



BARGE "KIRBY 28138"

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	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
1 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
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	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
3 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-09"

May 3, 2011

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28138"

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	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	4,207.93	1/4	3,918.79	1/4	3,615.28	1/4	3,297.87	1/4	2,968.27	1/4	2,636.63	1/4	2,304.96		
1/2		1/2		1/2		1/2	4,202.01	1/2	3,912.63	1/2	3,608.80	1/2	3,291.11	1/2	2,961.36	1/2	2,629.72	1/2	2,298.05		
3/4		3/4		3/4		3/4	4,196.10	3/4	3,906.47	3/4	3,602.32	3/4	3,284.35	3/4	2,954.45	3/4	2,622.81	3/4	2,291.14		
1		1		1		1	4,190.18	1	3,900.31	1	3,595.84	1	3,277.60	1	2,947.55	1	2,615.90	1	2,284.23		
1/4		1/4		1/4		1/4	4,184.25	1/4	3,894.12	1/4	3,589.34	1/4	3,270.81	1/4	2,940.64	1/4	2,608.99	1/4	2,277.32		
1/2		1/2		1/2		1/2	4,178.31	1/2	3,887.94	1/2	3,582.84	1/2	3,264.02	1/2	2,933.73	1/2	2,602.09	1/2	2,270.41		
3/4		3/4		3/4		3/4	4,172.37	3/4	3,881.75	3/4	3,576.34	3/4	3,257.23	3/4	2,926.82	3/4	2,595.18	3/4	2,263.50		
2		2		2		2	4,166.44	2	3,875.56	2	3,569.84	2	3,250.44	2	2,919.91	2	2,588.27	2	2,256.59		
1/4		1/4		1/4		1/4	4,160.47	1/4	3,869.35	1/4	3,563.32	1/4	3,243.63	1/4	2,913.00	1/4	2,581.36	1/4	2,249.68		
1/2		1/2		1/2		1/2	4,154.51	1/2	3,863.15	1/2	3,556.80	1/2	3,236.83	1/2	2,906.09	1/2	2,574.45	1/2	2,242.77		
3/4		3/4		3/4		3/4	4,148.54	3/4	3,856.94	3/4	3,550.28	3/4	3,230.02	3/4	2,899.18	3/4	2,567.54	3/4	2,235.86		
3		3		3		3	4,142.58	3	3,850.73	3	3,543.75	3	3,223.21	3	2,892.27	3	2,560.63	3	2,228.95		
1/4		1/4		1/4		1/4	4,136.63	1/4	3,844.47	1/4	3,537.20	1/4	3,216.39	1/4	2,885.36	1/4	2,553.72	1/4	2,222.04		
1/2		1/2		1/2		1/2	4,130.68	1/2	3,838.20	1/2	3,530.66	1/2	3,209.56	1/2	2,878.45	1/2	2,546.81	1/2	2,215.13		
3/4		3/4		3/4		3/4	4,124.73	3/4	3,831.94	3/4	3,524.11	3/4	3,202.73	3/4	2,871.54	3/4	2,539.90	3/4	2,208.22		
4		4		4		4	4,118.78	4	3,825.67	4	3,517.56	4	3,195.90	4	2,864.64	4	2,532.99	4	2,201.31		
1/4		1/4		1/4		1/4	4,112.80	1/4	3,819.38	1/4	3,510.99	1/4	3,189.04	1/4	2,857.73	1/4	2,526.08	1/4	2,194.40		
1/2		1/2		1/2		1/2	4,106.83	1/2	3,813.09	1/2	3,504.42	1/2	3,182.19	1/2	2,850.82	1/2	2,519.18	1/2	2,187.49		
3/4		3/4		3/4		3/4	4,100.86	3/4	3,806.80	3/4	3,497.85	3/4	3,175.33	3/4	2,843.91	3/4	2,512.27	3/4	2,180.58		
5		5		5		5	4,094.88	5	3,800.51	5	3,491.28	5	3,168.47	5	2,837.00	5	2,505.36	5	2,173.67		
1/4		1/4		1/4		1/4	4,088.88	1/4	3,794.20	1/4	3,484.68	1/4	3,161.59	1/4	2,830.09	1/4	2,498.45	1/4	2,166.76		
1/2		1/2		1/2		1/2	4,082.89	1/2	3,787.89	1/2	3,478.08	1/2	3,154.72	1/2	2,823.18	1/2	2,491.54	1/2	2,159.85		
3/4		3/4		3/4		3/4	4,076.89	3/4	3,781.58	3/4	3,471.48	3/4	3,147.84	3/4	2,816.27	3/4	2,484.63	3/4	2,152.94		
6		6		6		6	4,070.89	6	3,775.26	6	3,464.88	6	3,140.96	6	2,809.36	6	2,477.72	6	2,146.03		
1/4		1/4		1/4	4,363.54	1/4	4,064.87	1/4	3,768.92	1/4	3,458.26	1/4	3,134.06	1/4	2,802.45	1/4	2,470.81	1/4	2,139.12		
1/2		1/2		1/2	4,358.36	1/2	4,058.84	1/2	3,762.58	1/2	3,451.64	1/2	3,127.17	1/2	2,795.54	1/2	2,463.90	1/2	2,132.20		
3/4		3/4		3/4	4,353.18	3/4	4,052.82	3/4	3,756.24	3/4	3,445.02	3/4	3,120.27	3/4	2,788.63	3/4	2,456.99	3/4	2,125.29		
7		7		7	4,347.99	7	4,046.80	7	3,749.90	7	3,438.41	7	3,113.37	7	2,781.72	7	2,450.08	7	2,118.38		
1/4		1/4		1/4	4,341.08	1/4	4,040.75	1/4	3,743.54	1/4	3,431.77	1/4	3,106.46	1/4	2,774.82	1/4	2,443.17	1/4	2,111.47		
1/2		1/2		1/2	4,334.17	1/2	4,034.70	1/2	3,737.18	1/2	3,425.13	1/2	3,099.55	1/2	2,767.91	1/2	2,436.26	1/2	2,104.56		
3/4		3/4		3/4	4,327.26	3/4	4,028.66	3/4	3,730.82	3/4	3,418.49	3/4	3,092.64	3/4	2,761.00	3/4	2,429.35	3/4	2,097.65		
8		8		8	4,320.35	8	4,022.61	8	3,724.46	8	3,411.85	8	3,085.73	8	2,754.09	8	2,422.44	8	2,090.74		
1/4		1/4		1/4	4,313.44	1/4	4,016.54	1/4	3,718.08	1/4	3,405.18	1/4	3,078.82	1/4	2,747.18	1/4	2,415.53	1/4	2,083.83		
1/2		1/2		1/2	4,306.53	1/2	4,010.47	1/2	3,711.69	1/2	3,398.51	1/2	3,071.91	1/2	2,740.27	1/2	2,408.62	1/2	2,076.92		
3/4		3/4		3/4	4,299.62	3/4	4,004.40	3/4	3,705.31	3/4	3,391.84	3/4	3,065.00	3/4	2,733.36	3/4	2,401.71	3/4	2,070.01		
9		9		9	4,292.71	9	3,998.33	9	3,698.93	9	3,385.17	9	3,058.09	9	2,726.45	9	2,394.80	9	2,063.10		
1/4		1/4		1/4	4,285.80	1/4	3,992.24	1/4	3,692.52	1/4	3,378.48	1/4	3,051.18	1/4	2,719.54	1/4	2,387.89	1/4	2,056.19		
1/2		1/2		1/2	4,278.89	1/2	3,986.15	1/2	3,686.11	1/2	3,371.80	1/2	3,044.27	1/2	2,712.63	1/2	2,380.98	1/2	2,049.28		
3/4		3/4		3/4	4,271.98	3/4	3,980.06	3/4	3,679.70	3/4	3,365.11	3/4	3,037.37	3/4	2,705.72	3/4	2,374.07	3/4	2,042.37		
10		10		10	4,265.07	10	3,973.97	10	3,673.29	10	3,358.42	10	3,030.46	10	2,698.81	10	2,367.16	10	2,035.46		
1/4		1/4		1/4	4,258.16	1/4	3,967.86	1/4	3,666.86	1/4	3,351.71	1/4	3,023.55	1/4	2,691.91	1/4	2,360.25	1/4	2,028.55		
1/2		1/2		1/2	4,251.25	1/2	3,961.74	1/2	3,660.43	1/2	3,345.00	1/2	3,016.64	1/2	2,685.00	1/2	2,353.34	1/2	2,021.64		
3/4		3/4		3/4	4,244.34	3/4	3,955.62	3/4	3,654.00	3/4	3,338.29	3/4	3,009.73	3/4	2,678.09	3/4	2,346.43	3/4	2,014.73		
11		11		11	4,237.43	11	3,949.50	11	3,647.57	11	3,331.58	11	3,002.82	11	2,671.18	11	2,339.52	11	2,007.82		
1/4		1/4		1/4	4,231.53	1/4	3,943.36	1/4	3,641.11	1/4	3,324.84	1/4	2,995.91	1/4	2,664.27	1/4	2,332.61	1/4	2,000.91		
1/2		1/2		1/2	4,225.64	1/2	3,937.23	1/2	3,634.66	1/2	3,318.10	1/2	2,989.00	1/2	2,657.36	1/2	2,325.70	1/2	1,994.00		
3/4		3/4		3/4	4,219.74	3/4	3,931.09	3/4	3,628.21	3/4	3,311.37	3/4	2,982.09	3/4	2,650.45	3/4	2,318.79	3/4	1,987.09		
					4,213.84		3,924.95		3,621.76		3,304.63		2,975.18		2,643.54		2,311.88		1,980.18		

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 37'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 28138"

