/2	2,040.59
3/4		3/4		3/4		3/4	4,263.29	3/4	3,972.20	3/4	3,671.51	3/4	3,356.64	3/4	3,028.68	3/4	2,697.04	3/4	2,365.38	3/4	2,033.68
10		10		10		10	4,256.38	10	3,966.08	10	3,665.08	10	3,349.93	10	3,021.77	10	2,690.13	10	2,358.47	10	2,026.77
1/4		1/4		1/4		1/4	4,249.47	1/4	3,959.96	1/4	3,658.65	1/4	3,343.22	1/4	3,014.86	1/4	2,683.22	1/4	2,351.56	1/4	2,019.86
1/2		1/2		1/2		1/2	4,242.56	1/2	3,953.84	1/2	3,652.22	1/2	3,336.51	1/2	3,007.95	1/2	2,676.31	1/2	2,344.65	1/2	2,012.95
3/4		3/4		3/4		3/4	4,235.65	3/4	3,947.72	3/4	3,645.79	3/4	3,329.80	3/4	3,001.04	3/4	2,669.40	3/4	2,337.74	3/4	2,006.04
11		11		11		11	4,229.75	11	3,941.59	11	3,639.34	11	3,323.06	11	2,994.13	11	2,662.49	11	2,330.83	11	1,999.13
1/4		1/4		1/4		1/4	4,223.86	1/4	3,935.45	1/4	3,632.88	1/4	3,316.33	1/4	2,987.22	1/4	2,655.58	1/4	2,323.92	1/4	1,992.22
1/2		1/2		1/2		1/2	4,217.96	1/2	3,929.31	1/2	3,626.43	1/2	3,309.59	1/2	2,980.31	1/2	2,648.67	1/2	2,317.01	1/2	1,985.31
3/4		3/4		3/4		3/4	4,212.07	3/4	3,923.17	3/4	3,619.98	3/4	3,302.85	3/4	2,973.40	3/4	2,641.76	3/4	2,310.10	3/4	1,978.40

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 37'-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 28150"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

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
	1,971.49		1,639.79		1,308.09		976.96		662.56		369.65		100.36								
1/4	1,964.58	1/4	1,632.88	1/4	1,301.18	1/4	970.17	1/4	656.22	1/4	363.80	1/4	95.00	1/4		1/4		1/4		1/4	
1/2	1,957.67	1/2	1,625.97	1/2	1,294.27	1/2	963.38	1/2	649.88	1/2	357.95	1/2	89.65	1/2		1/2		1/2		1/2	
3/4	1,950.76	3/4	1,619.06	3/4	1,287.36	3/4	956.58	3/4	643.54	3/4	352.11	3/4	84.29	3/4		3/4		3/4		3/4	
1	1,943.85	1	1,612.15	1	1,280.45	1	949.85	1	637.24	1	346.30	1	78.99	1		1		1		1	
1/4	1,936.94	1/4	1,605.24	1/4	1,273.54	1/4	943.11	1/4	630.95	1/4	340.50	1/4	73.68	1/4		1/4		1/4		1/4	
1/2	1,930.02	1/2	1,598.33	1/2	1,266.63	1/2	936.38	1/2	624.65	1/2	334.70	1/2	68.37	1/2		1/2		1/2		1/2	
3/4	1,923.11	3/4	1,591.42	3/4	1,259.72	3/4	929.65	3/4	618.35	3/4	328.89	3/4	63.06	3/4		3/4		3/4		3/4	
2	1,916.20	2	1,584.50	2	1,252.81	2	922.95	2	612.10	2	323.13	2	57.79	2		2		2		2	
1/4	1,909.29	1/4	1,577.59	1/4	1,245.90	1/4	916.26	1/4	605.84	1/4	317.36	1/4	52.52	1/4		1/4		1/4		1/4	
1/2	1,902.38	1/2	1,570.68	1/2	1,238.98	1/2	909.56	1/2	599.58	1/2	311.60	1/2	47.25	1/2		1/2		1/2		1/2	
3/4	1,895.47	3/4	1,563.77	3/4	1,232.07	3/4	902.87	3/4	593.33	3/4	305.83	3/4	41.98	3/4		3/4		3/4		3/4	
3	1,888.56	3	1,556.86	3	1,225.16	3	896.22	3	587.11	3	300.11	3	37.61	3		3		3		3	
1/4	1,881.65	1/4	1,549.95	1/4	1,218.25	1/4	889.57	1/4	580.90	1/4	294.39	1/4	33.25	1/4		1/4		1/4		1/4	
1/2	1,874.74	1/2	1,543.04	1/2	1,211.34	1/2	882.91	1/2	574.68	1/2	288.67	1/2	28.89	1/2		1/2		1/2		1/2	
3/4	1,867.83	3/4	1,536.13	3/4	1,204.43	3/4	876.26	3/4	568.47	3/4	282.94	3/4	24.53	3/4		3/4		3/4		3/4	
4	1,860.92	4	1,529.22	4	1,197.52	4	869.65	4	562.30	4	277.26	4	21.93	4		4		4		4	
1/4	1,854.01	1/4	1,522.31	1/4	1,190.61	1/4	863.04	1/4	556.12	1/4	271.58	1/4	19.34	1/4		1/4		1/4		1/4	
1/2	1,847.10	1/2	1,515.40	1/2	1,183.70	1/2	856.43	1/2	549.95	1/2	265.89	1/2	16.74	1/2		1/2		1/2		1/2	
3/4	1,840.19	3/4	1,508.49	3/4	1,176.79	3/4	849.82	3/4	543.77	3/4	260.21	3/4	14.14	3/4		3/4		3/4		3/4	
5	1,833.28	5	1,501.58	5	1,169.88	5	843.25	5	537.64	5	254.57	5		5		5		5		5	
1/4	1,826.37	1/4	1,494.67	1/4	1,162.97	1/4	836.68	1/4	531.51	1/4	248.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,819.46	1/2	1,487.76	1/2	1,156.06	1/2	830.11	1/2	525.38	1/2	243.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,812.55	3/4	1,480.85	3/4	1,149.15	3/4	823.54	3/4	519.24	3/4	237.65	3/4		3/4		3/4		3/4		3/4	
6	1,805.64	6	1,473.94	6	1,142.24	6	817.01	6	513.15	6	232.05	6		6		6		6		6	
1/4	1,798.73	1/4	1,467.03	1/4	1,135.33	1/4	810.48	1/4	507.06	1/4	226.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,791.82	1/2	1,460.12	1/2	1,128.42	1/2	803.94	1/2	500.96	1/2	220.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,784.91	3/4	1,453.21	3/4	1,121.51	3/4	797.41	3/4	494.87	3/4	215.24	3/4		3/4		3/4		3/4		3/4	
7	1,778.00	7	1,446.30	7	1,114.60	7	790.93	7	488.82	7	209.69	7		7		7		7		7	
1/4	1,771.09	1/4	1,439.39	1/4	1,107.69	1/4	784.44	1/4	482.77	1/4	204.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,764.18	1/2	1,432.48	1/2	1,100.78	1/2	777.95	1/2	476.72	1/2	198.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,757.26	3/4	1,425.57	3/4	1,093.87	3/4	771.46	3/4	470.67	3/4	193.02	3/4		3/4		3/4		3/4		3/4	
8	1,750.35	8	1,418.66	8	1,086.96	8	765.01	8	464.66	8	187.50	8		8		8		8		8	
1/4	1,743.44	1/4	1,411.74	1/4	1,080.05	1/4	758.57	1/4	458.65	1/4	181.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,736.53	1/2	1,404.83	1/2	1,073.14	1/2	752.12	1/2	452.64	1/2	176.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,729.62	3/4	1,397.92	3/4	1,066.23	3/4	745.67	3/4	446.63	3/4	170.94	3/4		3/4		3/4		3/4		3/4	
9	1,722.71	9	1,391.01	9	1,059.33	9	739.24	9	440.66	9	165.46	9		9		9		9		9	
1/4	1,715.80	1/4	1,384.10	1/4	1,052.43	1/4	732.82	1/4	434.69	1/4	159.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,708.89	1/2	1,377.19	1/2	1,045.53	1/2	726.40	1/2	428.72	1/2	154.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,701.98	3/4	1,370.28	3/4	1,038.62	3/4	719.97	3/4	422.76	3/4	149.04	3/4		3/4		3/4		3/4		3/4	
10	1,695.07	10	1,363.37	10	1,031.74	10	713.58	10	416.83	10	143.60	10		10		10		10		10	
1/4	1,688.16	1/4	1,356.46	1/4	1,024.85	1/4	707.19	1/4	410.90	1/4	138.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,681.25	1/2	1,349.55	1/2	1,017.97	1/2	700.80	1/2	404.97	1/2	132.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,674.34	3/4	1,342.64	3/4	1,011.08	3/4	694.41	3/4	399.04	3/4	127.28	3/4		3/4		3/4		3/4		3/4	
11	1,667.43	11	1,335.73	11	1,004.25	11	688.03	11	393.15	11	121.89	11		11		11		11		11	
1/4	1,660.52	1/4	1,328.82	1/4	997.42	1/4	681.65	1/4	387.27	1/4	116.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,653.61	1/2	1,321.91	1/2	990.59	1/2	675.27	1/2	381.38	1/2	111.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,646.70	3/4	1,315.00	3/4	983.75	3/4	668.89	3/4	375.50	3/4	105.71	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2012 CL - SW
CALCULATED: 09/10/2012 CL
PRINTED: 09/10/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2012

