



BARGE "KIRBY 28139"

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	- 00-5/8	00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 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'-03"

June 10, 2011

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28139"

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	4,207.93	0	3,918.79	0	3,615.28	0	3,297.87	0	2,968.27	0	2,636.63	0	2,304.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,202.01	1/4	3,912.63	1/4	3,608.80	1/4	3,291.11	1/4	2,961.36	1/4	2,629.72	1/4	2,298.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,196.10	1/2	3,906.47	1/2	3,602.32	1/2	3,284.35	1/2	2,954.45	1/2	2,622.81	1/2	2,291.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,190.18	3/4	3,900.31	3/4	3,595.84	3/4	3,277.60	3/4	2,947.55	3/4	2,615.90	3/4	2,284.23
1		1		1		1	4,184.25	1	3,894.12	1	3,589.34	1	3,270.81	1	2,940.64	1	2,608.99	1	2,277.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,178.31	1/4	3,887.94	1/4	3,582.84	1/4	3,264.02	1/4	2,933.73	1/4	2,602.09	1/4	2,270.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,172.37	1/2	3,881.75	1/2	3,576.34	1/2	3,257.23	1/2	2,926.82	1/2	2,595.18	1/2	2,263.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,166.44	3/4	3,875.56	3/4	3,569.84	3/4	3,250.44	3/4	2,919.91	3/4	2,588.27	3/4	2,256.59
2		2		2		2	4,160.47	2	3,869.35	2	3,563.32	2	3,243.63	2	2,913.00	2	2,581.36	2	2,249.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,154.51	1/4	3,863.15	1/4	3,556.80	1/4	3,236.83	1/4	2,906.09	1/4	2,574.45	1/4	2,242.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,148.54	1/2	3,856.94	1/2	3,550.28	1/2	3,230.02	1/2	2,899.18	1/2	2,567.54	1/2	2,235.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,142.58	3/4	3,850.73	3/4	3,543.75	3/4	3,223.21	3/4	2,892.27	3/4	2,560.63	3/4	2,228.95
3		3		3		3	4,136.63	3	3,844.47	3	3,537.20	3	3,216.39	3	2,885.36	3	2,553.72	3	2,222.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,130.68	1/4	3,838.20	1/4	3,530.66	1/4	3,209.56	1/4	2,878.45	1/4	2,546.81	1/4	2,215.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,124.73	1/2	3,831.94	1/2	3,524.11	1/2	3,202.73	1/2	2,871.54	1/2	2,539.90	1/2	2,208.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,118.78	3/4	3,825.67	3/4	3,517.56	3/4	3,195.90	3/4	2,864.64	3/4	2,532.99	3/4	2,201.31
4		4		4		4	4,112.80	4	3,819.38	4	3,510.99	4	3,189.04	4	2,857.73	4	2,526.08	4	2,194.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,106.83	1/4	3,813.09	1/4	3,504.42	1/4	3,182.19	1/4	2,850.82	1/4	2,519.18	1/4	2,187.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,100.86	1/2	3,806.80	1/2	3,497.85	1/2	3,175.33	1/2	2,843.91	1/2	2,512.27	1/2	2,180.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,094.88	3/4	3,800.51	3/4	3,491.28	3/4	3,168.47	3/4	2,837.00	3/4	2,505.36	3/4	2,173.67
5		5		5		5	4,088.88	5	3,794.20	5	3,484.68	5	3,161.59	5	2,830.09	5	2,498.45	5	2,166.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,082.89	1/4	3,787.89	1/4	3,478.08	1/4	3,154.72	1/4	2,823.18	1/4	2,491.54	1/4	2,159.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,076.89	1/2	3,781.58	1/2	3,471.48	1/2	3,147.84	1/2	2,816.27	1/2	2,484.63	1/2	2,152.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,070.89	3/4	3,775.26	3/4	3,464.88	3/4	3,140.96	3/4	2,809.36	3/4	2,477.72	3/4	2,146.03
6		6	4,363.54	6	4,064.87	6	3,768.92	6	3,458.26	6	3,134.06	6	2,802.45	6	2,470.81	6	2,139.12		
1/4	1/4	1/4	4,358.36	1/4	4,058.84	1/4	3,762.58	1/4	3,451.64	1/4	3,127.17	1/4	2,795.54	1/4	2,463.90	1/4	2,132.20		
1/2	1/2	1/2	4,353.18	1/2	4,052.82	1/2	3,756.24	1/2	3,445.02	1/2	3,120.27	1/2	2,788.63	1/2	2,456.99	1/2	2,125.29		
3/4	3/4	3/4	4,347.99	3/4	4,046.80	3/4	3,749.90	3/4	3,438.41	3/4	3,113.37	3/4	2,781.72	3/4	2,450.08	3/4	2,118.38		
7		7	4,341.08	7	4,040.75	7	3,743.54	7	3,431.77	7	3,106.46	7	2,774.82	7	2,443.17	7	2,111.47		
1/4	1/4	1/4	4,334.17	1/4	4,034.70	1/4	3,737.18	1/4	3,425.13	1/4	3,099.55	1/4	2,767.91	1/4	2,436.26	1/4	2,104.56		
1/2	1/2	1/2	4,327.26	1/2	4,028.66	1/2	3,730.82	1/2	3,418.49	1/2	3,092.64	1/2	2,761.00	1/2	2,429.35	1/2	2,097.65		
3/4	3/4	3/4	4,320.35	3/4	4,022.61	3/4	3,724.46	3/4	3,411.85	3/4	3,085.73	3/4	2,754.09	3/4	2,422.44	3/4	2,090.74		
8		8	4,313.44	8	4,016.54	8	3,718.08	8	3,405.18	8	3,078.82	8	2,747.18	8	2,415.53	8	2,083.83		
1/4	1/4	1/4	4,306.53	1/4	4,010.47	1/4	3,711.69	1/4	3,398.51	1/4	3,071.91	1/4	2,740.27	1/4	2,408.62	1/4	2,076.92		
1/2	1/2	1/2	4,299.62	1/2	4,004.40	1/2	3,705.31	1/2	3,391.84	1/2	3,065.00	1/2	2,733.36	1/2	2,401.71	1/2	2,070.01		
3/4	3/4	3/4	4,292.71	3/4	3,998.33	3/4	3,698.93	3/4	3,385.17	3/4	3,058.09	3/4	2,726.45	3/4	2,394.80	3/4	2,063.10		
9		9	4,285.80	9	3,992.24	9	3,692.52	9	3,378.48	9	3,051.18	9	2,719.54	9	2,387.89	9	2,056.19		
1/4	1/4	1/4	4,278.89	1/4	3,986.15	1/4	3,686.11	1/4	3,371.80	1/4	3,044.27	1/4	2,712.63	1/4	2,380.98	1/4	2,049.28		
1/2	1/2	1/2	4,271.98	1/2	3,980.06	1/2	3,679.70	1/2	3,365.11	1/2	3,037.37	1/2	2,705.72	1/2	2,374.07	1/2	2,042.37		
3/4	3/4	3/4	4,265.07	3/4	3,973.97	3/4	3,673.29	3/4	3,358.42	3/4	3,030.46	3/4	2,698.81	3/4	2,367.16	3/4	2,035.46		
10		10	4,258.16	10	3,967.86	10	3,666.86	10	3,351.71	10	3,023.55	10	2,691.91	10	2,360.25	10	2,028.55		
1/4	1/4	1/4	4,251.25	1/4	3,961.74	1/4	3,660.43	1/4	3,345.00	1/4	3,016.64	1/4	2,685.00	1/4	2,353.34	1/4	2,021.64		
1/2	1/2	1/2	4,244.34	1/2	3,955.62	1/2	3,654.00	1/2	3,338.29	1/2	3,009.73	1/2	2,678.09	1/2	2,346.43	1/2	2,014.73		
3/4	3/4	3/4	4,237.43	3/4	3,949.50	3/4	3,647.57	3/4	3,331.58	3/4	3,002.82	3/4	2,671.18	3/4	2,339.52	3/4	2,007.82		
11		11	4,231.53	11	3,943.36	11	3,641.11	11	3,324.84	11	2,995.91	11	2,664.27	11	2,332.61	11	2,000.91		
1/4	1/4	1/4	4,225.64	1/4	3,937.23	1/4	3,634.66	1/4	3,318.10	1/4	2,989.00	1/4	2,657.36	1/4	2,325.70	1/4	1,994.00		
1/2	1/2	1/2	4,219.74	1/2	3,931.09	1/2	3,628.21	1/2	3,311.37	1/2	2,982.09	1/2	2,650.45	1/2	2,318.79	1/2	1,987.09		
3/4	3/4	3/4	4,213.84	3/4	3,924.95	3/4	3,621.76	3/4	3,304.63	3/4	2,975.18	3/4	2,643.54	3/4	2,311.88	3/4	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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28139"

1 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.	
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: 06/10/2011 CL - SW
CALCULATED: 06/10/2011 CL
PRINTED: 06/10/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2011