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	1,973.27	0	1,641.57	0	1,309.87	0	978.58	0	662.57	0	369.66	0	100.36	0		0		0	
1/4	1,966.36	1/4	1,634.66	1/4	1,302.96	1/4	971.76	1/4	656.23	1/4	363.81	1/4	95.00	1/4	1/4	1/4		1/4	
1/2	1,959.44	1/2	1,627.75	1/2	1,296.05	1/2	964.93	1/2	649.89	1/2	357.96	1/2	89.65	1/2	1/2	1/2		1/2	
3/4	1,952.53	3/4	1,620.84	3/4	1,289.14	3/4	958.10	3/4	643.55	3/4	352.11	3/4	84.30	3/4	3/4	3/4		3/4	
1	1,945.62	1	1,613.92	1	1,282.23	1	951.32	1	637.25	1	346.31	1	78.99	1	1	1		1	
1/4	1,938.71	1/4	1,607.01	1/4	1,275.32	1/4	944.55	1/4	630.96	1/4	340.51	1/4	73.68	1/4	1/4	1/4		1/4	
1/2	1,931.80	1/2	1,600.10	1/2	1,268.40	1/2	937.78	1/2	624.66	1/2	334.70	1/2	68.37	1/2	1/2	1/2		1/2	
3/4	1,924.89	3/4	1,593.19	3/4	1,261.49	3/4	931.01	3/4	618.37	3/4	328.90	3/4	63.06	3/4	3/4	3/4		3/4	
2	1,917.98	2	1,586.28	2	1,254.58	2	924.27	2	612.11	2	323.13	2	57.79	2	2	2		2	
1/4	1,911.07	1/4	1,579.37	1/4	1,247.67	1/4	917.54	1/4	605.85	1/4	317.37	1/4	52.52	1/4	1/4	1/4		1/4	
1/2	1,904.16	1/2	1,572.46	1/2	1,240.76	1/2	910.81	1/2	599.60	1/2	311.60	1/2	47.25	1/2	1/2	1/2		1/2	
3/4	1,897.25	3/4	1,565.55	3/4	1,233.85	3/4	904.08	3/4	593.34	3/4	305.84	3/4	41.98	3/4	3/4	3/4		3/4	
3	1,890.34	3	1,558.64	3	1,226.94	3	897.38	3	587.12	3	300.12	3	37.62	3	3	3		3	
1/4	1,883.43	1/4	1,551.73	1/4	1,220.03	1/4	890.69	1/4	580.91	1/4	294.39	1/4	33.25	1/4	1/4	1/4		1/4	
1/2	1,876.52	1/2	1,544.82	1/2	1,213.12	1/2	884.00	1/2	574.70	1/2	288.67	1/2	28.89	1/2	1/2	1/2		1/2	
3/4	1,869.61	3/4	1,537.91	3/4	1,206.21	3/4	877.31	3/4	568.48	3/4	282.95	3/4	24.53	3/4	3/4	3/4		3/4	
4	1,862.70	4	1,531.00	4	1,199.30	4	870.66	4	562.31	4	277.27	4	21.93	4	4	4		4	
1/4	1,855.79	1/4	1,524.09	1/4	1,192.39	1/4	864.01	1/4	556.13	1/4	271.58	1/4	19.34	1/4	1/4	1/4		1/4	
1/2	1,848.88	1/2	1,517.18	1/2	1,185.48	1/2	857.36	1/2	549.96	1/2	265.90	1/2	16.74	1/2	1/2	1/2		1/2	
3/4	1,841.97	3/4	1,510.27	3/4	1,178.57	3/4	850.71	3/4	543.78	3/4	260.22	3/4	14.14	3/4	3/4	3/4		3/4	
5	1,835.06	5	1,503.36	5	1,171.66	5	844.10	5	537.65	5	254.58	5		5	5	5		5	
1/4	1,828.15	1/4	1,496.45	1/4	1,164.75	1/4	837.49	1/4	531.52	1/4	248.94	1/4		1/4	1/4	1/4		1/4	
1/2	1,821.24	1/2	1,489.54	1/2	1,157.84	1/2	830.88	1/2	525.39	1/2	243.30	1/2		1/2	1/2	1/2		1/2	
3/4	1,814.33	3/4	1,482.63	3/4	1,150.93	3/4	824.28	3/4	519.25	3/4	237.66	3/4		3/4	3/4	3/4		3/4	
6	1,807.42	6	1,475.72	6	1,144.02	6	817.71	6	513.16	6	232.06	6		6	6	6		6	
1/4	1,800.51	1/4	1,468.81	1/4	1,137.11	1/4	811.14	1/4	507.07	1/4	226.45	1/4		1/4	1/4	1/4		1/4	
1/2	1,793.60	1/2	1,461.90	1/2	1,130.20	1/2	804.57	1/2	500.97	1/2	220.85	1/2		1/2	1/2	1/2		1/2	
3/4	1,786.68	3/4	1,454.99	3/4	1,123.29	3/4	798.00	3/4	494.88	3/4	215.25	3/4		3/4	3/4	3/4		3/4	
7	1,779.77	7	1,448.08	7	1,116.38	7	791.47	7	488.83	7	209.69	7		7	7	7		7	
1/4	1,772.86	1/4	1,441.16	1/4	1,109.47	1/4	784.95	1/4	482.78	1/4	204.14	1/4		1/4	1/4	1/4		1/4	
1/2	1,765.95	1/2	1,434.25	1/2	1,102.56	1/2	778.42	1/2	476.73	1/2	198.58	1/2		1/2	1/2	1/2		1/2	
3/4	1,759.04	3/4	1,427.34	3/4	1,095.64	3/4	771.89	3/4	470.68	3/4	193.02	3/4		3/4	3/4	3/4		3/4	
8	1,752.13	8	1,420.43	8	1,088.74	8	765.41	8	464.67	8	187.50	8		8	8	8		8	
1/4	1,745.22	1/4	1,413.52	1/4	1,081.83	1/4	758.92	1/4	458.66	1/4	181.98	1/4		1/4	1/4	1/4		1/4	
1/2	1,738.31	1/2	1,406.61	1/2	1,074.92	1/2	752.43	1/2	452.65	1/2	176.46	1/2		1/2	1/2	1/2		1/2	
3/4	1,731.40	3/4	1,399.70	3/4	1,068.01	3/4	745.95	3/4	446.64	3/4	170.94	3/4		3/4	3/4	3/4		3/4	
9	1,724.49	9	1,392.79	9	1,061.11	9	739.49	9	440.67	9	165.46	9		9	9	9		9	
1/4	1,717.58	1/4	1,385.88	1/4	1,054.20	1/4	733.02	1/4	434.70	1/4	159.99	1/4		1/4	1/4	1/4		1/4	
1/2	1,710.67	1/2	1,378.97	1/2	1,047.30	1/2	726.56	1/2	428.73	1/2	154.51	1/2		1/2	1/2	1/2		1/2	
3/4	1,703.76	3/4	1,372.06	3/4	1,040.40	3/4	720.10	3/4	422.76	3/4	149.04	3/4		3/4	3/4	3/4		3/4	
10	1,696.85	10	1,365.15	10	1,033.52	10	713.68	10	416.84	10	143.60	10		10	10	10		10	
1/4	1,689.94	1/4	1,358.24	1/4	1,026.63	1/4	707.26	1/4	410.91	1/4	138.16	1/4		1/4	1/4	1/4		1/4	
1/2	1,683.03	1/2	1,351.33	1/2	1,019.75	1/2	700.84	1/2	404.98	1/2	132.72	1/2		1/2	1/2	1/2		1/2	
3/4	1,676.12	3/4	1,344.42	3/4	1,012.86	3/4	694.42	3/4	399.05	3/4	127.28	3/4		3/4	3/4	3/4		3/4	
11	1,669.21	11	1,337.51	11	1,006.00	11	688.04	11	393.16	11	121.89	11		11	11	11		11	
1/4	1,662.30	1/4	1,330.60	1/4	999.14	1/4	681.66	1/4	387.28	1/4	116.50	1/4		1/4	1/4	1/4		1/4	
1/2	1,655.39	1/2	1,323.69	1/2	992.28	1/2	675.29	1/2	381.39	1/2	111.10	1/2		1/2	1/2	1/2		1/2	
3/4	1,648.48	3/4	1,316.78	3/4	985.41	3/4	668.91	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: 05/03/2011 CL - SW
CALCULATED: 05/03/2011 CL
PRINTED: 05/03/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

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



BARGE "KIRBY 28138"

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	4,205.06	0	3,915.99	0	3,612.56	0	3,295.23	0	2,965.72	0	2,634.17	0	2,302.59
1/4		1/4		1/4		1/4	4,199.14	1/4	3,909.83	1/4	3,606.08	1/4	3,288.48	1/4	2,958.81	1/4	2,627.26	1/4	2,295.68
1/2		1/2		1/2		1/2	4,193.23	1/2	3,903.67	1/2	3,599.61	1/2	3,281.72	1/2	2,951.91	1/2	2,620.35	1/2	2,288.77
3/4		3/4		3/4		3/4	4,187.31	3/4	3,897.52	3/4	3,593.13	3/4	3,274.96	3/4	2,945.00	3/4	2,613.44	3/4	2,281.86
1		1		1		1	4,181.38	1	3,891.33	1	3,586.63	1	3,268.18	1	2,938.09	1	2,606.54	1	2,274.95
1/4		1/4		1/4		1/4	4,175.44	1/4	3,885.15	1/4	3,580.13	1/4	3,261.39	1/4	2,931.19	1/4	2,599.63	1/4	2,268.04
1/2		1/2		1/2		1/2	4,169.51	1/2	3,878.96	1/2	3,573.63	1/2	3,254.60	1/2	2,924.28	1/2	2,592.72	1/2	2,261.14
3/4		3/4		3/4		3/4	4,163.57	3/4	3,872.78	3/4	3,567.13	3/4	3,247.82	3/4	2,917.37	3/4	2,585.82	3/4	2,254.23
2		2		2		2	4,157.61	2	3,866.57	2	3,560.61	2	3,241.01	2	2,910.46	2	2,578.91	2	2,247.32
1/4		1/4		1/4		1/4	4,151.65	1/4	3,860.36	1/4	3,554.09	1/4	3,234.21	1/4	2,903.56	1/4	2,572.00	1/4	2,240.41
1/2		1/2		1/2		1/2	4,145.69	1/2	3,854.16	1/2	3,547.57	1/2	3,227.40	1/2	2,896.65	1/2	2,565.09	1/2	2,233.50
3/4		3/4		3/4		3/4	4,139.72	3/4	3,847.95	3/4	3,541.05	3/4	3,220.60	3/4	2,889.74	3/4	2,558.19	3/4	2,226.59
3		3		3		3	4,133.77	3	3,841.69	3	3,534.51	3	3,213.77	3	2,882.83	3	2,551.28	3	2,219.68
1/4		1/4		1/4		1/4	4,127.82	1/4	3,835.42	1/4	3,527.96	1/4	3,206.94	1/4	2,875.93	1/4	2,544.37	1/4	2,212.77
1/2		1/2		1/2		1/2	4,121.88	1/2	3,829.16	1/2	3,521.41	1/2	3,200.12	1/2	2,869.02	1/2	2,537.46	1/2	2,205.87
3/4		3/4		3/4		3/4	4,115.93	3/4	3,822.90	3/4	3,514.87	3/4	3,193.29	3/4	2,862.11	3/4	2,530.56	3/4	2,198.96
4		4		4		4	4,109.95	4	3,816.61	4	3,508.30	4	3,186.43	4	2,855.20	4	2,523.65	4	2,192.05
1/4		1/4		1/4		1/4	4,103.98	1/4	3,810.32	1/4	3,501.73	1/4	3,179.58	1/4	2,848.30	1/4	2,516.74	1/4	2,185.14
1/2		1/2		1/2		1/2	4,098.01	1/2	3,804.03	1/2	3,495.16	1/2	3,172.72	1/2	2,841.39	1/2	2,509.83	1/2	2,178.23
3/4		3/4		3/4		3/4	4,092.04	3/4	3,797.75	3/4	3,488.59	3/4	3,165.87	3/4	2,834.48	3/4	2,502.93	3/4	2,171.32
5		5		5		5	4,086.04	5	3,791.43	5	3,481.99	5	3,158.99	5	2,827.57	5	2,496.02	5	2,164.41
1/4		1/4		1/4		1/4	4,080.04	1/4	3,785.12	1/4	3,475.40	1/4	3,152.12	1/4	2,820.67	1/4	2,489.11	1/4	2,157.51
1/2		1/2		1/2		1/2	4,074.05	1/2	3,778.81	1/2	3,468.80	1/2	3,145.24	1/2	2,813.76	1/2	2,482.20	1/2	2,150.60
3/4		3/4		3/4		3/4	4,068.05	3/4	3,772.50	3/4	3,462.20	3/4	3,138.37	3/4	2,806.85	3/4	2,475.30	3/4	2,143.69
6		6		6		6	4,062.03	6	3,766.16	6	3,455.58	6	3,131.47	6	2,799.94	6	2,468.39	6	2,136.78
1/4		1/4		1/4	4,355.45	1/4	4,056.01	1/4	3,759.82	1/4	3,448.97	1/4	3,124.57	1/4	2,793.04	1/4	2,461.48	1/4	2,129.87
1/2		1/2		1/2	4,350.26	1/2	4,049.99	1/2	3,753.48	1/2	3,442.35	1/2	3,117.68	1/2	2,786.13	1/2	2,454.57	1/2	2,122.96
3/4		3/4		3/4	4,345.08	3/4	4,043.97	3/4	3,747.14	3/4	3,435.73	3/4	3,110.78	3/4	2,779.22	3/4	2,447.67	3/4	2,116.05
7		7		7	4,338.17	7	4,037.92	7	3,740.79	7	3,429.09	7	3,103.87	7	2,772.32	7	2,440.76	7	2,109.15
1/4		1/4		1/4	4,331.26	1/4	4,031.88	1/4	3,734.43	1/4	3,422.46	1/4	3,096.96	1/4	2,765.41	1/4	2,433.85	1/4	2,102.24
1/2		1/2		1/2	4,324.36	1/2	4,025.83	1/2	3,728.07	1/2	3,415.82	1/2	3,090.06	1/2	2,758.50	1/2	2,426.94	1/2	2,095.33
3/4		3/4		3/4	4,317.45	3/4	4,019.78	3/4	3,721.71	3/4	3,409.18	3/4	3,083.15	3/4	2,751.59	3/4	2,420.03	3/4	2,088.42
8		8		8	4,310.54	8	4,013.71	8	3,715.33	8	3,402.51	8	3,076.24	8	2,744.69	8	2,413.12	8	2,081.51
1/4		1/4		1/4	4,303.63	1/4	4,007.65	1/4	3,708.95	1/4	3,395.85	1/4	3,069.33	1/4	2,737.78	1/4	2,406.22	1/4	2,074.60
1/2		1/2		1/2	4,296.72	1/2	4,001.58	1/2	3,702.57	1/2	3,389.18	1/2	3,062.43	1/2	2,730.87	1/2	2,399.31	1/2	2,067.69
3/4		3/4		3/4	4,289.81	3/4	3,995.51	3/4	3,696.19	3/4	3,382.51	3/4	3,055.52	3/4	2,723.96	3/4	2,392.40	3/4	2,060.79
9		9		9	4,282.90	9	3,989.43	9	3,689.78	9	3,375.83	9	3,048.61	9	2,717.06	9	2,385.49	9	2,053.88
1/4		1/4		1/4	4,276.00	1/4	3,983.34	1/4	3,683.37	1/4	3,369.14	1/4	3,041.70	1/4	2,710.15	1/4	2,378.58	1/4	2,046.97
1/2		1/2		1/2	4,269.09	1/2	3,977.25	1/2	3,676.96	1/2	3,362.45	1/2	3,034.80	1/2	2,703.24	1/2	2,371.67	1/2	2,040.06
3/4		3/4		3/4	4,262.18	3/4	3,971.16	3/4	3,670.55	3/4	3,355.77	3/4	3,027.89	3/4	2,696.33	3/4	2,364.76	3/4	2,033.15
10		10		10	4,255.27	10	3,965.04	10	3,664.13	10	3,349.06	10	3,020.98	10	2,689.43	10	2,357.86	10	2,026.24
1/4		1/4		1/4	4,248.36	1/4	3,958.93	1/4	3,657.70	1/4	3,342.35	1/4	3,014.07	1/4	2,682.52	1/4	2,350.95	1/4	2,019.33
1/2		1/2		1/2	4,241.45	1/2	3,952.81	1/2	3,651.27	1/2	3,335.64	1/2	3,007.17	1/2	2,675.61	1/2	2,344.04	1/2	2,012.43
3/4		3/4		3/4	4,234.54	3/4	3,946.70	3/4	3,644.84	3/4	3,328.93	3/4	3,000.26	3/4	2,668.70	3/4	2,337.13	3/4	2,005.52
11		11		11	4,228.65	11	3,940.56	11	3,638.39	11	3,322.20	11	2,993.35	11	2,661.80	11	2,330.22	11	1,998.61
1/4		1/4		1/4	4,222.76	1/4	3,934.42	1/4	3,631.94	1/4	3,315.46	1/4	2,986.44	1/4	2,654.89	1/4	2,323.31	1/4	1,991.70
1/2		1/2		1/2	4,216.86	1/2	3,928.29	1/2	3,625.49	1/2	3,308.73	1/2	2,979.54	1/2	2,647.98	1/2	2,316.40	1/2	1,984.79
3/4		3/4		3/4	4,210.97	3/4	3,922.15	3/4	3,619.04	3/4	3,301.99	3/4	2,972.63	3/4	2,641.07	3/4	2,309.50	3/4	1,977.88