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



BARGE "KIRBY 28150"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,095.49	0	4,758.23	0	4,403.38	0	4,031.91	0	3,646.18	0	3,258.06	0	2,869.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,088.56	1/4	4,751.06	1/4	4,395.79	1/4	4,024.00	1/4	3,638.09	1/4	3,249.98	1/4	2,861.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,081.64	1/2	4,743.88	1/2	4,388.21	1/2	4,016.09	1/2	3,630.01	1/2	3,241.89	1/2	2,853.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,074.72	3/4	4,736.70	3/4	4,380.63	3/4	4,008.18	3/4	3,621.92	3/4	3,233.80	3/4	2,845.62		
1		1		1		1	5,067.77	1	4,729.49	1	4,373.02	1	4,000.24	1	3,613.84	1	3,225.72	1	2,837.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,060.82	1/4	4,722.28	1/4	4,365.41	1/4	3,992.29	1/4	3,605.75	1/4	3,217.63	1/4	2,829.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,053.87	1/2	4,715.07	1/2	4,357.81	1/2	3,984.35	1/2	3,597.67	1/2	3,209.55	1/2	2,821.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,046.92	3/4	4,707.86	3/4	4,350.20	3/4	3,976.40	3/4	3,589.58	3/4	3,201.46	3/4	2,813.27		
2		2		2		2	5,039.94	2	4,700.63	2	4,342.57	2	3,968.43	2	3,581.49	2	3,193.38	2	2,805.18		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,032.96	1/4	4,693.39	1/4	4,334.93	1/4	3,960.47	1/4	3,573.41	1/4	3,185.29	1/4	2,797.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,025.98	1/2	4,686.16	1/2	4,327.30	1/2	3,952.50	1/2	3,565.32	1/2	3,177.20	1/2	2,789.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,019.00	3/4	4,678.93	3/4	4,319.67	3/4	3,944.54	3/4	3,557.24	3/4	3,169.12	3/4	2,780.91		
3		3		3		3	5,012.06	3	4,671.60	3	4,312.00	3	3,936.55	3	3,549.15	3	3,161.03	3	2,772.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,005.13	1/4	4,664.26	1/4	4,304.34	1/4	3,928.55	1/4	3,541.07	1/4	3,152.95	1/4	2,764.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,998.19	1/2	4,656.93	1/2	4,296.68	1/2	3,920.56	1/2	3,532.98	1/2	3,144.86	1/2	2,756.65		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,991.26	3/4	4,649.60	3/4	4,289.01	3/4	3,912.57	3/4	3,524.89	3/4	3,136.78	3/4	2,748.56		
4		4		4		4	4,984.30	4	4,642.24	4	4,281.32	4	3,904.55	4	3,516.81	4	3,128.69	4	2,740.47		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,977.34	1/4	4,634.88	1/4	4,273.63	1/4	3,896.52	1/4	3,508.72	1/4	3,120.60	1/4	2,732.38		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,970.38	1/2	4,627.52	1/2	4,265.95	1/2	3,888.49	1/2	3,500.64	1/2	3,112.52	1/2	2,724.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,963.42	3/4	4,620.16	3/4	4,258.26	3/4	3,880.47	3/4	3,492.55	3/4	3,104.43	3/4	2,716.21		
5		5		5		5	4,956.43	5	4,612.77	5	4,250.53	5	3,872.42	5	3,484.46	5	3,096.35	5	2,708.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,949.44	1/4	4,605.38	1/4	4,242.81	1/4	3,864.37	1/4	3,476.38	1/4	3,088.26	1/4	2,700.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,942.45	1/2	4,598.00	1/2	4,235.09	1/2	3,856.33	1/2	3,468.29	1/2	3,080.17	1/2	2,691.94		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,935.46	3/4	4,590.61	3/4	4,227.36	3/4	3,848.28	3/4	3,460.21	3/4	3,072.09	3/4	2,683.85		
6		6		6		6	4,928.44	6	4,583.19	6	4,219.62	6	3,840.20	6	3,452.12	6	3,064.00	6	2,675.76		
1/4	1/4	1/4	5,271.56	1/4	4,921.42	1/4	4,575.77	1/4	4,211.87	1/4	3,832.13	1/4	3,444.04	1/4	3,055.92	1/4	2,667.67				
1/2	1/2	1/2	5,265.49	1/2	4,914.41	1/2	4,568.34	1/2	4,204.13	1/2	3,824.06	1/2	3,435.95	1/2	3,047.83	1/2	2,659.59				
3/4	3/4	3/4	5,259.43	3/4	4,907.39	3/4	4,560.92	3/4	4,196.38	3/4	3,815.98	3/4	3,427.86	3/4	3,039.75	3/4	2,651.50				
7		7	5,251.34	7	4,900.34	7	4,553.48	7	4,188.61	7	3,807.90	7	3,419.78	7	3,031.66	7	2,643.41				
1/4	1/4	1/4	5,243.25	1/4	4,893.29	1/4	4,546.04	1/4	4,180.84	1/4	3,799.81	1/4	3,411.69	1/4	3,023.57	1/4	2,635.32				
1/2	1/2	1/2	5,235.16	1/2	4,886.25	1/2	4,538.59	1/2	4,173.07	1/2	3,791.72	1/2	3,403.61	1/2	3,015.48	1/2	2,627.23				
3/4	3/4	3/4	5,227.07	3/4	4,879.20	3/4	4,531.15	3/4	4,165.30	3/4	3,783.64	3/4	3,395.52	3/4	3,007.39	3/4	2,619.14				
8		8	5,218.98	8	4,872.13	8	4,523.68	8	4,157.49	8	3,775.55	8	3,387.43	8	2,999.30	8	2,611.06				
1/4	1/4	1/4	5,210.89	1/4	4,865.06	1/4	4,516.21	1/4	4,149.69	1/4	3,767.47	1/4	3,379.35	1/4	2,991.21	1/4	2,602.97				
1/2	1/2	1/2	5,202.81	1/2	4,857.99	1/2	4,508.74	1/2	4,141.88	1/2	3,759.38	1/2	3,371.26	1/2	2,983.13	1/2	2,594.88				
3/4	3/4	3/4	5,194.72	3/4	4,850.92	3/4	4,501.27	3/4	4,134.08	3/4	3,751.30	3/4	3,363.18	3/4	2,975.04	3/4	2,586.79				
9		9	5,186.63	9	4,843.82	9	4,493.77	9	4,126.25	9	3,743.21	9	3,355.09	9	2,966.95	9	2,578.70				
1/4	1/4	1/4	5,178.54	1/4	4,836.73	1/4	4,486.27	1/4	4,118.42	1/4	3,735.12	1/4	3,347.01	1/4	2,958.86	1/4	2,570.61				
1/2	1/2	1/2	5,170.45	1/2	4,829.63	1/2	4,478.77	1/2	4,110.60	1/2	3,727.04	1/2	3,338.92	1/2	2,950.77	1/2	2,562.52				
3/4	3/4	3/4	5,162.36	3/4	4,822.53	3/4	4,471.26	3/4	4,102.77	3/4	3,718.95	3/4	3,330.83	3/4	2,942.68	3/4	2,554.44				
10		10	5,154.28	10	4,815.41	10	4,463.74	10	4,094.92	10	3,710.87	10	3,322.75	10	2,934.60	10	2,546.35				
1/4	1/4	1/4	5,146.19	1/4	4,808.28	1/4	4,456.21	1/4	4,087.06	1/4	3,702.78	1/4	3,314.66	1/4	2,926.51	1/4	2,538.26				
1/2	1/2	1/2	5,138.10	1/2	4,801.15	1/2	4,448.69	1/2	4,079.21	1/2	3,694.70	1/2	3,306.58	1/2	2,918.42	1/2	2,530.17				
3/4	3/4	3/4	5,130.01	3/4	4,794.02	3/4	4,441.16	3/4	4,071.36	3/4	3,686.61	3/4	3,298.49	3/4	2,910.33	3/4	2,522.08				
11		11	5,123.11	11	4,786.87	11	4,433.61	11	4,063.47	11	3,678.52	11	3,290.41	11	2,902.24	11	2,513.99				
1/4	1/4	1/4	5,116.21	1/4	4,779.71	1/4	4,426.06	1/4	4,055.59	1/4	3,670.44	1/4	3,282.32	1/4	2,894.15	1/4	2,505.90				
1/2	1/2	1/2	5,109.31	1/2	4,772.56	1/2	4,418.51	1/2	4,047.70	1/2	3,662.35	1/2	3,274.23	1/2	2,886.06	1/2	2,497.82				
3/4	3/4	3/4	5,102.41	3/4	4,765.41	3/4	4,410.96	3/4	4,039.82	3/4	3,654.27	3/4	3,266.15	3/4	2,877.98	3/4	2,489.73				