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



BARGE "KIRBY 28139"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							4,215.37		3,926.25		3,622.82		3,305.44		2,975.74		2,643.85		2,311.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,209.45	1/4	3,920.09	1/4	3,616.34	1/4	3,298.68	1/4	2,968.83	1/4	2,636.93	1/4	2,305.01		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,203.53	1/2	3,913.92	1/2	3,609.85	1/2	3,291.92	1/2	2,961.91	1/2	2,630.02	1/2	2,298.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,197.61	3/4	3,907.76	3/4	3,603.37	3/4	3,285.15	3/4	2,955.00	3/4	2,623.10	3/4	2,291.18		
1	1	1	1	1	1	1	4,191.69	1	3,901.59	1	3,596.89	1	3,278.39	1	2,948.09	1	2,616.19	1	2,284.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,185.75	1/4	3,895.40	1/4	3,590.38	1/4	3,271.59	1/4	2,941.17	1/4	2,609.28	1/4	2,277.34		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,179.81	1/2	3,889.21	1/2	3,583.87	1/2	3,264.80	1/2	2,934.26	1/2	2,602.36	1/2	2,270.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,173.87	3/4	3,883.02	3/4	3,577.37	3/4	3,258.01	3/4	2,927.34	3/4	2,595.45	3/4	2,263.51		
2	2	2	2	2	2	2	4,167.93	2	3,876.82	2	3,570.86	2	3,251.21	2	2,920.43	2	2,588.53	2	2,256.60		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,161.96	1/4	3,870.61	1/4	3,564.34	1/4	3,244.40	1/4	2,913.51	1/4	2,581.62	1/4	2,249.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,155.99	1/2	3,864.40	1/2	3,557.81	1/2	3,237.59	1/2	2,906.60	1/2	2,574.70	1/2	2,242.76		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,150.02	3/4	3,858.19	3/4	3,551.28	3/4	3,230.78	3/4	2,899.68	3/4	2,567.79	3/4	2,235.85		
3	3	3	3	3	3	3	4,144.05	3	3,851.97	3	3,544.75	3	3,223.96	3	2,892.77	3	2,560.87	3	2,228.93		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,138.10	1/4	3,845.70	1/4	3,538.20	1/4	3,217.13	1/4	2,885.86	1/4	2,553.96	1/4	2,222.02		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,132.14	1/2	3,839.43	1/2	3,531.65	1/2	3,210.30	1/2	2,878.94	1/2	2,547.04	1/2	2,215.10		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,126.18	3/4	3,833.17	3/4	3,525.09	3/4	3,203.46	3/4	2,872.03	3/4	2,540.13	3/4	2,208.19		
4	4	4	4	4	4	4	4,120.23	4	3,826.90	4	3,518.54	4	3,196.63	4	2,865.11	4	2,533.22	4	2,201.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,114.25	1/4	3,820.60	1/4	3,511.96	1/4	3,189.77	1/4	2,858.20	1/4	2,526.30	1/4	2,194.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,108.27	1/2	3,814.31	1/2	3,505.39	1/2	3,182.90	1/2	2,851.28	1/2	2,519.39	1/2	2,187.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,102.30	3/4	3,808.01	3/4	3,498.81	3/4	3,176.04	3/4	2,844.37	3/4	2,512.47	3/4	2,180.52		
5	5	5	5	5	5	5	4,096.32	5	3,801.72	5	3,492.24	5	3,169.18	5	2,837.45	5	2,505.56	5	2,173.61		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,090.31	1/4	3,795.40	1/4	3,485.63	1/4	3,162.29	1/4	2,830.54	1/4	2,498.64	1/4	2,166.69		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,084.31	1/2	3,789.08	1/2	3,479.03	1/2	3,155.41	1/2	2,823.62	1/2	2,491.73	1/2	2,159.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,078.31	3/4	3,782.76	3/4	3,472.42	3/4	3,148.53	3/4	2,816.71	3/4	2,484.81	3/4	2,152.86		
6	6	6	6	6	6	6	4,072.30	6	3,776.45	6	3,465.82	6	3,141.65	6	2,809.80	6	2,477.90	6	2,145.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,066.28	1/4	3,770.10	1/4	3,459.20	1/4	3,134.75	1/4	2,802.88	1/4	2,470.99	1/4	2,139.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,360.00	1/2	4,060.25	1/2	3,763.76	1/2	3,452.57	1/2	3,127.84	1/2	2,795.97	1/2	2,464.07	1/2	2,132.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,354.81	3/4	4,054.22	3/4	3,757.41	3/4	3,445.95	3/4	3,120.94	3/4	2,789.05	3/4	2,457.16	3/4	2,125.19
7	7	7	7	7	7	7	4,349.62	7	4,048.20	7	3,751.06	7	3,439.33	7	3,114.03	7	2,782.14	7	2,450.24	7	2,118.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,342.71	1/4	4,042.15	1/4	3,744.70	1/4	3,432.68	1/4	3,107.12	1/4	2,775.22	1/4	2,443.33	1/4	2,111.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,335.79	1/2	4,036.09	1/2	3,738.33	1/2	3,426.03	1/2	3,100.20	1/2	2,768.31	1/2	2,436.41	1/2	2,104.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,328.88	3/4	4,030.04	3/4	3,731.97	3/4	3,419.39	3/4	3,093.29	3/4	2,761.39	3/4	2,429.49	3/4	2,097.53
8	8	8	8	8	8	8	4,321.96	8	4,023.98	8	3,725.60	8	3,412.74	8	3,086.38	8	2,754.48	8	2,422.58	8	2,090.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,315.05	1/4	4,017.91	1/4	3,719.21	1/4	3,406.07	1/4	3,079.46	1/4	2,747.57	1/4	2,415.66	1/4	2,083.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,308.13	1/2	4,011.84	1/2	3,712.83	1/2	3,399.40	1/2	3,072.55	1/2	2,740.65	1/2	2,408.75	1/2	2,076.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,301.21	3/4	4,005.76	3/4	3,706.44	3/4	3,392.72	3/4	3,065.63	3/4	2,733.74	3/4	2,401.83	3/4	2,069.87
9	9	9	9	9	9	9	4,294.30	9	3,999.69	9	3,700.05	9	3,386.05	9	3,058.72	9	2,726.82	9	2,394.91	9	2,062.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,287.38	1/4	3,993.60	1/4	3,693.64	1/4	3,379.36	1/4	3,051.80	1/4	2,719.91	1/4	2,388.00	1/4	2,056.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,280.47	1/2	3,987.50	1/2	3,687.22	1/2	3,372.66	1/2	3,044.89	1/2	2,712.99	1/2	2,381.08	1/2	2,049.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,273.55	3/4	3,981.41	3/4	3,680.81	3/4	3,365.97	3/4	3,037.97	3/4	2,706.08	3/4	2,374.17	3/4	2,042.20
10	10	10	10	10	10	10	4,266.63	10	3,975.31	10	3,674.39	10	3,359.27	10	3,031.06	10	2,699.16	10	2,367.25	10	2,035.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,259.72	1/4	3,969.19	1/4	3,667.96	1/4	3,352.56	1/4	3,024.15	1/4	2,692.25	1/4	2,360.33	1/4	2,028.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,252.80	1/2	3,963.07	1/2	3,661.52	1/2	3,345.84	1/2	3,017.23	1/2	2,685.33	1/2	2,353.42	1/2	2,021.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,245.89	3/4	3,956.94	3/4	3,655.09	3/4	3,339.13	3/4	3,010.32	3/4	2,678.42	3/4	2,346.50	3/4	2,014.54
11	11	11	11	11	11	11	4,238.97	11	3,950.82	11	3,648.65	11	3,332.41	11	3,003.40	11	2,671.51	11	2,339.59	11	2,007.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,233.07	1/4	3,944.68	1/4	3,642.19	1/4	3,325.67	1/4	2,996.49	1/4	2,664.59	1/4	2,332.67	1/4	2,000.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,227.17	1/2	3,938.54	1/2	3,635.74	1/2	3,318.93	1/2	2,989.57	1/2	2,657.68	1/2	2,325.76	1/2	1,993.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,221.27	3/4	3,932.39	3/4	3,629.28	3/4	3,312.19	3/4	2,982.66	3/4	2,650.76	3/4	2,318.84	3/4	1,986.88

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 28139"

1 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.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,973.04	1/4	1,641.08	1/4	1,309.12	1/4	977.73	1/4	663.08	1/4	369.94	1/4	100.44	1/4		1/4		1/4			
1/2	1,966.13	1/2	1,634.17	1/2	1,302.20	1/2	970.93	1/2	656.73	1/2	364.09	1/2	95.08	1/2		1/2		1/2			
3/4	1,959.21	3/4	1,627.25	3/4	1,295.29	3/4	964.13	3/4	650.39	3/4	358.24	3/4	89.72	3/4		3/4		3/4			
1	1,952.30	1	1,620.33	1	1,288.37	1	957.33	1	644.04	1	352.38	1	84.36	1		1		1			
1/4	1,945.38	1/4	1,613.42	1/4	1,281.45	1/4	950.59	1/4	637.74	1/4	346.58	1/4	79.05	1/4		1/4		1/4			
1/2	1,938.47	1/2	1,606.50	1/2	1,274.54	1/2	943.85	1/2	631.44	1/2	340.77	1/2	73.74	1/2		1/2		1/2			
3/4	1,931.55	3/4	1,599.59	3/4	1,267.62	3/4	937.12	3/4	625.14	3/4	334.96	3/4	68.42	3/4		3/4		3/4			
2	1,924.63	2	1,592.67	2	1,260.71	2	930.38	2	618.84	2	329.15	2	63.11	2		2		2			
1/4	1,917.72	1/4	1,585.75	1/4	1,253.79	1/4	923.68	1/4	612.58	1/4	323.38	1/4	57.83	1/4		1/4		1/4			
1/2	1,910.80	1/2	1,578.84	1/2	1,246.88	1/2	916.98	1/2	606.32	1/2	317.61	1/2	52.56	1/2		1/2		1/2			
3/4	1,903.89	3/4	1,571.92	3/4	1,239.96	3/4	910.28	3/4	600.05	3/4	311.84	3/4	47.28	3/4		3/4		3/4			
3	1,896.97	3	1,565.01	3	1,233.04	3	903.58	3	593.79	3	306.07	3	42.01	3		3		3			
1/4	1,890.05	1/4	1,558.09	1/4	1,226.13	1/4	896.92	1/4	587.57	1/4	300.35	1/4	37.64	1/4		1/4		1/4			
1/2	1,883.14	1/2	1,551.17	1/2	1,219.21	1/2	890.26	1/2	581.35	1/2	294.62	1/2	33.28	1/2		1/2		1/2			
3/4	1,876.22	3/4	1,544.26	3/4	1,212.30	3/4	883.61	3/4	575.14	3/4	288.89	3/4	28.91	3/4		3/4		3/4			
4	1,869.31	4	1,537.34	4	1,205.38	4	876.95	4	568.92	4	283.17	4	24.55	4		4		4			
1/4	1,862.39	1/4	1,530.43	1/4	1,198.46	1/4	870.33	1/4	562.74	1/4	277.48	1/4	21.95	1/4		1/4		1/4			
1/2	1,855.47	1/2	1,523.51	1/2	1,191.55	1/2	863.72	1/2	556.56	1/2	271.79	1/2	19.35	1/2		1/2		1/2			
3/4	1,848.56	3/4	1,516.60	3/4	1,184.63	3/4	857.10	3/4	550.38	3/4	266.10	3/4	16.75	3/4		3/4		3/4			
5	1,841.64	5	1,509.68	5	1,177.72	5	850.48	5	544.20	5	260.42	5	14.15	5		5		5			
1/4	1,834.73	1/4	1,502.76	1/4	1,170.80	1/4	843.91	1/4	538.06	1/4	254.77	1/4		1/4		1/4		1/4			
1/2	1,827.81	1/2	1,495.85	1/2	1,163.88	1/2	837.33	1/2	531.92	1/2	249.13	1/2		1/2		1/2		1/2			
3/4	1,820.89	3/4	1,488.93	3/4	1,156.97	3/4	830.76	3/4	525.79	3/4	243.48	3/4		3/4		3/4		3/4			
6	1,813.98	6	1,482.02	6	1,150.05	6	824.18	6	519.65	6	237.84	6		6		6		6			
1/4	1,807.06	1/4	1,475.10	1/4	1,143.14	1/4	817.65	1/4	513.55	1/4	232.23	1/4		1/4		1/4		1/4			
1/2	1,800.15	1/2	1,468.18	1/2	1,136.22	1/2	811.11	1/2	507.46	1/2	226.63	1/2		1/2		1/2		1/2			
3/4	1,793.23	3/4	1,461.27	3/4	1,129.30	3/4	804.58	3/4	501.36	3/4	221.02	3/4		3/4		3/4		3/4			
7	1,786.32	7	1,454.35	7	1,122.39	7	798.04	7	495.26	7	215.41	7		7		7		7			
1/4	1,779.40	1/4	1,447.44	1/4	1,115.47	1/4	791.55	1/4	489.21	1/4	209.85	1/4		1/4		1/4		1/4			
1/2	1,772.48	1/2	1,440.52	1/2	1,108.56	1/2	785.05	1/2	483.15	1/2	204.29	1/2		1/2		1/2		1/2			
3/4	1,765.57	3/4	1,433.60	3/4	1,101.64	3/4	778.56	3/4	477.10	3/4	198.73	3/4		3/4		3/4		3/4			
8	1,758.65	8	1,426.69	8	1,094.73	8	772.07	8	471.04	8	193.17	8		8		8		8			
1/4	1,751.74	1/4	1,419.77	1/4	1,087.81	1/4	765.61	1/4	465.03	1/4	187.64	1/4		1/4		1/4		1/4			
1/2	1,744.82	1/2	1,412.86	1/2	1,080.90	1/2	759.16	1/2	459.01	1/2	182.12	1/2		1/2		1/2		1/2			
3/4	1,737.90	3/4	1,405.94	3/4	1,073.98	3/4	752.71	3/4	452.99	3/4	176.59	3/4		3/4		3/4		3/4			
9	1,730.99	9	1,399.02	9	1,067.07	9	746.25	9	446.98	9	171.07	9		9		9		9			
1/4	1,724.07	1/4	1,392.11	1/4	1,060.16	1/4	739.82	1/4	441.01	1/4	165.59	1/4		1/4		1/4		1/4			
1/2	1,717.16	1/2	1,385.19	1/2	1,053.25	1/2	733.40	1/2	435.03	1/2	160.11	1/2		1/2		1/2		1/2			
3/4	1,710.24	3/4	1,378.28	3/4	1,046.35	3/4	726.97	3/4	429.06	3/4	154.63	3/4		3/4		3/4		3/4			
10	1,703.32	10	1,371.36	10	1,039.44	10	720.54	10	423.09	10	149.15	10		10		10		10			
1/4	1,696.41	1/4	1,364.45	1/4	1,032.55	1/4	714.14	1/4	417.15	1/4	143.71	1/4		1/4		1/4		1/4			
1/2	1,689.49	1/2	1,357.53	1/2	1,025.66	1/2	707.74	1/2	411.22	1/2	138.26	1/2		1/2		1/2		1/2			
3/4	1,682.58	3/4	1,350.61	3/4	1,018.77	3/4	701.35	3/4	405.29	3/4	132.82	3/4		3/4		3/4		3/4			
11	1,675.66	11	1,343.70	11	1,011.87	11	694.95	11	399.35	11	127.38	11		11		11		11			
1/4	1,668.74	1/4	1,336.78	1/4	1,005.04	1/4	688.57	1/4	393.46	1/4	121.98	1/4		1/4		1/4		1/4			
1/2	1,661.83	1/2	1,329.87	1/2	998.20	1/2	682.19	1/2	387.57	1/2	116.59	1/2		1/2		1/2		1/2			
3/4	1,654.91	3/4	1,322.95	3/4	991.36	3/4	675.80	3/4	381.68	3/4	111.19	3/4		3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/10/2011 CL - SW
CALCULATED: 06/10/2011 CL
PRINTED: 06/10/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2011