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 37'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28138"

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.	
0	1,970.97	0	1,639.36	0	1,307.75	0	976.71	0	662.38	0	369.55	0	100.33	0		0		0	
1/4	1,964.07	1/4	1,632.45	1/4	1,300.84	1/4	969.92	1/4	656.05	1/4	363.71	1/4	94.98	1/4	1/4	1/4		1/4	
1/2	1,957.16	1/2	1,625.54	1/2	1,293.93	1/2	963.12	1/2	649.71	1/2	357.86	1/2	89.62	1/2	1/2	1/2		1/2	
3/4	1,950.25	3/4	1,618.64	3/4	1,287.02	3/4	956.33	3/4	643.37	3/4	352.02	3/4	84.27	3/4	3/4	3/4		3/4	
1	1,943.34	1	1,611.73	1	1,280.11	1	949.60	1	637.08	1	346.21	1	78.97	1	1	1		1	
1/4	1,936.43	1/4	1,604.82	1/4	1,273.21	1/4	942.87	1/4	630.78	1/4	340.41	1/4	73.66	1/4	1/4	1/4		1/4	
1/2	1,929.52	1/2	1,597.91	1/2	1,266.30	1/2	936.14	1/2	624.49	1/2	334.61	1/2	68.35	1/2	1/2	1/2		1/2	
3/4	1,922.61	3/4	1,591.00	3/4	1,259.39	3/4	929.40	3/4	618.19	3/4	328.81	3/4	63.04	3/4	3/4	3/4		3/4	
2	1,915.71	2	1,584.09	2	1,252.48	2	922.71	2	611.94	2	323.04	2	57.77	2	2	2		2	
1/4	1,908.80	1/4	1,577.18	1/4	1,245.57	1/4	916.02	1/4	605.68	1/4	317.28	1/4	52.50	1/4	1/4	1/4		1/4	
1/2	1,901.89	1/2	1,570.28	1/2	1,238.66	1/2	909.33	1/2	599.43	1/2	311.52	1/2	47.24	1/2	1/2	1/2		1/2	
3/4	1,894.98	3/4	1,563.37	3/4	1,231.75	3/4	902.64	3/4	593.17	3/4	305.75	3/4	41.97	3/4	3/4	3/4		3/4	
3	1,888.07	3	1,556.46	3	1,224.85	3	895.99	3	586.96	3	300.03	3	37.60	3	3	3		3	
1/4	1,881.16	1/4	1,549.55	1/4	1,217.94	1/4	889.34	1/4	580.75	1/4	294.31	1/4	33.24	1/4	1/4	1/4		1/4	
1/2	1,874.25	1/2	1,542.64	1/2	1,211.03	1/2	882.68	1/2	574.53	1/2	288.59	1/2	28.88	1/2	1/2	1/2		1/2	
3/4	1,867.34	3/4	1,535.73	3/4	1,204.12	3/4	876.03	3/4	568.32	3/4	282.87	3/4	24.52	3/4	3/4	3/4		3/4	
4	1,860.44	4	1,528.82	4	1,197.21	4	869.42	4	562.15	4	277.19	4	21.93	4	4	4		4	
1/4	1,853.53	1/4	1,521.91	1/4	1,190.30	1/4	862.81	1/4	555.98	1/4	271.51	1/4	19.33	1/4	1/4	1/4		1/4	
1/2	1,846.62	1/2	1,515.01	1/2	1,183.39	1/2	856.20	1/2	549.80	1/2	265.83	1/2	16.74	1/2	1/2	1/2		1/2	
3/4	1,839.71	3/4	1,508.10	3/4	1,176.48	3/4	849.59	3/4	543.63	3/4	260.14	3/4	14.14	3/4	3/4	3/4		3/4	
5	1,832.80	5	1,501.19	5	1,169.58	5	843.03	5	537.50	5	254.51	5		5	5	5		5	
1/4	1,825.89	1/4	1,494.28	1/4	1,162.67	1/4	836.46	1/4	531.37	1/4	248.87	1/4		1/4	1/4	1/4		1/4	
1/2	1,818.98	1/2	1,487.37	1/2	1,155.76	1/2	829.89	1/2	525.24	1/2	243.23	1/2		1/2	1/2	1/2		1/2	
3/4	1,812.08	3/4	1,480.46	3/4	1,148.85	3/4	823.32	3/4	519.11	3/4	237.59	3/4		3/4	3/4	3/4		3/4	
6	1,805.17	6	1,473.55	6	1,141.94	6	816.79	6	513.02	6	231.99	6		6	6	6		6	
1/4	1,798.26	1/4	1,466.65	1/4	1,135.03	1/4	810.26	1/4	506.93	1/4	226.39	1/4		1/4	1/4	1/4		1/4	
1/2	1,791.35	1/2	1,459.74	1/2	1,128.12	1/2	803.74	1/2	500.83	1/2	220.79	1/2		1/2	1/2	1/2		1/2	
3/4	1,784.44	3/4	1,452.83	3/4	1,121.22	3/4	797.21	3/4	494.74	3/4	215.19	3/4		3/4	3/4	3/4		3/4	
7	1,777.53	7	1,445.92	7	1,114.31	7	790.72	7	488.69	7	209.63	7		7	7	7		7	
1/4	1,770.62	1/4	1,439.01	1/4	1,107.40	1/4	784.23	1/4	482.65	1/4	204.08	1/4		1/4	1/4	1/4		1/4	
1/2	1,763.72	1/2	1,432.10	1/2	1,100.49	1/2	777.75	1/2	476.60	1/2	198.52	1/2		1/2	1/2	1/2		1/2	
3/4	1,756.81	3/4	1,425.19	3/4	1,093.58	3/4	771.26	3/4	470.55	3/4	192.97	3/4		3/4	3/4	3/4		3/4	
8	1,749.90	8	1,418.29	8	1,086.67	8	764.81	8	464.54	8	187.45	8		8	8	8		8	
1/4	1,742.99	1/4	1,411.38	1/4	1,079.77	1/4	758.37	1/4	458.53	1/4	181.93	1/4		1/4	1/4	1/4		1/4	
1/2	1,736.08	1/2	1,404.47	1/2	1,072.86	1/2	751.92	1/2	452.52	1/2	176.41	1/2		1/2	1/2	1/2		1/2	
3/4	1,729.17	3/4	1,397.56	3/4	1,065.95	3/4	745.47	3/4	446.51	3/4	170.89	3/4		3/4	3/4	3/4		3/4	
9	1,722.26	9	1,390.65	9	1,059.05	9	739.05	9	440.55	9	165.42	9		9	9	9		9	
1/4	1,715.36	1/4	1,383.74	1/4	1,052.15	1/4	732.63	1/4	434.58	1/4	159.94	1/4		1/4	1/4	1/4		1/4	
1/2	1,708.45	1/2	1,376.83	1/2	1,045.25	1/2	726.21	1/2	428.61	1/2	154.47	1/2		1/2	1/2	1/2		1/2	
3/4	1,701.54	3/4	1,369.93	3/4	1,038.35	3/4	719.78	3/4	422.65	3/4	149.00	3/4		3/4	3/4	3/4		3/4	
10	1,694.63	10	1,363.02	10	1,031.47	10	713.39	10	416.72	10	143.56	10		10	10	10		10	
1/4	1,687.72	1/4	1,356.11	1/4	1,024.59	1/4	707.01	1/4	410.79	1/4	138.12	1/4		1/4	1/4	1/4		1/4	
1/2	1,680.81	1/2	1,349.20	1/2	1,017.70	1/2	700.62	1/2	404.86	1/2	132.68	1/2		1/2	1/2	1/2		1/2	
3/4	1,673.90	3/4	1,342.29	3/4	1,010.82	3/4	694.23	3/4	398.94	3/4	127.24	3/4		3/4	3/4	3/4		3/4	
11	1,667.00	11	1,335.38	11	1,003.99	11	687.85	11	393.05	11	121.85	11		11	11	11		11	
1/4	1,660.09	1/4	1,328.47	1/4	997.16	1/4	681.47	1/4	387.17	1/4	116.46	1/4		1/4	1/4	1/4		1/4	
1/2	1,653.18	1/2	1,321.57	1/2	990.33	1/2	675.10	1/2	381.28	1/2	111.07	1/2		1/2	1/2	1/2		1/2	
3/4	1,646.27	3/4	1,314.66	3/4	983.50	3/4	668.72	3/4	375.40	3/4	105.68	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/03/2011 CL - SW
CALCULATED: 05/03/2011 CL
PRINTED: 05/03/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 28138"