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 44'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28150"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,481.64	0	2,093.39	0	1,705.14	0	1,316.90	0	928.65	0	541.28	0	153.45	0		0		0	
1/4	2,473.55	1/4	2,085.30	1/4	1,697.05	1/4	1,308.81	1/4	920.56	1/4	533.20	1/4	145.37	1/4	1/4	1/4		1/4	1/4
1/2	2,465.46	1/2	2,077.21	1/2	1,688.97	1/2	1,300.72	1/2	912.47	1/2	525.12	1/2	137.29	1/2	1/2	1/2		1/2	1/2
3/4	2,457.37	3/4	2,069.13	3/4	1,680.88	3/4	1,292.63	3/4	904.38	3/4	517.04	3/4	129.21	3/4	3/4	3/4		3/4	3/4
1	2,449.29	1	2,061.04	1	1,672.79	1	1,284.54	1	896.31	1	508.96	1	121.13	1	1	1		1	1
1/4	2,441.20	1/4	2,052.95	1/4	1,664.70	1/4	1,276.45	1/4	888.23	1/4	500.88	1/4	113.05	1/4	1/4	1/4		1/4	1/4
1/2	2,433.11	1/2	2,044.86	1/2	1,656.61	1/2	1,268.36	1/2	880.15	1/2	492.80	1/2	104.97	1/2	1/2	1/2		1/2	1/2
3/4	2,425.02	3/4	2,036.77	3/4	1,648.52	3/4	1,260.28	3/4	872.08	3/4	484.72	3/4	96.89	3/4	3/4	3/4		3/4	3/4
2	2,416.93	2	2,028.68	2	1,640.44	2	1,252.19	2	864.01	2	476.64	2	88.81	2	2	2		2	2
1/4	2,408.84	1/4	2,020.59	1/4	1,632.35	1/4	1,244.10	1/4	855.95	1/4	468.56	1/4	80.73	1/4	1/4	1/4		1/4	1/4
1/2	2,400.75	1/2	2,012.51	1/2	1,624.26	1/2	1,236.01	1/2	847.88	1/2	460.48	1/2	72.65	1/2	1/2	1/2		1/2	1/2
3/4	2,392.67	3/4	2,004.42	3/4	1,616.17	3/4	1,227.92	3/4	839.82	3/4	452.40	3/4	64.57	3/4	3/4	3/4		3/4	3/4
3	2,384.58	3	1,996.33	3	1,608.08	3	1,219.83	3	831.76	3	444.32	3	57.50	3	3	3		3	3
1/4	2,376.49	1/4	1,988.24	1/4	1,599.99	1/4	1,211.74	1/4	823.69	1/4	436.24	1/4	50.43	1/4	1/4	1/4		1/4	1/4
1/2	2,368.40	1/2	1,980.15	1/2	1,591.90	1/2	1,203.66	1/2	815.63	1/2	428.16	1/2	43.36	1/2	1/2	1/2		1/2	1/2
3/4	2,360.31	3/4	1,972.06	3/4	1,583.82	3/4	1,195.57	3/4	807.56	3/4	420.08	3/4	36.29	3/4	3/4	3/4		3/4	3/4
4	2,352.22	4	1,963.98	4	1,575.73	4	1,187.48	4	799.50	4	412.00	4	31.25	4	4	4		4	4
1/4	2,344.13	1/4	1,955.89	1/4	1,567.64	1/4	1,179.39	1/4	791.44	1/4	403.92	1/4	26.20	1/4	1/4	1/4		1/4	1/4
1/2	2,336.05	1/2	1,947.80	1/2	1,559.55	1/2	1,171.30	1/2	783.37	1/2	395.84	1/2	21.15	1/2	1/2	1/2		1/2	1/2
3/4	2,327.96	3/4	1,939.71	3/4	1,551.46	3/4	1,163.21	3/4	775.31	3/4	387.76	3/4	16.11	3/4	3/4	3/4		3/4	3/4
5	2,319.87	5	1,931.62	5	1,543.37	5	1,155.13	5	767.24	5	379.68	5		5	5	5		5	5
1/4	2,311.78	1/4	1,923.53	1/4	1,535.28	1/4	1,147.04	1/4	759.18	1/4	371.60	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,303.69	1/2	1,915.44	1/2	1,527.20	1/2	1,138.95	1/2	751.12	1/2	363.52	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,295.60	3/4	1,907.36	3/4	1,519.11	3/4	1,130.86	3/4	743.05	3/4	355.44	3/4		3/4	3/4	3/4		3/4	3/4
6	2,287.52	6	1,899.27	6	1,511.02	6	1,122.77	6	734.99	6	347.36	6		6	6	6		6	6
1/4	2,279.43	1/4	1,891.18	1/4	1,502.93	1/4	1,114.68	1/4	726.92	1/4	339.29	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,271.34	1/2	1,883.09	1/2	1,494.84	1/2	1,106.59	1/2	718.86	1/2	331.21	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,263.25	3/4	1,875.00	3/4	1,486.75	3/4	1,098.51	3/4	710.80	3/4	323.13	3/4		3/4	3/4	3/4		3/4	3/4
7	2,255.16	7	1,866.91	7	1,478.67	7	1,090.42	7	702.73	7	315.05	7		7	7	7		7	7
1/4	2,247.07	1/4	1,858.82	1/4	1,470.58	1/4	1,082.33	1/4	694.67	1/4	306.97	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,238.98	1/2	1,850.74	1/2	1,462.49	1/2	1,074.24	1/2	686.60	1/2	298.89	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,230.90	3/4	1,842.65	3/4	1,454.40	3/4	1,066.15	3/4	678.54	3/4	290.81	3/4		3/4	3/4	3/4		3/4	3/4
8	2,222.81	8	1,834.56	8	1,446.31	8	1,058.06	8	670.48	8	282.73	8		8	8	8		8	8
1/4	2,214.72	1/4	1,826.47	1/4	1,438.22	1/4	1,049.97	1/4	662.41	1/4	274.65	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,206.63	1/2	1,818.38	1/2	1,430.13	1/2	1,041.89	1/2	654.35	1/2	266.57	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,198.54	3/4	1,810.29	3/4	1,422.05	3/4	1,033.80	3/4	646.28	3/4	258.49	3/4		3/4	3/4	3/4		3/4	3/4
9	2,190.45	9	1,802.21	9	1,413.96	9	1,025.71	9	638.21	9	250.41	9		9	9	9		9	9
1/4	2,182.36	1/4	1,794.12	1/4	1,405.87	1/4	1,017.62	1/4	630.14	1/4	242.33	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,174.28	1/2	1,786.03	1/2	1,397.78	1/2	1,009.53	1/2	622.07	1/2	234.25	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,166.19	3/4	1,777.94	3/4	1,389.69	3/4	1,001.44	3/4	614.00	3/4	226.17	3/4		3/4	3/4	3/4		3/4	3/4
10	2,158.10	10	1,769.85	10	1,381.60	10	993.36	10	605.92	10	218.09	10		10	10	10		10	10
1/4	2,150.01	1/4	1,761.76	1/4	1,373.51	1/4	985.27	1/4	597.84	1/4	210.01	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,141.92	1/2	1,753.67	1/2	1,365.43	1/2	977.18	1/2	589.76	1/2	201.93	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,133.83	3/4	1,745.59	3/4	1,357.34	3/4	969.09	3/4	581.68	3/4	193.85	3/4		3/4	3/4	3/4		3/4	3/4
11	2,125.75	11	1,737.50	11	1,349.25	11	961.00	11	573.60	11	185.77	11		11	11	11		11	11
1/4	2,117.66	1/4	1,729.41	1/4	1,341.16	1/4	952.91	1/4	565.52	1/4	177.69	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,109.57	1/2	1,721.32	1/2	1,333.07	1/2	944.82	1/2	557.44	1/2	169.61	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,101.48	3/4	1,713.23	3/4	1,324.98	3/4	936.74	3/4	549.36	3/4	161.53	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2012 CL - SW
CALCULATED: 09/10/2012 CL
PRINTED: 09/10/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2012

