



# BARGE "KIRBY 28054"

## 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	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8
2 STBD	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8
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 2 PORT IS 00-3/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

July 17, 2007

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 28054"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,218.08	0	3,929.54	0	3,626.78	0	3,310.06	0	2,980.92	0	2,649.41	0	2,317.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,212.18	1/4	3,923.40	1/4	3,620.33	1/4	3,303.33	1/4	2,974.02	1/4	2,642.50	1/4	2,310.97		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,206.27	1/2	3,917.24	1/2	3,613.85	1/2	3,296.57	1/2	2,967.11	1/2	2,635.60	1/2	2,304.06		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,200.36	3/4	3,911.09	3/4	3,607.38	3/4	3,289.82	3/4	2,960.20	3/4	2,628.69	3/4	2,297.15		
1		1		1		1	4,194.45	1	3,904.93	1	3,600.90	1	3,283.06	1	2,953.30	1	2,621.78	1	2,290.25		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,188.53	1/4	3,898.77	1/4	3,594.43	1/4	3,276.30	1/4	2,946.39	1/4	2,614.88	1/4	2,283.34		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,182.60	1/2	3,892.59	1/2	3,587.93	1/2	3,269.52	1/2	2,939.48	1/2	2,607.97	1/2	2,276.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,176.66	3/4	3,886.40	3/4	3,581.43	3/4	3,262.73	3/4	2,932.58	3/4	2,601.07	3/4	2,269.52		
2		2		2		2	4,170.73	2	3,880.22	2	3,574.93	2	3,255.95	2	2,925.67	2	2,594.16	2	2,262.61		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,164.79	1/4	3,874.03	1/4	3,568.43	1/4	3,249.16	1/4	2,918.76	1/4	2,587.25	1/4	2,255.71		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,158.83	1/2	3,867.83	1/2	3,561.91	1/2	3,242.36	1/2	2,911.86	1/2	2,580.35	1/2	2,248.80		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,152.87	3/4	3,861.62	3/4	3,555.40	3/4	3,235.55	3/4	2,904.95	3/4	2,573.44	3/4	2,241.89		
3		3		3		3	4,146.91	3	3,855.42	3	3,548.88	3	3,228.75	3	2,898.04	3	2,566.53	3	2,234.98		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,140.95	1/4	3,849.21	1/4	3,542.36	1/4	3,221.94	1/4	2,891.14	1/4	2,559.63	1/4	2,228.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,135.00	1/2	3,842.95	1/2	3,535.81	1/2	3,215.12	1/2	2,884.23	1/2	2,552.72	1/2	2,221.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,129.05	3/4	3,836.69	3/4	3,529.26	3/4	3,208.29	3/4	2,877.33	3/4	2,545.81	3/4	2,214.26		
4		4		4		4	4,123.10	4	3,830.43	4	3,522.72	4	3,201.47	4	2,870.42	4	2,538.91	4	2,207.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,117.15	1/4	3,824.17	1/4	3,516.17	1/4	3,194.64	1/4	2,863.51	1/4	2,532.00	1/4	2,200.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,111.18	1/2	3,817.88	1/2	3,509.60	1/2	3,187.79	1/2	2,856.61	1/2	2,525.09	1/2	2,193.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,105.21	3/4	3,811.59	3/4	3,503.04	3/4	3,180.93	3/4	2,849.70	3/4	2,518.19	3/4	2,186.63		
5		5		5		5	4,099.24	5	3,805.30	5	3,496.47	5	3,174.08	5	2,842.79	5	2,511.28	5	2,179.72		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,093.27	1/4	3,799.01	1/4	3,489.90	1/4	3,167.22	1/4	2,835.89	1/4	2,504.37	1/4	2,172.81		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,087.27	1/2	3,792.71	1/2	3,483.30	1/2	3,160.35	1/2	2,828.98	1/2	2,497.47	1/2	2,165.91		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,081.28	3/4	3,786.40	3/4	3,476.71	3/4	3,153.47	3/4	2,822.07	3/4	2,490.56	3/4	2,159.00		
6		6		6		6	4,075.28	6	3,780.09	6	3,470.11	6	3,146.60	6	2,815.17	6	2,483.65	6	2,152.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,069.28	1/4	3,773.78	1/4	3,463.51	1/4	3,139.73	1/4	2,808.26	1/4	2,476.75	1/4	2,145.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,361.83	1/2	4,063.26	1/2	3,767.44	1/2	3,456.90	1/2	3,132.83	1/2	2,801.35	1/2	2,469.84	1/2	2,138.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,356.64	3/4	4,057.24	3/4	3,761.10	3/4	3,450.28	3/4	3,125.94	3/4	2,794.45	3/4	2,462.94	3/4	2,131.37
7		7		7		7	4,051.23	7	3,754.76	7	3,443.67	7	3,119.04	7	2,787.54	7	2,456.03	7	2,124.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,346.28	1/4	4,045.21	1/4	3,748.42	1/4	3,437.05	1/4	3,112.15	1/4	2,780.63	1/4	2,449.12	1/4	2,117.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,339.37	1/2	4,039.16	1/2	3,742.06	1/2	3,430.41	1/2	3,105.24	1/2	2,773.73	1/2	2,442.21	1/2	2,110.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,332.46	3/4	4,033.11	3/4	3,735.71	3/4	3,423.78	3/4	3,098.33	3/4	2,766.82	3/4	2,435.31	3/4	2,103.74
8		8		8		8	4,325.55	8	4,027.07	8	3,729.35	8	3,417.14	8	3,091.43	8	2,759.91	8	2,428.40	8	2,096.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,318.65	1/4	4,021.02	1/4	3,722.99	1/4	3,410.50	1/4	3,084.52	1/4	2,753.01	1/4	2,421.49	1/4	2,089.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,311.74	1/2	4,014.95	1/2	3,716.61	1/2	3,403.83	1/2	3,077.61	1/2	2,746.10	1/2	2,414.58	1/2	2,083.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,304.83	3/4	4,008.89	3/4	3,710.23	3/4	3,397.17	3/4	3,070.71	3/4	2,739.20	3/4	2,407.68	3/4	2,076.11
9		9		9		9	4,297.92	9	4,002.82	9	3,703.85	9	3,390.50	9	3,063.80	9	2,732.29	9	2,400.77	9	2,069.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,291.02	1/4	3,996.76	1/4	3,697.47	1/4	3,383.84	1/4	3,056.89	1/4	2,725.38	1/4	2,393.86	1/4	2,062.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,284.11	1/2	3,990.67	1/2	3,691.06	1/2	3,377.15	1/2	3,049.99	1/2	2,718.48	1/2	2,386.95	1/2	2,055.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,277.20	3/4	3,984.58	3/4	3,684.66	3/4	3,370.47	3/4	3,043.08	3/4	2,711.57	3/4	2,380.05	3/4	2,048.48
10		10		10		10	4,270.29	10	3,978.49	10	3,678.25	10	3,363.78	10	3,036.17	10	2,704.66	10	2,373.14	10	2,041.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,263.39	1/4	3,972.41	1/4	3,671.84	1/4	3,357.09	1/4	3,029.27	1/4	2,697.76	1/4	2,366.23	1/4	2,034.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,256.48	1/2	3,966.29	1/2	3,665.41	1/2	3,350.39	1/2	3,022.36	1/2	2,690.85	1/2	2,359.32	1/2	2,027.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,249.57	3/4	3,960.18	3/4	3,658.98	3/4	3,343.68	3/4	3,015.46	3/4	2,683.94	3/4	2,352.41	3/4	2,020.84
11		11		11		11	4,242.66	11	3,954.06	11	3,652.56	11	3,336.97	11	3,008.55	11	2,677.04	11	2,345.51	11	2,013.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,235.76	1/4	3,947.94	1/4	3,646.13	1/4	3,330.26	1/4	3,001.64	1/4	2,670.13	1/4	2,338.60	1/4	2,007.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,229.86	1/2	3,941.81	1/2	3,639.68	1/2	3,323.53	1/2	2,994.74	1/2	2,663.22	1/2	2,331.69	1/2	2,000.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,223.97	3/4	3,935.67	3/4	3,633.23	3/4	3,316.80	3/4	2,987.83	3/4	2,656.32	3/4	2,324.78	3/4	1,993.21