2 PORT 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	IN	0
							5,101.84		4,764.88		4,410.47		4,039.37		3,653.86		3,265.78		2,877.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,094.92	1/4	4,757.70	1/4	4,402.89	1/4	4,031.46	1/4	3,645.77	1/4	3,257.70	1/4	2,869.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,088.00	1/2	4,750.53	1/2	4,395.31	1/2	4,023.55	1/2	3,637.69	1/2	3,249.61	1/2	2,861.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,081.07	3/4	4,743.35	3/4	4,387.72	3/4	4,015.64	3/4	3,629.61	3/4	3,241.53	3/4	2,853.39		
1	1	1	1	1	1	1	5,074.15	1	4,736.17	1	4,380.14	1	4,007.73	1	3,621.52	1	3,233.44	1	2,845.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,067.20	1/4	4,728.96	1/4	4,372.54	1/4	3,999.79	1/4	3,613.44	1/4	3,225.36	1/4	2,837.22		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,060.25	1/2	4,721.76	1/2	4,364.93	1/2	3,991.85	1/2	3,605.35	1/2	3,217.28	1/2	2,829.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,053.31	3/4	4,714.55	3/4	4,357.32	3/4	3,983.90	3/4	3,597.27	3/4	3,209.19	3/4	2,821.04		
2	2	2	2	2	2	2	5,046.36	2	4,707.34	2	4,349.72	2	3,975.96	2	3,589.18	2	3,201.11	2	2,812.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,039.38	1/4	4,700.11	1/4	4,342.08	1/4	3,967.99	1/4	3,581.10	1/4	3,193.02	1/4	2,804.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,032.40	1/2	4,692.87	1/2	4,334.45	1/2	3,960.03	1/2	3,573.01	1/2	3,184.94	1/2	2,796.78		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,025.42	3/4	4,685.64	3/4	4,326.82	3/4	3,952.06	3/4	3,564.93	3/4	3,176.85	3/4	2,788.69		
3	3	3	3	3	3	3	5,018.44	3	4,678.41	3	4,319.19	3	3,944.10	3	3,556.84	3	3,168.77	3	2,780.60		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,011.50	1/4	4,671.08	1/4	4,311.52	1/4	3,936.11	1/4	3,548.76	1/4	3,160.68	1/4	2,772.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,004.57	1/2	4,663.75	1/2	4,303.86	1/2	3,928.12	1/2	3,540.67	1/2	3,152.60	1/2	2,764.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,997.64	3/4	4,656.42	3/4	4,296.20	3/4	3,920.13	3/4	3,532.59	3/4	3,144.51	3/4	2,756.34		
4	4	4	4	4	4	4	4,990.70	4	4,649.09	4	4,288.54	4	3,912.14	4	3,524.50	4	3,136.43	4	2,748.25		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,983.74	1/4	4,641.73	1/4	4,280.85	1/4	3,904.11	1/4	3,516.42	1/4	3,128.34	1/4	2,740.17		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,976.79	1/2	4,634.36	1/2	4,273.16	1/2	3,896.09	1/2	3,508.33	1/2	3,120.26	1/2	2,732.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,969.83	3/4	4,627.00	3/4	4,265.47	3/4	3,888.06	3/4	3,500.25	3/4	3,112.17	3/4	2,723.99		
5	5	5	5	5	5	5	4,962.87	5	4,619.64	5	4,257.78	5	3,880.04	5	3,492.16	5	3,104.09	5	2,715.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,955.88	1/4	4,612.26	1/4	4,250.06	1/4	3,871.99	1/4	3,484.08	1/4	3,096.00	1/4	2,707.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,948.89	1/2	4,604.87	1/2	4,242.34	1/2	3,863.94	1/2	3,475.99	1/2	3,087.92	1/2	2,699.73		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,941.90	3/4	4,597.48	3/4	4,234.61	3/4	3,855.90	3/4	3,467.91	3/4	3,079.83	3/4	2,691.64		
6	6	6	6	6	6	6	4,934.91	6	4,590.10	6	4,226.89	6	3,847.85	6	3,459.82	6	3,071.75	6	2,683.55		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,927.89	1/4	4,582.68	1/4	4,219.15	1/4	3,839.78	1/4	3,451.74	1/4	3,063.66	1/4	2,675.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,270.97	1/2	4,920.88	1/2	4,575.26	1/2	4,211.40	1/2	3,831.70	1/2	3,443.65	1/2	3,055.58	1/2	2,667.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,264.91	3/4	4,913.86	3/4	4,567.84	3/4	4,203.66	3/4	3,823.63	3/4	3,435.57	3/4	3,047.49	3/4	2,659.29
7	7	7	7	7	7	7	4,906.84	7	4,560.42	7	4,195.91	7	3,815.56	7	3,427.48	7	3,039.41	7	2,651.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,899.80	1/4	4,552.97	1/4	4,188.14	1/4	3,807.47	1/4	3,419.40	1/4	3,031.32	1/4	2,643.11		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,242.67	1/2	4,892.75	1/2	4,545.53	1/2	4,180.37	1/2	3,799.39	1/2	3,411.31	1/2	3,023.23	1/2	2,635.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,234.58	3/4	4,885.70	3/4	4,538.09	3/4	4,172.60	3/4	3,791.30	3/4	3,403.23	3/4	3,015.14	3/4	2,626.94
8	8	8	8	8	8	8	4,878.66	8	4,530.64	8	4,164.83	8	3,783.22	8	3,395.14	8	3,007.06	8	2,618.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,218.40	1/4	4,871.59	1/4	4,523.18	1/4	4,157.03	1/4	3,775.13	1/4	3,387.06	1/4	2,998.97	1/4	2,610.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,210.32	1/2	4,864.52	1/2	4,515.71	1/2	4,149.23	1/2	3,767.05	1/2	3,378.97	1/2	2,990.88	1/2	2,602.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,202.23	3/4	4,857.45	3/4	4,508.24	3/4	4,141.42	3/4	3,758.96	3/4	3,370.89	3/4	2,982.79	3/4	2,594.59
9	9	9	9	9	9	9	4,850.38	9	4,500.77	9	4,133.62	9	3,750.88	9	3,362.80	9	2,974.71	9	2,586.50		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,194.14	1/4	4,850.38	1/4	4,500.77	1/4	4,133.62	1/4	3,750.88	1/4	3,362.80	1/4	2,974.71	1/4	2,586.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,186.05	1/2	4,843.28	1/2	4,493.27	1/2	4,125.79	1/2	3,742.79	1/2	3,354.72	1/2	2,966.62	1/2	2,578.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,177.96	3/4	4,836.19	3/4	4,485.77	3/4	4,117.97	3/4	3,734.71	3/4	3,346.63	3/4	2,958.53	3/4	2,570.33
10	10	10	10	10	10	10	4,829.09	10	4,478.27	10	4,110.14	10	3,726.62	10	3,338.55	10	2,950.44	10	2,562.24		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,161.79	1/4	4,822.00	1/4	4,470.77	1/4	4,102.31	1/4	3,718.54	1/4	3,330.46	1/4	2,942.36	1/4	2,554.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,153.70	1/2	4,814.87	1/2	4,463.24	1/2	4,094.46	1/2	3,710.45	1/2	3,322.38	1/2	2,934.27	1/2	2,546.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,145.61	3/4	4,807.74	3/4	4,455.72	3/4	4,086.61	3/4	3,702.37	3/4	3,314.29	3/4	2,926.18	3/4	2,537.98
11	11	11	11	11	11	11	4,800.61	11	4,448.19	11	4,078.76	11	3,694.28	11	3,306.21	11	2,918.09	11	2,529.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,129.44	1/4	4,793.49	1/4	4,440.67	1/4	4,070.90	1/4	3,686.20	1/4	3,298.12	1/4	2,910.01	1/4	2,521.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,122.54	1/2	4,786.33	1/2	4,433.12	1/2	4,063.02	1/2	3,678.11	1/2	3,290.04	1/2	2,901.92	1/2	2,513.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,115.64	3/4	4,779.18	3/4	4,425.57	3/4	4,055.14	3/4	3,670.03	3/4	3,281.95	3/4	2,893.83	3/4	2,505.63
12	12	12	12	12	12	12	4,772.03	12	4,418.02	12	4,047.25	12	3,661.94	12	3,273.87	12	2,885.74	12	2,497.54		

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 28138"

2 PORT 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	2,489.45	0	2,101.25	0	1,713.04	0	1,324.84	0	936.63	0	549.30	0	161.51	0		0		0	
1/4	2,481.36	1/4	2,093.16	1/4	1,704.95	1/4	1,316.75	1/4	928.54	1/4	541.22	1/4	153.43	1/4	1/4	1/4		1/4	1/4
1/2	2,473.28	1/2	2,085.07	1/2	1,696.87	1/2	1,308.66	1/2	920.46	1/2	533.14	1/2	145.35	1/2	1/2	1/2		1/2	1/2
3/4	2,465.19	3/4	2,076.98	3/4	1,688.78	3/4	1,300.57	3/4	912.37	3/4	525.06	3/4	137.28	3/4	3/4	3/4		3/4	3/4
1	2,457.10	1	2,068.90	1	1,680.69	1	1,292.49	1	904.28	1	516.98	1	129.20	1	1	1		1	1
1/4	2,449.01	1/4	2,060.81	1/4	1,672.60	1/4	1,284.40	1/4	896.21	1/4	508.90	1/4	121.12	1/4	1/4	1/4		1/4	1/4
1/2	2,440.92	1/2	2,052.72	1/2	1,664.52	1/2	1,276.31	1/2	888.13	1/2	500.83	1/2	113.04	1/2	1/2	1/2		1/2	1/2
3/4	2,432.84	3/4	2,044.63	3/4	1,656.43	3/4	1,268.22	3/4	880.05	3/4	492.75	3/4	104.96	3/4	3/4	3/4		3/4	3/4
2	2,424.75	2	2,036.54	2	1,648.34	2	1,260.14	2	871.98	2	484.67	2	96.88	2	2	2		2	2
1/4	2,416.66	1/4	2,028.46	1/4	1,640.25	1/4	1,252.05	1/4	863.92	1/4	476.59	1/4	88.80	1/4	1/4	1/4		1/4	1/4
1/2	2,408.57	1/2	2,020.37	1/2	1,632.16	1/2	1,243.96	1/2	855.85	1/2	468.51	1/2	80.72	1/2	1/2	1/2		1/2	1/2
3/4	2,400.49	3/4	2,012.28	3/4	1,624.08	3/4	1,235.87	3/4	847.79	3/4	460.43	3/4	72.64	3/4	3/4	3/4		3/4	3/4
3	2,392.40	3	2,004.19	3	1,615.99	3	1,227.78	3	839.73	3	452.35	3	64.56	3	3	3		3	3
1/4	2,384.31	1/4	1,996.11	1/4	1,607.90	1/4	1,219.70	1/4	831.66	1/4	444.27	1/4	57.50	1/4	1/4	1/4		1/4	1/4
1/2	2,376.22	1/2	1,988.02	1/2	1,599.81	1/2	1,211.61	1/2	823.60	1/2	436.19	1/2	50.43	1/2	1/2	1/2		1/2	1/2
3/4	2,368.14	3/4	1,979.93	3/4	1,591.73	3/4	1,203.52	3/4	815.54	3/4	428.12	3/4	43.36	3/4	3/4	3/4		3/4	3/4
4	2,360.05	4	1,971.84	4	1,583.64	4	1,195.43	4	807.47	4	420.04	4	36.29	4	4	4		4	4
1/4	2,351.96	1/4	1,963.76	1/4	1,575.55	1/4	1,187.35	1/4	799.41	1/4	411.96	1/4	31.24	1/4	1/4	1/4		1/4	1/4
1/2	2,343.87	1/2	1,955.67	1/2	1,567.46	1/2	1,179.26	1/2	791.35	1/2	403.88	1/2	26.20	1/2	1/2	1/2		1/2	1/2
3/4	2,335.79	3/4	1,947.58	3/4	1,559.38	3/4	1,171.17	3/4	783.29	3/4	395.80	3/4	21.15	3/4	3/4	3/4		3/4	3/4
5	2,327.70	5	1,939.49	5	1,551.29	5	1,163.08	5	775.22	5	387.72	5	16.10	5	5	5		5	5
1/4	2,319.61	1/4	1,931.41	1/4	1,543.20	1/4	1,155.00	1/4	767.16	1/4	379.64	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,311.52	1/2	1,923.32	1/2	1,535.11	1/2	1,146.91	1/2	759.10	1/2	371.56	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,303.44	3/4	1,915.23	3/4	1,527.03	3/4	1,138.82	3/4	751.03	3/4	363.48	3/4		3/4	3/4	3/4		3/4	3/4
6	2,295.35	6	1,907.14	6	1,518.94	6	1,130.73	6	742.97	6	355.41	6		6	6	6		6	6
1/4	2,287.26	1/4	1,899.06	1/4	1,510.85	1/4	1,122.65	1/4	734.91	1/4	347.33	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,279.17	1/2	1,890.97	1/2	1,502.76	1/2	1,114.56	1/2	726.84	1/2	339.25	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,271.09	3/4	1,882.88	3/4	1,494.68	3/4	1,106.47	3/4	718.78	3/4	331.17	3/4		3/4	3/4	3/4		3/4	3/4
7	2,263.00	7	1,874.79	7	1,486.59	7	1,098.38	7	710.72	7	323.09	7		7	7	7		7	7
1/4	2,254.91	1/4	1,866.71	1/4	1,478.50	1/4	1,090.30	1/4	702.65	1/4	315.01	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,246.82	1/2	1,858.62	1/2	1,470.41	1/2	1,082.21	1/2	694.59	1/2	306.93	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,238.73	3/4	1,850.53	3/4	1,462.33	3/4	1,074.12	3/4	686.53	3/4	298.85	3/4		3/4	3/4	3/4		3/4	3/4
8	2,230.65	8	1,842.44	8	1,454.24	8	1,066.03	8	678.46	8	290.77	8		8	8	8		8	8
1/4	2,222.56	1/4	1,834.35	1/4	1,446.15	1/4	1,057.95	1/4	670.40	1/4	282.70	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,214.47	1/2	1,826.27	1/2	1,438.06	1/2	1,049.86	1/2	662.34	1/2	274.62	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,206.38	3/4	1,818.18	3/4	1,429.97	3/4	1,041.77	3/4	654.28	3/4	266.54	3/4		3/4	3/4	3/4		3/4	3/4
9	2,198.30	9	1,810.09	9	1,421.89	9	1,033.68	9	646.21	9	258.46	9		9	9	9		9	9
1/4	2,190.21	1/4	1,802.00	1/4	1,413.80	1/4	1,025.59	1/4	638.14	1/4	250.38	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,182.12	1/2	1,793.92	1/2	1,405.71	1/2	1,017.51	1/2	630.07	1/2	242.30	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,174.03	3/4	1,785.83	3/4	1,397.62	3/4	1,009.42	3/4	622.00	3/4	234.22	3/4		3/4	3/4	3/4		3/4	3/4
10	2,165.95	10	1,777.74	10	1,389.54	10	1,001.33	10	613.93	10	226.14	10		10	10	10		10	10
1/4	2,157.86	1/4	1,769.65	1/4	1,381.45	1/4	993.24	1/4	605.85	1/4	218.06	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,149.77	1/2	1,761.57	1/2	1,373.36	1/2	985.16	1/2	597.77	1/2	209.99	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,141.68	3/4	1,753.48	3/4	1,365.27	3/4	977.07	3/4	589.69	3/4	201.91	3/4		3/4	3/4	3/4		3/4	3/4
11	2,133.60	11	1,745.39	11	1,357.19	11	968.98	11	581.61	11	193.83	11		11	11	11		11	11
1/4	2,125.51	1/4	1,737.30	1/4	1,349.10	1/4	960.89	1/4	573.54	1/4	185.75	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,117.42	1/2	1,729.22	1/2	1,341.01	1/2	952.81	1/2	565.46	1/2	177.67	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,109.33	3/4	1,721.13	3/4	1,332.92	3/4	944.72	3/4	557.38	3/4	169.59	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/03/2011 CL - SW
CALCULATED: 05/03/2011 CL
PRINTED: 05/03/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