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



BARGE "KIRBY 28139"

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
							5,100.71		4,763.82		4,409.49		4,038.47		3,653.05		3,265.06		2,877.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,093.79	1/4	4,756.64	1/4	4,401.91	1/4	4,030.56	1/4	3,644.96	1/4	3,256.97	1/4	2,868.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,086.86	1/2	4,749.47	1/2	4,394.33	1/2	4,022.66	1/2	3,636.88	1/2	3,248.89	1/2	2,860.84		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,079.94	3/4	4,742.29	3/4	4,386.75	3/4	4,014.75	3/4	3,628.80	3/4	3,240.81	3/4	2,852.76		
1	1	1	1	1	1	1	5,073.02	1	4,735.12	1	4,379.17	1	4,006.84	1	3,620.71	1	3,232.73	1	2,844.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,066.07	1/4	4,727.91	1/4	4,371.56	1/4	3,998.90	1/4	3,612.63	1/4	3,224.64	1/4	2,836.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,059.13	1/2	4,720.71	1/2	4,363.96	1/2	3,990.96	1/2	3,604.55	1/2	3,216.56	1/2	2,828.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,052.18	3/4	4,713.50	3/4	4,356.35	3/4	3,983.02	3/4	3,596.46	3/4	3,208.48	3/4	2,820.41		
2	2	2	2	2	2	2	5,045.23	2	4,706.29	2	4,348.75	2	3,975.07	2	3,588.38	2	3,200.39	2	2,812.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,038.26	1/4	4,699.06	1/4	4,341.12	1/4	3,967.11	1/4	3,580.30	1/4	3,192.31	1/4	2,804.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,031.28	1/2	4,691.83	1/2	4,333.49	1/2	3,959.15	1/2	3,572.22	1/2	3,184.23	1/2	2,796.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,024.30	3/4	4,684.60	3/4	4,325.86	3/4	3,951.18	3/4	3,564.13	3/4	3,176.14	3/4	2,788.07		
3	3	3	3	3	3	3	5,017.32	3	4,677.36	3	4,318.23	3	3,943.22	3	3,556.05	3	3,168.06	3	2,779.99		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,010.39	1/4	4,670.04	1/4	4,310.57	1/4	3,935.23	1/4	3,547.97	1/4	3,159.98	1/4	2,771.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,003.46	1/2	4,662.71	1/2	4,302.90	1/2	3,927.24	1/2	3,539.88	1/2	3,151.89	1/2	2,763.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,996.52	3/4	4,655.38	3/4	4,295.24	3/4	3,919.25	3/4	3,531.80	3/4	3,143.81	3/4	2,755.73		
4	4	4	4	4	4	4	4,989.59	4	4,648.05	4	4,287.58	4	3,911.27	4	3,523.72	4	3,135.73	4	2,747.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,982.64	1/4	4,640.69	1/4	4,279.90	1/4	3,903.24	1/4	3,515.63	1/4	3,127.65	1/4	2,739.56		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,975.68	1/2	4,633.33	1/2	4,272.21	1/2	3,895.22	1/2	3,507.55	1/2	3,119.56	1/2	2,731.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,968.72	3/4	4,625.97	3/4	4,264.52	3/4	3,887.20	3/4	3,499.47	3/4	3,111.48	3/4	2,723.38		
5	5	5	5	5	5	5	4,961.76	5	4,618.61	5	4,256.84	5	3,879.17	5	3,491.38	5	3,103.40	5	2,715.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,954.77	1/4	4,611.23	1/4	4,249.11	1/4	3,871.13	1/4	3,483.30	1/4	3,095.31	1/4	2,707.21		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,947.79	1/2	4,603.85	1/2	4,241.39	1/2	3,863.08	1/2	3,475.22	1/2	3,087.23	1/2	2,699.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,940.80	3/4	4,596.46	3/4	4,233.67	3/4	3,855.04	3/4	3,467.14	3/4	3,079.15	3/4	2,691.04		
6	6	6	6	6	6	6	4,933.81	6	4,589.08	6	4,225.95	6	3,846.99	6	3,459.05	6	3,071.06	6	2,682.96		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,926.79	1/4	4,581.66	1/4	4,218.21	1/4	3,838.92	1/4	3,450.97	1/4	3,062.98	1/4	2,674.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,269.80	1/2	4,919.78	1/2	4,574.24	1/2	4,210.47	1/2	3,830.85	1/2	3,442.89	1/2	3,054.90	1/2	2,666.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,263.73	3/4	4,912.77	3/4	4,566.82	3/4	4,202.72	3/4	3,822.78	3/4	3,434.80	3/4	3,046.81	3/4	2,658.70
7	7	7	7	7	7	7	5,257.67	7	4,905.75	7	4,559.40	7	4,194.98	7	3,814.71	7	3,426.72	7	3,038.73	7	2,650.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,249.58	1/4	4,898.71	1/4	4,551.96	1/4	4,187.21	1/4	3,806.63	1/4	3,418.64	1/4	3,030.65	1/4	2,642.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,241.50	1/2	4,891.66	1/2	4,544.52	1/2	4,179.44	1/2	3,798.54	1/2	3,410.55	1/2	3,022.56	1/2	2,634.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,233.41	3/4	4,884.62	3/4	4,537.08	3/4	4,171.67	3/4	3,790.46	3/4	3,402.47	3/4	3,014.47	3/4	2,626.36
8	8	8	8	8	8	8	5,225.33	8	4,877.57	8	4,529.64	8	4,163.91	8	3,782.38	8	3,394.39	8	3,006.39	8	2,618.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,217.24	1/4	4,870.50	1/4	4,522.17	1/4	4,156.10	1/4	3,774.29	1/4	3,386.30	1/4	2,998.30	1/4	2,610.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,209.16	1/2	4,863.43	1/2	4,514.70	1/2	4,148.30	1/2	3,766.21	1/2	3,378.22	1/2	2,990.22	1/2	2,602.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,201.07	3/4	4,856.37	3/4	4,507.24	3/4	4,140.50	3/4	3,758.13	3/4	3,370.14	3/4	2,982.13	3/4	2,594.01
9	9	9	9	9	9	9	5,192.98	9	4,849.30	9	4,499.77	9	4,132.70	9	3,750.04	9	3,362.05	9	2,974.04	9	2,585.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,184.90	1/4	4,842.20	1/4	4,492.27	1/4	4,124.87	1/4	3,741.96	1/4	3,353.97	1/4	2,965.96	1/4	2,577.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,176.81	1/2	4,835.11	1/2	4,484.77	1/2	4,117.05	1/2	3,733.88	1/2	3,345.89	1/2	2,957.87	1/2	2,569.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,168.73	3/4	4,828.02	3/4	4,477.27	3/4	4,109.22	3/4	3,725.79	3/4	3,337.81	3/4	2,949.79	3/4	2,561.67
10	10	10	10	10	10	10	5,160.64	10	4,820.92	10	4,469.77	10	4,101.40	10	3,717.71	10	3,329.72	10	2,941.70	10	2,553.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,152.56	1/4	4,813.80	1/4	4,462.25	1/4	4,093.55	1/4	3,709.63	1/4	3,321.64	1/4	2,933.62	1/4	2,545.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,144.47	1/2	4,806.67	1/2	4,454.73	1/2	4,085.70	1/2	3,701.55	1/2	3,313.56	1/2	2,925.53	1/2	2,537.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,136.38	3/4	4,799.55	3/4	4,447.20	3/4	4,077.85	3/4	3,693.46	3/4	3,305.47	3/4	2,917.44	3/4	2,529.33
11	11	11	11	11	11	11	5,128.30	11	4,792.42	11	4,439.68	11	4,070.00	11	3,685.38	11	3,297.39	11	2,909.36	11	2,521.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,121.40	1/4	4,785.27	1/4	4,432.13	1/4	4,062.12	1/4	3,677.30	1/4	3,289.31	1/4	2,901.27	1/4	2,513.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,114.50	1/2	4,778.12	1/2	4,424.58	1/2	4,054.23	1/2	3,669.21	1/2	3,281.22	1/2	2,893.19	1/2	2,505.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,107.60	3/4	4,770.97	3/4	4,417.04	3/4	4,046.35	3/4	3,661.13	3/4	3,273.14	3/4	2,885.10	3/4	2,496.98

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'-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 28139"