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



BARGE "KIRBY 28150"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,079.74	0	4,742.60	0	4,387.86	0	4,016.52	0	3,630.93	0	3,242.94	0	2,854.90
1/4		1/4		1/4		1/4	5,072.82	1/4	4,735.42	1/4	4,380.28	1/4	4,008.62	1/4	3,622.85	1/4	3,234.86	1/4	2,846.81
1/2		1/2		1/2		1/2	5,065.90	1/2	4,728.25	1/2	4,372.70	1/2	4,000.71	1/2	3,614.77	1/2	3,226.77	1/2	2,838.73
3/4		3/4		3/4		3/4	5,058.98	3/4	4,721.07	3/4	4,365.12	3/4	3,992.80	3/4	3,606.68	3/4	3,218.69	3/4	2,830.64
1		1		1		1	5,052.03	1	4,713.86	1	4,357.52	1	3,984.86	1	3,598.60	1	3,210.61	1	2,822.56
1/4		1/4		1/4		1/4	5,045.08	1/4	4,706.66	1/4	4,349.91	1/4	3,976.92	1/4	3,590.52	1/4	3,202.52	1/4	2,814.47
1/2		1/2		1/2		1/2	5,038.14	1/2	4,699.45	1/2	4,342.31	1/2	3,968.98	1/2	3,582.43	1/2	3,194.44	1/2	2,806.39
3/4		3/4		3/4		3/4	5,031.19	3/4	4,692.24	3/4	4,334.70	3/4	3,961.04	3/4	3,574.35	3/4	3,186.36	3/4	2,798.30
2		2		2		2	5,024.21	2	4,685.01	2	4,327.07	2	3,953.07	2	3,566.27	2	3,178.27	2	2,790.22
1/4		1/4		1/4		1/4	5,017.23	1/4	4,677.78	1/4	4,319.44	1/4	3,945.11	1/4	3,558.18	1/4	3,170.19	1/4	2,782.13
1/2		1/2		1/2		1/2	5,010.25	1/2	4,670.55	1/2	4,311.81	1/2	3,937.15	1/2	3,550.10	1/2	3,162.11	1/2	2,774.05
3/4		3/4		3/4		3/4	5,003.28	3/4	4,663.32	3/4	4,304.18	3/4	3,929.18	3/4	3,542.02	3/4	3,154.02	3/4	2,765.96
3		3		3		3	4,996.34	3	4,656.34	3	4,296.52	3	3,921.20	3	3,533.94	3	3,145.94	3	2,757.88
1/4		1/4		1/4		1/4	4,989.41	1/4	4,648.66	1/4	4,288.86	1/4	3,913.21	1/4	3,525.85	1/4	3,137.86	1/4	2,749.79
1/2		1/2		1/2		1/2	4,982.48	1/2	4,641.33	1/2	4,281.20	1/2	3,905.22	1/2	3,517.77	1/2	3,129.78	1/2	2,741.70
3/4		3/4		3/4		3/4	4,975.55	3/4	4,634.00	3/4	4,273.54	3/4	3,897.23	3/4	3,509.69	3/4	3,121.69	3/4	2,733.62
4		4		4		4	4,968.59	4	4,626.64	4	4,265.85	4	3,889.21	4	3,501.60	4	3,113.61	4	2,725.53
1/4		1/4		1/4		1/4	4,961.63	1/4	4,619.29	1/4	4,258.16	1/4	3,881.19	1/4	3,493.52	1/4	3,105.53	1/4	2,717.45
1/2		1/2		1/2		1/2	4,954.67	1/2	4,611.93	1/2	4,250.48	1/2	3,873.16	1/2	3,485.44	1/2	3,097.44	1/2	2,709.36
3/4		3/4		3/4		3/4	4,947.72	3/4	4,604.57	3/4	4,242.79	3/4	3,865.14	3/4	3,477.35	3/4	3,089.36	3/4	2,701.28
5		5		5		5	4,940.73	5	4,597.18	5	4,235.07	5	3,857.10	5	3,469.27	5	3,081.28	5	2,693.19
1/4		1/4		1/4		1/4	4,933.74	1/4	4,589.80	1/4	4,227.35	1/4	3,849.05	1/4	3,461.19	1/4	3,073.19	1/4	2,685.11
1/2		1/2		1/2		1/2	4,926.75	1/2	4,582.41	1/2	4,219.63	1/2	3,841.01	1/2	3,453.10	1/2	3,065.11	1/2	2,677.02
3/4		3/4		3/4		3/4	4,919.76	3/4	4,575.03	3/4	4,211.91	3/4	3,832.96	3/4	3,445.02	3/4	3,057.03	3/4	2,668.94
6		6		6		6	4,912.75	6	4,567.61	6	4,204.17	6	3,824.89	6	3,436.94	6	3,048.94	6	2,660.85
1/4		1/4		1/4	5,255.75	1/4	4,905.73	1/4	4,560.19	1/4	4,196.42	1/4	3,816.82	1/4	3,428.85	1/4	3,040.86	1/4	2,652.77
1/2		1/2		1/2	5,249.68	1/2	4,898.72	1/2	4,552.77	1/2	4,188.68	1/2	3,808.75	1/2	3,420.77	1/2	3,032.78	1/2	2,644.68
3/4		3/4		3/4	5,243.62	3/4	4,891.71	3/4	4,545.35	3/4	4,180.94	3/4	3,800.68	3/4	3,412.69	3/4	3,024.69	3/4	2,636.59
7		7		7	5,235.54	7	4,884.66	7	4,537.91	7	4,173.17	7	3,792.60	7	3,404.60	7	3,016.61	7	2,628.51
1/4		1/4		1/4	5,227.45	1/4	4,877.61	1/4	4,530.47	1/4	4,165.40	1/4	3,784.51	1/4	3,396.52	1/4	3,008.52	1/4	2,620.42
1/2		1/2		1/2	5,219.36	1/2	4,870.57	1/2	4,523.03	1/2	4,157.63	1/2	3,776.43	1/2	3,388.44	1/2	3,000.44	1/2	2,612.34
3/4		3/4		3/4	5,211.28	3/4	4,863.52	3/4	4,515.59	3/4	4,149.86	3/4	3,768.35	3/4	3,380.35	3/4	2,992.35	3/4	2,604.25
8		8		8	5,203.19	8	4,856.45	8	4,508.12	8	4,142.06	8	3,760.26	8	3,372.27	8	2,984.27	8	2,596.17
1/4		1/4		1/4	5,195.11	1/4	4,849.39	1/4	4,500.66	1/4	4,134.26	1/4	3,752.18	1/4	3,364.19	1/4	2,976.18	1/4	2,588.08
1/2		1/2		1/2	5,187.02	1/2	4,842.32	1/2	4,493.19	1/2	4,126.46	1/2	3,744.10	1/2	3,356.10	1/2	2,968.10	1/2	2,580.00
3/4		3/4		3/4	5,178.94	3/4	4,835.25	3/4	4,485.72	3/4	4,118.66	3/4	3,736.02	3/4	3,348.02	3/4	2,960.01	3/4	2,571.91
9		9		9	5,170.85	9	4,828.16	9	4,478.22	9	4,110.83	9	3,727.93	9	3,339.94	9	2,951.93	9	2,563.83
1/4		1/4		1/4	5,162.77	1/4	4,821.06	1/4	4,470.72	1/4	4,103.01	1/4	3,719.85	1/4	3,331.86	1/4	2,943.84	1/4	2,555.74
1/2		1/2		1/2	5,154.68	1/2	4,813.97	1/2	4,463.22	1/2	4,095.18	1/2	3,711.77	1/2	3,323.77	1/2	2,935.75	1/2	2,547.66
3/4		3/4		3/4	5,146.60	3/4	4,806.88	3/4	4,455.73	3/4	4,087.36	3/4	3,703.68	3/4	3,315.69	3/4	2,927.67	3/4	2,539.57
10		10		10	5,138.51	10	4,799.75	10	4,448.20	10	4,079.51	10	3,695.60	10	3,307.61	10	2,919.58	10	2,531.48
1/4		1/4		1/4	5,130.43	1/4	4,792.62	1/4	4,440.68	1/4	4,071.66	1/4	3,687.52	1/4	3,299.52	1/4	2,911.50	1/4	2,523.40
1/2		1/2		1/2	5,122.34	1/2	4,785.50	1/2	4,433.16	1/2	4,063.81	1/2	3,679.43	1/2	3,291.44	1/2	2,903.41	1/2	2,515.31
3/4		3/4		3/4	5,114.25	3/4	4,778.37	3/4	4,425.63	3/4	4,055.96	3/4	3,671.35	3/4	3,283.36	3/4	2,895.33	3/4	2,507.23
11		11		11	5,107.36	11	4,771.22	11	4,418.09	11	4,048.08	11	3,663.27	11	3,275.27	11	2,887.24	11	2,499.14
1/4		1/4		1/4	5,100.46	1/4	4,764.07	1/4	4,410.54	1/4	4,040.19	1/4	3,655.18	1/4	3,267.19	1/4	2,879.16	1/4	2,491.06
1/2		1/2		1/2	5,093.56	1/2	4,756.92	1/2	4,402.99	1/2	4,032.31	1/2	3,647.10	1/2	3,259.11	1/2	2,871.07	1/2	2,482.97
3/4		3/4		3/4	5,086.66	3/4	4,749.77	3/4	4,395.44	3/4	4,024.43	3/4	3,639.02	3/4	3,251.02	3/4	2,862.99	3/4	2,474.89

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 44'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 28150"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