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

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<http://www.pmacorp.net>



# BARGE "KIRBY 28054"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,986.31	0	1,654.74	0	1,323.17	0	991.88	0	675.02	0	381.24	0	111.06	0		0		0	
1/4	1,979.40	1/4	1,647.83	1/4	1,316.26	1/4	985.02	1/4	668.64	1/4	375.36	1/4	105.67	1/4		1/4		1/4	
1/2	1,972.49	1/2	1,640.92	1/2	1,309.35	1/2	978.20	1/2	662.31	1/2	369.51	1/2	100.32	1/2		1/2		1/2	
3/4	1,965.58	3/4	1,634.01	3/4	1,302.44	3/4	971.37	3/4	655.97	3/4	363.67	3/4	94.97	3/4		3/4		3/4	
1	1,958.68	1	1,627.11	1	1,295.54	1	964.55	1	649.63	1	357.82	1	89.62	1		1		1	
1/4	1,951.77	1/4	1,620.20	1/4	1,288.63	1/4	957.72	1/4	643.30	1/4	351.98	1/4	84.26	1/4		1/4		1/4	
1/2	1,944.86	1/2	1,613.29	1/2	1,281.72	1/2	950.95	1/2	637.00	1/2	346.17	1/2	78.96	1/2		1/2		1/2	
3/4	1,937.95	3/4	1,606.38	3/4	1,274.81	3/4	944.18	3/4	630.71	3/4	340.37	3/4	73.65	3/4		3/4		3/4	
2	1,931.04	2	1,599.48	2	1,267.91	2	937.41	2	624.42	2	334.57	2	68.34	2		2		2	
1/4	1,924.14	1/4	1,592.57	1/4	1,261.00	1/4	930.64	1/4	618.12	1/4	328.77	1/4	63.04	1/4		1/4		1/4	
1/2	1,917.23	1/2	1,585.66	1/2	1,254.09	1/2	923.91	1/2	611.87	1/2	323.01	1/2	57.77	1/2		1/2		1/2	
3/4	1,910.32	3/4	1,578.75	3/4	1,247.18	3/4	917.18	3/4	605.61	3/4	317.24	3/4	52.50	3/4		3/4		3/4	
3	1,903.41	3	1,571.84	3	1,240.27	3	910.45	3	599.36	3	311.48	3	47.23	3		3		3	
1/4	1,896.51	1/4	1,564.94	1/4	1,233.37	1/4	903.72	1/4	593.10	1/4	305.72	1/4	41.96	1/4		1/4		1/4	
1/2	1,889.60	1/2	1,558.03	1/2	1,226.46	1/2	897.03	1/2	586.89	1/2	300.00	1/2	37.60	1/2		1/2		1/2	
3/4	1,882.69	3/4	1,551.12	3/4	1,219.55	3/4	890.34	3/4	580.68	3/4	294.28	3/4	33.24	3/4		3/4		3/4	
4	1,875.78	4	1,544.21	4	1,212.64	4	883.65	4	574.47	4	288.56	4	28.88	4		4		4	
1/4	1,868.88	1/4	1,537.31	1/4	1,205.74	1/4	876.97	1/4	568.26	1/4	282.84	1/4	24.52	1/4		1/4		1/4	
1/2	1,861.97	1/2	1,530.40	1/2	1,198.83	1/2	870.32	1/2	562.08	1/2	277.16	1/2	21.92	1/2		1/2		1/2	
3/4	1,855.06	3/4	1,523.49	3/4	1,191.92	3/4	863.67	3/4	555.91	3/4	271.48	3/4	19.33	3/4		3/4		3/4	
5	1,848.15	5	1,516.58	5	1,185.01	5	857.02	5	549.74	5	265.80	5	16.73	5		5		5	
1/4	1,841.24	1/4	1,509.67	1/4	1,178.11	1/4	850.37	1/4	543.57	1/4	260.11	1/4	14.14	1/4		1/4		1/4	
1/2	1,834.34	1/2	1,502.77	1/2	1,171.20	1/2	843.77	1/2	537.44	1/2	254.48	1/2		1/2		1/2		1/2	
3/4	1,827.43	3/4	1,495.86	3/4	1,164.29	3/4	837.16	3/4	531.31	3/4	248.84	3/4		3/4		3/4		3/4	
6	1,820.52	6	1,488.95	6	1,157.38	6	830.56	6	525.18	6	243.20	6		6		6		6	
1/4	1,813.61	1/4	1,482.04	1/4	1,150.47	1/4	823.95	1/4	519.05	1/4	237.57	1/4		1/4		1/4		1/4	
1/2	1,806.71	1/2	1,475.14	1/2	1,143.57	1/2	817.38	1/2	512.96	1/2	231.97	1/2		1/2		1/2		1/2	
3/4	1,799.80	3/4	1,468.23	3/4	1,136.66	3/4	810.82	3/4	506.87	3/4	226.37	3/4		3/4		3/4		3/4	
7	1,792.89	7	1,461.32	7	1,129.75	7	804.25	7	500.78	7	220.77	7		7		7		7	
1/4	1,785.98	1/4	1,454.41	1/4	1,122.84	1/4	797.69	1/4	494.69	1/4	215.16	1/4		1/4		1/4		1/4	
1/2	1,779.08	1/2	1,447.51	1/2	1,115.94	1/2	791.16	1/2	488.64	1/2	209.61	1/2		1/2		1/2		1/2	
3/4	1,772.17	3/4	1,440.60	3/4	1,109.03	3/4	784.64	3/4	482.59	3/4	204.06	3/4		3/4		3/4		3/4	
8	1,765.26	8	1,433.69	8	1,102.12	8	778.11	8	476.54	8	198.50	8		8		8		8	
1/4	1,758.35	1/4	1,426.78	1/4	1,095.21	1/4	771.59	1/4	470.49	1/4	192.95	1/4		1/4		1/4		1/4	
1/2	1,751.44	1/2	1,419.87	1/2	1,088.31	1/2	765.10	1/2	464.49	1/2	187.43	1/2		1/2		1/2		1/2	
3/4	1,744.54	3/4	1,412.97	3/4	1,081.40	3/4	758.62	3/4	458.48	3/4	181.91	3/4		3/4		3/4		3/4	
9	1,737.63	9	1,406.06	9	1,074.49	9	752.14	9	452.47	9	176.39	9		9		9		9	
1/4	1,730.72	1/4	1,399.15	1/4	1,067.59	1/4	745.65	1/4	446.46	1/4	170.87	1/4		1/4		1/4		1/4	
1/2	1,723.81	1/2	1,392.24	1/2	1,060.69	1/2	739.19	1/2	440.50	1/2	165.40	1/2		1/2		1/2		1/2	
3/4	1,716.91	3/4	1,385.34	3/4	1,053.79	3/4	732.74	3/4	434.53	3/4	159.93	3/4		3/4		3/4		3/4	
10	1,710.00	10	1,378.43	10	1,046.89	10	726.28	10	428.56	10	154.45	10		10		10		10	
1/4	1,703.09	1/4	1,371.52	1/4	1,039.99	1/4	719.82	1/4	422.60	1/4	148.98	1/4		1/4		1/4		1/4	
1/2	1,696.18	1/2	1,364.61	1/2	1,033.11	1/2	713.40	1/2	416.67	1/2	143.54	1/2		1/2		1/2		1/2	
3/4	1,689.28	3/4	1,357.71	3/4	1,026.23	3/4	706.98	3/4	410.74	3/4	138.11	3/4		3/4		3/4		3/4	
11	1,682.37	11	1,350.80	11	1,019.34	11	700.56	11	404.82	11	132.67	11		11		11		11	
1/4	1,675.46	1/4	1,343.89	1/4	1,012.46	1/4	694.15	1/4	398.89	1/4	127.23	1/4		1/4		1/4		1/4	
1/2	1,668.55	1/2	1,336.98	1/2	1,005.60	1/2	687.77	1/2	393.01	1/2	121.84	1/2		1/2		1/2		1/2	
3/4	1,661.64	3/4	1,330.07	3/4	998.74	3/4	681.39	3/4	387.12	3/4	116.45	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2007 CL - SW  
CALCULATED: 07/17/2007 CL  
PRINTED: 07/17/2007 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2007

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 28054"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

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

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 28054"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,984.79	0	1,653.18	0	1,321.57	0	990.33	0	675.10	0	381.28	0	111.07	0		0		0	
1/4	1,977.88	1/4	1,646.27	1/4	1,314.66	1/4	983.50	1/4	668.72	1/4	375.40	1/4	105.68	1/4	1/4	1/4		1/4	1/4
1/2	1,970.97	1/2	1,639.36	1/2	1,307.75	1/2	976.71	1/2	662.38	1/2	369.55	1/2	100.33	1/2	1/2	1/2		1/2	1/2
3/4	1,964.07	3/4	1,632.45	3/4	1,300.84	3/4	969.92	3/4	656.05	3/4	363.71	3/4	94.98	3/4	3/4	3/4		3/4	3/4
1	1,957.16	1	1,625.54	1	1,293.93	1	963.12	1	649.71	1	357.86	1	89.62	1		1		1	1
1/4	1,950.25	1/4	1,618.64	1/4	1,287.02	1/4	956.33	1/4	643.37	1/4	352.02	1/4	84.27	1/4	1/4	1/4		1/4	1/4
1/2	1,943.34	1/2	1,611.73	1/2	1,280.11	1/2	949.60	1/2	637.08	1/2	346.21	1/2	78.97	1/2	1/2	1/2		1/2	1/2
3/4	1,936.43	3/4	1,604.82	3/4	1,273.21	3/4	942.87	3/4	630.78	3/4	340.41	3/4	73.66	3/4	3/4	3/4		3/4	3/4
2	1,929.52	2	1,597.91	2	1,266.30	2	936.14	2	624.49	2	334.61	2	68.35	2		2		2	2
1/4	1,922.61	1/4	1,591.00	1/4	1,259.39	1/4	929.40	1/4	618.19	1/4	328.81	1/4	63.04	1/4	1/4	1/4		1/4	1/4
1/2	1,915.71	1/2	1,584.09	1/2	1,252.48	1/2	922.71	1/2	611.94	1/2	323.04	1/2	57.77	1/2	1/2	1/2		1/2	1/2
3/4	1,908.80	3/4	1,577.18	3/4	1,245.57	3/4	916.02	3/4	605.68	3/4	317.28	3/4	52.50	3/4	3/4	3/4		3/4	3/4
3	1,901.89	3	1,570.28	3	1,238.66	3	909.33	3	599.43	3	311.52	3	47.24	3		3		3	3
1/4	1,894.98	1/4	1,563.37	1/4	1,231.75	1/4	902.64	1/4	593.17	1/4	305.75	1/4	41.97	1/4	1/4	1/4		1/4	1/4
1/2	1,888.07	1/2	1,556.46	1/2	1,224.85	1/2	895.99	1/2	586.96	1/2	300.03	1/2	37.60	1/2	1/2	1/2		1/2	1/2
3/4	1,881.16	3/4	1,549.55	3/4	1,217.94	3/4	889.34	3/4	580.75	3/4	294.31	3/4	33.24	3/4	3/4	3/4		3/4	3/4
4	1,874.25	4	1,542.64	4	1,211.03	4	882.68	4	574.53	4	288.59	4	28.88	4		4		4	4
1/4	1,867.34	1/4	1,535.73	1/4	1,204.12	1/4	876.03	1/4	568.32	1/4	282.87	1/4	24.52	1/4	1/4	1/4		1/4	1/4
1/2	1,860.44	1/2	1,528.82	1/2	1,197.21	1/2	869.42	1/2	562.15	1/2	277.19	1/2	21.93	1/2	1/2	1/2		1/2	1/2
3/4	1,853.53	3/4	1,521.91	3/4	1,190.30	3/4	862.81	3/4	555.98	3/4	271.51	3/4	19.33	3/4	3/4	3/4		3/4	3/4
5	1,846.62	5	1,515.01	5	1,183.39	5	856.20	5	549.80	5	265.83	5	16.74	5		5		5	5
1/4	1,839.71	1/4	1,508.10	1/4	1,176.48	1/4	849.59	1/4	543.63	1/4	260.14	1/4	14.14	1/4	1/4	1/4		1/4	1/4
1/2	1,832.80	1/2	1,501.19	1/2	1,169.58	1/2	843.03	1/2	537.50	1/2	254.51	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,825.89	3/4	1,494.28	3/4	1,162.67	3/4	836.46	3/4	531.37	3/4	248.87	3/4		3/4	3/4	3/4		3/4	3/4
6	1,818.98	6	1,487.37	6	1,155.76	6	829.89	6	525.24	6	243.23	6		6		6		6	6
1/4	1,812.08	1/4	1,480.46	1/4	1,148.85	1/4	823.32	1/4	519.11	1/4	237.59	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,805.17	1/2	1,473.55	1/2	1,141.94	1/2	816.79	1/2	513.02	1/2	231.99	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,798.26	3/4	1,466.65	3/4	1,135.03	3/4	810.26	3/4	506.93	3/4	226.39	3/4		3/4	3/4	3/4		3/4	3/4
7	1,791.35	7	1,459.74	7	1,128.12	7	803.74	7	500.83	7	220.79	7		7		7		7	7
1/4	1,784.44	1/4	1,452.83	1/4	1,121.22	1/4	797.21	1/4	494.74	1/4	215.19	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,777.53	1/2	1,445.92	1/2	1,114.31	1/2	790.72	1/2	488.69	1/2	209.63	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,770.62	3/4	1,439.01	3/4	1,107.40	3/4	784.23	3/4	482.65	3/4	204.08	3/4		3/4	3/4	3/4		3/4	3/4
8	1,763.72	8	1,432.10	8	1,100.49	8	777.75	8	476.60	8	198.52	8		8		8		8	8
1/4	1,756.81	1/4	1,425.19	1/4	1,093.58	1/4	771.26	1/4	470.55	1/4	192.97	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,749.90	1/2	1,418.29	1/2	1,086.67	1/2	764.81	1/2	464.54	1/2	187.45	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,742.99	3/4	1,411.38	3/4	1,079.77	3/4	758.37	3/4	458.53	3/4	181.93	3/4		3/4	3/4	3/4		3/4	3/4
9	1,736.08	9	1,404.47	9	1,072.86	9	751.92	9	452.52	9	176.41	9		9		9		9	9
1/4	1,729.17	1/4	1,397.56	1/4	1,065.95	1/4	745.47	1/4	446.51	1/4	170.89	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,722.26	1/2	1,390.65	1/2	1,059.05	1/2	739.05	1/2	440.55	1/2	165.42	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,715.36	3/4	1,383.74	3/4	1,052.15	3/4	732.63	3/4	434.58	3/4	159.94	3/4		3/4	3/4	3/4		3/4	3/4
10	1,708.45	10	1,376.83	10	1,045.25	10	726.21	10	428.61	10	154.47	10		10		10		10	10
1/4	1,701.54	1/4	1,369.93	1/4	1,038.35	1/4	719.78	1/4	422.65	1/4	149.00	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,694.63	1/2	1,363.02	1/2	1,031.47	1/2	713.39	1/2	416.72	1/2	143.56	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,687.72	3/4	1,356.11	3/4	1,024.59	3/4	707.01	3/4	410.79	3/4	138.12	3/4		3/4	3/4	3/4		3/4	3/4
11	1,680.81	11	1,349.20	11	1,017.70	11	700.62	11	404.86	11	132.68	11		11		11		11	11
1/4	1,673.90	1/4	1,342.29	1/4	1,010.82	1/4	694.23	1/4	398.94	1/4	127.24	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,667.00	1/2	1,335.38	1/2	1,003.99	1/2	687.85	1/2	393.05	1/2	121.85	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,660.09	3/4	1,328.47	3/4	997.16	3/4	681.47	3/4	387.17	3/4	116.46	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2007 CL - SW  
CALCULATED: 07/17/2007 CL  
PRINTED: 07/17/2007 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2007