2 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	IN	0
	2,488.90		2,100.78		1,712.66		1,324.54		936.42		549.18		161.48								
1/4	2,480.81	1/4	2,092.69	1/4	1,704.57	1/4	1,316.46	1/4	928.34	1/4	541.10	1/4	153.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,472.72	1/2	2,084.61	1/2	1,696.49	1/2	1,308.37	1/2	920.25	1/2	533.02	1/2	145.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,464.64	3/4	2,076.52	3/4	1,688.40	3/4	1,300.28	3/4	912.17	3/4	524.95	3/4	137.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,456.55	1	2,068.43	1	1,680.32	1	1,292.20	1	904.08	1	516.87	1	129.17	1	1	1	1	1	1	1	1
1/4	2,448.47	1/4	2,060.35	1/4	1,672.23	1/4	1,284.11	1/4	896.01	1/4	508.79	1/4	121.09	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,440.38	1/2	2,052.26	1/2	1,664.14	1/2	1,276.03	1/2	887.93	1/2	500.71	1/2	113.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,432.30	3/4	2,044.18	3/4	1,656.06	3/4	1,267.94	3/4	879.86	3/4	492.64	3/4	104.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,424.21	2	2,036.09	2	1,647.97	2	1,259.85	2	871.79	2	484.56	2	96.86	2	2	2	2	2	2	2	2
1/4	2,416.12	1/4	2,028.01	1/4	1,639.89	1/4	1,251.77	1/4	863.72	1/4	476.48	1/4	88.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,408.04	1/2	2,019.92	1/2	1,631.80	1/2	1,243.68	1/2	855.66	1/2	468.41	1/2	80.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,399.95	3/4	2,011.83	3/4	1,623.72	3/4	1,235.60	3/4	847.60	3/4	460.33	3/4	72.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,391.87	3	2,003.75	3	1,615.63	3	1,227.51	3	839.54	3	452.25	3	64.55	3	3	3	3	3	3	3	3
1/4	2,383.78	1/4	1,995.66	1/4	1,607.54	1/4	1,219.43	1/4	831.48	1/4	444.17	1/4	57.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,375.70	1/2	1,987.58	1/2	1,599.46	1/2	1,211.34	1/2	823.42	1/2	436.10	1/2	50.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,367.61	3/4	1,979.49	3/4	1,591.37	3/4	1,203.25	3/4	815.36	3/4	428.02	3/4	43.35	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,359.52	4	1,971.41	4	1,583.29	4	1,195.17	4	807.29	4	419.94	4	36.28	4	4	4	4	4	4	4	4
1/4	2,351.44	1/4	1,963.32	1/4	1,575.20	1/4	1,187.08	1/4	799.23	1/4	411.87	1/4	31.24	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,343.35	1/2	1,955.23	1/2	1,567.12	1/2	1,179.00	1/2	791.17	1/2	403.79	1/2	26.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,335.27	3/4	1,947.15	3/4	1,559.03	3/4	1,170.91	3/4	783.11	3/4	395.71	3/4	21.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,327.18	5	1,939.06	5	1,550.94	5	1,162.83	5	775.05	5	387.63	5	16.10	5	5	5	5	5	5	5	5
1/4	2,319.09	1/4	1,930.98	1/4	1,542.86	1/4	1,154.74	1/4	766.99	1/4	379.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,311.01	1/2	1,922.89	1/2	1,534.77	1/2	1,146.65	1/2	758.93	1/2	371.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,302.92	3/4	1,914.80	3/4	1,526.69	3/4	1,138.57	3/4	750.87	3/4	363.40	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	2,294.84	6	1,906.72	6	1,518.60	6	1,130.48	6	742.80	6	355.33	6		6	6	6	6	6	6	6	6
1/4	2,286.75	1/4	1,898.63	1/4	1,510.51	1/4	1,122.40	1/4	734.74	1/4	347.25	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,278.67	1/2	1,890.55	1/2	1,502.43	1/2	1,114.31	1/2	726.68	1/2	339.17	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,270.58	3/4	1,882.46	3/4	1,494.34	3/4	1,106.22	3/4	718.62	3/4	331.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	2,262.49	7	1,874.38	7	1,486.26	7	1,098.14	7	710.56	7	323.02	7		7	7	7	7	7	7	7	7
1/4	2,254.41	1/4	1,866.29	1/4	1,478.17	1/4	1,090.05	1/4	702.50	1/4	314.94	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,246.32	1/2	1,858.20	1/2	1,470.09	1/2	1,081.97	1/2	694.44	1/2	306.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,238.24	3/4	1,850.12	3/4	1,462.00	3/4	1,073.88	3/4	686.38	3/4	298.79	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	2,230.15	8	1,842.03	8	1,453.91	8	1,065.80	8	678.31	8	290.71	8		8	8	8	8	8	8	8	8
1/4	2,222.07	1/4	1,833.95	1/4	1,445.83	1/4	1,057.71	1/4	670.25	1/4	282.63	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,213.98	1/2	1,825.86	1/2	1,437.74	1/2	1,049.62	1/2	662.19	1/2	274.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,205.89	3/4	1,817.78	3/4	1,429.66	3/4	1,041.54	3/4	654.13	3/4	266.48	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	2,197.81	9	1,809.69	9	1,421.57	9	1,033.45	9	646.07	9	258.40	9		9	9	9	9	9	9	9	9
1/4	2,189.72	1/4	1,801.60	1/4	1,413.49	1/4	1,025.37	1/4	638.00	1/4	250.32	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,181.64	1/2	1,793.52	1/2	1,405.40	1/2	1,017.28	1/2	629.93	1/2	242.25	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,173.55	3/4	1,785.43	3/4	1,397.31	3/4	1,009.20	3/4	621.86	3/4	234.17	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	2,165.46	10	1,777.35	10	1,389.23	10	1,001.11	10	613.79	10	226.09	10		10	10	10	10	10	10	10	10
1/4	2,157.38	1/4	1,769.26	1/4	1,381.14	1/4	993.02	1/4	605.72	1/4	218.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,149.29	1/2	1,761.17	1/2	1,373.06	1/2	984.94	1/2	597.64	1/2	209.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,141.21	3/4	1,753.09	3/4	1,364.97	3/4	976.85	3/4	589.56	3/4	201.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	2,133.12	11	1,745.00	11	1,356.88	11	968.77	11	581.48	11	193.78	11		11	11	11	11	11	11	11	11
1/4	2,125.04	1/4	1,736.92	1/4	1,348.80	1/4	960.68	1/4	573.41	1/4	185.71	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,116.95	1/2	1,728.83	1/2	1,340.71	1/2	952.59	1/2	565.33	1/2	177.63	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,108.86	3/4	1,720.75	3/4	1,332.63	3/4	944.51	3/4	557.25	3/4	169.55	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: 06/10/2011 CL - SW
CALCULATED: 06/10/2011 CL
PRINTED: 06/10/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2011

PRECISION MEASUREMENT
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BARGE "KIRBY 28139"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,088.38	0	4,751.37	0	4,396.92	0	4,025.79	0	3,640.25	0	3,252.13	0	2,863.97
1/4		1/4		1/4		1/4	5,081.45	1/4	4,744.19	1/4	4,389.34	1/4	4,017.88	1/4	3,632.16	1/4	3,244.05	1/4	2,855.88
1/2		1/2		1/2		1/2	5,074.53	1/2	4,737.02	1/2	4,381.76	1/2	4,009.97	1/2	3,624.07	1/2	3,235.96	1/2	2,847.79
3/4		3/4		3/4		3/4	5,067.61	3/4	4,729.84	3/4	4,374.17	3/4	4,002.06	3/4	3,615.99	3/4	3,227.87	3/4	2,839.70
1		1		1		1	5,060.68	1	4,722.66	1	4,366.59	1	3,994.15	1	3,607.90	1	3,219.79	1	2,831.62
1/4		1/4		1/4		1/4	5,053.73	1/4	4,715.45	1/4	4,358.99	1/4	3,986.21	1/4	3,599.82	1/4	3,211.70	1/4	2,823.53
1/2		1/2		1/2		1/2	5,046.78	1/2	4,708.24	1/2	4,351.38	1/2	3,978.26	1/2	3,591.73	1/2	3,203.62	1/2	2,815.44
3/4		3/4		3/4		3/4	5,039.83	3/4	4,701.03	3/4	4,343.77	3/4	3,970.32	3/4	3,583.65	3/4	3,195.53	3/4	2,807.35
2		2		2		2	5,032.88	2	4,693.82	2	4,336.16	2	3,962.37	2	3,575.56	2	3,187.45	2	2,799.26
1/4		1/4		1/4		1/4	5,025.90	1/4	4,686.59	1/4	4,328.53	1/4	3,954.41	1/4	3,567.47	1/4	3,179.36	1/4	2,791.17
1/2		1/2		1/2		1/2	5,018.92	1/2	4,679.36	1/2	4,320.90	1/2	3,946.44	1/2	3,559.39	1/2	3,171.27	1/2	2,783.09
3/4		3/4		3/4		3/4	5,011.94	3/4	4,672.12	3/4	4,313.27	3/4	3,938.47	3/4	3,551.30	3/4	3,163.19	3/4	2,775.00
3		3		3		3	5,004.96	3	4,664.89	3	4,305.63	3	3,930.51	3	3,543.22	3	3,155.10	3	2,766.91
1/4		1/4		1/4		1/4	4,998.03	1/4	4,657.56	1/4	4,297.97	1/4	3,922.52	1/4	3,535.13	1/4	3,147.02	1/4	2,758.82
1/2		1/2		1/2		1/2	4,991.09	1/2	4,650.23	1/2	4,290.30	1/2	3,914.53	1/2	3,527.05	1/2	3,138.93	1/2	2,750.73
3/4		3/4		3/4		3/4	4,984.16	3/4	4,642.90	3/4	4,282.64	3/4	3,906.53	3/4	3,518.96	3/4	3,130.85	3/4	2,742.64
4		4		4		4	4,977.22	4	4,635.56	4	4,274.98	4	3,898.54	4	3,510.87	4	3,122.76	4	2,734.56
1/4		1/4		1/4		1/4	4,970.26	1/4	4,628.20	1/4	4,267.29	1/4	3,890.52	1/4	3,502.79	1/4	3,114.67	1/4	2,726.47
1/2		1/2		1/2		1/2	4,963.30	1/2	4,620.84	1/2	4,259.60	1/2	3,882.49	1/2	3,494.70	1/2	3,106.59	1/2	2,718.38
3/4		3/4		3/4		3/4	4,956.34	3/4	4,613.48	3/4	4,251.91	3/4	3,874.47	3/4	3,486.62	3/4	3,098.50	3/4	2,710.29
5		5		5		5	4,949.38	5	4,606.12	5	4,244.22	5	3,866.44	5	3,478.53	5	3,090.42	5	2,702.20
1/4		1/4		1/4		1/4	4,942.39	1/4	4,598.73	1/4	4,236.50	1/4	3,858.39	1/4	3,470.45	1/4	3,082.33	1/4	2,694.12
1/2		1/2		1/2		1/2	4,935.40	1/2	4,591.34	1/2	4,228.77	1/2	3,850.35	1/2	3,462.36	1/2	3,074.25	1/2	2,686.03
3/4		3/4		3/4		3/4	4,928.41	3/4	4,583.96	3/4	4,221.05	3/4	3,842.30	3/4	3,454.27	3/4	3,066.16	3/4	2,677.94
6		6		6		6	4,921.42	6	4,576.57	6	4,213.33	6	3,834.25	6	3,446.19	6	3,058.07	6	2,669.85
1/4		1/4		1/4		1/4	4,914.40	1/4	4,569.15	1/4	4,205.58	1/4	3,826.18	1/4	3,438.10	1/4	3,049.99	1/4	2,661.76
1/2		1/2		1/2	5,257.52	1/2	4,907.39	1/2	4,561.73	1/2	4,197.84	1/2	3,818.11	1/2	3,430.02	1/2	3,041.90	1/2	2,653.67
3/4		3/4		3/4	5,251.45	3/4	4,900.37	3/4	4,554.31	3/4	4,190.09	3/4	3,810.03	3/4	3,421.93	3/4	3,033.82	3/4	2,645.59
7		7		7	5,245.39	7	4,893.35	7	4,546.88	7	4,182.35	7	3,801.96	7	3,413.85	7	3,025.73	7	2,637.50
1/4		1/4		1/4	5,237.30	1/4	4,886.31	1/4	4,539.44	1/4	4,174.57	1/4	3,793.87	1/4	3,405.76	1/4	3,017.64	1/4	2,629.41
1/2		1/2		1/2	5,229.21	1/2	4,879.26	1/2	4,532.00	1/2	4,166.80	1/2	3,785.79	1/2	3,397.67	1/2	3,009.56	1/2	2,621.32
3/4		3/4		3/4	5,221.12	3/4	4,872.21	3/4	4,524.55	3/4	4,159.03	3/4	3,777.70	3/4	3,389.59	3/4	3,001.47	3/4	2,613.23
8		8		8	5,213.04	8	4,865.16	8	4,517.11	8	4,151.26	8	3,769.62	8	3,381.50	8	2,993.38	8	2,605.15
1/4		1/4		1/4	5,204.95	1/4	4,858.09	1/4	4,509.64	1/4	4,143.46	1/4	3,761.53	1/4	3,373.42	1/4	2,985.29	1/4	2,597.06
1/2		1/2		1/2	5,196.86	1/2	4,851.02	1/2	4,502.17	1/2	4,135.65	1/2	3,753.44	1/2	3,365.33	1/2	2,977.20	1/2	2,588.97
3/4		3/4		3/4	5,188.77	3/4	4,843.95	3/4	4,494.70	3/4	4,127.85	3/4	3,745.36	3/4	3,357.25	3/4	2,969.11	3/4	2,580.88
9		9		9	5,180.68	9	4,836.88	9	4,487.23	9	4,120.05	9	3,737.27	9	3,349.16	9	2,961.03	9	2,572.79
1/4		1/4		1/4	5,172.59	1/4	4,829.78	1/4	4,479.73	1/4	4,112.22	1/4	3,729.19	1/4	3,341.07	1/4	2,952.94	1/4	2,564.70
1/2		1/2		1/2	5,164.51	1/2	4,822.69	1/2	4,472.23	1/2	4,104.39	1/2	3,721.10	1/2	3,332.99	1/2	2,944.85	1/2	2,556.62
3/4		3/4		3/4	5,156.42	3/4	4,815.59	3/4	4,464.73	3/4	4,096.56	3/4	3,713.02	3/4	3,324.90	3/4	2,936.76	3/4	2,548.53
10		10		10	5,148.33	10	4,808.50	10	4,457.23	10	4,088.74	10	3,704.93	10	3,316.82	10	2,928.67	10	2,540.44
1/4		1/4		1/4	5,140.24	1/4	4,801.37	1/4	4,449.70	1/4	4,080.88	1/4	3,696.85	1/4	3,308.73	1/4	2,920.59	1/4	2,532.35
1/2		1/2		1/2	5,132.15	1/2	4,794.24	1/2	4,442.18	1/2	4,073.03	1/2	3,688.76	1/2	3,300.65	1/2	2,912.50	1/2	2,524.26
3/4		3/4		3/4	5,124.07	3/4	4,787.11	3/4	4,434.65	3/4	4,065.18	3/4	3,680.67	3/4	3,292.56	3/4	2,904.41	3/4	2,516.18
11		11		11	5,115.98	11	4,779.98	11	4,427.13	11	4,057.32	11	3,672.59	11	3,284.47	11	2,896.32	11	2,508.09
1/4		1/4		1/4	5,107.89	1/4	4,772.83	1/4	4,419.57	1/4	4,049.44	1/4	3,664.50	1/4	3,276.39	1/4	2,888.23	1/4	2,500.00
1/2		1/2		1/2	5,102.18	1/2	4,765.68	1/2	4,412.02	1/2	4,041.56	1/2	3,656.42	1/2	3,268.30	1/2	2,880.14	1/2	2,491.91
3/4		3/4		3/4	5,095.28	3/4	4,758.52	3/4	4,404.47	3/4	4,033.67	3/4	3,648.33	3/4	3,260.22	3/4	2,872.06	3/4	2,483.82