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
	2,466.80		2,078.70		1,690.60		1,302.50		915.32		541.98		153.92								
1/4	2,458.72	1/4	2,070.62	1/4	1,682.52	1/4	1,294.42	1/4	907.55	1/4	533.90	1/4	145.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,450.63	1/2	2,062.53	1/2	1,674.43	1/2	1,286.33	1/2	899.77	1/2	525.81	1/2	137.75	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,442.54	3/4	2,054.45	3/4	1,666.35	3/4	1,278.25	3/4	891.99	3/4	517.73	3/4	129.67	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,434.46	1	2,046.36	1	1,658.26	1	1,270.16	1	884.23	1	509.64	1	121.59	1	1	1	1	1	1	1	1
1/4	2,426.37	1/4	2,038.27	1/4	1,650.18	1/4	1,262.08	1/4	876.47	1/4	501.56	1/4	113.50	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,418.29	1/2	2,030.19	1/2	1,642.09	1/2	1,253.99	1/2	868.71	1/2	493.47	1/2	105.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,410.20	3/4	2,022.10	3/4	1,634.00	3/4	1,245.91	3/4	860.95	3/4	485.39	3/4	97.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,402.12	2	2,014.02	2	1,625.92	2	1,237.82	2	853.20	2	477.30	2	89.25	2	2	2	2	2	2	2	2
1/4	2,394.03	1/4	2,005.93	1/4	1,617.83	1/4	1,229.73	1/4	845.44	1/4	469.22	1/4	81.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,385.95	1/2	1,997.85	1/2	1,609.75	1/2	1,221.65	1/2	837.69	1/2	461.13	1/2	73.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,377.86	3/4	1,989.76	3/4	1,601.66	3/4	1,213.56	3/4	829.94	3/4	453.05	3/4	64.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,369.78	3	1,981.68	3	1,593.58	3	1,205.48	3	822.19	3	444.97	3	57.92	3	3	3	3	3	3	3	3
1/4	2,361.69	1/4	1,973.59	1/4	1,585.49	1/4	1,197.39	1/4	814.44	1/4	436.88	1/4	50.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,353.61	1/2	1,965.51	1/2	1,577.41	1/2	1,189.31	1/2	806.69	1/2	428.80	1/2	43.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,345.52	3/4	1,957.42	3/4	1,569.32	3/4	1,181.22	3/4	798.94	3/4	420.71	3/4	36.69	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,337.43	4	1,949.34	4	1,561.24	4	1,173.14	4	791.18	4	412.63	4	31.64	4	4	4	4	4	4	4	4
1/4	2,329.35	1/4	1,941.25	1/4	1,553.15	1/4	1,165.05	1/4	783.43	1/4	404.54	1/4	26.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,321.26	1/2	1,933.16	1/2	1,545.07	1/2	1,156.97	1/2	775.68	1/2	396.46	1/2	21.53	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,313.18	3/4	1,925.08	3/4	1,536.98	3/4	1,148.88	3/4	767.93	3/4	388.37	3/4	16.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,305.09	5	1,916.99	5	1,528.89	5	1,140.80	5	760.18	5	380.29	5		5	5	5	5	5	5	5	5
1/4	2,297.01	1/4	1,908.91	1/4	1,520.81	1/4	1,132.71	1/4	752.43	1/4	372.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,288.92	1/2	1,900.82	1/2	1,512.72	1/2	1,124.62	1/2	744.67	1/2	364.12	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,280.84	3/4	1,892.74	3/4	1,504.64	3/4	1,116.54	3/4	736.92	3/4	356.04	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	2,272.75	6	1,884.65	6	1,496.55	6	1,108.45	6	729.17	6	347.95	6		6	6	6	6	6	6	6	6
1/4	2,264.67	1/4	1,876.57	1/4	1,488.47	1/4	1,100.37	1/4	721.42	1/4	339.87	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,256.58	1/2	1,868.48	1/2	1,480.38	1/2	1,092.28	1/2	713.67	1/2	331.78	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,248.50	3/4	1,860.40	3/4	1,472.30	3/4	1,084.20	3/4	705.92	3/4	323.70	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	2,240.41	7	1,852.31	7	1,464.21	7	1,076.11	7	698.17	7	315.61	7		7	7	7	7	7	7	7	7
1/4	2,232.32	1/4	1,844.23	1/4	1,456.13	1/4	1,068.03	1/4	690.42	1/4	307.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,224.24	1/2	1,836.14	1/2	1,448.04	1/2	1,059.94	1/2	682.67	1/2	299.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,216.15	3/4	1,828.05	3/4	1,439.96	3/4	1,051.86	3/4	674.92	3/4	291.36	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	2,208.07	8	1,819.97	8	1,431.87	8	1,043.77	8	667.17	8	283.28	8		8	8	8	8	8	8	8	8
1/4	2,199.98	1/4	1,811.88	1/4	1,423.78	1/4	1,035.69	1/4	659.42	1/4	275.19	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,191.90	1/2	1,803.80	1/2	1,415.70	1/2	1,027.60	1/2	651.67	1/2	267.11	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,183.81	3/4	1,795.71	3/4	1,407.61	3/4	1,019.51	3/4	643.92	3/4	259.02	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	2,175.73	9	1,787.63	9	1,399.53	9	1,011.43	9	636.16	9	250.94	9		9	9	9	9	9	9	9	9
1/4	2,167.64	1/4	1,779.54	1/4	1,391.44	1/4	1,003.34	1/4	628.40	1/4	242.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,159.56	1/2	1,771.46	1/2	1,383.36	1/2	995.26	1/2	620.64	1/2	234.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,151.47	3/4	1,763.37	3/4	1,375.27	3/4	987.17	3/4	612.88	3/4	226.68	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	2,143.39	10	1,755.29	10	1,367.19	10	979.09	10	605.11	10	218.60	10		10	10	10	10	10	10	10	10
1/4	2,135.30	1/4	1,747.20	1/4	1,359.10	1/4	971.00	1/4	597.34	1/4	210.52	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,127.21	1/2	1,739.12	1/2	1,351.02	1/2	962.92	1/2	589.56	1/2	202.43	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,119.13	3/4	1,731.03	3/4	1,342.93	3/4	954.83	3/4	581.79	3/4	194.35	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	2,111.04	11	1,722.94	11	1,334.85	11	946.90	11	573.86	11	186.26	11		11	11	11	11	11	11	11	11
1/4	2,102.96	1/4	1,714.86	1/4	1,326.76	1/4	938.97	1/4	565.93	1/4	178.18	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,094.87	1/2	1,706.77	1/2	1,318.67	1/2	931.03	1/2	558.00	1/2	170.09	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,086.79	3/4	1,698.69	3/4	1,310.59	3/4	923.10	3/4	550.06	3/4	162.01	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2012 CL - SW
CALCULATED: 09/10/2012 CL
PRINTED: 09/10/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2012