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



# BARGE "KIRBY 28054"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	5,113.35	0	4,777.04	0	4,423.59	0	4,053.32	0	3,668.38	0	3,280.47	0	2,892.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,106.45	1/4	4,769.89	1/4	4,416.04	1/4	4,045.44	1/4	3,660.30	1/4	3,272.39	1/4	2,884.43		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,099.56	1/2	4,762.75	1/2	4,408.49	1/2	4,037.56	1/2	3,652.22	1/2	3,264.31	1/2	2,876.35		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,092.64	3/4	4,755.57	3/4	4,400.91	3/4	4,029.65	3/4	3,644.14	3/4	3,256.23	3/4	2,868.26		
1		1		1		1	5,085.72	1	4,748.40	1	4,393.34	1	4,021.75	1	3,636.06	1	3,248.14	1	2,860.18		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,078.80	1/4	4,741.22	1/4	4,385.76	1/4	4,013.84	1/4	3,627.97	1/4	3,240.06	1/4	2,852.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,071.88	1/2	4,734.05	1/2	4,378.18	1/2	4,005.94	1/2	3,619.89	1/2	3,231.98	1/2	2,844.01		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,064.93	3/4	4,726.85	3/4	4,370.58	3/4	3,998.00	3/4	3,611.81	3/4	3,223.90	3/4	2,835.93		
2		2		2		2	5,057.99	2	4,719.64	2	4,362.97	2	3,990.06	2	3,603.73	2	3,215.82	2	2,827.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,051.04	1/4	4,712.44	1/4	4,355.37	1/4	3,982.12	1/4	3,595.65	1/4	3,207.74	1/4	2,819.76		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,044.10	1/2	4,705.23	1/2	4,347.77	1/2	3,974.18	1/2	3,587.57	1/2	3,199.66	1/2	2,811.68		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,037.12	3/4	4,698.00	3/4	4,340.14	3/4	3,966.22	3/4	3,579.49	3/4	3,191.57	3/4	2,803.59		
3		3		3		3	5,030.14	3	4,690.77	3	4,332.51	3	3,958.25	3	3,571.40	3	3,183.49	3	2,795.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,023.17	1/4	4,683.54	1/4	4,324.88	1/4	3,950.29	1/4	3,563.32	1/4	3,175.41	1/4	2,787.42		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,016.19	1/2	4,676.31	1/2	4,317.25	1/2	3,942.33	1/2	3,555.24	1/2	3,167.33	1/2	2,779.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,009.26	3/4	4,668.98	3/4	4,309.59	3/4	3,934.34	3/4	3,547.16	3/4	3,159.25	3/4	2,771.26		
4		4		4		4	5,002.33	4	4,661.66	4	4,301.93	4	3,926.36	4	3,539.08	4	3,151.17	4	2,763.17		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,995.40	1/4	4,654.33	1/4	4,294.27	1/4	3,918.37	1/4	3,531.00	1/4	3,143.08	1/4	2,755.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,988.47	1/2	4,647.00	1/2	4,286.61	1/2	3,910.38	1/2	3,522.92	1/2	3,135.00	1/2	2,747.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,981.51	3/4	4,639.65	3/4	4,278.93	3/4	3,902.36	3/4	3,514.83	3/4	3,126.92	3/4	2,738.92		
5		5		5		5	4,974.56	5	4,632.29	5	4,271.24	5	3,894.34	5	3,506.75	5	3,118.84	5	2,730.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,967.60	1/4	4,624.93	1/4	4,263.56	1/4	3,886.32	1/4	3,498.67	1/4	3,110.76	1/4	2,722.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,960.64	1/2	4,617.57	1/2	4,255.87	1/2	3,878.30	1/2	3,490.59	1/2	3,102.68	1/2	2,714.67		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,953.66	3/4	4,610.19	3/4	4,248.16	3/4	3,870.26	3/4	3,482.51	3/4	3,094.60	3/4	2,706.59		
6		6		6		6	4,946.67	6	4,602.81	6	4,240.44	6	3,862.21	6	3,474.43	6	3,086.51	6	2,698.50		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,939.68	1/4	4,595.42	1/4	4,232.72	1/4	3,854.17	1/4	3,466.34	1/4	3,078.43	1/4	2,690.42		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,932.70	1/2	4,588.04	1/2	4,225.00	1/2	3,846.13	1/2	3,458.26	1/2	3,070.35	1/2	2,682.33		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,925.68	3/4	4,580.62	3/4	4,217.26	3/4	3,838.06	3/4	3,450.18	3/4	3,062.27	3/4	2,674.25		
7		7		7	5,268.61	7	4,918.67	7	4,573.21	7	4,209.52	7	3,829.99	7	3,442.10	7	3,054.19	7	2,666.17		
1/4	1/4	1/4	1/4	1/4	5,262.55	1/4	4,911.66	1/4	4,565.79	1/4	4,201.77	1/4	3,821.92	1/4	3,434.02	1/4	3,046.11	1/4	2,658.08		
1/2	1/2	1/2	1/2	1/2	5,256.48	1/2	4,904.65	1/2	4,558.37	1/2	4,194.03	1/2	3,813.85	1/2	3,425.94	1/2	3,038.03	1/2	2,650.00		
3/4	3/4	3/4	3/4	3/4	5,248.40	3/4	4,897.60	3/4	4,550.93	3/4	4,186.27	3/4	3,805.77	3/4	3,417.86	3/4	3,029.94	3/4	2,641.91		
8		8		8	5,240.32	8	4,890.56	8	4,543.49	8	4,178.50	8	3,797.69	8	3,409.77	8	3,021.86	8	2,633.83		
1/4	1/4	1/4	1/4	1/4	5,232.23	1/4	4,883.51	1/4	4,536.05	1/4	4,170.73	1/4	3,789.60	1/4	3,401.69	1/4	3,013.77	1/4	2,625.75		
1/2	1/2	1/2	1/2	1/2	5,224.15	1/2	4,876.47	1/2	4,528.61	1/2	4,162.97	1/2	3,781.52	1/2	3,393.61	1/2	3,005.69	1/2	2,617.66		
3/4	3/4	3/4	3/4	3/4	5,216.06	3/4	4,869.40	3/4	4,521.15	3/4	4,155.17	3/4	3,773.44	3/4	3,385.53	3/4	2,997.61	3/4	2,609.58		
9		9		9	5,207.98	9	4,862.34	9	4,513.68	9	4,147.37	9	3,765.36	9	3,377.45	9	2,989.52	9	2,601.49		
1/4	1/4	1/4	1/4	1/4	5,199.90	1/4	4,855.27	1/4	4,506.22	1/4	4,139.57	1/4	3,757.28	1/4	3,369.37	1/4	2,981.44	1/4	2,593.41		
1/2	1/2	1/2	1/2	1/2	5,191.81	1/2	4,848.20	1/2	4,498.75	1/2	4,131.77	1/2	3,749.20	1/2	3,361.29	1/2	2,973.35	1/2	2,585.33		
3/4	3/4	3/4	3/4	3/4	5,183.73	3/4	4,841.11	3/4	4,491.26	3/4	4,123.94	3/4	3,741.12	3/4	3,353.20	3/4	2,965.27	3/4	2,577.24		
10		10		10	5,175.64	10	4,834.02	10	4,483.76	10	4,116.12	10	3,733.03	10	3,345.12	10	2,957.19	10	2,569.16		
1/4	1/4	1/4	1/4	1/4	5,167.56	1/4	4,826.93	1/4	4,476.26	1/4	4,108.30	1/4	3,724.95	1/4	3,337.04	1/4	2,949.10	1/4	2,561.08		
1/2	1/2	1/2	1/2	1/2	5,159.48	1/2	4,819.84	1/2	4,468.76	1/2	4,100.47	1/2	3,716.87	1/2	3,328.96	1/2	2,941.02	1/2	2,552.99		
3/4	3/4	3/4	3/4	3/4	5,151.39	3/4	4,812.71	3/4	4,461.24	3/4	4,092.63	3/4	3,708.79	3/4	3,320.88	3/4	2,932.93	3/4	2,544.91		
11		11		11	5,143.31	11	4,805.59	11	4,453.72	11	4,084.78	11	3,700.71	11	3,312.80	11	2,924.85	11	2,536.82		
1/4	1/4	1/4	1/4	1/4	5,135.22	1/4	4,798.46	1/4	4,446.20	1/4	4,076.93	1/4	3,692.63	1/4	3,304.71	1/4	2,916.77	1/4	2,528.74		
1/2	1/2	1/2	1/2	1/2	5,127.14	1/2	4,791.34	1/2	4,438.68	1/2	4,069.08	1/2	3,684.55	1/2	3,296.63	1/2	2,908.68	1/2	2,520.66		
3/4	3/4	3/4	3/4	3/4	5,120.24	3/4	4,784.19	3/4	4,431.13	3/4	4,061.20	3/4	3,676.46	3/4	3,288.55	3/4	2,900.60	3/4	2,512.57		