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



BARGE "KIRBY 28138"

2 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		
							5,089.51		4,752.43		4,397.90		4,026.68		3,641.05		3,252.84		2,864.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,082.58	1/4	4,745.25	1/4	4,390.32	1/4	4,018.77	1/4	3,632.97	1/4	3,244.75	1/4	2,856.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,075.66	1/2	4,738.07	1/2	4,382.73	1/2	4,010.86	1/2	3,624.88	1/2	3,236.66	1/2	2,848.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,068.73	3/4	4,730.89	3/4	4,375.15	3/4	4,002.95	3/4	3,616.79	3/4	3,228.58	3/4	2,840.31		
1	1	1	1	1	1	1	5,061.81	1	4,723.71	1	4,367.56	1	3,995.04	1	3,608.70	1	3,220.49	1	2,832.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,054.86	1/4	4,716.50	1/4	4,359.96	1/4	3,987.09	1/4	3,600.61	1/4	3,212.40	1/4	2,824.13		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,047.91	1/2	4,709.29	1/2	4,352.35	1/2	3,979.15	1/2	3,592.53	1/2	3,204.31	1/2	2,816.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,040.96	3/4	4,702.08	3/4	4,344.74	3/4	3,971.20	3/4	3,584.44	3/4	3,196.22	3/4	2,807.95		
2	2	2	2	2	2	2	5,034.00	2	4,694.87	2	4,337.13	2	3,963.25	2	3,576.35	2	3,188.14	2	2,799.86		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,027.02	1/4	4,687.63	1/4	4,329.49	1/4	3,955.29	1/4	3,568.26	1/4	3,180.05	1/4	2,791.77		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,020.04	1/2	4,680.40	1/2	4,321.86	1/2	3,947.32	1/2	3,560.17	1/2	3,171.96	1/2	2,783.68		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,013.06	3/4	4,673.16	3/4	4,314.22	3/4	3,939.35	3/4	3,552.09	3/4	3,163.87	3/4	2,775.59		
3	3	3	3	3	3	3	5,006.08	3	4,665.93	3	4,306.59	3	3,931.38	3	3,544.00	3	3,155.78	3	2,767.50		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,999.14	1/4	4,658.59	1/4	4,298.93	1/4	3,923.39	1/4	3,535.91	1/4	3,147.70	1/4	2,759.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,992.20	1/2	4,651.26	1/2	4,291.26	1/2	3,915.40	1/2	3,527.82	1/2	3,139.61	1/2	2,751.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,985.27	3/4	4,643.93	3/4	4,283.59	3/4	3,907.40	3/4	3,519.74	3/4	3,131.52	3/4	2,743.23		
4	4	4	4	4	4	4	4,978.33	4	4,636.60	4	4,275.93	4	3,899.41	4	3,511.65	4	3,123.43	4	2,735.14		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,971.37	1/4	4,629.23	1/4	4,268.24	1/4	3,891.38	1/4	3,503.56	1/4	3,115.35	1/4	2,727.05		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,964.41	1/2	4,621.87	1/2	4,260.55	1/2	3,883.36	1/2	3,495.47	1/2	3,107.26	1/2	2,718.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,957.45	3/4	4,614.51	3/4	4,252.86	3/4	3,875.33	3/4	3,487.38	3/4	3,099.17	3/4	2,710.87		
5	5	5	5	5	5	5	4,950.48	5	4,607.14	5	4,245.17	5	3,867.30	5	3,479.30	5	3,091.08	5	2,702.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,943.49	1/4	4,599.75	1/4	4,237.44	1/4	3,859.25	1/4	3,471.21	1/4	3,082.99	1/4	2,694.69		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,936.50	1/2	4,592.37	1/2	4,229.72	1/2	3,851.20	1/2	3,463.12	1/2	3,074.91	1/2	2,686.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,929.51	3/4	4,584.98	3/4	4,221.99	3/4	3,843.16	3/4	3,455.03	3/4	3,066.82	3/4	2,678.51		
6	6	6	6	6	6	6	4,922.52	6	4,577.59	6	4,214.27	6	3,835.11	6	3,446.95	6	3,058.73	6	2,670.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,915.50	1/4	4,570.17	1/4	4,206.52	1/4	3,827.03	1/4	3,438.86	1/4	3,050.64	1/4	2,662.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,258.69	1/2	4,908.48	1/2	4,562.74	1/2	4,198.77	1/2	3,818.96	1/2	3,430.77	1/2	3,042.56	1/2	2,654.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,252.62	3/4	4,901.46	3/4	4,555.32	3/4	4,191.02	3/4	3,810.88	3/4	3,422.68	3/4	3,034.47	3/4	2,646.15
7	7	7	7	7	7	7	5,246.55	7	4,894.44	7	4,547.90	7	4,183.28	7	3,802.81	7	3,414.59	7	3,026.38	7	2,638.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,238.47	1/4	4,887.39	1/4	4,540.45	1/4	4,175.50	1/4	3,794.72	1/4	3,406.51	1/4	3,018.29	1/4	2,629.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,230.38	1/2	4,880.34	1/2	4,533.01	1/2	4,167.73	1/2	3,786.63	1/2	3,398.42	1/2	3,010.20	1/2	2,621.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,222.29	3/4	4,873.29	3/4	4,525.56	3/4	4,159.96	3/4	3,778.55	3/4	3,390.33	3/4	3,002.11	3/4	2,613.80
8	8	8	8	8	8	8	5,214.20	8	4,866.24	8	4,518.12	8	4,152.19	8	3,770.46	8	3,382.24	8	2,994.02	8	2,605.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,206.11	1/4	4,859.17	1/4	4,510.65	1/4	4,144.38	1/4	3,762.37	1/4	3,374.16	1/4	2,985.93	1/4	2,597.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,198.02	1/2	4,852.10	1/2	4,503.17	1/2	4,136.57	1/2	3,754.28	1/2	3,366.07	1/2	2,977.84	1/2	2,589.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,189.93	3/4	4,845.03	3/4	4,495.70	3/4	4,128.77	3/4	3,746.19	3/4	3,357.98	3/4	2,969.75	3/4	2,581.44
9	9	9	9	9	9	9	5,181.84	9	4,837.96	9	4,488.23	9	4,120.96	9	3,738.11	9	3,349.89	9	2,961.66	9	2,573.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,173.75	1/4	4,830.86	1/4	4,480.73	1/4	4,113.13	1/4	3,730.02	1/4	3,341.80	1/4	2,953.57	1/4	2,565.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,165.66	1/2	4,823.76	1/2	4,473.23	1/2	4,105.30	1/2	3,721.93	1/2	3,333.72	1/2	2,945.48	1/2	2,557.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,157.57	3/4	4,816.66	3/4	4,465.72	3/4	4,097.48	3/4	3,713.84	3/4	3,325.63	3/4	2,937.39	3/4	2,549.08
10	10	10	10	10	10	10	5,149.48	10	4,809.57	10	4,458.22	10	4,089.65	10	3,705.76	10	3,317.54	10	2,929.30	10	2,540.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,141.39	1/4	4,802.44	1/4	4,450.69	1/4	4,081.79	1/4	3,697.67	1/4	3,309.45	1/4	2,921.21	1/4	2,532.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,133.30	1/2	4,795.31	1/2	4,443.16	1/2	4,073.94	1/2	3,689.58	1/2	3,301.37	1/2	2,913.12	1/2	2,524.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,125.21	3/4	4,788.18	3/4	4,435.64	3/4	4,066.08	3/4	3,681.49	3/4	3,293.28	3/4	2,905.03	3/4	2,516.72
11	11	11	11	11	11	11	5,117.12	11	4,781.05	11	4,428.11	11	4,058.23	11	3,673.40	11	3,285.19	11	2,896.94	11	2,508.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,110.21	1/4	4,773.89	1/4	4,420.56	1/4	4,050.34	1/4	3,665.32	1/4	3,277.10	1/4	2,888.85	1/4	2,500.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,103.31	1/2	4,766.74	1/2	4,413.01	1/2	4,042.46	1/2	3,657.23	1/2	3,269.01	1/2	2,880.76	1/2	2,492.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,096.41	3/4	4,759.58	3/4	4,405.45	3/4	4,034.57	3/4	3,649.14	3/4	3,260.93	3/4	2,872.67	3/4	2,484.36

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 28138"