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



BARGE "KIRBY 28150"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,486.13	0	4,230.09	0	3,961.14	0	3,679.78	0	3,384.71	0	3,028.33	0	2,667.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,480.89	1/4	4,224.64	1/4	3,955.39	1/4	3,673.79	1/4	3,377.89	1/4	3,020.82	1/4	2,660.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,475.65	1/2	4,219.18	1/2	3,949.65	1/2	3,667.80	1/2	3,371.07	1/2	3,013.31	1/2	2,652.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,470.40	3/4	4,213.73	3/4	3,943.91	3/4	3,661.81	3/4	3,364.25	3/4	3,005.79	3/4	2,645.08
1		1		1		1	4,465.14	1	4,208.25	1	3,938.14	1	3,655.79	1	3,357.15	1	2,998.28	1	2,637.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,459.88	1/4	4,202.78	1/4	3,932.38	1/4	3,649.78	1/4	3,350.06	1/4	2,990.76	1/4	2,630.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,454.62	1/2	4,197.30	1/2	3,926.62	1/2	3,643.76	1/2	3,342.96	1/2	2,983.25	1/2	2,622.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,449.35	3/4	4,191.82	3/4	3,920.86	3/4	3,637.74	3/4	3,335.86	3/4	2,975.73	3/4	2,615.01
2		2		2		2	4,444.07	2	4,186.33	2	3,915.08	2	3,631.71	2	3,328.49	2	2,968.22	2	2,607.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,438.78	1/4	4,180.83	1/4	3,909.30	1/4	3,625.67	1/4	3,321.11	1/4	2,960.71	1/4	2,599.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,433.49	1/2	4,175.34	1/2	3,903.52	1/2	3,619.64	1/2	3,313.74	1/2	2,953.19	1/2	2,592.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,428.21	3/4	4,169.84	3/4	3,897.73	3/4	3,613.61	3/4	3,306.36	3/4	2,945.68	3/4	2,584.95
3		3		3		3	4,422.94	3	4,164.29	3	3,891.93	3	3,607.55	3	3,298.85	3	2,938.16	3	2,577.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,417.67	1/4	4,158.73	1/4	3,886.13	1/4	3,601.50	1/4	3,291.34	1/4	2,930.65	1/4	2,569.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,412.40	1/2	4,153.18	1/2	3,880.32	1/2	3,595.45	1/2	3,283.82	1/2	2,923.13	1/2	2,562.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,407.13	3/4	4,147.63	3/4	3,874.52	3/4	3,589.40	3/4	3,276.31	3/4	2,915.62	3/4	2,554.89
4		4		4		4	4,401.85	4	4,142.05	4	3,868.69	4	3,583.32	4	3,268.79	4	2,908.11	4	2,547.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,396.56	1/4	4,136.48	1/4	3,862.87	1/4	3,577.24	1/4	3,261.28	1/4	2,900.59	1/4	2,539.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,391.27	1/2	4,130.90	1/2	3,857.04	1/2	3,571.16	1/2	3,253.76	1/2	2,893.08	1/2	2,532.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,385.98	3/4	4,125.33	3/4	3,851.22	3/4	3,565.08	3/4	3,246.25	3/4	2,885.56	3/4	2,524.83
5		5		5		5	4,380.67	5	4,119.73	5	3,845.37	5	3,558.99	5	3,238.74	5	2,878.05	5	2,517.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,375.36	1/4	4,114.14	1/4	3,839.52	1/4	3,552.89	1/4	3,231.22	1/4	2,870.53	1/4	2,509.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,370.05	1/2	4,108.54	1/2	3,833.67	1/2	3,546.79	1/2	3,223.71	1/2	2,863.02	1/2	2,502.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,364.74	3/4	4,102.95	3/4	3,827.82	3/4	3,540.70	3/4	3,216.19	3/4	2,855.51	3/4	2,494.77
6		6		6		6	4,359.41	6	4,097.33	6	3,821.95	6	3,534.58	6	3,208.68	6	2,847.99	6	2,487.25
1/4	1/4	1/4	4,619.48	1/4	4,354.08	1/4	4,091.70	1/4	3,816.09	1/4	3,528.47	1/4	3,201.16	1/4	2,840.48	1/4	2,479.74		
1/2	1/2	1/2	4,614.89	1/2	4,348.75	1/2	4,086.08	1/2	3,810.22	1/2	3,522.36	1/2	3,193.65	1/2	2,832.96	1/2	2,472.22		
3/4	3/4	3/4	4,610.29	3/4	4,343.42	3/4	4,080.46	3/4	3,804.35	3/4	3,516.24	3/4	3,186.14	3/4	2,825.45	3/4	2,464.70		
7		7	4,604.17	7	4,338.06	7	4,074.82	7	3,798.47	7	3,510.12	7	3,178.62	7	2,817.93	7	2,457.19		
1/4	1/4	1/4	4,598.04	1/4	4,332.71	1/4	4,069.19	1/4	3,792.58	1/4	3,503.99	1/4	3,171.11	1/4	2,810.42	1/4	2,449.67		
1/2	1/2	1/2	4,591.92	1/2	4,327.35	1/2	4,063.55	1/2	3,786.70	1/2	3,497.87	1/2	3,163.59	1/2	2,802.90	1/2	2,442.16		
3/4	3/4	3/4	4,585.79	3/4	4,322.00	3/4	4,057.91	3/4	3,780.81	3/4	3,491.74	3/4	3,156.08	3/4	2,795.39	3/4	2,434.64		
8		8	4,579.66	8	4,316.62	8	4,052.25	8	3,774.90	8	3,485.62	8	3,148.56	8	2,787.87	8	2,427.13		
1/4	1/4	1/4	4,573.54	1/4	4,311.25	1/4	4,046.60	1/4	3,768.99	1/4	3,479.49	1/4	3,141.05	1/4	2,780.36	1/4	2,419.61		
1/2	1/2	1/2	4,567.41	1/2	4,305.88	1/2	4,040.94	1/2	3,763.08	1/2	3,473.37	1/2	3,133.54	1/2	2,772.84	1/2	2,412.10		
3/4	3/4	3/4	4,561.29	3/4	4,300.51	3/4	4,035.28	3/4	3,757.17	3/4	3,467.24	3/4	3,126.02	3/4	2,765.32	3/4	2,404.58		
9		9	4,555.16	9	4,295.12	9	4,029.60	9	3,751.24	9	3,461.12	9	3,118.51	9	2,757.81	9	2,397.07		
1/4	1/4	1/4	4,549.04	1/4	4,289.73	1/4	4,023.92	1/4	3,745.31	1/4	3,455.00	1/4	3,110.99	1/4	2,750.29	1/4	2,389.55		
1/2	1/2	1/2	4,542.91	1/2	4,284.34	1/2	4,018.24	1/2	3,739.38	1/2	3,448.87	1/2	3,103.48	1/2	2,742.78	1/2	2,382.03		
3/4	3/4	3/4	4,536.78	3/4	4,278.94	3/4	4,012.55	3/4	3,733.45	3/4	3,442.75	3/4	3,095.96	3/4	2,735.26	3/4	2,374.52		
10		10	4,530.66	10	4,273.53	10	4,006.85	10	3,727.50	10	3,436.48	10	3,088.45	10	2,727.75	10	2,367.00		
1/4	1/4	1/4	4,524.53	1/4	4,268.11	1/4	4,001.15	1/4	3,721.56	1/4	3,430.22	1/4	3,080.93	1/4	2,720.23	1/4	2,359.49		
1/2	1/2	1/2	4,518.41	1/2	4,262.70	1/2	3,995.46	1/2	3,715.61	1/2	3,423.96	1/2	3,073.42	1/2	2,712.72	1/2	2,351.97		
3/4	3/4	3/4	4,512.28	3/4	4,257.28	3/4	3,989.76	3/4	3,709.66	3/4	3,417.69	3/4	3,065.91	3/4	2,705.20	3/4	2,344.46		
11		11	4,507.06	11	4,251.85	11	3,984.04	11	3,703.69	11	3,411.15	11	3,058.39	11	2,697.69	11	2,336.94		
1/4	1/4	1/4	4,501.83	1/4	4,246.41	1/4	3,978.32	1/4	3,697.72	1/4	3,404.61	1/4	3,050.88	1/4	2,690.17	1/4	2,329.43		
1/2	1/2	1/2	4,496.60	1/2	4,240.98	1/2	3,972.60	1/2	3,691.75	1/2	3,398.07	1/2	3,043.36	1/2	2,682.65	1/2	2,321.91		
3/4	3/4	3/4	4,491.38	3/4	4,235.54	3/4	3,966.88	3/4	3,685.77	3/4	3,391.53	3/4	3,035.85	3/4	2,675.14	3/4	2,314.39		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-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 28150"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,306.88	0	1,946.14	0	1,585.39	0	1,224.65	0	864.69	0	503.96	0	143.23	0		0		0	
1/4	2,299.36	1/4	1,938.62	1/4	1,577.88	1/4	1,217.13	1/4	857.18	1/4	496.45	1/4	135.72	1/4	1/4	1/4		1/4	
1/2	2,291.85	1/2	1,931.10	1/2	1,570.36	1/2	1,209.62	1/2	849.66	1/2	488.93	1/2	128.20	1/2	1/2	1/2		1/2	
3/4	2,284.33	3/4	1,923.59	3/4	1,562.84	3/4	1,202.10	3/4	842.15	3/4	481.42	3/4	120.69	3/4	3/4	3/4		3/4	
1	2,276.82	1	1,916.07	1	1,555.33	1	1,194.59	1	834.63	1	473.90	1	113.17	1	1	1		1	
1/4	2,269.30	1/4	1,908.56	1/4	1,547.81	1/4	1,187.07	1/4	827.12	1/4	466.39	1/4	105.66	1/4	1/4	1/4		1/4	
1/2	2,261.79	1/2	1,901.04	1/2	1,540.30	1/2	1,179.55	1/2	819.60	1/2	458.87	1/2	98.14	1/2	1/2	1/2		1/2	
3/4	2,254.27	3/4	1,893.53	3/4	1,532.78	3/4	1,172.04	3/4	812.09	3/4	451.36	3/4	90.63	3/4	3/4	3/4		3/4	
2	2,246.76	2	1,886.01	2	1,525.27	2	1,164.52	2	804.57	2	443.84	2	83.11	2	2	2		2	
1/4	2,239.24	1/4	1,878.50	1/4	1,517.75	1/4	1,157.01	1/4	797.06	1/4	436.33	1/4	75.60	1/4	1/4	1/4		1/4	
1/2	2,231.72	1/2	1,870.98	1/2	1,510.24	1/2	1,149.49	1/2	789.54	1/2	428.81	1/2	68.08	1/2	1/2	1/2		1/2	
3/4	2,224.21	3/4	1,863.46	3/4	1,502.72	3/4	1,141.98	3/4	782.03	3/4	421.30	3/4	60.57	3/4	3/4	3/4		3/4	
3	2,216.69	3	1,855.95	3	1,495.21	3	1,134.46	3	774.51	3	413.78	3	53.99	3	3	3		3	
1/4	2,209.18	1/4	1,848.43	1/4	1,487.69	1/4	1,126.95	1/4	767.00	1/4	406.27	1/4	47.41	1/4	1/4	1/4		1/4	
1/2	2,201.66	1/2	1,840.92	1/2	1,480.17	1/2	1,119.43	1/2	759.48	1/2	398.75	1/2	40.84	1/2	1/2	1/2		1/2	
3/4	2,194.15	3/4	1,833.40	3/4	1,472.66	3/4	1,111.91	3/4	751.97	3/4	391.24	3/4	34.26	3/4	3/4	3/4		3/4	
4	2,186.63	4	1,825.89	4	1,465.14	4	1,104.42	4	744.45	4	383.72	4	29.56	4	4	4		4	
1/4	2,179.12	1/4	1,818.37	1/4	1,457.63	1/4	1,096.93	1/4	736.94	1/4	376.21	1/4	24.87	1/4	1/4	1/4		1/4	
1/2	2,171.60	1/2	1,810.86	1/2	1,450.11	1/2	1,089.44	1/2	729.42	1/2	368.69	1/2	20.17	1/2	1/2	1/2		1/2	
3/4	2,164.08	3/4	1,803.34	3/4	1,442.60	3/4	1,081.95	3/4	721.91	3/4	361.18	3/4	15.47	3/4	3/4	3/4		3/4	
5	2,156.57	5	1,795.83	5	1,435.08	5	1,074.46	5	714.39	5	353.66	5		5	5	5		5	
1/4	2,149.05	1/4	1,788.31	1/4	1,427.57	1/4	1,066.97	1/4	706.87	1/4	346.15	1/4		1/4	1/4	1/4		1/4	
1/2	2,141.54	1/2	1,780.79	1/2	1,420.05	1/2	1,059.48	1/2	699.36	1/2	338.63	1/2		1/2	1/2	1/2		1/2	
3/4	2,134.02	3/4	1,773.28	3/4	1,412.53	3/4	1,051.99	3/4	691.84	3/4	331.11	3/4		3/4	3/4	3/4		3/4	
6	2,126.51	6	1,765.76	6	1,405.02	6	1,044.50	6	684.33	6	323.60	6		6	6	6		6	
1/4	2,118.99	1/4	1,758.25	1/4	1,397.50	1/4	1,037.01	1/4	676.81	1/4	316.08	1/4		1/4	1/4	1/4		1/4	
1/2	2,111.48	1/2	1,750.73	1/2	1,389.99	1/2	1,029.52	1/2	669.30	1/2	308.57	1/2		1/2	1/2	1/2		1/2	
3/4	2,103.96	3/4	1,743.22	3/4	1,382.47	3/4	1,022.03	3/4	661.78	3/4	301.05	3/4		3/4	3/4	3/4		3/4	
7	2,096.45	7	1,735.70	7	1,374.96	7	1,014.53	7	654.27	7	293.54	7		7	7	7		7	
1/4	2,088.93	1/4	1,728.19	1/4	1,367.44	1/4	1,007.04	1/4	646.75	1/4	286.02	1/4		1/4	1/4	1/4		1/4	
1/2	2,081.41	1/2	1,720.67	1/2	1,359.93	1/2	999.55	1/2	639.24	1/2	278.51	1/2		1/2	1/2	1/2		1/2	
3/4	2,073.90	3/4	1,713.15	3/4	1,352.41	3/4	992.06	3/4	631.72	3/4	270.99	3/4		3/4	3/4	3/4		3/4	
8	2,066.38	8	1,705.64	8	1,344.90	8	984.57	8	624.21	8	263.48	8		8	8	8		8	
1/4	2,058.87	1/4	1,698.12	1/4	1,337.38	1/4	977.08	1/4	616.69	1/4	255.96	1/4		1/4	1/4	1/4		1/4	
1/2	2,051.35	1/2	1,690.61	1/2	1,329.86	1/2	969.59	1/2	609.18	1/2	248.45	1/2		1/2	1/2	1/2		1/2	
3/4	2,043.84	3/4	1,683.09	3/4	1,322.35	3/4	962.10	3/4	601.66	3/4	240.93	3/4		3/4	3/4	3/4		3/4	
9	2,036.32	9	1,675.58	9	1,314.83	9	954.61	9	594.15	9	233.42	9		9	9	9		9	
1/4	2,028.81	1/4	1,668.06	1/4	1,307.32	1/4	947.12	1/4	586.63	1/4	225.90	1/4		1/4	1/4	1/4		1/4	
1/2	2,021.29	1/2	1,660.55	1/2	1,299.80	1/2	939.63	1/2	579.12	1/2	218.39	1/2		1/2	1/2	1/2		1/2	
3/4	2,013.77	3/4	1,653.03	3/4	1,292.29	3/4	932.14	3/4	571.60	3/4	210.87	3/4		3/4	3/4	3/4		3/4	
10	2,006.26	10	1,645.52	10	1,284.77	10	924.64	10	564.09	10	203.36	10		10	10	10		10	
1/4	1,998.74	1/4	1,638.00	1/4	1,277.26	1/4	917.15	1/4	556.57	1/4	195.84	1/4		1/4	1/4	1/4		1/4	
1/2	1,991.23	1/2	1,630.48	1/2	1,269.74	1/2	909.66	1/2	549.06	1/2	188.33	1/2		1/2	1/2	1/2		1/2	
3/4	1,983.71	3/4	1,622.97	3/4	1,262.22	3/4	902.17	3/4	541.54	3/4	180.81	3/4		3/4	3/4	3/4		3/4	
11	1,976.20	11	1,615.45	11	1,254.71	11	894.68	11	534.03	11	173.30	11		11	11	11		11	
1/4	1,968.68	1/4	1,607.94	1/4	1,247.19	1/4	887.19	1/4	526.51	1/4	165.78	1/4		1/4	1/4	1/4		1/4	
1/2	1,961.17	1/2	1,600.42	1/2	1,239.68	1/2	879.70	1/2	518.99	1/2	158.27	1/2		1/2	1/2	1/2		1/2	
3/4	1,953.65	3/4	1,592.91	3/4	1,232.16	3/4	872.21	3/4	511.48	3/4	150.75	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2012 CL - SW
CALCULATED: 09/10/2012 CL
PRINTED: 09/10/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2012