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 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 28054"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,504.49	0	2,116.46	0	1,728.43	0	1,340.41	0	952.38	0	565.20	0	177.59	0		0		0	
1/4	2,496.40	1/4	2,108.38	1/4	1,720.35	1/4	1,332.32	1/4	944.30	1/4	557.12	1/4	169.51	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,488.32	1/2	2,100.29	1/2	1,712.27	1/2	1,324.24	1/2	936.21	1/2	549.05	1/2	161.44	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,480.24	3/4	2,092.21	3/4	1,704.18	3/4	1,316.15	3/4	928.13	3/4	540.97	3/4	153.36	3/4	3/4	3/4	3/4	3/4	3/4
1	2,472.15	1	2,084.13	1	1,696.10	1	1,308.07	1	920.04	1	532.90	1	145.29	1		1		1	
1/4	2,464.07	1/4	2,076.04	1/4	1,688.01	1/4	1,299.99	1/4	911.96	1/4	524.82	1/4	137.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,455.98	1/2	2,067.96	1/2	1,679.93	1/2	1,291.90	1/2	903.88	1/2	516.75	1/2	129.14	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,447.90	3/4	2,059.87	3/4	1,671.85	3/4	1,283.82	3/4	895.80	3/4	508.67	3/4	121.06	3/4	3/4	3/4	3/4	3/4	3/4
2	2,439.82	2	2,051.79	2	1,663.76	2	1,275.74	2	887.73	2	500.60	2	112.99	2		2		2	
1/4	2,431.73	1/4	2,043.71	1/4	1,655.68	1/4	1,267.65	1/4	879.66	1/4	492.52	1/4	104.91	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,423.65	1/2	2,035.62	1/2	1,647.59	1/2	1,259.57	1/2	871.59	1/2	484.45	1/2	96.84	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,415.56	3/4	2,027.54	3/4	1,639.51	3/4	1,251.48	3/4	863.53	3/4	476.37	3/4	88.76	3/4	3/4	3/4	3/4	3/4	3/4
3	2,407.48	3	2,019.45	3	1,631.43	3	1,243.40	3	855.47	3	468.30	3	80.69	3		3		3	
1/4	2,399.40	1/4	2,011.37	1/4	1,623.34	1/4	1,235.32	1/4	847.41	1/4	460.22	1/4	72.61	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,391.31	1/2	2,003.29	1/2	1,615.26	1/2	1,227.23	1/2	839.35	1/2	452.15	1/2	64.54	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,383.23	3/4	1,995.20	3/4	1,607.17	3/4	1,219.15	3/4	831.29	3/4	444.07	3/4	57.47	3/4	3/4	3/4	3/4	3/4	3/4
4	2,375.15	4	1,987.12	4	1,599.09	4	1,211.06	4	823.23	4	436.00	4	50.40	4		4		4	
1/4	2,367.06	1/4	1,979.03	1/4	1,591.01	1/4	1,202.98	1/4	815.17	1/4	427.92	1/4	43.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,358.98	1/2	1,970.95	1/2	1,582.92	1/2	1,194.90	1/2	807.11	1/2	419.84	1/2	36.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,350.89	3/4	1,962.87	3/4	1,574.84	3/4	1,186.81	3/4	799.05	3/4	411.77	3/4	31.23	3/4	3/4	3/4	3/4	3/4	3/4
5	2,342.81	5	1,954.78	5	1,566.76	5	1,178.73	5	790.99	5	403.69	5	26.19	5		5		5	
1/4	2,334.73	1/4	1,946.70	1/4	1,558.67	1/4	1,170.64	1/4	782.93	1/4	395.62	1/4	21.14	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,326.64	1/2	1,938.61	1/2	1,550.59	1/2	1,162.56	1/2	774.88	1/2	387.54	1/2	16.10	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,318.56	3/4	1,930.53	3/4	1,542.50	3/4	1,154.48	3/4	766.82	3/4	379.47	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,310.47	6	1,922.45	6	1,534.42	6	1,146.39	6	758.76	6	371.39	6		6		6		6	
1/4	2,302.39	1/4	1,914.36	1/4	1,526.34	1/4	1,138.31	1/4	750.70	1/4	363.32	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,294.31	1/2	1,906.28	1/2	1,518.25	1/2	1,130.22	1/2	742.64	1/2	355.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,286.22	3/4	1,898.20	3/4	1,510.17	3/4	1,122.14	3/4	734.58	3/4	347.17	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,278.14	7	1,890.11	7	1,502.08	7	1,114.06	7	726.52	7	339.09	7		7		7		7	
1/4	2,270.05	1/4	1,882.03	1/4	1,494.00	1/4	1,105.97	1/4	718.46	1/4	331.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,261.97	1/2	1,873.94	1/2	1,485.92	1/2	1,097.89	1/2	710.40	1/2	322.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,253.89	3/4	1,865.86	3/4	1,477.83	3/4	1,089.81	3/4	702.34	3/4	314.87	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,245.80	8	1,857.78	8	1,469.75	8	1,081.72	8	694.28	8	306.79	8		8		8		8	
1/4	2,237.72	1/4	1,849.69	1/4	1,461.66	1/4	1,073.64	1/4	686.22	1/4	298.72	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,229.64	1/2	1,841.61	1/2	1,453.58	1/2	1,065.55	1/2	678.16	1/2	290.64	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,221.55	3/4	1,833.52	3/4	1,445.50	3/4	1,057.47	3/4	670.10	3/4	282.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,213.47	9	1,825.44	9	1,437.41	9	1,049.39	9	662.04	9	274.49	9		9		9		9	
1/4	2,205.38	1/4	1,817.36	1/4	1,429.33	1/4	1,041.30	1/4	653.98	1/4	266.42	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,197.30	1/2	1,809.27	1/2	1,421.25	1/2	1,033.22	1/2	645.92	1/2	258.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,189.22	3/4	1,801.19	3/4	1,413.16	3/4	1,025.13	3/4	637.85	3/4	250.27	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,181.13	10	1,793.10	10	1,405.08	10	1,017.05	10	629.79	10	242.19	10		10		10		10	
1/4	2,173.05	1/4	1,785.02	1/4	1,396.99	1/4	1,008.97	1/4	621.72	1/4	234.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,164.96	1/2	1,776.94	1/2	1,388.91	1/2	1,000.88	1/2	613.65	1/2	226.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,156.88	3/4	1,768.85	3/4	1,380.83	3/4	992.80	3/4	605.57	3/4	217.96	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,148.80	11	1,760.77	11	1,372.74	11	984.71	11	597.50	11	209.89	11		11		11		11	
1/4	2,140.71	1/4	1,752.69	1/4	1,364.66	1/4	976.63	1/4	589.42	1/4	201.81	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,132.63	1/2	1,744.60	1/2	1,356.57	1/2	968.55	1/2	581.35	1/2	193.74	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,124.54	3/4	1,736.52	3/4	1,348.49	3/4	960.46	3/4	573.27	3/4	185.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2007 CL - SW  
CALCULATED: 07/17/2007 CL  
PRINTED: 07/17/2007 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2007

