



BARGE "KIRBY 28105"

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	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4
1 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4
2 PORT	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-7/8	- 01-7/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4
2 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4
3 PORT	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8
3 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8

(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 - 00-7/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/8"

LENGTH BETWEEN DRAFT MARKS: 241'-09"

June 12, 2009

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



BARGE "KIRBY 28105"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	4,835.27	0	4,508.47	0	4,174.57	0	3,817.09	0	3,450.42	0	3,083.75	0	2,717.08	0
1/4	1/4	1/4	1/4	1/4	1/4	4,829.62	1/4	4,501.78	1/4	4,167.35	1/4	3,809.46	1/4	3,442.78	1/4	3,076.11	1/4	2,709.44	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,822.78	1/2	4,495.05	1/2	4,160.09	1/2	3,801.82	1/2	3,435.15	1/2	3,068.47	1/2	2,701.80	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,815.95	3/4	4,488.32	3/4	4,152.83	3/4	3,794.18	3/4	3,427.51	3/4	3,060.83	3/4	2,694.16	3/4
1	1	1	1	1	1	4,809.11	1	4,481.59	1	4,145.57	1	3,786.54	1	3,419.87	1	3,053.20	1	2,686.52	1
1/4	1/4	1/4	1/4	1/4	1/4	4,802.27	1/4	4,474.86	1/4	4,138.31	1/4	3,778.90	1/4	3,412.23	1/4	3,045.56	1/4	2,678.88	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,794.80	1/2	4,468.10	1/2	4,131.01	1/2	3,771.26	1/2	3,404.59	1/2	3,037.92	1/2	2,671.25	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,787.32	3/4	4,461.34	3/4	4,123.71	3/4	3,763.62	3/4	3,396.95	3/4	3,030.28	3/4	2,663.61	3/4
2	2	2	2	2	2	4,779.85	2	4,454.57	2	4,116.41	2	3,755.98	2	3,389.31	2	3,022.64	2	2,655.97	2
1/4	1/4	1/4	1/4	1/4	1/4	4,772.37	1/4	4,447.81	1/4	4,109.12	1/4	3,748.34	1/4	3,381.67	1/4	3,015.00	1/4	2,648.33	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,764.82	1/2	4,441.01	1/2	4,101.79	1/2	3,740.71	1/2	3,374.03	1/2	3,007.36	1/2	2,640.69	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,757.26	3/4	4,434.21	3/4	4,094.45	3/4	3,733.07	3/4	3,366.39	3/4	2,999.72	3/4	2,633.05	3/4
3	3	3	3	3	3	4,749.71	3	4,427.41	3	4,087.12	3	3,725.43	3	3,358.76	3	2,992.08	3	2,625.41	3
1/4	1/4	1/4	1/4	1/4	1/4	4,742.16	1/4	4,420.61	1/4	4,079.79	1/4	3,717.79	1/4	3,351.12	1/4	2,984.44	1/4	2,617.77	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,734.88	1/2	4,413.77	1/2	4,072.42	1/2	3,710.15	1/2	3,343.48	1/2	2,976.81	1/2	2,610.13	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,727.61	3/4	4,406.93	3/4	4,065.06	3/4	3,702.51	3/4	3,335.84	3/4	2,969.17	3/4	2,602.49	3/4
4	4	4	4	4	4	4,720.33	4	4,400.09	4	4,057.69	4	3,694.87	4	3,328.20	4	2,961.53	4	2,594.86	4
1/4	1/4	1/4	1/4	1/4	1/4	4,713.06	1/4	4,393.25	1/4	4,050.33	1/4	3,687.23	1/4	3,320.56	1/4	2,953.89	1/4	2,587.22	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,706.33	1/2	4,386.38	1/2	4,042.93	1/2	3,679.59	1/2	3,312.92	1/2	2,946.25	1/2	2,579.58	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,699.61	3/4	4,379.50	3/4	4,035.53	3/4	3,671.95	3/4	3,305.28	3/4	2,938.61	3/4	2,571.94	3/4
5	5	5	5	5	5	4,692.88	5	4,372.63	5	4,028.13	5	3,664.32	5	3,297.64	5	2,930.97	5	2,564.30	5
1/4	1/4	1/4	1/4	1/4	1/4	4,686.16	1/4	4,365.75	1/4	4,020.73	1/4	3,656.68	1/4	3,290.00	1/4	2,923.33	1/4	2,556.66	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,679.69	1/2	4,358.84	1/2	4,013.29	1/2	3,649.04	1/2	3,282.37	1/2	2,915.69	1/2	2,549.02	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,673.21	3/4	4,351.92	3/4	4,005.85	3/4	3,641.40	3/4	3,274.73	3/4	2,908.05	3/4	2,541.38	3/4
6	6	6	6	6	6	4,666.74	6	4,345.01	6	3,998.41	6	3,633.76	6	3,267.09	6	2,900.42	6	2,533.74	6