2 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	2,476.27	0	2,087.95	0	1,699.64	0	1,311.32	0	923.62	0	550.37	0	162.10	0		0		0	
1/4	2,468.18	1/4	2,079.86	1/4	1,691.55	1/4	1,303.23	1/4	915.84	1/4	542.28	1/4	154.01	1/4	1/4		1/4		1/4
1/2	2,460.09	1/2	2,071.77	1/2	1,683.46	1/2	1,295.14	1/2	908.05	1/2	534.19	1/2	145.92	1/2	1/2		1/2		1/2
3/4	2,452.00	3/4	2,063.68	3/4	1,675.37	3/4	1,287.05	3/4	900.27	3/4	526.10	3/4	137.83	3/4	3/4		3/4		3/4
1	2,443.91	1	2,055.59	1	1,667.28	1	1,278.96	1	892.49	1	518.01	1	129.74	1	1		1		1
1/4	2,435.82	1/4	2,047.50	1/4	1,659.19	1/4	1,270.87	1/4	884.73	1/4	509.93	1/4	121.65	1/4	1/4		1/4		1/4
1/2	2,427.73	1/2	2,039.41	1/2	1,651.10	1/2	1,262.78	1/2	876.96	1/2	501.84	1/2	113.56	1/2	1/2		1/2		1/2
3/4	2,419.64	3/4	2,031.32	3/4	1,643.01	3/4	1,254.69	3/4	869.19	3/4	493.75	3/4	105.48	3/4	3/4		3/4		3/4
2	2,411.55	2	2,023.23	2	1,634.92	2	1,246.60	2	861.43	2	485.66	2	97.39	2	2		2		2
1/4	2,403.46	1/4	2,015.14	1/4	1,626.83	1/4	1,238.51	1/4	853.67	1/4	477.57	1/4	89.30	1/4	1/4		1/4		1/4
1/2	2,395.37	1/2	2,007.05	1/2	1,618.74	1/2	1,230.42	1/2	845.92	1/2	469.48	1/2	81.21	1/2	1/2		1/2		1/2
3/4	2,387.28	3/4	1,998.96	3/4	1,610.65	3/4	1,222.33	3/4	838.16	3/4	461.39	3/4	73.12	3/4	3/4		3/4		3/4
3	2,379.19	3	1,990.87	3	1,602.56	3	1,214.24	3	830.40	3	453.30	3	65.03	3	3		3		3
1/4	2,371.10	1/4	1,982.78	1/4	1,594.47	1/4	1,206.15	1/4	822.65	1/4	445.21	1/4	57.95	1/4	1/4		1/4		1/4
1/2	2,363.01	1/2	1,974.69	1/2	1,586.38	1/2	1,198.06	1/2	814.89	1/2	437.12	1/2	50.87	1/2	1/2		1/2		1/2
3/4	2,354.92	3/4	1,966.60	3/4	1,578.29	3/4	1,189.97	3/4	807.14	3/4	429.04	3/4	43.79	3/4	3/4		3/4		3/4
4	2,346.83	4	1,958.51	4	1,570.20	4	1,181.88	4	799.38	4	420.95	4	36.71	4	4		4		4
1/4	2,338.74	1/4	1,950.42	1/4	1,562.11	1/4	1,173.79	1/4	791.63	1/4	412.86	1/4	31.66	1/4	1/4		1/4		1/4
1/2	2,330.65	1/2	1,942.33	1/2	1,554.02	1/2	1,165.70	1/2	783.87	1/2	404.77	1/2	26.60	1/2	1/2		1/2		1/2
3/4	2,322.56	3/4	1,934.24	3/4	1,545.93	3/4	1,157.61	3/4	776.11	3/4	396.68	3/4	21.55	3/4	3/4		3/4		3/4
5	2,314.47	5	1,926.15	5	1,537.84	5	1,149.52	5	768.36	5	388.59	5	16.49	5	5		5		5
1/4	2,306.38	1/4	1,918.06	1/4	1,529.75	1/4	1,141.43	1/4	760.60	1/4	380.50	1/4		1/4	1/4		1/4		1/4
1/2	2,298.29	1/2	1,909.97	1/2	1,521.66	1/2	1,133.34	1/2	752.85	1/2	372.41	1/2		1/2	1/2		1/2		1/2
3/4	2,290.20	3/4	1,901.88	3/4	1,513.57	3/4	1,125.25	3/4	745.09	3/4	364.32	3/4		3/4	3/4		3/4		3/4
6	2,282.11	6	1,893.79	6	1,505.48	6	1,117.16	6	737.34	6	356.23	6		6	6		6		6
1/4	2,274.02	1/4	1,885.70	1/4	1,497.39	1/4	1,109.07	1/4	729.58	1/4	348.15	1/4		1/4	1/4		1/4		1/4
1/2	2,265.93	1/2	1,877.61	1/2	1,489.30	1/2	1,100.98	1/2	721.82	1/2	340.06	1/2		1/2	1/2		1/2		1/2
3/4	2,257.84	3/4	1,869.52	3/4	1,481.21	3/4	1,092.89	3/4	714.07	3/4	331.97	3/4		3/4	3/4		3/4		3/4
7	2,249.75	7	1,861.43	7	1,473.12	7	1,084.80	7	706.31	7	323.88	7		7	7		7		7
1/4	2,241.66	1/4	1,853.34	1/4	1,465.03	1/4	1,076.71	1/4	698.56	1/4	315.79	1/4		1/4	1/4		1/4		1/4
1/2	2,233.57	1/2	1,845.25	1/2	1,456.94	1/2	1,068.62	1/2	690.80	1/2	307.70	1/2		1/2	1/2		1/2		1/2
3/4	2,225.48	3/4	1,837.16	3/4	1,448.85	3/4	1,060.53	3/4	683.05	3/4	299.61	3/4		3/4	3/4		3/4		3/4
8	2,217.39	8	1,829.07	8	1,440.76	8	1,052.44	8	675.30	8	291.52	8		8	8		8		8
1/4	2,209.30	1/4	1,820.99	1/4	1,432.67	1/4	1,044.35	1/4	667.54	1/4	283.43	1/4		1/4	1/4		1/4		1/4
1/2	2,201.21	1/2	1,812.90	1/2	1,424.58	1/2	1,036.26	1/2	659.79	1/2	275.34	1/2		1/2	1/2		1/2		1/2
3/4	2,193.12	3/4	1,804.81	3/4	1,416.49	3/4	1,028.17	3/4	652.04	3/4	267.26	3/4		3/4	3/4		3/4		3/4
9	2,185.03	9	1,796.72	9	1,408.40	9	1,020.08	9	644.28	9	259.17	9		9	9		9		9
1/4	2,176.94	1/4	1,788.63	1/4	1,400.31	1/4	1,012.00	1/4	636.52	1/4	251.08	1/4		1/4	1/4		1/4		1/4
1/2	2,168.85	1/2	1,780.54	1/2	1,392.22	1/2	1,003.91	1/2	628.75	1/2	242.99	1/2		1/2	1/2		1/2		1/2
3/4	2,160.76	3/4	1,772.45	3/4	1,384.13	3/4	995.82	3/4	620.99	3/4	234.90	3/4		3/4	3/4		3/4		3/4
10	2,152.67	10	1,764.36	10	1,376.04	10	987.73	10	613.23	10	226.81	10		10	10		10		10
1/4	2,144.58	1/4	1,756.27	1/4	1,367.95	1/4	979.64	1/4	605.45	1/4	218.72	1/4		1/4	1/4		1/4		1/4
1/2	2,136.49	1/2	1,748.18	1/2	1,359.86	1/2	971.55	1/2	597.67	1/2	210.63	1/2		1/2	1/2		1/2		1/2
3/4	2,128.40	3/4	1,740.09	3/4	1,351.77	3/4	963.46	3/4	589.89	3/4	202.54	3/4		3/4	3/4		3/4		3/4
11	2,120.31	11	1,732.00	11	1,343.68	11	955.37	11	582.11	11	194.45	11		11	11		11		11
1/4	2,112.22	1/4	1,723.91	1/4	1,335.59	1/4	947.43	1/4	574.18	1/4	186.37	1/4		1/4	1/4		1/4		1/4
1/2	2,104.13	1/2	1,715.82	1/2	1,327.50	1/2	939.49	1/2	566.24	1/2	178.28	1/2		1/2	1/2		1/2		1/2
3/4	2,096.04	3/4	1,707.73	3/4	1,319.41	3/4	931.55	3/4	558.31	3/4	170.19	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/03/2011 CL - SW
CALCULATED: 05/03/2011 CL
PRINTED: 05/03/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

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



BARGE "KIRBY 28138"

3 PORT 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		
							4,498.01		4,241.80		3,972.74		3,691.22		3,396.54		3,040.33		2,679.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,492.76	1/4	4,236.34	1/4	3,966.99	1/4	3,685.22	1/4	3,389.71	1/4	3,032.81	1/4	2,671.56		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,487.51	1/2	4,230.88	1/2	3,961.23	1/2	3,679.22	1/2	3,382.88	1/2	3,025.28	1/2	2,664.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,482.26	3/4	4,225.42	3/4	3,955.48	3/4	3,673.22	3/4	3,376.05	3/4	3,017.76	3/4	2,656.51		
1	1	1	1	1	1	1	4,477.01	1	4,219.95	1	3,949.73	1	3,667.22	1	3,369.22	1	3,010.23	1	2,648.98		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,471.74	1/4	4,214.47	1/4	3,943.96	1/4	3,661.19	1/4	3,362.11	1/4	3,002.71	1/4	2,641.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,466.47	1/2	4,208.98	1/2	3,938.19	1/2	3,655.17	1/2	3,355.00	1/2	2,995.18	1/2	2,633.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,461.20	3/4	4,203.50	3/4	3,932.42	3/4	3,649.14	3/4	3,347.90	3/4	2,987.65	3/4	2,626.40		
2	2	2	2	2	2	2	4,455.92	2	4,198.01	2	3,926.65	2	3,643.11	2	3,340.79	2	2,980.13	2	2,618.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,450.63	1/4	4,192.51	1/4	3,920.86	1/4	3,637.07	1/4	3,333.40	1/4	2,972.60	1/4	2,611.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,445.34	1/2	4,187.01	1/2	3,915.07	1/2	3,631.03	1/2	3,326.01	1/2	2,965.08	1/2	2,603.83		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,440.04	3/4	4,181.50	3/4	3,909.28	3/4	3,624.99	3/4	3,318.63	3/4	2,957.55	3/4	2,596.30		
3	3	3	3	3	3	3	4,434.75	3	4,176.00	3	3,903.49	3	3,618.94	3	3,311.24	3	2,950.03	3	2,588.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,429.47	1/4	4,170.44	1/4	3,897.68	1/4	3,612.88	1/4	3,303.72	1/4	2,942.50	1/4	2,581.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,424.19	1/2	4,164.88	1/2	3,891.86	1/2	3,606.82	1/2	3,296.19	1/2	2,934.98	1/2	2,573.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,418.92	3/4	4,159.32	3/4	3,886.05	3/4	3,600.76	3/4	3,288.67	3/4	2,927.45	3/4	2,566.19		
4	4	4	4	4	4	4	4,413.64	4	4,153.75	4	3,880.24	4	3,594.70	4	3,281.14	4	2,919.93	4	2,558.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,408.35	1/4	4,148.17	1/4	3,874.41	1/4	3,588.61	1/4	3,273.62	1/4	2,912.40	1/4	2,551.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,403.05	1/2	4,142.59	1/2	3,868.57	1/2	3,582.52	1/2	3,266.09	1/2	2,904.88	1/2	2,543.61		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,397.76	3/4	4,137.00	3/4	3,862.74	3/4	3,576.43	3/4	3,258.57	3/4	2,897.35	3/4	2,536.09		
5	5	5	5	5	5	5	4,392.46	5	4,131.42	5	3,856.91	5	3,570.35	5	3,251.04	5	2,889.83	5	2,528.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,387.14	1/4	4,125.82	1/4	3,851.05	1/4	3,564.24	1/4	3,243.51	1/4	2,882.30	1/4	2,521.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,381.82	1/2	4,120.21	1/2	3,845.19	1/2	3,558.14	1/2	3,235.99	1/2	2,874.77	1/2	2,513.51		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,376.50	3/4	4,114.61	3/4	3,839.33	3/4	3,552.03	3/4	3,228.46	3/4	2,867.25	3/4	2,505.98		
6	6	6	6	6	6	6	4,371.18	6	4,109.01	6	3,833.47	6	3,545.93	6	3,220.94	6	2,859.72	6	2,498.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,365.85	1/4	4,103.38	1/4	3,827.60	1/4	3,539.80	1/4	3,213.41	1/4	2,852.20	1/4	2,490.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,626.31	1/2	4,360.51	1/2	4,097.75	1/2	3,821.72	1/2	3,533.68	1/2	3,205.89	1/2	2,844.67	1/2	2,483.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,621.70	3/4	4,355.17	3/4	4,092.12	3/4	3,815.85	3/4	3,527.56	3/4	3,198.36	3/4	2,837.15	3/4	2,475.87
7	7	7	7	7	7	7	4,617.10	7	4,349.83	7	4,086.49	7	3,809.97	7	3,521.43	7	3,190.84	7	2,829.62	7	2,468.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,610.97	1/4	4,344.47	1/4	4,080.84	1/4	3,804.08	1/4	3,515.30	1/4	3,183.31	1/4	2,822.10	1/4	2,460.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,604.83	1/2	4,339.11	1/2	4,075.20	1/2	3,798.18	1/2	3,509.17	1/2	3,175.79	1/2	2,814.57	1/2	2,453.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,598.70	3/4	4,333.74	3/4	4,069.55	3/4	3,792.29	3/4	3,503.03	3/4	3,168.26	3/4	2,807.04	3/4	2,445.77
8	8	8	8	8	8	8	4,592.56	8	4,328.38	8	4,063.90	8	3,786.39	8	3,496.90	8	3,160.74	8	2,799.52	8	2,438.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,586.43	1/4	4,323.00	1/4	4,058.24	1/4	3,780.47	1/4	3,490.77	1/4	3,153.21	1/4	2,791.99	1/4	2,430.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,580.29	1/2	4,317.62	1/2	4,052.57	1/2	3,774.56	1/2	3,484.63	1/2	3,145.69	1/2	2,784.46	1/2	2,423.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,574.16	3/4	4,312.24	3/4	4,046.91	3/4	3,768.64	3/4	3,478.50	3/4	3,138.16	3/4	2,776.94	3/4	2,415.66
9	9	9	9	9	9	9	4,568.02	9	4,306.86	9	4,041.24	9	3,762.72	9	3,472.36	9	3,130.64	9	2,769.41	9	2,408.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,561.89	1/4	4,301.46	1/4	4,035.55	1/4	3,756.78	1/4	3,466.23	1/4	3,123.11	1/4	2,761.88	1/4	2,400.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,555.75	1/2	4,296.06	1/2	4,029.86	1/2	3,750.84	1/2	3,460.10	1/2	3,115.58	1/2	2,754.36	1/2	2,393.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,549.62	3/4	4,290.66	3/4	4,024.17	3/4	3,744.90	3/4	3,453.96	3/4	3,108.06	3/4	2,746.83	3/4	2,385.55
10	10	10	10	10	10	10	4,543.48	10	4,285.26	10	4,018.48	10	3,738.97	10	3,447.83	10	3,100.53	10	2,739.30	10	2,378.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,537.35	1/4	4,279.84	1/4	4,012.77	1/4	3,733.01	1/4	3,441.56	1/4	3,093.01	1/4	2,731.78	1/4	2,370.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,531.21	1/2	4,274.42	1/2	4,007.06	1/2	3,727.05	1/2	3,435.29	1/2	3,085.48	1/2	2,724.25	1/2	2,362.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,525.08	3/4	4,268.99	3/4	4,001.36	3/4	3,721.10	3/4	3,429.01	3/4	3,077.96	3/4	2,716.72	3/4	2,355.45
11	11	11	11	11	11	11	4,518.94	11	4,263.57	11	3,995.65	11	3,715.14	11	3,422.74	11	3,070.43	11	2,709.20	11	2,347.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,513.71	1/4	4,258.13	1/4	3,989.92	1/4	3,709.16	1/4	3,416.19	1/4	3,062.91	1/4	2,701.67	1/4	2,340.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,508.48	1/2	4,252.68	1/2	3,984.19	1/2	3,703.18	1/2	3,409.64	1/2	3,055.38	1/2	2,694.14	1/2	2,332.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,503.24	3/4	4,247.24	3/4	3,978.46	3/4	3,697.20	3/4	3,403.09	3/4	3,047.86	3/4	2,686.62	3/4	2,325.34