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



# BARGE "KIRBY 28054"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	5,100.46	0	4,764.07	0	4,410.54	0	4,040.19	0	3,655.18	0	3,267.19	0	2,879.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,093.56	1/4	4,756.92	1/4	4,402.99	1/4	4,032.31	1/4	3,647.10	1/4	3,259.11	1/4	2,871.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,086.66	1/2	4,749.77	1/2	4,395.44	1/2	4,024.43	1/2	3,639.02	1/2	3,251.02	1/2	2,862.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,079.74	3/4	4,742.60	3/4	4,387.86	3/4	4,016.52	3/4	3,630.93	3/4	3,242.94	3/4	2,854.90
1		1		1		1	5,072.82	1	4,735.42	1	4,380.28	1	4,008.62	1	3,622.85	1	3,234.86	1	2,846.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,065.90	1/4	4,728.25	1/4	4,372.70	1/4	4,000.71	1/4	3,614.77	1/4	3,226.77	1/4	2,838.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,058.98	1/2	4,721.07	1/2	4,365.12	1/2	3,992.80	1/2	3,606.68	1/2	3,218.69	1/2	2,830.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,052.03	3/4	4,713.86	3/4	4,357.52	3/4	3,984.86	3/4	3,598.60	3/4	3,210.61	3/4	2,822.56
2		2		2		2	5,045.08	2	4,706.66	2	4,349.91	2	3,976.92	2	3,590.52	2	3,202.52	2	2,814.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,038.14	1/4	4,699.45	1/4	4,342.31	1/4	3,968.98	1/4	3,582.43	1/4	3,194.44	1/4	2,806.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,031.19	1/2	4,692.24	1/2	4,334.70	1/2	3,961.04	1/2	3,574.35	1/2	3,186.36	1/2	2,798.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,024.21	3/4	4,685.01	3/4	4,327.07	3/4	3,953.07	3/4	3,566.27	3/4	3,178.27	3/4	2,790.22
3		3		3		3	5,017.23	3	4,677.78	3	4,319.44	3	3,945.11	3	3,558.18	3	3,170.19	3	2,782.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,010.25	1/4	4,670.55	1/4	4,311.81	1/4	3,937.15	1/4	3,550.10	1/4	3,162.11	1/4	2,774.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,003.28	1/2	4,663.32	1/2	4,304.18	1/2	3,929.18	1/2	3,542.02	1/2	3,154.02	1/2	2,765.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,996.34	3/4	4,655.99	3/4	4,296.52	3/4	3,921.20	3/4	3,533.94	3/4	3,145.94	3/4	2,757.88
4		4		4		4	4,989.41	4	4,648.66	4	4,288.86	4	3,913.21	4	3,525.85	4	3,137.86	4	2,749.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,982.48	1/4	4,641.33	1/4	4,281.20	1/4	3,905.22	1/4	3,517.77	1/4	3,129.78	1/4	2,741.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,975.55	1/2	4,634.00	1/2	4,273.54	1/2	3,897.23	1/2	3,509.69	1/2	3,121.69	1/2	2,733.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,968.59	3/4	4,626.64	3/4	4,265.85	3/4	3,889.21	3/4	3,501.60	3/4	3,113.61	3/4	2,725.53
5		5		5		5	4,961.63	5	4,619.29	5	4,258.16	5	3,881.19	5	3,493.52	5	3,105.53	5	2,717.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,954.67	1/4	4,611.93	1/4	4,250.48	1/4	3,873.16	1/4	3,485.44	1/4	3,097.44	1/4	2,709.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,947.72	1/2	4,604.57	1/2	4,242.79	1/2	3,865.14	1/2	3,477.35	1/2	3,089.36	1/2	2,701.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,940.73	3/4	4,597.18	3/4	4,235.07	3/4	3,857.10	3/4	3,469.27	3/4	3,081.28	3/4	2,693.19
6		6		6		6	4,933.74	6	4,589.80	6	4,227.35	6	3,849.05	6	3,461.19	6	3,073.19	6	2,685.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,926.75	1/4	4,582.41	1/4	4,219.63	1/4	3,841.01	1/4	3,453.10	1/4	3,065.11	1/4	2,677.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,919.76	1/2	4,575.03	1/2	4,211.91	1/2	3,832.96	1/2	3,445.02	1/2	3,057.03	1/2	2,668.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,912.75	3/4	4,567.61	3/4	4,204.17	3/4	3,824.89	3/4	3,436.94	3/4	3,048.94	3/4	2,660.85
7		7		7	5,255.75	7	4,905.73	7	4,560.19	7	4,196.42	7	3,816.82	7	3,428.85	7	3,040.86	7	2,652.77
1/4	1/4	1/4	1/4	1/4	5,249.68	1/4	4,898.72	1/4	4,552.77	1/4	4,188.68	1/4	3,808.75	1/4	3,420.77	1/4	3,032.78	1/4	2,644.68
1/2	1/2	1/2	1/2	1/2	5,243.62	1/2	4,891.71	1/2	4,545.35	1/2	4,180.94	1/2	3,800.68	1/2	3,412.69	1/2	3,024.69	1/2	2,636.59
3/4	3/4	3/4	3/4	3/4	5,235.54	3/4	4,884.66	3/4	4,537.91	3/4	4,173.17	3/4	3,792.60	3/4	3,404.60	3/4	3,016.61	3/4	2,628.51
8		8		8	5,227.45	8	4,877.61	8	4,530.47	8	4,165.40	8	3,784.51	8	3,396.52	8	3,008.52	8	2,620.42
1/4	1/4	1/4	1/4	1/4	5,219.36	1/4	4,870.57	1/4	4,523.03	1/4	4,157.63	1/4	3,776.43	1/4	3,388.44	1/4	3,000.44	1/4	2,612.34
1/2	1/2	1/2	1/2	1/2	5,211.28	1/2	4,863.52	1/2	4,515.59	1/2	4,149.86	1/2	3,768.35	1/2	3,380.35	1/2	2,992.35	1/2	2,604.25
3/4	3/4	3/4	3/4	3/4	5,203.19	3/4	4,856.45	3/4	4,508.12	3/4	4,142.06	3/4	3,760.26	3/4	3,372.27	3/4	2,984.27	3/4	2,596.17
9		9		9	5,195.11	9	4,849.39	9	4,500.66	9	4,134.26	9	3,752.18	9	3,364.19	9	2,976.18	9	2,588.08
1/4	1/4	1/4	1/4	1/4	5,187.02	1/4	4,842.32	1/4	4,493.19	1/4	4,126.46	1/4	3,744.10	1/4	3,356.10	1/4	2,968.10	1/4	2,580.00
1/2	1/2	1/2	1/2	1/2	5,178.94	1/2	4,835.25	1/2	4,485.72	1/2	4,118.66	1/2	3,736.02	1/2	3,348.02	1/2	2,960.01	1/2	2,571.91
3/4	3/4	3/4	3/4	3/4	5,170.85	3/4	4,828.16	3/4	4,478.22	3/4	4,110.83	3/4	3,727.93	3/4	3,339.94	3/4	2,951.93	3/4	2,563.83
10		10		10	5,162.77	10	4,821.06	10	4,470.72	10	4,103.01	10	3,719.85	10	3,331.86	10	2,943.84	10	2,555.74
1/4	1/4	1/4	1/4	1/4	5,154.68	1/4	4,813.97	1/4	4,463.22	1/4	4,095.18	1/4	3,711.77	1/4	3,323.77	1/4	2,935.75	1/4	2,547.66
1/2	1/2	1/2	1/2	1/2	5,146.60	1/2	4,806.88	1/2	4,455.73	1/2	4,087.36	1/2	3,703.68	1/2	3,315.69	1/2	2,927.67	1/2	2,539.57
3/4	3/4	3/4	3/4	3/4	5,138.51	3/4	4,799.75	3/4	4,448.20	3/4	4,079.51	3/4	3,695.60	3/4	3,307.61	3/4	2,919.58	3/4	2,531.48
11		11		11	5,130.43	11	4,792.62	11	4,440.68	11	4,071.66	11	3,687.52	11	3,299.52	11	2,911.50	11	2,523.40
1/4	1/4	1/4	1/4	1/4	5,122.34	1/4	4,785.50	1/4	4,433.16	1/4	4,063.81	1/4	3,679.43	1/4	3,291.44	1/4	2,903.41	1/4	2,515.31
1/2	1/2	1/2	1/2	1/2	5,114.25	1/2	4,778.37	1/2	4,425.63	1/2	4,055.96	1/2	3,671.35	1/2	3,283.36	1/2	2,895.33	1/2	2,507.23
3/4	3/4	3/4	3/4	3/4	5,107.36	3/4	4,771.22	3/4	4,418.09	3/4	4,048.08	3/4	3,663.27	3/4	3,275.27	3/4	2,887.24	3/4	2,499.14

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 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "KIRBY 28054"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,491.06	0	2,102.96	0	1,714.86	0	1,326.76	0	938.97	0	565.93	0	178.18	0		0		0	
1/4	2,482.97	1/4	2,094.87	1/4	1,706.77	1/4	1,318.67	1/4	931.03	1/4	558.00	1/4	170.09	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,474.89	1/2	2,086.79	1/2	1,698.69	1/2	1,310.59	1/2	923.10	1/2	550.06	1/2	162.01	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,466.80	3/4	2,078.70	3/4	1,690.60	3/4	1,302.50	3/4	915.32	3/4	541.98	3/4	153.92	3/4	3/4	3/4	3/4	3/4	3/4
1	2,458.72	1	2,070.62	1	1,682.52	1	1,294.42	1	907.55	1	533.90	1	145.84	1		1		1	
1/4	2,450.63	1/4	2,062.53	1/4	1,674.43	1/4	1,286.33	1/4	899.77	1/4	525.81	1/4	137.75	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,442.54	1/2	2,054.45	1/2	1,666.35	1/2	1,278.25	1/2	891.99	1/2	517.73	1/2	129.67	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,434.46	3/4	2,046.36	3/4	1,658.26	3/4	1,270.16	3/4	884.23	3/4	509.64	3/4	121.59	3/4	3/4	3/4	3/4	3/4	3/4
2	2,426.37	2	2,038.27	2	1,650.18	2	1,262.08	2	876.47	2	501.56	2	113.50	2		2		2	
1/4	2,418.29	1/4	2,030.19	1/4	1,642.09	1/4	1,253.99	1/4	868.71	1/4	493.47	1/4	105.42	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,410.20	1/2	2,022.10	1/2	1,634.00	1/2	1,245.91	1/2	860.95	1/2	485.39	1/2	97.33	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,402.12	3/4	2,014.02	3/4	1,625.92	3/4	1,237.82	3/4	853.20	3/4	477.30	3/4	89.25	3/4	3/4	3/4	3/4	3/4	3/4
3	2,394.03	3	2,005.93	3	1,617.83	3	1,229.73	3	845.44	3	469.22	3	81.16	3		3		3	
1/4	2,385.95	1/4	1,997.85	1/4	1,609.75	1/4	1,221.65	1/4	837.69	1/4	461.13	1/4	73.08	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,377.86	1/2	1,989.76	1/2	1,601.66	1/2	1,213.56	1/2	829.94	1/2	453.05	1/2	64.99	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,369.78	3/4	1,981.68	3/4	1,593.58	3/4	1,205.48	3/4	822.19	3/4	444.97	3/4	57.92	3/4	3/4	3/4	3/4	3/4	3/4
4	2,361.69	4	1,973.59	4	1,585.49	4	1,197.39	4	814.44	4	436.88	4	50.84	4		4		4	
1/4	2,353.61	1/4	1,965.51	1/4	1,577.41	1/4	1,189.31	1/4	806.69	1/4	428.80	1/4	43.77	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,345.52	1/2	1,957.42	1/2	1,569.32	1/2	1,181.22	1/2	798.94	1/2	420.71	1/2	36.69	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,337.43	3/4	1,949.34	3/4	1,561.24	3/4	1,173.14	3/4	791.18	3/4	412.63	3/4	31.64	3/4	3/4	3/4	3/4	3/4	3/4
5	2,329.35	5	1,941.25	5	1,553.15	5	1,165.05	5	783.43	5	404.54	5	26.59	5		5		5	
1/4	2,321.26	1/4	1,933.16	1/4	1,545.07	1/4	1,156.97	1/4	775.68	1/4	396.46	1/4	21.53	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,313.18	1/2	1,925.08	1/2	1,536.98	1/2	1,148.88	1/2	767.93	1/2	388.37	1/2	16.48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,305.09	3/4	1,916.99	3/4	1,528.89	3/4	1,140.80	3/4	760.18	3/4	380.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,297.01	6	1,908.91	6	1,520.81	6	1,132.71	6	752.43	6	372.21	6		6		6		6	
1/4	2,288.92	1/4	1,900.82	1/4	1,512.72	1/4	1,124.62	1/4	744.67	1/4	364.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,280.84	1/2	1,892.74	1/2	1,504.64	1/2	1,116.54	1/2	736.92	1/2	356.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,272.75	3/4	1,884.65	3/4	1,496.55	3/4	1,108.45	3/4	729.17	3/4	347.95	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,264.67	7	1,876.57	7	1,488.47	7	1,100.37	7	721.42	7	339.87	7	7	7		7		7	
1/4	2,256.58	1/4	1,868.48	1/4	1,480.38	1/4	1,092.28	1/4	713.67	1/4	331.78	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,248.50	1/2	1,860.40	1/2	1,472.30	1/2	1,084.20	1/2	705.92	1/2	323.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,240.41	3/4	1,852.31	3/4	1,464.21	3/4	1,076.11	3/4	698.17	3/4	315.61	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,232.32	8	1,844.23	8	1,456.13	8	1,068.03	8	690.42	8	307.53	8		8		8		8	
1/4	2,224.24	1/4	1,836.14	1/4	1,448.04	1/4	1,059.94	1/4	682.67	1/4	299.44	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,216.15	1/2	1,828.05	1/2	1,439.96	1/2	1,051.86	1/2	674.92	1/2	291.36	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,208.07	3/4	1,819.97	3/4	1,431.87	3/4	1,043.77	3/4	667.17	3/4	283.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,199.98	9	1,811.88	9	1,423.78	9	1,035.69	9	659.42	9	275.19	9		9		9		9	
1/4	2,191.90	1/4	1,803.80	1/4	1,415.70	1/4	1,027.60	1/4	651.67	1/4	267.11	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,183.81	1/2	1,795.71	1/2	1,407.61	1/2	1,019.51	1/2	643.92	1/2	259.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,175.73	3/4	1,787.63	3/4	1,399.53	3/4	1,011.43	3/4	636.16	3/4	250.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,167.64	10	1,779.54	10	1,391.44	10	1,003.34	10	628.40	10	242.85	10		10		10		10	
1/4	2,159.56	1/4	1,771.46	1/4	1,383.36	1/4	995.26	1/4	620.64	1/4	234.77	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,151.47	1/2	1,763.37	1/2	1,375.27	1/2	987.17	1/2	612.88	1/2	226.68	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,143.39	3/4	1,755.29	3/4	1,367.19	3/4	979.09	3/4	605.11	3/4	218.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,135.30	11	1,747.20	11	1,359.10	11	971.00	11	597.34	11	210.52	11		11		11		11	
1/4	2,127.21	1/4	1,739.12	1/4	1,351.02	1/4	962.92	1/4	589.56	1/4	202.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,119.13	1/2	1,731.03	1/2	1,342.93	1/2	954.83	1/2	581.79	1/2	194.35	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,111.04	3/4	1,722.94	3/4	1,334.85	3/4	946.90	3/4	573.86	3/4	186.26	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2007 CL - SW  
CALCULATED: 07/17/2007 CL  
PRINTED: 07/17/2007 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2007