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



BARGE "KIRBY 28150"

3 STBD 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	4,473.30	0	4,217.71	0	3,949.37	0	3,668.56	0	3,374.93	0	3,020.77	0	2,660.80
1/4		1/4		1/4		1/4	4,468.07	1/4	4,212.28	1/4	3,943.65	1/4	3,662.59	1/4	3,368.39	1/4	3,013.27	1/4	2,653.30
1/2		1/2		1/2		1/2	4,462.83	1/2	4,206.82	1/2	3,937.91	1/2	3,656.60	1/2	3,361.57	1/2	3,005.78	1/2	2,645.80
3/4		3/4		3/4		3/4	4,457.59	3/4	4,201.37	3/4	3,932.17	3/4	3,650.61	3/4	3,354.75	3/4	2,998.28	3/4	2,638.30
1		1		1		1	4,452.34	1	4,195.92	1	3,926.42	1	3,644.62	1	3,347.93	1	2,990.78	1	2,630.79
1/4		1/4		1/4		1/4	4,447.10	1/4	4,190.47	1/4	3,920.68	1/4	3,638.63	1/4	3,341.11	1/4	2,983.28	1/4	2,623.29
1/2		1/2		1/2		1/2	4,441.84	1/2	4,184.99	1/2	3,914.92	1/2	3,632.61	1/2	3,334.02	1/2	2,975.78	1/2	2,615.79
3/4		3/4		3/4		3/4	4,436.58	3/4	4,179.51	3/4	3,909.16	3/4	3,626.60	3/4	3,326.92	3/4	2,968.28	3/4	2,608.29
2		2		2		2	4,431.32	2	4,174.04	2	3,903.40	2	3,620.58	2	3,319.83	2	2,960.78	2	2,600.79
1/4		1/4		1/4		1/4	4,426.05	1/4	4,168.56	1/4	3,897.64	1/4	3,614.56	1/4	3,312.73	1/4	2,953.28	1/4	2,593.29
1/2		1/2		1/2		1/2	4,420.77	1/2	4,163.07	1/2	3,891.86	1/2	3,608.53	1/2	3,305.36	1/2	2,945.78	1/2	2,585.79
3/4		3/4		3/4		3/4	4,415.48	3/4	4,157.57	3/4	3,886.08	3/4	3,602.50	3/4	3,297.99	3/4	2,938.28	3/4	2,578.29
3		3		3		3	4,410.20	3	4,152.08	3	3,880.30	3	3,596.46	3	3,290.61	3	2,930.78	3	2,570.79
1/4		1/4		1/4		1/4	4,404.91	1/4	4,146.58	1/4	3,874.52	1/4	3,590.43	1/4	3,283.24	1/4	2,923.29	1/4	2,563.29
1/2		1/2		1/2		1/2	4,399.64	1/2	4,141.03	1/2	3,868.71	1/2	3,584.38	1/2	3,275.74	1/2	2,915.79	1/2	2,555.79
3/4		3/4		3/4		3/4	4,394.38	3/4	4,135.48	3/4	3,862.91	3/4	3,578.33	3/4	3,268.24	3/4	2,908.29	3/4	2,548.29
4		4		4		4	4,389.11	4	4,129.93	4	3,857.11	4	3,572.28	4	3,260.74	4	2,900.79	4	2,540.79
1/4		1/4		1/4		1/4	4,383.84	1/4	4,124.38	1/4	3,851.30	1/4	3,566.23	1/4	3,253.25	1/4	2,893.29	1/4	2,533.29
1/2		1/2		1/2		1/2	4,378.55	1/2	4,118.80	1/2	3,845.48	1/2	3,560.15	1/2	3,245.75	1/2	2,885.79	1/2	2,525.79
3/4		3/4		3/4		3/4	4,373.27	3/4	4,113.23	3/4	3,839.66	3/4	3,554.07	3/4	3,238.25	3/4	2,878.29	3/4	2,518.29
5		5		5		5	4,367.98	5	4,107.65	5	3,833.83	5	3,547.99	5	3,230.75	5	2,870.79	5	2,510.79
1/4		1/4		1/4		1/4	4,362.69	1/4	4,102.08	1/4	3,828.01	1/4	3,541.91	1/4	3,223.25	1/4	2,863.29	1/4	2,503.29
1/2		1/2		1/2		1/2	4,357.38	1/2	4,096.48	1/2	3,822.16	1/2	3,535.82	1/2	3,215.75	1/2	2,855.79	1/2	2,495.79
3/4		3/4		3/4		3/4	4,352.07	3/4	4,090.89	3/4	3,816.31	3/4	3,529.73	3/4	3,208.25	3/4	2,848.29	3/4	2,488.29
6		6		6		6	4,346.76	6	4,085.29	6	3,810.46	6	3,523.63	6	3,200.75	6	2,840.79	6	2,480.79
1/4		1/4		1/4		1/4	4,341.45	1/4	4,079.70	1/4	3,804.61	1/4	3,517.54	1/4	3,193.25	1/4	2,833.30	1/4	2,473.29
1/2		1/2		1/2		1/2	4,336.12	1/2	4,074.08	1/2	3,798.75	1/2	3,511.42	1/2	3,185.75	1/2	2,825.80	1/2	2,465.79
3/4		3/4		3/4	4,596.16	3/4	4,330.79	3/4	4,068.46	3/4	3,792.88	3/4	3,505.31	3/4	3,178.25	3/4	2,818.30	3/4	2,458.30
7		7		7	4,591.56	7	4,325.46	7	4,062.84	7	3,787.02	7	3,499.19	7	3,170.76	7	2,810.80	7	2,450.80
1/4		1/4		1/4	4,586.97	1/4	4,320.13	1/4	4,057.22	1/4	3,781.15	1/4	3,493.08	1/4	3,163.26	1/4	2,803.30	1/4	2,443.30
1/2		1/2		1/2	4,580.84	1/2	4,314.78	1/2	4,051.58	1/2	3,775.27	1/2	3,486.96	1/2	3,155.76	1/2	2,795.80	1/2	2,435.81
3/4		3/4		3/4	4,574.72	3/4	4,309.42	3/4	4,045.94	3/4	3,769.38	3/4	3,480.83	3/4	3,148.26	3/4	2,788.30	3/4	2,428.31
8		8		8	4,568.59	8	4,304.07	8	4,040.31	8	3,763.50	8	3,474.71	8	3,140.76	8	2,780.80	8	2,420.81
1/4		1/4		1/4	4,562.47	1/4	4,298.72	1/4	4,034.67	1/4	3,757.61	1/4	3,468.59	1/4	3,133.26	1/4	2,773.30	1/4	2,413.32
1/2		1/2		1/2	4,556.34	1/2	4,293.34	1/2	4,029.01	1/2	3,751.70	1/2	3,462.46	1/2	3,125.76	1/2	2,765.80	1/2	2,405.82
3/4		3/4		3/4	4,550.22	3/4	4,287.97	3/4	4,023.36	3/4	3,745.79	3/4	3,456.34	3/4	3,118.26	3/4	2,758.30	3/4	2,398.32
9		9		9	4,544.09	9	4,282.60	9	4,017.70	9	3,739.88	9	3,450.22	9	3,110.76	9	2,750.80	9	2,390.83
1/4		1/4		1/4	4,537.97	1/4	4,277.23	1/4	4,012.05	1/4	3,733.97	1/4	3,444.09	1/4	3,103.26	1/4	2,743.30	1/4	2,383.33
1/2		1/2		1/2	4,531.84	1/2	4,271.84	1/2	4,006.36	1/2	3,728.04	1/2	3,437.97	1/2	3,095.76	1/2	2,735.80	1/2	2,375.83
3/4		3/4		3/4	4,525.72	3/4	4,266.45	3/4	4,000.68	3/4	3,722.12	3/4	3,431.85	3/4	3,088.27	3/4	2,728.30	3/4	2,368.34
10		10		10	4,519.60	10	4,261.06	10	3,995.00	10	3,716.19	10	3,425.72	10	3,080.77	10	2,720.80	10	2,360.84
1/4		1/4		1/4	4,513.47	1/4	4,255.67	1/4	3,989.32	1/4	3,710.26	1/4	3,419.60	1/4	3,073.27	1/4	2,713.30	1/4	2,353.35
1/2		1/2		1/2	4,507.35	1/2	4,250.25	1/2	3,983.62	1/2	3,704.31	1/2	3,413.34	1/2	3,065.77	1/2	2,705.80	1/2	2,345.85
3/4		3/4		3/4	4,501.22	3/4	4,244.84	3/4	3,977.92	3/4	3,698.37	3/4	3,407.07	3/4	3,058.27	3/4	2,698.30	3/4	2,338.35
11		11		11	4,495.10	11	4,239.42	11	3,972.22	11	3,692.42	11	3,400.81	11	3,050.77	11	2,690.80	11	2,330.86
1/4		1/4		1/4	4,488.97	1/4	4,234.01	1/4	3,966.52	1/4	3,686.47	1/4	3,394.55	1/4	3,043.27	1/4	2,683.30	1/4	2,323.36
1/2		1/2		1/2	4,483.75	1/2	4,228.58	1/2	3,960.81	1/2	3,680.50	1/2	3,388.01	1/2	3,035.77	1/2	2,675.80	1/2	2,315.86
3/4		3/4		3/4	4,478.52	3/4	4,223.14	3/4	3,955.09	3/4	3,674.53	3/4	3,381.47	3/4	3,028.27	3/4	2,668.30	3/4	2,308.37