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28138"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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
	2,317.81		1,956.54		1,595.26		1,233.98		873.50		512.24		150.97						
1/4	2,310.29	1/4	1,949.01	1/4	1,587.73	1/4	1,226.46	1/4	865.97	1/4	504.71	1/4	143.45	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,302.76	1/2	1,941.48	1/2	1,580.21	1/2	1,218.93	1/2	858.44	1/2	497.18	1/2	135.92	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,295.23	3/4	1,933.96	3/4	1,572.68	3/4	1,211.40	3/4	850.92	3/4	489.66	3/4	128.39	3/4	3/4	3/4	3/4	3/4	3/4
1	2,287.71	1	1,926.43	1	1,565.15	1	1,203.88	1	843.39	1	482.13	1	120.87	1	1	1	1	1	1
1/4	2,280.18	1/4	1,918.90	1/4	1,557.63	1/4	1,196.35	1/4	835.87	1/4	474.60	1/4	113.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,272.65	1/2	1,911.38	1/2	1,550.10	1/2	1,188.82	1/2	828.34	1/2	467.08	1/2	105.81	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,265.13	3/4	1,903.85	3/4	1,542.57	3/4	1,181.30	3/4	820.81	3/4	459.55	3/4	98.29	3/4	3/4	3/4	3/4	3/4	3/4
2	2,257.60	2	1,896.32	2	1,535.05	2	1,173.77	2	813.29	2	452.02	2	90.76	2	2	2	2	2	2
1/4	2,250.07	1/4	1,888.80	1/4	1,527.52	1/4	1,166.24	1/4	805.76	1/4	444.50	1/4	83.24	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,242.55	1/2	1,881.27	1/2	1,519.99	1/2	1,158.72	1/2	798.23	1/2	436.97	1/2	75.71	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,235.02	3/4	1,873.74	3/4	1,512.47	3/4	1,151.19	3/4	790.71	3/4	429.45	3/4	68.18	3/4	3/4	3/4	3/4	3/4	3/4
3	2,227.50	3	1,866.22	3	1,504.94	3	1,143.66	3	783.18	3	421.92	3	60.66	3	3	3	3	3	3
1/4	2,219.97	1/4	1,858.69	1/4	1,497.41	1/4	1,136.14	1/4	775.66	1/4	414.39	1/4	54.07	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,212.44	1/2	1,851.17	1/2	1,489.89	1/2	1,128.61	1/2	768.13	1/2	406.87	1/2	47.48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,204.92	3/4	1,843.64	3/4	1,482.36	3/4	1,121.08	3/4	760.60	3/4	399.34	3/4	40.90	3/4	3/4	3/4	3/4	3/4	3/4
4	2,197.39	4	1,836.11	4	1,474.84	4	1,113.56	4	753.08	4	391.81	4	34.31	4	4	4	4	4	4
1/4	2,189.86	1/4	1,828.59	1/4	1,467.31	1/4	1,106.06	1/4	745.55	1/4	384.29	1/4	29.61	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,182.34	1/2	1,821.06	1/2	1,459.78	1/2	1,098.55	1/2	738.02	1/2	376.76	1/2	24.90	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,174.81	3/4	1,813.53	3/4	1,452.26	3/4	1,091.05	3/4	730.50	3/4	369.24	3/4	20.20	3/4	3/4	3/4	3/4	3/4	3/4
5	2,167.28	5	1,806.01	5	1,444.73	5	1,083.55	5	722.97	5	361.71	5	15.50	5	5	5	5	5	5
1/4	2,159.76	1/4	1,798.48	1/4	1,437.20	1/4	1,076.05	1/4	715.45	1/4	354.18	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,152.23	1/2	1,790.95	1/2	1,429.68	1/2	1,068.55	1/2	707.92	1/2	346.66	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,144.70	3/4	1,783.43	3/4	1,422.15	3/4	1,061.05	3/4	700.39	3/4	339.13	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,137.18	6	1,775.90	6	1,414.62	6	1,053.54	6	692.87	6	331.60	6		6	6	6	6	6	6
1/4	2,129.65	1/4	1,768.37	1/4	1,407.10	1/4	1,046.04	1/4	685.34	1/4	324.08	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,122.12	1/2	1,760.85	1/2	1,399.57	1/2	1,038.54	1/2	677.81	1/2	316.55	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,114.60	3/4	1,753.32	3/4	1,392.04	3/4	1,031.04	3/4	670.29	3/4	309.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,107.07	7	1,745.79	7	1,384.52	7	1,023.54	7	662.76	7	301.50	7		7	7	7	7	7	7
1/4	2,099.54	1/4	1,738.27	1/4	1,376.99	1/4	1,016.03	1/4	655.23	1/4	293.97	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,092.02	1/2	1,730.74	1/2	1,369.46	1/2	1,008.53	1/2	647.71	1/2	286.45	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,084.49	3/4	1,723.21	3/4	1,361.94	3/4	1,001.03	3/4	640.18	3/4	278.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,076.96	8	1,715.69	8	1,354.41	8	993.53	8	632.66	8	271.39	8		8	8	8	8	8	8
1/4	2,069.44	1/4	1,708.16	1/4	1,346.88	1/4	986.03	1/4	625.13	1/4	263.87	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,061.91	1/2	1,700.63	1/2	1,339.36	1/2	978.52	1/2	617.60	1/2	256.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,054.38	3/4	1,693.11	3/4	1,331.83	3/4	971.02	3/4	610.08	3/4	248.81	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,046.86	9	1,685.58	9	1,324.30	9	963.52	9	602.55	9	241.29	9		9	9	9	9	9	9
1/4	2,039.33	1/4	1,678.05	1/4	1,316.78	1/4	956.02	1/4	595.02	1/4	233.76	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,031.80	1/2	1,670.53	1/2	1,309.25	1/2	948.52	1/2	587.50	1/2	226.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,024.28	3/4	1,663.00	3/4	1,301.72	3/4	941.01	3/4	579.97	3/4	218.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,016.75	10	1,655.47	10	1,294.20	10	933.51	10	572.45	10	211.18	10		10	10	10	10	10	10
1/4	2,009.22	1/4	1,647.95	1/4	1,286.67	1/4	926.01	1/4	564.92	1/4	203.66	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,001.70	1/2	1,640.42	1/2	1,279.14	1/2	918.51	1/2	557.39	1/2	196.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,994.17	3/4	1,632.89	3/4	1,271.62	3/4	911.01	3/4	549.87	3/4	188.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,986.64	11	1,625.37	11	1,264.09	11	903.51	11	542.34	11	181.08	11		11	11	11	11	11	11
1/4	1,979.12	1/4	1,617.84	1/4	1,256.56	1/4	896.00	1/4	534.81	1/4	173.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,971.59	1/2	1,610.31	1/2	1,249.04	1/2	888.50	1/2	527.29	1/2	166.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,964.06	3/4	1,602.79	3/4	1,241.51	3/4	881.00	3/4	519.76	3/4	158.50	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/03/2011 CL - SW
CALCULATED: 05/03/2011 CL
PRINTED: 05/03/2011 CL

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ALL PRIOR TO 05/2011

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BARGE "KIRBY 28138"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,476.66	0	4,220.37	0	3,951.23	0	3,669.63	0	3,374.86	0	3,019.07	0	2,658.40
1/4		1/4		1/4		1/4	4,471.41	1/4	4,214.91	1/4	3,945.48	1/4	3,663.63	1/4	3,368.03	1/4	3,011.55	1/4	2,650.88
1/2		1/2		1/2		1/2	4,466.15	1/2	4,209.45	1/2	3,939.72	1/2	3,657.62	1/2	3,361.20	1/2	3,004.04	1/2	2,643.37
3/4		3/4		3/4		3/4	4,460.90	3/4	4,203.98	3/4	3,933.97	3/4	3,651.62	3/4	3,354.37	3/4	2,996.53	3/4	2,635.85
1		1		1		1	4,455.65	1	4,198.52	1	3,928.22	1	3,645.62	1	3,347.53	1	2,989.01	1	2,628.34
1/4		1/4		1/4		1/4	4,450.38	1/4	4,193.03	1/4	3,922.45	1/4	3,639.59	1/4	3,340.42	1/4	2,981.50	1/4	2,620.82
1/2		1/2		1/2		1/2	4,445.10	1/2	4,187.55	1/2	3,916.67	1/2	3,633.57	1/2	3,333.32	1/2	2,973.99	1/2	2,613.31
3/4		3/4		3/4		3/4	4,439.83	3/4	4,182.06	3/4	3,910.90	3/4	3,627.54	3/4	3,326.21	3/4	2,966.47	3/4	2,605.79
2		2		2		2	4,434.56	2	4,176.57	2	3,905.13	2	3,621.51	2	3,319.10	2	2,958.96	2	2,598.28
1/4		1/4		1/4		1/4	4,429.26	1/4	4,171.07	1/4	3,899.34	1/4	3,615.46	1/4	3,311.71	1/4	2,951.45	1/4	2,590.76
1/2		1/2		1/2		1/2	4,423.97	1/2	4,165.56	1/2	3,893.55	1/2	3,609.42	1/2	3,304.32	1/2	2,943.93	1/2	2,583.25
3/4		3/4		3/4		3/4	4,418.67	3/4	4,160.06	3/4	3,887.75	3/4	3,603.38	3/4	3,296.93	3/4	2,936.42	3/4	2,575.73
3		3		3		3	4,413.38	3	4,154.55	3	3,881.96	3	3,597.33	3	3,289.55	3	2,928.90	3	2,568.22
1/4		1/4		1/4		1/4	4,408.10	1/4	4,148.99	1/4	3,876.15	1/4	3,591.27	1/4	3,282.03	1/4	2,921.39	1/4	2,560.71
1/2		1/2		1/2		1/2	4,402.82	1/2	4,143.43	1/2	3,870.33	1/2	3,585.21	1/2	3,274.52	1/2	2,913.88	1/2	2,553.19
3/4		3/4		3/4		3/4	4,397.54	3/4	4,137.86	3/4	3,864.52	3/4	3,579.14	3/4	3,267.01	3/4	2,906.36	3/4	2,545.68
4		4		4		4	4,392.26	4	4,132.30	4	3,858.70	4	3,573.08	4	3,259.49	4	2,898.85	4	2,538.16
1/4		1/4		1/4		1/4	4,386.97	1/4	4,126.72	1/4	3,852.87	1/4	3,566.99	1/4	3,251.98	1/4	2,891.34	1/4	2,530.65
1/2		1/2		1/2		1/2	4,381.67	1/2	4,121.13	1/2	3,847.04	1/2	3,560.90	1/2	3,244.47	1/2	2,883.82	1/2	2,523.13
3/4		3/4		3/4		3/4	4,376.37	3/4	4,115.54	3/4	3,841.20	3/4	3,554.81	3/4	3,236.95	3/4	2,876.31	3/4	2,515.62
5		5		5		5	4,371.08	5	4,109.96	5	3,835.37	5	3,548.72	5	3,229.44	5	2,868.80	5	2,508.10
1/4		1/4		1/4		1/4	4,365.76	1/4	4,104.35	1/4	3,829.51	1/4	3,542.61	1/4	3,221.93	1/4	2,861.28	1/4	2,500.59
1/2		1/2		1/2		1/2	4,360.44	1/2	4,098.75	1/2	3,823.65	1/2	3,536.51	1/2	3,214.41	1/2	2,853.77	1/2	2,493.07
3/4		3/4		3/4		3/4	4,355.11	3/4	4,093.14	3/4	3,817.79	3/4	3,530.40	3/4	3,206.90	3/4	2,846.26	3/4	2,485.56
6		6		6		6	4,349.79	6	4,087.54	6	3,811.93	6	3,524.30	6	3,199.39	6	2,838.74	6	2,478.04
1/4		1/4		1/4		1/4	4,344.45	1/4	4,081.91	1/4	3,806.05	1/4	3,518.17	1/4	3,191.87	1/4	2,831.23	1/4	2,470.53
1/2		1/2		1/2	4,604.99	1/2	4,339.11	1/2	4,076.28	1/2	3,800.17	1/2	3,512.04	1/2	3,184.36	1/2	2,823.72	1/2	2,463.02
3/4		3/4		3/4	4,600.39	3/4	4,333.78	3/4	4,070.65	3/4	3,794.30	3/4	3,505.92	3/4	3,176.85	3/4	2,816.20	3/4	2,455.51
7		7		7	4,595.78	7	4,328.44	7	4,065.01	7	3,788.42	7	3,499.79	7	3,169.33	7	2,808.69	7	2,448.00
1/4		1/4		1/4	4,589.65	1/4	4,323.07	1/4	4,059.37	1/4	3,782.52	1/4	3,493.66	1/4	3,161.82	1/4	2,801.18	1/4	2,440.49
1/2		1/2		1/2	4,583.51	1/2	4,317.71	1/2	4,053.72	1/2	3,776.63	1/2	3,487.52	1/2	3,154.31	1/2	2,793.66	1/2	2,432.98
3/4		3/4		3/4	4,577.37	3/4	4,312.34	3/4	4,048.07	3/4	3,770.73	3/4	3,481.39	3/4	3,146.79	3/4	2,786.15	3/4	2,425.47
8		8		8	4,571.24	8	4,306.98	8	4,042.42	8	3,764.83	8	3,475.25	8	3,139.28	8	2,778.63	8	2,417.96
1/4		1/4		1/4	4,565.10	1/4	4,301.60	1/4	4,036.76	1/4	3,758.91	1/4	3,469.12	1/4	3,131.77	1/4	2,771.12	1/4	2,410.44
1/2		1/2		1/2	4,558.96	1/2	4,296.21	1/2	4,031.09	1/2	3,752.99	1/2	3,462.98	1/2	3,124.25	1/2	2,763.60	1/2	2,402.93
3/4		3/4		3/4	4,552.83	3/4	4,290.83	3/4	4,025.42	3/4	3,747.07	3/4	3,456.85	3/4	3,116.74	3/4	2,756.09	3/4	2,395.42
9		9		9	4,546.69	9	4,285.45	9	4,019.76	9	3,741.15	9	3,450.71	9	3,109.23	9	2,748.57	9	2,387.91
1/4		1/4		1/4	4,540.55	1/4	4,280.05	1/4	4,014.06	1/4	3,735.21	1/4	3,444.58	1/4	3,101.71	1/4	2,741.06	1/4	2,380.40
1/2		1/2		1/2	4,534.42	1/2	4,274.65	1/2	4,008.37	1/2	3,729.27	1/2	3,438.44	1/2	3,094.20	1/2	2,733.54	1/2	2,372.89
3/4		3/4		3/4	4,528.28	3/4	4,269.25	3/4	4,002.68	3/4	3,723.33	3/4	3,432.31	3/4	3,086.69	3/4	2,726.03	3/4	2,365.38
10		10		10	4,522.14	10	4,263.85	10	3,996.99	10	3,717.39	10	3,426.17	10	3,079.17	10	2,718.51	10	2,357.87
1/4		1/4		1/4	4,516.01	1/4	4,258.42	1/4	3,991.28	1/4	3,711.43	1/4	3,419.90	1/4	3,071.66	1/4	2,711.00	1/4	2,350.36
1/2		1/2		1/2	4,509.87	1/2	4,253.00	1/2	3,985.57	1/2	3,705.47	1/2	3,413.62	1/2	3,064.15	1/2	2,703.48	1/2	2,342.85
3/4		3/4		3/4	4,503.73	3/4	4,247.57	3/4	3,979.86	3/4	3,699.52	3/4	3,407.35	3/4	3,056.63	3/4	2,695.97	3/4	2,335.33
11		11		11	4,497.60	11	4,242.15	11	3,974.15	11	3,693.56	11	3,401.07	11	3,049.12	11	2,688.46	11	2,327.82
1/4		1/4		1/4	4,492.36	1/4	4,236.70	1/4	3,968.42	1/4	3,687.57	1/4	3,394.52	1/4	3,041.61	1/4	2,680.94	1/4	2,320.31
1/2		1/2		1/2	4,487.13	1/2	4,231.26	1/2	3,962.69	1/2	3,681.59	1/2	3,387.97	1/2	3,034.09	1/2	2,673.43	1/2	2,312.80
3/4		3/4		3/4	4,481.89	3/4	4,225.81	3/4	3,956.96	3/4	3,675.61	3/4	3,381.41	3/4	3,026.58	3/4	2,665.91	3/4	2,305.29