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



# BARGE "KIRBY 28054"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,512.46	0	4,256.44	0	3,987.71	0	3,706.45	0	3,412.65	0	3,058.09	0	2,696.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,507.23	1/4	4,251.00	1/4	3,981.98	1/4	3,700.47	1/4	3,406.10	1/4	3,050.56	1/4	2,689.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,501.99	1/2	4,245.55	1/2	3,976.25	1/2	3,694.48	1/2	3,399.54	1/2	3,043.03	1/2	2,681.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,496.73	3/4	4,240.08	3/4	3,970.49	3/4	3,688.47	3/4	3,392.70	3/4	3,035.49	3/4	2,673.93
1		1		1		1	4,491.48	1	4,234.62	1	3,964.74	1	3,682.47	1	3,385.87	1	3,027.96	1	2,666.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,486.22	1/4	4,229.15	1/4	3,958.98	1/4	3,676.46	1/4	3,379.03	1/4	3,020.43	1/4	2,658.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,480.96	1/2	4,223.68	1/2	3,953.22	1/2	3,670.46	1/2	3,372.20	1/2	3,012.90	1/2	2,651.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,475.69	3/4	4,218.19	3/4	3,947.45	3/4	3,664.43	3/4	3,365.08	3/4	3,005.37	3/4	2,643.80
2		2		2		2	4,470.41	2	4,212.70	2	3,941.67	2	3,658.40	2	3,357.97	2	2,997.83	2	2,636.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,465.14	1/4	4,207.21	1/4	3,935.90	1/4	3,652.36	1/4	3,350.85	1/4	2,990.30	1/4	2,628.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,459.86	1/2	4,201.72	1/2	3,930.12	1/2	3,646.33	1/2	3,343.74	1/2	2,982.77	1/2	2,621.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,454.56	3/4	4,196.22	3/4	3,924.33	3/4	3,640.28	3/4	3,336.35	3/4	2,975.24	3/4	2,613.67
3		3		3		3	4,449.27	3	4,190.71	3	3,918.53	3	3,634.24	3	3,328.96	3	2,967.71	3	2,606.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,443.97	1/4	4,185.20	1/4	3,912.74	1/4	3,628.19	1/4	3,321.57	1/4	2,960.17	1/4	2,598.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,438.67	1/2	4,179.69	1/2	3,906.94	1/2	3,622.14	1/2	3,314.17	1/2	2,952.64	1/2	2,591.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,433.39	3/4	4,174.12	3/4	3,901.12	3/4	3,616.07	3/4	3,306.64	3/4	2,945.11	3/4	2,583.53
4		4		4		4	4,428.11	4	4,168.56	4	3,895.30	4	3,610.01	4	3,299.11	4	2,937.58	4	2,576.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,422.82	1/4	4,162.99	1/4	3,889.49	1/4	3,603.94	1/4	3,291.58	1/4	2,930.05	1/4	2,568.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,417.54	1/2	4,157.43	1/2	3,883.67	1/2	3,597.87	1/2	3,284.05	1/2	2,922.52	1/2	2,560.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,412.24	3/4	4,151.84	3/4	3,877.83	3/4	3,591.78	3/4	3,276.51	3/4	2,914.98	3/4	2,553.40
5		5		5		5	4,406.94	5	4,146.25	5	3,871.99	5	3,585.69	5	3,268.98	5	2,907.45	5	2,545.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,401.64	1/4	4,140.66	1/4	3,866.15	1/4	3,579.59	1/4	3,261.45	1/4	2,899.92	1/4	2,538.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,396.34	1/2	4,135.07	1/2	3,860.32	1/2	3,573.50	1/2	3,253.92	1/2	2,892.39	1/2	2,530.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,391.02	3/4	4,129.46	3/4	3,854.45	3/4	3,567.39	3/4	3,246.39	3/4	2,884.86	3/4	2,523.27
6		6		6		6	4,385.70	6	4,123.85	6	3,848.59	6	3,561.28	6	3,238.86	6	2,877.32	6	2,515.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,380.37	1/4	4,118.25	1/4	3,842.73	1/4	3,555.17	1/4	3,231.32	1/4	2,869.79	1/4	2,508.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,375.05	1/2	4,112.64	1/2	3,836.86	1/2	3,549.06	1/2	3,223.79	1/2	2,862.26	1/2	2,500.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,369.71	3/4	4,107.00	3/4	3,830.98	3/4	3,542.93	3/4	3,216.26	3/4	2,854.73	3/4	2,493.13
7		7		7	4,630.40	7	4,364.36	7	4,101.37	7	3,825.10	7	3,536.80	7	3,208.73	7	2,847.20	7	2,485.60
1/4	1/4	1/4	1/4	1/4	4,625.79	1/4	4,359.02	1/4	4,095.73	1/4	3,819.22	1/4	3,530.67	1/4	3,201.20	1/4	2,839.66	1/4	2,478.07
1/2	1/2	1/2	1/2	1/2	4,621.18	1/2	4,353.68	1/2	4,090.10	1/2	3,813.34	1/2	3,524.55	1/2	3,193.66	1/2	2,832.13	1/2	2,470.53
3/4	3/4	3/4	3/4	3/4	4,615.04	3/4	4,348.31	3/4	4,084.45	3/4	3,807.44	3/4	3,518.41	3/4	3,186.13	3/4	2,824.60	3/4	2,463.00
8		8		8	4,608.90	8	4,342.94	8	4,078.80	8	3,801.54	8	3,512.27	8	3,178.60	8	2,817.07	8	2,455.47
1/4	1/4	1/4	1/4	1/4	4,602.76	1/4	4,337.57	1/4	4,073.15	1/4	3,795.64	1/4	3,506.13	1/4	3,171.07	1/4	2,809.53	1/4	2,447.93
1/2	1/2	1/2	1/2	1/2	4,596.62	1/2	4,332.21	1/2	4,067.50	1/2	3,789.74	1/2	3,499.99	1/2	3,163.54	1/2	2,802.00	1/2	2,440.40
3/4	3/4	3/4	3/4	3/4	4,590.48	3/4	4,326.82	3/4	4,061.83	3/4	3,783.82	3/4	3,493.85	3/4	3,156.00	3/4	2,794.47	3/4	2,432.87
9		9		9	4,584.34	9	4,321.44	9	4,056.16	9	3,777.89	9	3,487.71	9	3,148.47	9	2,786.93	9	2,425.33
1/4	1/4	1/4	1/4	1/4	4,578.20	1/4	4,316.05	1/4	4,050.48	1/4	3,771.97	1/4	3,481.57	1/4	3,140.94	1/4	2,779.40	1/4	2,417.80
1/2	1/2	1/2	1/2	1/2	4,572.06	1/2	4,310.67	1/2	4,044.81	1/2	3,766.04	1/2	3,475.43	1/2	3,133.41	1/2	2,771.87	1/2	2,410.27
3/4	3/4	3/4	3/4	3/4	4,565.92	3/4	4,305.26	3/4	4,039.12	3/4	3,760.10	3/4	3,469.30	3/4	3,125.88	3/4	2,764.33	3/4	2,402.73
10		10		10	4,559.78	10	4,299.86	10	4,033.42	10	3,754.16	10	3,463.16	10	3,118.34	10	2,756.80	10	2,395.20
1/4	1/4	1/4	1/4	1/4	4,553.64	1/4	4,294.46	1/4	4,027.73	1/4	3,748.21	1/4	3,457.02	1/4	3,110.81	1/4	2,749.27	1/4	2,387.67
1/2	1/2	1/2	1/2	1/2	4,547.50	1/2	4,289.05	1/2	4,022.03	1/2	3,742.27	1/2	3,450.88	1/2	3,103.28	1/2	2,741.73	1/2	2,380.13
3/4	3/4	3/4	3/4	3/4	4,541.36	3/4	4,283.62	3/4	4,016.32	3/4	3,736.31	3/4	3,444.60	3/4	3,095.75	3/4	2,734.20	3/4	2,372.60
11		11		11	4,535.22	11	4,278.19	11	4,010.61	11	3,730.35	11	3,438.32	11	3,088.22	11	2,726.67	11	2,365.07
1/4	1/4	1/4	1/4	1/4	4,529.08	1/4	4,272.76	1/4	4,004.89	1/4	3,724.39	1/4	3,432.04	1/4	3,080.69	1/4	2,719.13	1/4	2,357.53
1/2	1/2	1/2	1/2	1/2	4,522.94	1/2	4,267.34	1/2	3,999.18	1/2	3,718.42	1/2	3,425.77	1/2	3,073.15	1/2	2,711.60	1/2	2,350.00
3/4	3/4	3/4	3/4	3/4	4,517.70	3/4	4,261.89	3/4	3,993.45	3/4	3,712.44	3/4	3,419.21	3/4	3,065.62	3/4	2,704.07	3/4	2,342.47