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'-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 28139"

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	2,475.73	0	2,087.50	0	1,699.27	0	1,311.03	0	923.41	0	550.25	0	162.06	0		0		0	
1/4	2,467.65	1/4	2,079.41	1/4	1,691.18	1/4	1,302.95	1/4	915.63	1/4	542.16	1/4	153.98	1/4	1/4	1/4		1/4	1/4
1/2	2,459.56	1/2	2,071.32	1/2	1,683.09	1/2	1,294.86	1/2	907.85	1/2	534.07	1/2	145.89	1/2	1/2	1/2		1/2	1/2
3/4	2,451.47	3/4	2,063.24	3/4	1,675.00	3/4	1,286.77	3/4	900.07	3/4	525.99	3/4	137.80	3/4	3/4	3/4		3/4	3/4
1	2,443.38	1	2,055.15	1	1,666.91	1	1,278.68	1	892.30	1	517.90	1	129.71	1	1	1		1	1
1/4	2,435.29	1/4	2,047.06	1/4	1,658.83	1/4	1,270.59	1/4	884.53	1/4	509.81	1/4	121.63	1/4	1/4	1/4		1/4	1/4
1/2	2,427.21	1/2	2,038.97	1/2	1,650.74	1/2	1,262.50	1/2	876.77	1/2	501.72	1/2	113.54	1/2	1/2	1/2		1/2	1/2
3/4	2,419.12	3/4	2,030.88	3/4	1,642.65	3/4	1,254.42	3/4	869.00	3/4	493.64	3/4	105.45	3/4	3/4	3/4		3/4	3/4
2	2,411.03	2	2,022.80	2	1,634.56	2	1,246.33	2	861.24	2	485.55	2	97.36	2	2	2		2	2
1/4	2,402.94	1/4	2,014.71	1/4	1,626.47	1/4	1,238.24	1/4	853.48	1/4	477.46	1/4	89.28	1/4	1/4	1/4		1/4	1/4
1/2	2,394.85	1/2	2,006.62	1/2	1,618.39	1/2	1,230.15	1/2	845.73	1/2	469.38	1/2	81.19	1/2	1/2	1/2		1/2	1/2
3/4	2,386.76	3/4	1,998.53	3/4	1,610.30	3/4	1,222.06	3/4	837.97	3/4	461.29	3/4	73.10	3/4	3/4	3/4		3/4	3/4
3	2,378.68	3	1,990.44	3	1,602.21	3	1,213.98	3	830.22	3	453.20	3	65.02	3	3	3		3	3
1/4	2,370.59	1/4	1,982.35	1/4	1,594.12	1/4	1,205.89	1/4	822.47	1/4	445.11	1/4	57.94	1/4	1/4	1/4		1/4	1/4
1/2	2,362.50	1/2	1,974.27	1/2	1,586.03	1/2	1,197.80	1/2	814.71	1/2	437.03	1/2	50.86	1/2	1/2	1/2		1/2	1/2
3/4	2,354.41	3/4	1,966.18	3/4	1,577.94	3/4	1,189.71	3/4	806.96	3/4	428.94	3/4	43.78	3/4	3/4	3/4		3/4	3/4
4	2,346.32	4	1,958.09	4	1,569.86	4	1,181.62	4	799.20	4	420.85	4	36.71	4	4	4		4	4
1/4	2,338.23	1/4	1,950.00	1/4	1,561.77	1/4	1,173.53	1/4	791.45	1/4	412.77	1/4	31.65	1/4	1/4	1/4		1/4	1/4
1/2	2,330.15	1/2	1,941.91	1/2	1,553.68	1/2	1,165.45	1/2	783.70	1/2	404.68	1/2	26.60	1/2	1/2	1/2		1/2	1/2
3/4	2,322.06	3/4	1,933.82	3/4	1,545.59	3/4	1,157.36	3/4	775.94	3/4	396.59	3/4	21.54	3/4	3/4	3/4		3/4	3/4
5	2,313.97	5	1,925.74	5	1,537.50	5	1,149.27	5	768.19	5	388.50	5	16.49	5	5	5		5	5
1/4	2,305.88	1/4	1,917.65	1/4	1,529.41	1/4	1,141.18	1/4	760.43	1/4	380.42	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,297.79	1/2	1,909.56	1/2	1,521.33	1/2	1,133.09	1/2	752.68	1/2	372.33	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,289.71	3/4	1,901.47	3/4	1,513.24	3/4	1,125.00	3/4	744.93	3/4	364.24	3/4		3/4	3/4	3/4		3/4	3/4
6	2,281.62	6	1,893.38	6	1,505.15	6	1,116.92	6	737.17	6	356.16	6		6	6	6		6	6
1/4	2,273.53	1/4	1,885.30	1/4	1,497.06	1/4	1,108.83	1/4	729.42	1/4	348.07	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,265.44	1/2	1,877.21	1/2	1,488.97	1/2	1,100.74	1/2	721.66	1/2	339.98	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,257.35	3/4	1,869.12	3/4	1,480.89	3/4	1,092.65	3/4	713.91	3/4	331.89	3/4		3/4	3/4	3/4		3/4	3/4
7	2,249.26	7	1,861.03	7	1,472.80	7	1,084.56	7	706.16	7	323.81	7		7	7	7		7	7
1/4	2,241.18	1/4	1,852.94	1/4	1,464.71	1/4	1,076.48	1/4	698.40	1/4	315.72	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,233.09	1/2	1,844.85	1/2	1,456.62	1/2	1,068.39	1/2	690.65	1/2	307.63	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,225.00	3/4	1,836.77	3/4	1,448.53	3/4	1,060.30	3/4	682.90	3/4	299.54	3/4		3/4	3/4	3/4		3/4	3/4
8	2,216.91	8	1,828.68	8	1,440.44	8	1,052.21	8	675.15	8	291.46	8		8	8	8		8	8
1/4	2,208.82	1/4	1,820.59	1/4	1,432.36	1/4	1,044.12	1/4	667.40	1/4	283.37	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,200.74	1/2	1,812.50	1/2	1,424.27	1/2	1,036.03	1/2	659.64	1/2	275.28	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,192.65	3/4	1,804.41	3/4	1,416.18	3/4	1,027.95	3/4	651.89	3/4	267.20	3/4		3/4	3/4	3/4		3/4	3/4
9	2,184.56	9	1,796.33	9	1,408.09	9	1,019.86	9	644.14	9	259.11	9		9	9	9		9	9
1/4	2,176.47	1/4	1,788.24	1/4	1,400.00	1/4	1,011.77	1/4	636.38	1/4	251.02	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,168.38	1/2	1,780.15	1/2	1,391.92	1/2	1,003.68	1/2	628.61	1/2	242.93	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,160.29	3/4	1,772.06	3/4	1,383.83	3/4	995.59	3/4	620.85	3/4	234.85	3/4		3/4	3/4	3/4		3/4	3/4
10	2,152.21	10	1,763.97	10	1,375.74	10	987.51	10	613.09	10	226.76	10		10	10	10		10	10
1/4	2,144.12	1/4	1,755.88	1/4	1,367.65	1/4	979.42	1/4	605.31	1/4	218.67	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,136.03	1/2	1,747.80	1/2	1,359.56	1/2	971.33	1/2	597.54	1/2	210.59	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,127.94	3/4	1,739.71	3/4	1,351.47	3/4	963.24	3/4	589.76	3/4	202.50	3/4		3/4	3/4	3/4		3/4	3/4
11	2,119.85	11	1,731.62	11	1,343.39	11	955.15	11	581.98	11	194.41	11		11	11	11		11	11
1/4	2,111.77	1/4	1,723.53	1/4	1,335.30	1/4	947.22	1/4	574.05	1/4	186.32	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,103.68	1/2	1,715.44	1/2	1,327.21	1/2	939.28	1/2	566.12	1/2	178.24	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,095.59	3/4	1,707.36	3/4	1,319.12	3/4	931.35	3/4	558.18	3/4	170.15	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/10/2011 CL - SW
CALCULATED: 06/10/2011 CL
PRINTED: 06/10/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2011