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28150"

3 STBD 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
1/4	2,293.37	1/4	1,934.63	1/4	1,576.42	1/4	1,216.36	1/4	863.08	1/4	510.64	1/4	150.72	1/4		1/4		1/4	
1/2	2,285.87	1/2	1,927.20	1/2	1,568.92	1/2	1,209.00	1/2	855.71	1/2	503.21	1/2	143.20	1/2		1/2		1/2	
3/4	2,278.37	3/4	1,919.76	3/4	1,561.42	3/4	1,201.64	3/4	848.35	3/4	495.77	3/4	135.69	3/4		3/4		3/4	
1	2,270.87	1	1,912.32	1	1,553.91	1	1,194.27	1	840.98	1	488.34	1	128.18	1		1		1	
1/4	2,263.37	1/4	1,904.89	1/4	1,546.41	1/4	1,186.91	1/4	833.62	1/4	480.90	1/4	120.66	1/4		1/4		1/4	
1/2	2,255.87	1/2	1,897.45	1/2	1,538.91	1/2	1,179.54	1/2	826.26	1/2	473.40	1/2	113.15	1/2		1/2		1/2	
3/4	2,248.37	3/4	1,890.02	3/4	1,531.41	3/4	1,172.18	3/4	818.90	3/4	465.90	3/4	105.64	3/4		3/4		3/4	
2	2,240.86	2	1,882.58	2	1,523.91	2	1,164.81	2	811.53	2	458.40	2	98.12	2		2		2	
1/4	2,233.36	1/4	1,875.15	1/4	1,516.41	1/4	1,157.45	1/4	804.17	1/4	450.90	1/4	90.61	1/4		1/4		1/4	
1/2	2,225.86	1/2	1,867.71	1/2	1,508.91	1/2	1,150.08	1/2	796.83	1/2	443.39	1/2	83.09	1/2		1/2		1/2	
3/4	2,218.36	3/4	1,860.28	3/4	1,501.41	3/4	1,142.72	3/4	789.48	3/4	435.89	3/4	75.58	3/4		3/4		3/4	
3	2,210.86	3	1,852.84	3	1,493.91	3	1,135.35	3	782.14	3	428.39	3	68.07	3		3		3	
1/4	2,203.36	1/4	1,845.41	1/4	1,486.40	1/4	1,127.99	1/4	774.79	1/4	420.89	1/4	60.55	1/4		1/4		1/4	
1/2	2,195.86	1/2	1,837.97	1/2	1,478.90	1/2	1,120.62	1/2	767.46	1/2	413.39	1/2	53.98	1/2		1/2		1/2	
3/4	2,188.36	3/4	1,830.54	3/4	1,471.40	3/4	1,113.26	3/4	760.13	3/4	405.88	3/4	47.40	3/4		3/4		3/4	
4	2,180.85	4	1,823.10	4	1,463.90	4	1,105.89	4	752.80	4	398.38	4	40.83	4		4		4	
1/4	2,173.35	1/4	1,815.66	1/4	1,456.40	1/4	1,098.53	1/4	745.47	1/4	390.88	1/4	34.25	1/4		1/4		1/4	
1/2	2,165.85	1/2	1,808.23	1/2	1,448.90	1/2	1,091.17	1/2	738.14	1/2	383.38	1/2	29.56	1/2		1/2		1/2	
3/4	2,158.35	3/4	1,800.79	3/4	1,441.40	3/4	1,083.81	3/4	730.80	3/4	375.88	3/4	24.86	3/4		3/4		3/4	
5	2,150.85	5	1,793.36	5	1,433.90	5	1,076.45	5	723.47	5	368.37	5	20.17	5		5		5	
1/4	2,143.35	1/4	1,785.92	1/4	1,426.40	1/4	1,069.10	1/4	716.14	1/4	360.87	1/4	15.47	1/4		1/4		1/4	
1/2	2,135.85	1/2	1,778.49	1/2	1,418.90	1/2	1,061.74	1/2	708.81	1/2	353.37	1/2		1/2		1/2		1/2	
3/4	2,128.35	3/4	1,771.05	3/4	1,411.39	3/4	1,054.38	3/4	701.47	3/4	345.87	3/4		3/4		3/4		3/4	
6	2,120.84	6	1,763.62	6	1,403.89	6	1,047.02	6	694.14	6	338.36	6		6		6		6	
1/4	2,113.34	1/4	1,756.18	1/4	1,396.39	1/4	1,039.66	1/4	686.81	1/4	330.86	1/4		1/4		1/4		1/4	
1/2	2,105.84	1/2	1,748.75	1/2	1,388.89	1/2	1,032.31	1/2	679.47	1/2	323.36	1/2		1/2		1/2		1/2	
3/4	2,098.34	3/4	1,741.31	3/4	1,381.39	3/4	1,024.95	3/4	672.14	3/4	315.86	3/4		3/4		3/4		3/4	
7	2,090.84	7	1,733.87	7	1,373.89	7	1,017.59	7	664.81	7	308.36	7		7		7		7	
1/4	2,083.34	1/4	1,726.44	1/4	1,366.39	1/4	1,010.23	1/4	657.47	1/4	300.85	1/4		1/4		1/4		1/4	
1/2	2,075.90	1/2	1,718.94	1/2	1,358.89	1/2	1,002.88	1/2	650.14	1/2	293.35	1/2		1/2		1/2		1/2	
3/4	2,068.47	3/4	1,711.44	3/4	1,351.38	3/4	995.52	3/4	642.81	3/4	285.85	3/4		3/4		3/4		3/4	
8	2,061.03	8	1,703.94	8	1,343.88	8	988.16	8	635.48	8	278.35	8		8		8		8	
1/4	2,053.60	1/4	1,696.44	1/4	1,336.38	1/4	980.80	1/4	628.14	1/4	270.85	1/4		1/4		1/4		1/4	
1/2	2,046.16	1/2	1,688.93	1/2	1,328.88	1/2	973.44	1/2	620.81	1/2	263.34	1/2		1/2		1/2		1/2	
3/4	2,038.73	3/4	1,681.43	3/4	1,321.38	3/4	966.09	3/4	613.48	3/4	255.84	3/4		3/4		3/4		3/4	
9	2,031.29	9	1,673.93	9	1,313.88	9	958.73	9	606.14	9	248.34	9		9		9		9	
1/4	2,023.86	1/4	1,666.43	1/4	1,306.38	1/4	951.37	1/4	598.81	1/4	240.84	1/4		1/4		1/4		1/4	
1/2	2,016.42	1/2	1,658.93	1/2	1,298.88	1/2	944.01	1/2	591.48	1/2	233.34	1/2		1/2		1/2		1/2	
3/4	2,008.98	3/4	1,651.43	3/4	1,291.38	3/4	936.65	3/4	584.14	3/4	225.83	3/4		3/4		3/4		3/4	
10	2,001.55	10	1,643.93	10	1,283.87	10	929.30	10	576.81	10	218.33	10		10		10		10	
1/4	1,994.11	1/4	1,636.43	1/4	1,276.37	1/4	921.94	1/4	569.48	1/4	210.83	1/4		1/4		1/4		1/4	
1/2	1,986.68	1/2	1,628.93	1/2	1,268.87	1/2	914.58	1/2	562.13	1/2	203.32	1/2		1/2		1/2		1/2	
3/4	1,979.24	3/4	1,621.42	3/4	1,261.37	3/4	907.22	3/4	554.78	3/4	195.80	3/4		3/4		3/4		3/4	
11	1,971.81	11	1,613.92	11	1,253.87	11	899.86	11	547.44	11	188.29	11		11		11		11	
1/4	1,964.37	1/4	1,606.42	1/4	1,246.37	1/4	892.51	1/4	540.09	1/4	180.77	1/4		1/4		1/4		1/4	
1/2	1,956.94	1/2	1,598.92	1/2	1,238.87	1/2	885.15	1/2	532.73	1/2	173.26	1/2		1/2		1/2		1/2	
3/4	1,949.50	3/4	1,591.42	3/4	1,231.37	3/4	877.79	3/4	525.37	3/4	165.75	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2012 CL - SW
CALCULATED: 09/10/2012 CL
PRINTED: 09/10/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2012

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