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

<http://www.pmacorp.net>



# BARGE "KIRBY 28054"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,334.93	0	1,973.34	0	1,611.74	0	1,250.14	0	889.29	0	527.76	0	166.17	0		0		0	
1/4	2,327.40	1/4	1,965.80	1/4	1,604.20	1/4	1,242.61	1/4	881.78	1/4	520.22	1/4	158.64	1/4	1/4	1/4		1/4	1/4
1/2	2,319.87	1/2	1,958.27	1/2	1,596.67	1/2	1,235.07	1/2	874.27	1/2	512.69	1/2	151.11	1/2	1/2	1/2		1/2	1/2
3/4	2,312.33	3/4	1,950.74	3/4	1,589.14	3/4	1,227.54	3/4	866.74	3/4	505.16	3/4	143.57	3/4	3/4	3/4		3/4	3/4
1	2,304.80	1	1,943.20	1	1,581.60	1	1,220.01	1	859.21	1	497.62	1	136.04	1		1		1	
1/4	2,297.27	1/4	1,935.67	1/4	1,574.07	1/4	1,212.47	1/4	851.68	1/4	490.09	1/4	128.51	1/4	1/4	1/4		1/4	1/4
1/2	2,289.73	1/2	1,928.14	1/2	1,566.54	1/2	1,204.94	1/2	844.14	1/2	482.56	1/2	120.97	1/2	1/2	1/2		1/2	1/2
3/4	2,282.20	3/4	1,920.60	3/4	1,559.00	3/4	1,197.41	3/4	836.61	3/4	475.03	3/4	113.44	3/4	3/4	3/4		3/4	3/4
2	2,274.67	2	1,913.07	2	1,551.47	2	1,189.87	2	829.08	2	467.49	2	105.91	2		2		2	
1/4	2,267.13	1/4	1,905.54	1/4	1,543.94	1/4	1,182.34	1/4	821.54	1/4	459.96	1/4	98.38	1/4	1/4	1/4		1/4	1/4
1/2	2,259.60	1/2	1,898.00	1/2	1,536.40	1/2	1,174.81	1/2	814.01	1/2	452.43	1/2	90.84	1/2	1/2	1/2		1/2	1/2
3/4	2,252.07	3/4	1,890.47	3/4	1,528.87	3/4	1,167.27	3/4	806.48	3/4	444.89	3/4	83.31	3/4	3/4	3/4		3/4	3/4
3	2,244.54	3	1,882.94	3	1,521.34	3	1,159.74	3	798.94	3	437.36	3	75.78	3		3		3	
1/4	2,237.00	1/4	1,875.40	1/4	1,513.80	1/4	1,152.21	1/4	791.41	1/4	429.83	1/4	68.24	1/4	1/4	1/4		1/4	1/4
1/2	2,229.47	1/2	1,867.87	1/2	1,506.27	1/2	1,144.67	1/2	783.88	1/2	422.29	1/2	60.71	1/2	1/2	1/2		1/2	1/2
3/4	2,221.94	3/4	1,860.34	3/4	1,498.74	3/4	1,137.14	3/4	776.35	3/4	414.76	3/4	54.12	3/4	3/4	3/4		3/4	3/4
4	2,214.40	4	1,852.80	4	1,491.21	4	1,129.61	4	768.81	4	407.23	4	47.53	4		4		4	
1/4	2,206.87	1/4	1,845.27	1/4	1,483.67	1/4	1,122.07	1/4	761.28	1/4	399.70	1/4	40.93	1/4	1/4	1/4		1/4	1/4
1/2	2,199.34	1/2	1,837.74	1/2	1,476.14	1/2	1,114.54	1/2	753.75	1/2	392.16	1/2	34.34	1/2	1/2	1/2		1/2	1/2
3/4	2,191.80	3/4	1,830.20	3/4	1,468.61	3/4	1,107.03	3/4	746.21	3/4	384.63	3/4	29.63	3/4	3/4	3/4		3/4	3/4
5	2,184.27	5	1,822.67	5	1,461.07	5	1,099.52	5	738.68	5	377.10	5	24.93	5		5		5	
1/4	2,176.74	1/4	1,815.14	1/4	1,453.54	1/4	1,092.02	1/4	731.15	1/4	369.56	1/4	20.22	1/4	1/4	1/4		1/4	1/4
1/2	2,169.20	1/2	1,807.60	1/2	1,446.01	1/2	1,084.51	1/2	723.61	1/2	362.03	1/2	15.51	1/2	1/2	1/2		1/2	1/2
3/4	2,161.67	3/4	1,800.07	3/4	1,438.47	3/4	1,077.00	3/4	716.08	3/4	354.50	3/4		3/4	3/4	3/4		3/4	3/4
6	2,154.14	6	1,792.54	6	1,430.94	6	1,069.49	6	708.55	6	346.96	6		6		6		6	
1/4	2,146.60	1/4	1,785.00	1/4	1,423.41	1/4	1,061.98	1/4	701.02	1/4	339.43	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,139.07	1/2	1,777.47	1/2	1,415.87	1/2	1,054.47	1/2	693.48	1/2	331.90	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,131.54	3/4	1,769.94	3/4	1,408.34	3/4	1,046.97	3/4	685.95	3/4	324.37	3/4		3/4	3/4	3/4		3/4	3/4
7	2,124.00	7	1,762.40	7	1,400.81	7	1,039.46	7	678.42	7	316.83	7		7		7		7	
1/4	2,116.47	1/4	1,754.87	1/4	1,393.27	1/4	1,031.95	1/4	670.88	1/4	309.30	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,108.94	1/2	1,747.34	1/2	1,385.74	1/2	1,024.44	1/2	663.35	1/2	301.77	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,101.40	3/4	1,739.80	3/4	1,378.21	3/4	1,016.93	3/4	655.82	3/4	294.23	3/4		3/4	3/4	3/4		3/4	3/4
8	2,093.87	8	1,732.27	8	1,370.67	8	1,009.42	8	648.28	8	286.70	8		8		8		8	
1/4	2,086.34	1/4	1,724.74	1/4	1,363.14	1/4	1,001.92	1/4	640.75	1/4	279.17	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,078.80	1/2	1,717.20	1/2	1,355.61	1/2	994.41	1/2	633.22	1/2	271.63	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,071.27	3/4	1,709.67	3/4	1,348.07	3/4	986.90	3/4	625.69	3/4	264.10	3/4		3/4	3/4	3/4		3/4	3/4
9	2,063.74	9	1,702.14	9	1,340.54	9	979.39	9	618.15	9	256.57	9		9		9		9	
1/4	2,056.20	1/4	1,694.60	1/4	1,333.01	1/4	971.88	1/4	610.62	1/4	249.04	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,048.67	1/2	1,687.07	1/2	1,325.47	1/2	964.37	1/2	603.09	1/2	241.50	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,041.14	3/4	1,679.54	3/4	1,317.94	3/4	956.87	3/4	595.55	3/4	233.97	3/4		3/4	3/4	3/4		3/4	3/4
10	2,033.60	10	1,672.00	10	1,310.41	10	949.36	10	588.02	10	226.44	10		10		10		10	
1/4	2,026.07	1/4	1,664.47	1/4	1,302.87	1/4	941.85	1/4	580.49	1/4	218.90	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,018.54	1/2	1,656.94	1/2	1,295.34	1/2	934.34	1/2	572.95	1/2	211.37	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,011.00	3/4	1,649.40	3/4	1,287.81	3/4	926.83	3/4	565.42	3/4	203.84	3/4		3/4	3/4	3/4		3/4	3/4
11	2,003.47	11	1,641.87	11	1,280.27	11	919.32	11	557.89	11	196.30	11		11		11		11	
1/4	1,995.94	1/4	1,634.34	1/4	1,272.74	1/4	911.82	1/4	550.36	1/4	188.77	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,988.40	1/2	1,626.80	1/2	1,265.21	1/2	904.31	1/2	542.82	1/2	181.24	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,980.87	3/4	1,619.27	3/4	1,257.67	3/4	896.80	3/4	535.29	3/4	173.71	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2007 CL - SW  
CALCULATED: 07/17/2007 CL  
PRINTED: 07/17/2007 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2007

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 28054"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,489.78	0	4,233.76	0	3,965.03	0	3,683.77	0	3,389.97	0	3,035.88	0	2,675.00		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,484.54	1/4	4,228.31	1/4	3,959.30	1/4	3,677.78	1/4	3,383.41	1/4	3,028.37	1/4	2,667.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,479.30	1/2	4,222.86	1/2	3,953.56	1/2	3,671.79	1/2	3,376.85	1/2	3,020.85	1/2	2,659.97		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,474.05	3/4	4,217.40	3/4	3,947.81	3/4	3,665.79	3/4	3,370.02	3/4	3,013.33	3/4	2,652.45		
1		1		1		1	4,468.79	1	4,211.93	1	3,942.05	1	3,659.78	1	3,363.18	1	3,005.81	1	2,644.93		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,463.53	1/4	4,206.46	1/4	3,936.29	1/4	3,653.78	1/4	3,356.35	1/4	2,998.30	1/4	2,637.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,458.28	1/2	4,201.00	1/2	3,930.54	1/2	3,647.77	1/2	3,349.51	1/2	2,990.78	1/2	2,629.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,453.00	3/4	4,195.51	3/4	3,924.76	3/4	3,641.74	3/4	3,342.40	3/4	2,983.26	3/4	2,622.37		
2		2		2		2	4,447.73	2	4,190.02	2	3,918.99	2	3,635.71	2	3,335.28	2	2,975.74	2	2,614.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,442.45	1/4	4,184.53	1/4	3,913.21	1/4	3,629.68	1/4	3,328.17	1/4	2,968.22	1/4	2,607.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,437.18	1/2	4,179.04	1/2	3,907.43	1/2	3,623.65	1/2	3,321.06	1/2	2,960.71	1/2	2,599.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,431.88	3/4	4,173.53	3/4	3,901.64	3/4	3,617.60	3/4	3,313.66	3/4	2,953.19	3/4	2,592.29		
3		3		3		3	4,426.58	3	4,168.02	3	3,895.84	3	3,611.55	3	3,306.27	3	2,945.67	3	2,584.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,421.28	1/4	4,162.51	1/4	3,890.05	1/4	3,605.50	1/4	3,298.88	1/4	2,938.15	1/4	2,577.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,415.98	1/2	4,157.00	1/2	3,884.26	1/2	3,599.46	1/2	3,291.49	1/2	2,930.63	1/2	2,569.74		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,410.70	3/4	4,151.44	3/4	3,878.44	3/4	3,593.39	3/4	3,283.98	3/4	2,923.12	3/4	2,562.22		
4		4		4		4	4,405.42	4	4,145.87	4	3,872.62	4	3,587.32	4	3,276.46	4	2,915.60	4	2,554.70		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,400.14	1/4	4,140.31	1/4	3,866.80	1/4	3,581.26	1/4	3,268.94	1/4	2,908.08	1/4	2,547.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,394.86	1/2	4,134.74	1/2	3,860.98	1/2	3,575.19	1/2	3,261.42	1/2	2,900.56	1/2	2,539.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,389.56	3/4	4,129.15	3/4	3,855.14	3/4	3,569.10	3/4	3,253.90	3/4	2,893.04	3/4	2,532.14		
5		5		5		5	4,384.26	5	4,123.56	5	3,849.31	5	3,563.00	5	3,246.39	5	2,885.53	5	2,524.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,378.96	1/4	4,117.97	1/4	3,843.47	1/4	3,556.91	1/4	3,238.87	1/4	2,878.01	1/4	2,517.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,373.66	1/2	4,112.39	1/2	3,837.63	1/2	3,550.82	1/2	3,231.35	1/2	2,870.49	1/2	2,509.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,368.33	3/4	4,106.78	3/4	3,831.77	3/4	3,544.71	3/4	3,223.83	3/4	2,862.97	3/4	2,502.06		
6		6		6		6	4,363.01	6	4,101.17	6	3,825.90	6	3,538.60	6	3,216.31	6	2,855.46	6	2,494.55		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,357.69	1/4	4,095.56	1/4	3,820.04	1/4	3,532.49	1/4	3,208.80	1/4	2,847.94	1/4	2,487.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,352.36	1/2	4,089.95	1/2	3,814.18	1/2	3,526.38	1/2	3,201.28	1/2	2,840.42	1/2	2,479.51		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,347.02	3/4	4,084.32	3/4	3,808.30	3/4	3,520.25	3/4	3,193.76	3/4	2,832.90	3/4	2,471.99		
7		7		7	4,607.71	7	4,341.68	7	4,078.68	7	3,802.42	7	3,514.12	7	3,186.24	7	2,825.38	7	2,464.48		
1/4	1/4	1/4	1/4	1/4	4,603.10	1/4	4,336.33	1/4	4,073.05	1/4	3,796.54	1/4	3,507.99	1/4	3,178.73	1/4	2,817.87	1/4	2,456.96		
1/2	1/2	1/2	1/2	1/2	4,598.50	1/2	4,330.99	1/2	4,067.42	1/2	3,790.66	1/2	3,501.86	1/2	3,171.21	1/2	2,810.35	1/2	2,449.45		
3/4	3/4	3/4	3/4	3/4	4,592.36	3/4	4,325.62	3/4	4,061.76	3/4	3,784.76	3/4	3,495.72	3/4	3,163.69	3/4	2,802.83	3/4	2,441.93		
8		8		8	4,586.21	8	4,320.26	8	4,056.11	8	3,778.86	8	3,489.58	8	3,156.17	8	2,795.31	8	2,434.41		
1/4	1/4	1/4	1/4	1/4	4,580.07	1/4	4,314.89	1/4	4,050.46	1/4	3,772.96	1/4	3,483.44	1/4	3,148.65	1/4	2,787.79	1/4	2,426.90		
1/2	1/2	1/2	1/2	1/2	4,573.93	1/2	4,309.52	1/2	4,044.81	1/2	3,767.06	1/2	3,477.30	1/2	3,141.14	1/2	2,780.27	1/2	2,419.38		
3/4	3/4	3/4	3/4	3/4	4,567.79	3/4	4,304.14	3/4	4,039.14	3/4	3,761.13	3/4	3,471.17	3/4	3,133.62	3/4	2,772.75	3/4	2,411.87		
9		9		9	4,561.65	9	4,298.75	9	4,033.47	9	3,755.21	9	3,465.03	9	3,126.10	9	2,765.23	9	2,404.35		
1/4	1/4	1/4	1/4	1/4	4,555.51	1/4	4,293.37	1/4	4,027.80	1/4	3,749.28	1/4	3,458.89	1/4	3,118.58	1/4	2,757.71	1/4	2,396.84		
1/2	1/2	1/2	1/2	1/2	4,549.37	1/2	4,287.98	1/2	4,022.13	1/2	3,743.36	1/2	3,452.75	1/2	3,111.06	1/2	2,750.20	1/2	2,389.32		
3/4	3/4	3/4	3/4	3/4	4,543.23	3/4	4,282.58	3/4	4,016.43	3/4	3,737.41	3/4	3,446.61	3/4	3,103.55	3/4	2,742.68	3/4	2,381.81		
10		10		10	4,537.09	10	4,277.17	10	4,010.74	10	3,731.47	10	3,440.47	10	3,096.03	10	2,735.16	10	2,374.29		
1/4	1/4	1/4	1/4	1/4	4,530.95	1/4	4,271.77	1/4	4,005.04	1/4	3,725.53	1/4	3,434.33	1/4	3,088.51	1/4	2,727.64	1/4	2,366.78		
1/2	1/2	1/2	1/2	1/2	4,524.81	1/2	4,266.37	1/2	3,999.35	1/2	3,719.59	1/2	3,428.19	1/2	3,080.99	1/2	2,720.12	1/2	2,359.26		
3/4	3/4	3/4	3/4	3/4	4,518.67	3/4	4,260.94	3/4	3,993.63	3/4	3,713.62	3/4	3,421.92	3/4	3,073.47	3/4	2,712.60	3/4	2,351.74		
11		11		11	4,512.53	11	4,255.51	11	3,987.92	11	3,707.66	11	3,415.64	11	3,065.96	11	2,705.08	11	2,344.23		
1/4	1/4	1/4	1/4	1/4	4,506.39	1/4	4,250.08	1/4	3,982.21	1/4	3,701.70	1/4	3,409.36	1/4	3,058.44	1/4	2,697.56	1/4	2,336.71		
1/2	1/2	1/2	1/2	1/2	4,500.25	1/2	4,244.65	1/2	3,976.49	1/2	3,695.74	1/2	3,403.08	1/2	3,050.92	1/2	2,690.04	1/2	2,329.20		
3/4	3/4	3/4	3/4	3/4	4,495.02	3/4	4,239.20	3/4	3,970.76	3/4	3,689.75	3/4	3,396.52	3/4	3,043.40	3/4	2,682.52	3/4	2,321.68		