PRECISION MEASUREMENT
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BARGE "KIRBY 28139"

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	IN	0
							4,496.67		4,240.54		3,971.56		3,690.12		3,395.53		3,039.43		2,678.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,491.42	1/4	4,235.08	1/4	3,965.81	1/4	3,684.12	1/4	3,388.70	1/4	3,031.91	1/4	2,670.78		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,486.17	1/2	4,229.62	1/2	3,960.06	1/2	3,678.12	1/2	3,381.87	1/2	3,024.39	1/2	2,663.25		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,480.92	3/4	4,224.16	3/4	3,954.31	3/4	3,672.13	3/4	3,375.04	3/4	3,016.86	3/4	2,655.73		
1	1	1	1	1	1	1	4,475.68	1	4,218.70	1	3,948.56	1	3,666.13	1	3,368.22	1	3,009.34	1	2,648.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,470.41	1/4	4,213.22	1/4	3,942.79	1/4	3,660.10	1/4	3,361.11	1/4	3,001.82	1/4	2,640.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,465.14	1/2	4,207.73	1/2	3,937.02	1/2	3,654.08	1/2	3,354.01	1/2	2,994.29	1/2	2,633.15		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,459.87	3/4	4,202.25	3/4	3,931.25	3/4	3,648.05	3/4	3,346.90	3/4	2,986.77	3/4	2,625.63		
2	2	2	2	2	2	2	4,454.60	2	4,196.76	2	3,925.48	2	3,642.03	2	3,339.79	2	2,979.25	2	2,618.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,449.31	1/4	4,191.26	1/4	3,919.69	1/4	3,635.99	1/4	3,332.41	1/4	2,971.73	1/4	2,610.58		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,444.01	1/2	4,185.76	1/2	3,913.91	1/2	3,629.95	1/2	3,325.03	1/2	2,964.20	1/2	2,603.06		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,438.72	3/4	4,180.26	3/4	3,908.12	3/4	3,623.91	3/4	3,317.64	3/4	2,956.68	3/4	2,595.53		
3	3	3	3	3	3	3	4,433.43	3	4,174.76	3	3,902.33	3	3,617.87	3	3,310.26	3	2,949.16	3	2,588.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,428.15	1/4	4,169.20	1/4	3,896.52	1/4	3,611.81	1/4	3,302.74	1/4	2,941.63	1/4	2,580.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,422.88	1/2	4,163.64	1/2	3,890.71	1/2	3,605.75	1/2	3,295.21	1/2	2,934.11	1/2	2,572.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,417.60	3/4	4,158.08	3/4	3,884.90	3/4	3,599.69	3/4	3,287.69	3/4	2,926.59	3/4	2,565.43		
4	4	4	4	4	4	4	4,412.33	4	4,152.52	4	3,879.08	4	3,593.63	4	3,280.17	4	2,919.06	4	2,557.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,407.04	1/4	4,146.94	1/4	3,873.25	1/4	3,587.54	1/4	3,272.65	1/4	2,911.54	1/4	2,550.39		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,401.74	1/2	4,141.35	1/2	3,867.42	1/2	3,581.46	1/2	3,265.12	1/2	2,904.02	1/2	2,542.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,396.45	3/4	4,135.77	3/4	3,861.59	3/4	3,575.37	3/4	3,257.60	3/4	2,896.50	3/4	2,535.34		
5	5	5	5	5	5	5	4,391.15	5	4,130.19	5	3,855.76	5	3,569.28	5	3,250.08	5	2,888.97	5	2,527.81		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,385.84	1/4	4,124.59	1/4	3,849.90	1/4	3,563.18	1/4	3,242.55	1/4	2,881.45	1/4	2,520.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,380.52	1/2	4,118.99	1/2	3,844.05	1/2	3,557.08	1/2	3,235.03	1/2	2,873.93	1/2	2,512.76		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,375.20	3/4	4,113.39	3/4	3,838.19	3/4	3,550.98	3/4	3,227.51	3/4	2,866.40	3/4	2,505.24		
6	6	6	6	6	6	6	4,369.88	6	4,107.78	6	3,832.33	6	3,544.87	6	3,219.98	6	2,858.88	6	2,497.72		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,364.55	1/4	4,102.16	1/4	3,826.46	1/4	3,538.75	1/4	3,212.46	1/4	2,851.36	1/4	2,490.19		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,624.93	1/2	4,359.21	1/2	4,096.53	1/2	3,820.59	1/2	3,532.63	1/2	3,204.94	1/2	2,843.83	1/2	2,482.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,620.33	3/4	4,353.87	3/4	4,090.90	3/4	3,814.71	3/4	3,526.51	3/4	3,197.42	3/4	2,836.31	3/4	2,475.14
7	7	7	7	7	7	7	4,615.73	7	4,348.54	7	4,085.27	7	3,808.84	7	3,520.39	7	3,189.89	7	2,828.79	7	2,467.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,609.59	1/4	4,343.18	1/4	4,079.63	1/4	3,802.95	1/4	3,514.25	1/4	3,182.37	1/4	2,821.26	1/4	2,460.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,603.46	1/2	4,337.82	1/2	4,073.98	1/2	3,797.05	1/2	3,508.12	1/2	3,174.85	1/2	2,813.74	1/2	2,452.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,597.33	3/4	4,332.45	3/4	4,068.34	3/4	3,791.16	3/4	3,501.99	3/4	3,167.32	3/4	2,806.22	3/4	2,445.04
8	8	8	8	8	8	8	4,591.20	8	4,327.09	8	4,062.70	8	3,785.27	8	3,495.86	8	3,159.80	8	2,798.69	8	2,437.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,585.06	1/4	4,321.71	1/4	4,057.03	1/4	3,779.35	1/4	3,489.73	1/4	3,152.28	1/4	2,791.17	1/4	2,430.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,578.93	1/2	4,316.34	1/2	4,051.37	1/2	3,773.43	1/2	3,483.60	1/2	3,144.75	1/2	2,783.64	1/2	2,422.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,572.80	3/4	4,310.96	3/4	4,045.70	3/4	3,767.52	3/4	3,477.46	3/4	3,137.23	3/4	2,776.12	3/4	2,414.95
9	9	9	9	9	9	9	4,566.66	9	4,305.58	9	4,040.04	9	3,761.60	9	3,471.33	9	3,129.71	9	2,768.59	9	2,407.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,560.53	1/4	4,300.18	1/4	4,034.35	1/4	3,755.66	1/4	3,465.20	1/4	3,122.19	1/4	2,761.07	1/4	2,399.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,554.40	1/2	4,294.78	1/2	4,028.66	1/2	3,749.73	1/2	3,459.07	1/2	3,114.66	1/2	2,753.54	1/2	2,392.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,548.27	3/4	4,289.39	3/4	4,022.97	3/4	3,743.79	3/4	3,452.94	3/4	3,107.14	3/4	2,746.02	3/4	2,384.85
10	10	10	10	10	10	10	4,542.13	10	4,283.99	10	4,017.29	10	3,737.85	10	3,446.81	10	3,099.62	10	2,738.50	10	2,377.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,536.00	1/4	4,278.57	1/4	4,011.58	1/4	3,731.90	1/4	3,440.53	1/4	3,092.09	1/4	2,730.97	1/4	2,369.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,529.87	1/2	4,273.14	1/2	4,005.87	1/2	3,725.94	1/2	3,434.26	1/2	3,084.57	1/2	2,723.45	1/2	2,362.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,523.73	3/4	4,267.72	3/4	4,000.17	3/4	3,719.99	3/4	3,427.99	3/4	3,077.05	3/4	2,715.92	3/4	2,354.75
11	11	11	11	11	11	11	4,517.60	11	4,262.30	11	3,994.46	11	3,714.03	11	3,421.72	11	3,069.52	11	2,708.40	11	2,347.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,512.37	1/4	4,256.86	1/4	3,988.73	1/4	3,708.06	1/4	3,415.17	1/4	3,062.00	1/4	2,700.87	1/4	2,339.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,507.14	1/2	4,251.42	1/2	3,983.01	1/2	3,702.08	1/2	3,408.62	1/2	3,054.48	1/2	2,693.35	1/2	2,332.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,501.91	3/4	4,245.98	3/4	3,977.28	3/4	3,696.10	3/4	3,402.08	3/4	3,046.96	3/4	2,685.83	3/4	2,324.65

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 28139"