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 41'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28138"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,297.78	0	1,938.35	0	1,579.45	0	1,218.70	0	864.73	0	511.62	0	151.01	0		0		0	
1/4	2,290.26	1/4	1,930.90	1/4	1,571.93	1/4	1,211.32	1/4	857.36	1/4	504.17	1/4	143.48	1/4		1/4		1/4	
1/2	2,282.75	1/2	1,923.45	1/2	1,564.42	1/2	1,203.95	1/2	849.98	1/2	496.73	1/2	135.95	1/2		1/2		1/2	
3/4	2,275.23	3/4	1,916.00	3/4	1,556.90	3/4	1,196.57	3/4	842.60	3/4	489.28	3/4	128.42	3/4		3/4		3/4	
1	2,267.72	1	1,908.55	1	1,549.39	1	1,189.19	1	835.22	1	481.83	1	120.90	1		1		1	
1/4	2,260.20	1/4	1,901.10	1/4	1,541.87	1/4	1,181.81	1/4	827.84	1/4	474.31	1/4	113.37	1/4		1/4		1/4	
1/2	2,252.69	1/2	1,893.65	1/2	1,534.35	1/2	1,174.43	1/2	820.47	1/2	466.80	1/2	105.84	1/2		1/2		1/2	
3/4	2,245.17	3/4	1,886.20	3/4	1,526.84	3/4	1,167.05	3/4	813.09	3/4	459.28	3/4	98.31	3/4		3/4		3/4	
2	2,237.65	2	1,878.75	2	1,519.32	2	1,159.67	2	805.72	2	451.76	2	90.78	2		2		2	
1/4	2,230.14	1/4	1,871.30	1/4	1,511.81	1/4	1,152.29	1/4	798.36	1/4	444.25	1/4	83.25	1/4		1/4		1/4	
1/2	2,222.62	1/2	1,863.85	1/2	1,504.29	1/2	1,144.91	1/2	791.00	1/2	436.73	1/2	75.73	1/2		1/2		1/2	
3/4	2,215.11	3/4	1,856.40	3/4	1,496.78	3/4	1,137.53	3/4	783.64	3/4	429.22	3/4	68.20	3/4		3/4		3/4	
3	2,207.59	3	1,848.95	3	1,489.26	3	1,130.15	3	776.28	3	421.70	3	60.67	3		3		3	
1/4	2,200.08	1/4	1,841.50	1/4	1,481.75	1/4	1,122.77	1/4	768.94	1/4	414.18	1/4	54.08	1/4		1/4		1/4	
1/2	2,192.56	1/2	1,834.05	1/2	1,474.23	1/2	1,115.40	1/2	761.59	1/2	406.67	1/2	47.49	1/2		1/2		1/2	
3/4	2,185.05	3/4	1,826.60	3/4	1,466.71	3/4	1,108.02	3/4	754.25	3/4	399.15	3/4	40.91	3/4		3/4		3/4	
4	2,177.53	4	1,819.15	4	1,459.20	4	1,100.64	4	746.90	4	391.63	4	34.32	4		4		4	
1/4	2,170.01	1/4	1,811.70	1/4	1,451.68	1/4	1,093.27	1/4	739.55	1/4	384.12	1/4	29.61	1/4		1/4		1/4	
1/2	2,162.50	1/2	1,804.25	1/2	1,444.17	1/2	1,085.89	1/2	732.21	1/2	376.60	1/2	24.91	1/2		1/2		1/2	
3/4	2,154.98	3/4	1,796.80	3/4	1,436.65	3/4	1,078.52	3/4	724.86	3/4	369.08	3/4	20.20	3/4		3/4		3/4	
5	2,147.47	5	1,789.35	5	1,429.14	5	1,071.15	5	717.52	5	361.57	5	15.50	5		5		5	
1/4	2,139.95	1/4	1,781.91	1/4	1,421.62	1/4	1,063.78	1/4	710.17	1/4	354.05	1/4		1/4		1/4		1/4	
1/2	2,132.44	1/2	1,774.46	1/2	1,414.11	1/2	1,056.41	1/2	702.82	1/2	346.53	1/2		1/2		1/2		1/2	
3/4	2,124.92	3/4	1,767.01	3/4	1,406.59	3/4	1,049.03	3/4	695.47	3/4	339.02	3/4		3/4		3/4		3/4	
6	2,117.41	6	1,759.56	6	1,399.08	6	1,041.66	6	688.13	6	331.50	6		6		6		6	
1/4	2,109.89	1/4	1,752.11	1/4	1,391.56	1/4	1,034.29	1/4	680.78	1/4	323.98	1/4		1/4		1/4		1/4	
1/2	2,102.37	1/2	1,744.66	1/2	1,384.04	1/2	1,026.92	1/2	673.43	1/2	316.47	1/2		1/2		1/2		1/2	
3/4	2,094.86	3/4	1,737.21	3/4	1,376.53	3/4	1,019.55	3/4	666.09	3/4	308.95	3/4		3/4		3/4		3/4	
7	2,087.34	7	1,729.76	7	1,369.01	7	1,012.17	7	658.74	7	301.43	7		7		7		7	
1/4	2,079.89	1/4	1,722.24	1/4	1,361.50	1/4	1,004.80	1/4	651.39	1/4	293.92	1/4		1/4		1/4		1/4	
1/2	2,072.44	1/2	1,714.73	1/2	1,353.98	1/2	997.43	1/2	644.04	1/2	286.40	1/2		1/2		1/2		1/2	
3/4	2,064.99	3/4	1,707.21	3/4	1,346.47	3/4	990.06	3/4	636.70	3/4	278.88	3/4		3/4		3/4		3/4	
8	2,057.54	8	1,699.70	8	1,338.95	8	982.69	8	629.35	8	271.37	8		8		8		8	
1/4	2,050.09	1/4	1,692.18	1/4	1,331.44	1/4	975.31	1/4	622.00	1/4	263.85	1/4		1/4		1/4		1/4	
1/2	2,042.64	1/2	1,684.66	1/2	1,323.92	1/2	967.94	1/2	614.65	1/2	256.33	1/2		1/2		1/2		1/2	
3/4	2,035.19	3/4	1,677.15	3/4	1,316.40	3/4	960.57	3/4	607.31	3/4	248.82	3/4		3/4		3/4		3/4	
9	2,027.75	9	1,669.63	9	1,308.89	9	953.20	9	599.96	9	241.30	9		9		9		9	
1/4	2,020.30	1/4	1,662.12	1/4	1,301.37	1/4	945.83	1/4	592.61	1/4	233.78	1/4		1/4		1/4		1/4	
1/2	2,012.85	1/2	1,654.60	1/2	1,293.86	1/2	938.45	1/2	585.27	1/2	226.27	1/2		1/2		1/2		1/2	
3/4	2,005.40	3/4	1,647.09	3/4	1,286.34	3/4	931.08	3/4	577.92	3/4	218.75	3/4		3/4		3/4		3/4	
10	1,997.95	10	1,639.57	10	1,278.83	10	923.71	10	570.57	10	211.23	10		10		10		10	
1/4	1,990.50	1/4	1,632.06	1/4	1,271.31	1/4	916.34	1/4	563.21	1/4	203.71	1/4		1/4		1/4		1/4	
1/2	1,983.05	1/2	1,624.54	1/2	1,263.80	1/2	908.97	1/2	555.85	1/2	196.18	1/2		1/2		1/2		1/2	
3/4	1,975.60	3/4	1,617.02	3/4	1,256.28	3/4	901.59	3/4	548.49	3/4	188.65	3/4		3/4		3/4		3/4	
11	1,968.15	11	1,609.51	11	1,248.77	11	894.22	11	541.13	11	181.12	11		11		11		11	
1/4	1,960.70	1/4	1,601.99	1/4	1,241.25	1/4	886.85	1/4	533.75	1/4	173.59	1/4		1/4		1/4		1/4	
1/2	1,953.25	1/2	1,594.48	1/2	1,233.73	1/2	879.48	1/2	526.38	1/2	166.06	1/2		1/2		1/2		1/2	
3/4	1,945.80	3/4	1,586.96	3/4	1,226.22	3/4	872.11	3/4	519.00	3/4	158.54	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 05/03/2011 CL
PRINTED: 05/03/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

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