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

<http://www.pmacorp.net>



# BARGE "KIRBY 28054"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,314.17	0	1,954.40	0	1,595.42	0	1,234.46	0	880.00	0	526.69	0	166.16	0		0		0	
1/4	2,306.65	1/4	1,946.95	1/4	1,587.90	1/4	1,226.94	1/4	872.62	1/4	519.31	1/4	158.63	1/4	1/4		1/4	1/4	1/4
1/2	2,299.14	1/2	1,939.50	1/2	1,580.38	1/2	1,219.42	1/2	865.24	1/2	511.93	1/2	151.10	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,291.62	3/4	1,932.04	3/4	1,572.86	3/4	1,212.04	3/4	857.86	3/4	504.47	3/4	143.56	3/4	3/4	3/4	3/4	3/4	3/4
1	2,284.10	1	1,924.59	1	1,565.34	1	1,204.65	1	850.48	1	497.02	1	136.03	1		1		1	
1/4	2,276.58	1/4	1,917.13	1/4	1,557.82	1/4	1,197.27	1/4	843.10	1/4	489.57	1/4	128.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,269.06	1/2	1,909.68	1/2	1,550.30	1/2	1,189.89	1/2	835.71	1/2	482.12	1/2	120.97	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,261.54	3/4	1,902.23	3/4	1,542.78	3/4	1,182.51	3/4	828.33	3/4	474.59	3/4	113.43	3/4	3/4	3/4	3/4	3/4	3/4
2	2,254.02	2	1,894.77	2	1,535.26	2	1,175.12	2	820.95	2	467.07	2	105.90	2		2		2	
1/4	2,246.50	1/4	1,887.32	1/4	1,527.74	1/4	1,167.74	1/4	813.57	1/4	459.55	1/4	98.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,238.98	1/2	1,879.86	1/2	1,520.22	1/2	1,160.36	1/2	806.19	1/2	452.03	1/2	90.84	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,231.46	3/4	1,872.41	3/4	1,512.70	3/4	1,152.97	3/4	798.83	3/4	444.51	3/4	83.30	3/4	3/4	3/4	3/4	3/4	3/4
3	2,223.94	3	1,864.96	3	1,505.18	3	1,145.59	3	791.47	3	436.99	3	75.77	3		3		3	
1/4	2,216.42	1/4	1,857.50	1/4	1,497.66	1/4	1,138.21	1/4	784.10	1/4	429.47	1/4	68.24	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,208.90	1/2	1,850.05	1/2	1,490.14	1/2	1,130.82	1/2	776.74	1/2	421.95	1/2	60.71	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,201.38	3/4	1,842.59	3/4	1,482.62	3/4	1,123.44	3/4	769.39	3/4	414.43	3/4	54.11	3/4	3/4	3/4	3/4	3/4	3/4
4	2,193.86	4	1,835.14	4	1,475.10	4	1,116.06	4	762.04	4	406.91	4	47.52	4		4		4	
1/4	2,186.34	1/4	1,827.68	1/4	1,467.58	1/4	1,108.67	1/4	754.69	1/4	399.38	1/4	40.93	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,178.82	1/2	1,820.23	1/2	1,460.06	1/2	1,101.29	1/2	747.34	1/2	391.86	1/2	34.34	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,171.30	3/4	1,812.78	3/4	1,452.54	3/4	1,093.91	3/4	739.99	3/4	384.34	3/4	29.63	3/4	3/4	3/4	3/4	3/4	3/4
5	2,163.78	5	1,805.32	5	1,445.02	5	1,086.54	5	732.64	5	376.82	5	24.92	5		5		5	
1/4	2,156.26	1/4	1,797.87	1/4	1,437.50	1/4	1,079.16	1/4	725.29	1/4	369.30	1/4	20.22	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,148.74	1/2	1,790.41	1/2	1,429.98	1/2	1,071.78	1/2	717.94	1/2	361.78	1/2	15.51	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,141.22	3/4	1,782.96	3/4	1,422.46	3/4	1,064.41	3/4	710.59	3/4	354.26	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,133.70	6	1,775.51	6	1,414.94	6	1,057.03	6	703.24	6	346.74	6		6		6		6	
1/4	2,126.18	1/4	1,768.05	1/4	1,407.42	1/4	1,049.65	1/4	695.89	1/4	339.22	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,118.66	1/2	1,760.60	1/2	1,399.90	1/2	1,042.28	1/2	688.53	1/2	331.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,111.14	3/4	1,753.14	3/4	1,392.38	3/4	1,034.90	3/4	681.18	3/4	324.17	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,103.62	7	1,745.69	7	1,384.86	7	1,027.52	7	673.83	7	316.65	7		7		7		7	
1/4	2,096.10	1/4	1,738.24	1/4	1,377.34	1/4	1,020.15	1/4	666.48	1/4	309.13	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,088.58	1/2	1,730.78	1/2	1,369.82	1/2	1,012.77	1/2	659.13	1/2	301.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,081.12	3/4	1,723.26	3/4	1,362.30	3/4	1,005.40	3/4	651.78	3/4	294.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,073.67	8	1,715.74	8	1,354.78	8	998.02	8	644.42	8	286.57	8		8		8		8	
1/4	2,066.22	1/4	1,708.22	1/4	1,347.26	1/4	990.64	1/4	637.07	1/4	279.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,058.76	1/2	1,700.70	1/2	1,339.74	1/2	983.27	1/2	629.72	1/2	271.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,051.31	3/4	1,693.18	3/4	1,332.22	3/4	975.89	3/4	622.37	3/4	264.01	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,043.85	9	1,685.66	9	1,324.70	9	968.51	9	615.02	9	256.49	9		9		9		9	
1/4	2,036.40	1/4	1,678.14	1/4	1,317.18	1/4	961.14	1/4	607.67	1/4	248.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,028.95	1/2	1,670.62	1/2	1,309.66	1/2	953.76	1/2	600.31	1/2	241.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,021.49	3/4	1,663.10	3/4	1,302.14	3/4	946.38	3/4	592.96	3/4	233.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,014.04	10	1,655.58	10	1,294.62	10	939.01	10	585.61	10	226.40	10		10		10		10	
1/4	2,006.58	1/4	1,648.06	1/4	1,287.10	1/4	931.63	1/4	578.26	1/4	218.88	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,999.13	1/2	1,640.54	1/2	1,279.58	1/2	924.26	1/2	570.91	1/2	211.36	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,991.68	3/4	1,633.02	3/4	1,272.06	3/4	916.88	3/4	563.54	3/4	203.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,984.22	11	1,625.50	11	1,264.54	11	909.50	11	556.18	11	196.29	11		11		11		11	
1/4	1,976.77	1/4	1,617.98	1/4	1,257.02	1/4	902.13	1/4	548.81	1/4	188.76	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,969.31	1/2	1,610.46	1/2	1,249.50	1/2	894.75	1/2	541.45	1/2	181.23	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,961.86	3/4	1,602.94	3/4	1,241.98	3/4	887.37	3/4	534.07	3/4	173.70	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2007 CL - SW  
CALCULATED: 07/17/2007 CL  
PRINTED: 07/17/2007 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2007

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