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	IN	0
	2,317.13		1,955.96		1,594.79		1,233.62		873.24		512.08		150.93								
1/4	2,309.61	1/4	1,948.43	1/4	1,587.26	1/4	1,226.09	1/4	865.72	1/4	504.56	1/4	143.40	1/4		1/4		1/4		1/4	
1/2	2,302.08	1/2	1,940.91	1/2	1,579.74	1/2	1,218.57	1/2	858.19	1/2	497.04	1/2	135.88	1/2		1/2		1/2		1/2	
3/4	2,294.56	3/4	1,933.39	3/4	1,572.21	3/4	1,211.04	3/4	850.67	3/4	489.51	3/4	128.36	3/4		3/4		3/4		3/4	
1	2,287.03	1	1,925.86	1	1,564.69	1	1,203.52	1	843.15	1	481.99	1	120.83	1		1		1		1	
1/4	2,279.51	1/4	1,918.34	1/4	1,557.17	1/4	1,195.99	1/4	835.62	1/4	474.46	1/4	113.31	1/4		1/4		1/4		1/4	
1/2	2,271.98	1/2	1,910.81	1/2	1,549.64	1/2	1,188.47	1/2	828.10	1/2	466.94	1/2	105.78	1/2		1/2		1/2		1/2	
3/4	2,264.46	3/4	1,903.29	3/4	1,542.12	3/4	1,180.95	3/4	820.57	3/4	459.42	3/4	98.26	3/4		3/4		3/4		3/4	
2	2,256.93	2	1,895.76	2	1,534.59	2	1,173.42	2	813.05	2	451.89	2	90.74	2		2		2		2	
1/4	2,249.41	1/4	1,888.24	1/4	1,527.07	1/4	1,165.90	1/4	805.52	1/4	444.37	1/4	83.21	1/4		1/4		1/4		1/4	
1/2	2,241.89	1/2	1,880.71	1/2	1,519.54	1/2	1,158.37	1/2	798.00	1/2	436.84	1/2	75.69	1/2		1/2		1/2		1/2	
3/4	2,234.36	3/4	1,873.19	3/4	1,512.02	3/4	1,150.85	3/4	790.48	3/4	429.32	3/4	68.16	3/4		3/4		3/4		3/4	
3	2,226.84	3	1,865.67	3	1,504.49	3	1,143.32	3	782.95	3	421.80	3	60.64	3		3		3		3	
1/4	2,219.31	1/4	1,858.14	1/4	1,496.97	1/4	1,135.80	1/4	775.43	1/4	414.27	1/4	54.05	1/4		1/4		1/4		1/4	
1/2	2,211.79	1/2	1,850.62	1/2	1,489.45	1/2	1,128.27	1/2	767.90	1/2	406.75	1/2	47.47	1/2		1/2		1/2		1/2	
3/4	2,204.26	3/4	1,843.09	3/4	1,481.92	3/4	1,120.75	3/4	760.38	3/4	399.22	3/4	40.89	3/4		3/4		3/4		3/4	
4	2,196.74	4	1,835.57	4	1,474.40	4	1,113.23	4	752.86	4	391.70	4	34.30	4		4		4		4	
1/4	2,189.21	1/4	1,828.04	1/4	1,466.87	1/4	1,105.73	1/4	745.33	1/4	384.18	1/4	29.60	1/4		1/4		1/4		1/4	
1/2	2,181.69	1/2	1,820.52	1/2	1,459.35	1/2	1,098.23	1/2	737.81	1/2	376.65	1/2	24.90	1/2		1/2		1/2		1/2	
3/4	2,174.17	3/4	1,812.99	3/4	1,451.82	3/4	1,090.73	3/4	730.28	3/4	369.13	3/4	20.19	3/4		3/4		3/4		3/4	
5	2,166.64	5	1,805.47	5	1,444.30	5	1,083.23	5	722.76	5	361.60	5	15.49	5		5		5		5	
1/4	2,159.12	1/4	1,797.95	1/4	1,436.77	1/4	1,075.73	1/4	715.24	1/4	354.08	1/4		1/4		1/4		1/4		1/4	
1/2	2,151.59	1/2	1,790.42	1/2	1,429.25	1/2	1,068.23	1/2	707.71	1/2	346.55	1/2		1/2		1/2		1/2		1/2	
3/4	2,144.07	3/4	1,782.90	3/4	1,421.73	3/4	1,060.73	3/4	700.19	3/4	339.03	3/4		3/4		3/4		3/4		3/4	
6	2,136.54	6	1,775.37	6	1,414.20	6	1,053.23	6	692.66	6	331.51	6		6		6		6		6	
1/4	2,129.02	1/4	1,767.85	1/4	1,406.68	1/4	1,045.73	1/4	685.14	1/4	323.98	1/4		1/4		1/4		1/4		1/4	
1/2	2,121.50	1/2	1,760.32	1/2	1,399.15	1/2	1,038.23	1/2	677.62	1/2	316.46	1/2		1/2		1/2		1/2		1/2	
3/4	2,113.97	3/4	1,752.80	3/4	1,391.63	3/4	1,030.73	3/4	670.09	3/4	308.93	3/4		3/4		3/4		3/4		3/4	
7	2,106.45	7	1,745.28	7	1,384.10	7	1,023.23	7	662.57	7	301.41	7		7		7		7		7	
1/4	2,098.92	1/4	1,737.75	1/4	1,376.58	1/4	1,015.73	1/4	655.04	1/4	293.89	1/4		1/4		1/4		1/4		1/4	
1/2	2,091.40	1/2	1,730.23	1/2	1,369.06	1/2	1,008.23	1/2	647.52	1/2	286.36	1/2		1/2		1/2		1/2		1/2	
3/4	2,083.87	3/4	1,722.70	3/4	1,361.53	3/4	1,000.73	3/4	639.99	3/4	278.84	3/4		3/4		3/4		3/4		3/4	
8	2,076.35	8	1,715.18	8	1,354.01	8	993.23	8	632.47	8	271.31	8		8		8		8		8	
1/4	2,068.82	1/4	1,707.65	1/4	1,346.48	1/4	985.73	1/4	624.95	1/4	263.79	1/4		1/4		1/4		1/4		1/4	
1/2	2,061.30	1/2	1,700.13	1/2	1,338.96	1/2	978.23	1/2	617.42	1/2	256.27	1/2		1/2		1/2		1/2		1/2	
3/4	2,053.78	3/4	1,692.60	3/4	1,331.43	3/4	970.74	3/4	609.90	3/4	248.74	3/4		3/4		3/4		3/4		3/4	
9	2,046.25	9	1,685.08	9	1,323.91	9	963.24	9	602.37	9	241.22	9		9		9		9		9	
1/4	2,038.73	1/4	1,677.56	1/4	1,316.38	1/4	955.74	1/4	594.85	1/4	233.69	1/4		1/4		1/4		1/4		1/4	
1/2	2,031.20	1/2	1,670.03	1/2	1,308.86	1/2	948.24	1/2	587.33	1/2	226.17	1/2		1/2		1/2		1/2		1/2	
3/4	2,023.68	3/4	1,662.51	3/4	1,301.34	3/4	940.74	3/4	579.80	3/4	218.65	3/4		3/4		3/4		3/4		3/4	
10	2,016.15	10	1,654.98	10	1,293.81	10	933.24	10	572.28	10	211.12	10		10		10		10		10	
1/4	2,008.63	1/4	1,647.46	1/4	1,286.29	1/4	925.74	1/4	564.75	1/4	203.60	1/4		1/4		1/4		1/4		1/4	
1/2	2,001.10	1/2	1,639.93	1/2	1,278.76	1/2	918.24	1/2	557.23	1/2	196.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,993.58	3/4	1,632.41	3/4	1,271.24	3/4	910.74	3/4	549.71	3/4	188.55	3/4		3/4		3/4		3/4		3/4	
11	1,986.06	11	1,624.88	11	1,263.71	11	903.24	11	542.18	11	181.02	11		11		11		11		11	
1/4	1,978.53	1/4	1,617.36	1/4	1,256.19	1/4	895.74	1/4	534.66	1/4	173.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,971.01	1/2	1,609.84	1/2	1,248.66	1/2	888.24	1/2	527.13	1/2	165.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,963.48	3/4	1,602.31	3/4	1,241.14	3/4	880.74	3/4	519.61	3/4	158.45	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/10/2011 CL - SW
CALCULATED: 06/10/2011 CL
PRINTED: 06/10/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2011

PRECISION MEASUREMENT
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BARGE "KIRBY 28139"

3 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	4,464.81	0	4,208.70	0	3,939.66	0	3,658.22	0	3,363.06	0	3,007.11	0	2,646.97
1/4		1/4		1/4		1/4	4,459.57	1/4	4,203.24	1/4	3,933.92	1/4	3,652.23	1/4	3,356.24	1/4	2,999.61	1/4	2,639.47
1/2		1/2		1/2		1/2	4,454.32	1/2	4,197.79	1/2	3,928.17	1/2	3,646.24	1/2	3,349.42	1/2	2,992.11	1/2	2,631.97
3/4		3/4		3/4		3/4	4,449.08	3/4	4,192.33	3/4	3,922.43	3/4	3,640.25	3/4	3,342.60	3/4	2,984.60	3/4	2,624.46
1		1		1		1	4,443.81	1	4,186.85	1	3,916.66	1	3,634.23	1	3,335.50	1	2,977.10	1	2,616.96
1/4		1/4		1/4		1/4	4,438.55	1/4	4,181.37	1/4	3,910.90	1/4	3,628.21	1/4	3,328.40	1/4	2,969.60	1/4	2,609.45
1/2		1/2		1/2		1/2	4,433.29	1/2	4,175.89	1/2	3,905.14	1/2	3,622.19	1/2	3,321.30	1/2	2,962.10	1/2	2,601.95
3/4		3/4		3/4		3/4	4,428.02	3/4	4,170.42	3/4	3,899.37	3/4	3,616.17	3/4	3,314.20	3/4	2,954.59	3/4	2,594.45
2		2		2		2	4,422.73	2	4,164.92	2	3,893.59	2	3,610.13	2	3,306.83	2	2,947.09	2	2,586.94
1/4		1/4		1/4		1/4	4,417.45	1/4	4,159.42	1/4	3,887.81	1/4	3,604.10	1/4	3,299.45	1/4	2,939.59	1/4	2,579.44
1/2		1/2		1/2		1/2	4,412.16	1/2	4,153.92	1/2	3,882.02	1/2	3,598.06	1/2	3,292.08	1/2	2,932.09	1/2	2,571.94
3/4		3/4		3/4		3/4	4,406.87	3/4	4,148.43	3/4	3,876.24	3/4	3,592.03	3/4	3,284.70	3/4	2,924.58	3/4	2,564.43
3		3		3		3	4,401.60	3	4,142.87	3	3,870.43	3	3,585.97	3	3,277.20	3	2,917.08	3	2,556.93
1/4		1/4		1/4		1/4	4,396.33	1/4	4,137.32	1/4	3,864.63	1/4	3,579.92	1/4	3,269.69	1/4	2,909.58	1/4	2,549.43
1/2		1/2		1/2		1/2	4,391.06	1/2	4,131.76	1/2	3,858.82	1/2	3,573.87	1/2	3,262.19	1/2	2,902.08	1/2	2,541.92
3/4		3/4		3/4		3/4	4,385.79	3/4	4,126.21	3/4	3,853.02	3/4	3,567.81	3/4	3,254.69	3/4	2,894.57	3/4	2,534.42
4		4		4		4	4,380.50	4	4,120.63	4	3,847.19	4	3,561.73	4	3,247.19	4	2,887.07	4	2,526.92
1/4		1/4		1/4		1/4	4,375.21	1/4	4,115.05	1/4	3,841.36	1/4	3,555.65	1/4	3,239.69	1/4	2,879.57	1/4	2,519.41
1/2		1/2		1/2		1/2	4,369.92	1/2	4,109.48	1/2	3,835.54	1/2	3,549.57	1/2	3,232.18	1/2	2,872.07	1/2	2,511.91
3/4		3/4		3/4		3/4	4,364.63	3/4	4,103.90	3/4	3,829.71	3/4	3,543.49	3/4	3,224.68	3/4	2,864.57	3/4	2,504.41
5		5		5		5	4,359.32	5	4,098.30	5	3,823.86	5	3,537.39	5	3,217.18	5	2,857.06	5	2,496.90
1/4		1/4		1/4		1/4	4,354.01	1/4	4,092.71	1/4	3,818.01	1/4	3,531.29	1/4	3,209.68	1/4	2,849.56	1/4	2,489.40
1/2		1/2		1/2		1/2	4,348.69	1/2	4,087.11	1/2	3,812.16	1/2	3,525.20	1/2	3,202.17	1/2	2,842.06	1/2	2,481.90
3/4		3/4		3/4		3/4	4,343.38	3/4	4,081.51	3/4	3,806.31	3/4	3,519.10	3/4	3,194.67	3/4	2,834.56	3/4	2,474.39
6		6		6		6	4,338.05	6	4,075.89	6	3,800.44	6	3,512.98	6	3,187.17	6	2,827.05	6	2,466.89
1/4		1/4		1/4	4,598.20	1/4	4,332.72	1/4	4,070.27	1/4	3,794.57	1/4	3,506.87	1/4	3,179.67	1/4	2,819.55	1/4	2,459.39
1/2		1/2		1/2	4,593.61	1/2	4,327.39	1/2	4,064.64	1/2	3,788.70	1/2	3,500.75	1/2	3,172.16	1/2	2,812.05	1/2	2,451.89
3/4		3/4		3/4	4,589.01	3/4	4,322.05	3/4	4,059.02	3/4	3,782.83	3/4	3,494.63	3/4	3,164.66	3/4	2,804.55	3/4	2,444.39
7		7		7	4,582.88	7	4,316.70	7	4,053.38	7	3,776.95	7	3,488.51	7	3,157.16	7	2,797.04	7	2,436.89
1/4		1/4		1/4	4,576.75	1/4	4,311.34	1/4	4,047.74	1/4	3,771.06	1/4	3,482.38	1/4	3,149.66	1/4	2,789.54	1/4	2,429.39
1/2		1/2		1/2	4,570.63	1/2	4,305.98	1/2	4,042.10	1/2	3,765.17	1/2	3,476.26	1/2	3,142.15	1/2	2,782.04	1/2	2,421.89
3/4		3/4		3/4	4,564.50	3/4	4,300.63	3/4	4,036.46	3/4	3,759.28	3/4	3,470.13	3/4	3,134.65	3/4	2,774.53	3/4	2,414.39
8		8		8	4,558.37	8	4,295.25	8	4,030.81	8	3,753.37	8	3,464.00	8	3,127.15	8	2,767.03	8	2,406.89
1/4		1/4		1/4	4,552.24	1/4	4,289.88	1/4	4,025.15	1/4	3,747.46	1/4	3,457.88	1/4	3,119.65	1/4	2,759.52	1/4	2,399.39
1/2		1/2		1/2	4,546.12	1/2	4,284.51	1/2	4,019.49	1/2	3,741.54	1/2	3,451.75	1/2	3,112.14	1/2	2,752.02	1/2	2,391.89
3/4		3/4		3/4	4,539.99	3/4	4,279.13	3/4	4,013.83	3/4	3,735.63	3/4	3,445.62	3/4	3,104.64	3/4	2,744.52	3/4	2,384.39
9		9		9	4,533.86	9	4,273.74	9	4,008.15	9	3,729.70	9	3,439.50	9	3,097.14	9	2,737.01	9	2,376.89
1/4		1/4		1/4	4,527.73	1/4	4,268.35	1/4	4,002.46	1/4	3,723.77	1/4	3,433.37	1/4	3,089.64	1/4	2,729.51	1/4	2,369.39
1/2		1/2		1/2	4,521.61	1/2	4,262.96	1/2	3,996.78	1/2	3,717.84	1/2	3,427.25	1/2	3,082.13	1/2	2,722.01	1/2	2,361.89
3/4		3/4		3/4	4,515.48	3/4	4,257.56	3/4	3,991.09	3/4	3,711.91	3/4	3,421.12	3/4	3,074.63	3/4	2,714.50	3/4	2,354.39
10		10		10	4,509.35	10	4,252.14	10	3,985.39	10	3,705.96	10	3,414.85	10	3,067.13	10	2,707.00	10	2,346.89
1/4		1/4		1/4	4,503.22	1/4	4,246.73	1/4	3,979.69	1/4	3,700.01	1/4	3,408.59	1/4	3,059.63	1/4	2,699.50	1/4	2,339.39
1/2		1/2		1/2	4,497.10	1/2	4,241.31	1/2	3,973.99	1/2	3,694.06	1/2	3,402.32	1/2	3,052.13	1/2	2,691.99	1/2	2,331.89
3/4		3/4		3/4	4,490.97	3/4	4,235.89	3/4	3,968.29	3/4	3,688.11	3/4	3,396.06	3/4	3,044.62	3/4	2,684.49	3/4	2,324.39
11		11		11	4,485.74	11	4,230.46	11	3,962.57	11	3,682.14	11	3,389.52	11	3,037.12	11	2,676.99	11	2,316.89
1/4		1/4		1/4	4,480.51	1/4	4,225.02	1/4	3,956.85	1/4	3,676.16	1/4	3,382.97	1/4	3,029.62	1/4	2,669.48	1/4	2,309.39
1/2		1/2		1/2	4,475.29	1/2	4,219.59	1/2	3,951.13	1/2	3,670.19	1/2	3,376.43	1/2	3,022.12	1/2	2,661.98	1/2	2,301.89
3/4		3/4		3/4	4,470.06	3/4	4,214.15	3/4	3,945.41	3/4	3,664.22	3/4	3,369.89	3/4	3,014.61	3/4	2,654.48	3/4	2,294.39

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'-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 28139"

3 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
1/4	2,279.38	1/4	1,920.62	1/4	1,562.11	1/4	1,202.17	1/4	848.72	1/4	495.99	1/4	135.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,271.88	1/2	1,913.18	1/2	1,554.61	1/2	1,194.80	1/2	841.36	1/2	488.56	1/2	128.23	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,264.37	3/4	1,905.74	3/4	1,547.10	3/4	1,187.43	3/4	833.99	3/4	481.12	3/4	120.72	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
1	2,256.87	1	1,898.30	1	1,539.60	1	1,180.07	1	826.62	1	473.61	1	113.20	1	1	1	1	1	1	1	
1/4	2,249.37	1/4	1,890.86	1/4	1,532.09	1/4	1,172.70	1/4	819.26	1/4	466.11	1/4	105.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,241.86	1/2	1,883.42	1/2	1,524.59	1/2	1,165.33	1/2	811.90	1/2	458.60	1/2	98.17	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,234.36	3/4	1,875.99	3/4	1,517.09	3/4	1,157.96	3/4	804.53	3/4	451.10	3/4	90.65	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
2	2,226.85	2	1,868.55	2	1,509.58	2	1,150.59	2	797.18	2	443.59	2	83.13	2	2	2	2	2	2	2	
1/4	2,219.35	1/4	1,861.11	1/4	1,502.08	1/4	1,143.23	1/4	789.83	1/4	436.09	1/4	75.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,211.84	1/2	1,853.67	1/2	1,494.57	1/2	1,135.86	1/2	782.49	1/2	428.58	1/2	68.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,204.34	3/4	1,846.23	3/4	1,487.07	3/4	1,128.49	3/4	775.14	3/4	421.08	3/4	60.58	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
3	2,196.83	3	1,838.79	3	1,479.56	3	1,121.12	3	767.80	3	413.57	3	54.00	3	3	3	3	3	3	3	
1/4	2,189.33	1/4	1,831.35	1/4	1,472.06	1/4	1,113.75	1/4	760.47	1/4	406.06	1/4	47.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,181.83	1/2	1,823.91	1/2	1,464.55	1/2	1,106.39	1/2	753.13	1/2	398.56	1/2	40.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,174.32	3/4	1,816.48	3/4	1,457.05	3/4	1,099.02	3/4	745.80	3/4	391.05	3/4	34.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
4	2,166.82	4	1,809.04	4	1,449.54	4	1,091.66	4	738.46	4	383.55	4	29.57	4	4	4	4	4	4	4	
1/4	2,159.31	1/4	1,801.60	1/4	1,442.04	1/4	1,084.29	1/4	731.13	1/4	376.04	1/4	24.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,151.81	1/2	1,794.16	1/2	1,434.54	1/2	1,076.93	1/2	723.79	1/2	368.54	1/2	20.17	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,144.30	3/4	1,786.72	3/4	1,427.03	3/4	1,069.57	3/4	716.46	3/4	361.03	3/4	15.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
5	2,136.80	5	1,779.28	5	1,419.53	5	1,062.21	5	709.12	5	353.53	5		5	5	5	5	5	5	5	
1/4	2,129.30	1/4	1,771.84	1/4	1,412.02	1/4	1,054.85	1/4	701.79	1/4	346.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,121.79	1/2	1,764.40	1/2	1,404.52	1/2	1,047.49	1/2	694.45	1/2	338.52	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,114.29	3/4	1,756.97	3/4	1,397.01	3/4	1,040.13	3/4	687.11	3/4	331.01	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
6	2,106.78	6	1,749.53	6	1,389.51	6	1,032.77	6	679.78	6	323.50	6		6	6	6	6	6	6	6	
1/4	2,099.28	1/4	1,742.09	1/4	1,382.00	1/4	1,025.41	1/4	672.44	1/4	316.00	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,091.77	1/2	1,734.65	1/2	1,374.50	1/2	1,018.04	1/2	665.10	1/2	308.49	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,084.27	3/4	1,727.21	3/4	1,367.00	3/4	1,010.68	3/4	657.77	3/4	300.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
7	2,076.83	7	1,719.71	7	1,359.49	7	1,003.32	7	650.43	7	293.48	7		7	7	7	7	7	7	7	
1/4	2,069.39	1/4	1,712.20	1/4	1,351.99	1/4	995.96	1/4	643.09	1/4	285.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,061.95	1/2	1,704.70	1/2	1,344.48	1/2	988.60	1/2	635.76	1/2	278.47	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,054.51	3/4	1,697.19	3/4	1,336.98	3/4	981.24	3/4	628.42	3/4	270.97	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
8	2,047.08	8	1,689.69	8	1,329.47	8	973.88	8	621.09	8	263.46	8		8	8	8	8	8	8	8	
1/4	2,039.64	1/4	1,682.18	1/4	1,321.97	1/4	966.52	1/4	613.75	1/4	255.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,032.20	1/2	1,674.68	1/2	1,314.46	1/2	959.15	1/2	606.41	1/2	248.45	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2,024.76	3/4	1,667.18	3/4	1,306.96	3/4	951.79	3/4	599.08	3/4	240.95	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
9	2,017.32	9	1,659.67	9	1,299.45	9	944.43	9	591.74	9	233.44	9		9	9	9	9	9	9	9	
1/4	2,009.88	1/4	1,652.17	1/4	1,291.95	1/4	937.07	1/4	584.40	1/4	225.93	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	2,002.44	1/2	1,644.66	1/2	1,284.45	1/2	929.71	1/2	577.07	1/2	218.43	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,995.00	3/4	1,637.16	3/4	1,276.94	3/4	922.35	3/4	569.73	3/4	210.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
10	1,987.57	10	1,629.65	10	1,269.44	10	914.99	10	562.38	10	203.41	10		10	10	10	10	10	10	10	
1/4	1,980.13	1/4	1,622.15	1/4	1,261.93	1/4	907.63	1/4	555.03	1/4	195.89	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,972.69	1/2	1,614.64	1/2	1,254.43	1/2	900.26	1/2	547.68	1/2	188.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,965.25	3/4	1,607.14	3/4	1,246.92	3/4	892.90	3/4	540.33	3/4	180.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
11	1,957.81	11	1,599.63	11	1,239.42	11	885.54	11	532.97	11	173.34	11		11	11	11	11	11	11	11	
1/4	1,950.37	1/4	1,592.13	1/4	1,231.91	1/4	878.18	1/4	525.60	1/4	165.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,942.93	1/2	1,584.63	1/2	1,224.41	1/2	870.82	1/2	518.23	1/2	158.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,935.49	3/4	1,577.12	3/4	1,216.91	3/4	863.46	3/4	510.87	3/4	150.79	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: 06/10/2011 CL - SW
CALCULATED: 06/10/2011 CL
PRINTED: 06/10/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2011

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