1/4	1/4	1/4	1/4	1/4	1/4	4,660.27	1/4	4,338.10	1/4	3,990.97	1/4	3,626.12	1/4	3,259.45	1/4	2,892.78	1/4	2,526.10	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,653.76	1/2	4,331.13	1/2	3,983.50	1/2	3,618.48	1/2	3,251.81	1/2	2,885.14	1/2	2,518.47	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,647.24	3/4	4,324.15	3/4	3,976.02	3/4	3,610.84	3/4	3,244.17	3/4	2,877.50	3/4	2,510.83	3/4
7	7	7	7	7	7	4,640.73	7	4,317.18	7	3,968.55	7	3,603.20	7	3,236.53	7	2,869.86	7	2,503.19	7
1/4	1/4	1/4	1/4	1/4	1/4	4,634.22	1/4	4,310.21	1/4	3,961.07	1/4	3,595.56	1/4	3,228.89	1/4	2,862.22	1/4	2,495.55	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,627.68	1/2	4,303.16	1/2	3,953.56	1/2	3,587.93	1/2	3,221.25	1/2	2,854.58	1/2	2,487.91	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,621.13	3/4	4,296.11	3/4	3,946.05	3/4	3,580.29	3/4	3,213.61	3/4	2,846.94	3/4	2,480.27	3/4
8	8	8	8	8	8	4,614.58	8	4,289.06	8	3,938.54	8	3,572.65	8	3,205.98	8	2,839.30	8	2,472.63	8
1/4	1/4	1/4	1/4	1/4	1/4	4,608.03	1/4	4,282.00	1/4	3,931.02	1/4	3,565.01	1/4	3,198.34	1/4	2,831.66	1/4	2,464.99	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,601.45	1/2	4,274.89	1/2	3,923.47	1/2	3,557.37	1/2	3,190.70	1/2	2,824.03	1/2	2,457.35	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,594.86	3/4	4,267.78	3/4	3,915.92	3/4	3,549.73	3/4	3,183.06	3/4	2,816.39	3/4	2,449.71	3/4
9	9	9	9	9	9	4,588.28	9	4,260.67	9	3,908.37	9	3,542.09	9	3,175.42	9	2,808.75	9	2,442.08	9
1/4	1/4	1/4	1/4	1/4	1/4	4,581.69	1/4	4,253.56	1/4	3,900.82	1/4	3,534.45	1/4	3,167.78	1/4	2,801.11	1/4	2,434.44	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,575.07	1/2	4,246.42	1/2	3,893.24	1/2	3,526.81	1/2	3,160.14	1/2	2,793.47	1/2	2,426.80	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,568.44	3/4	4,239.27	3/4	3,885.65	3/4	3,519.17	3/4	3,152.50	3/4	2,785.83	3/4	2,419.16	3/4
10	10	10	10	10	10	4,561.82	10	4,232.12	10	3,878.06	10	3,511.54	10	3,144.86	10	2,778.19	10	2,411.52	10
1/4	1/4	1/4	1/4	1/4	1/4	4,555.20	1/4	4,224.97	1/4	3,870.47	1/4	3,503.90	1/4	3,137.22	1/4	2,770.55	1/4	2,403.88	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,548.54	1/2	4,217.79	1/2	3,862.86	1/2	3,496.26	1/2	3,129.59	1/2	2,762.91	1/2	2,396.24	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,541.88	3/4	4,210.60	3/4	3,855.24	3/4	3,488.62	3/4	3,121.95	3/4	2,755.27	3/4	2,388.60	3/4
11	11	11	11	11	11	4,535.22	11	4,203.42	11	3,847.62	11	3,480.98	11	3,114.31	11	2,747.64	11	2,380.96	11
1/4	1/4	1/4	1/4	1/4	1/4	4,528.56	1/4	4,196.23	1/4	3,840.00	1/4	3,473.34	1/4	3,106.67	1/4	2,740.00	1/4	2,373.32	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,521.86	1/2	4,189.01	1/2	3,832.36	1/2	3,465.70	1/2	3,099.03	1/2	2,732.36	1/2	2,365.69	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,515.17	3/4	4,181.79	3/4	3,824.73	3/4	3,458.06	3/4	3,091.39	3/4	2,724.72	3/4	2,358.05	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IPMS 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 53'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 28105"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	2,350.41	1,983.74	1,617.05	1,251.02	886.56	520.14	174.99	0	0	0	0	0	0	0	0	0	0	0	0
1/2	2,342.77	1,976.10	1,609.41	1,243.38	878.98	512.50	168.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/4	2,335.13	1,968.46	1,601.78	1,235.74	871.38	504.88	161.67	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
1	2,327.49	1,960.82	1,594.14	1,228.10	863.78	497.26	155.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1 1/4	2,319.85	1,953.18	1,586.50	1,220.46	856.18	489.64	148.43	1	1	1	1	1	1	1	1	1	1	1	1
1 1/2	2,312.21	1,945.54	1,578.86	1,212.82	848.59	482.02	141.82	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 3/4	2,304.57	1,937.90	1,571.22	1,205.20	840.96	474.47	135.29	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
2	2,296.93	1,930.27	1,563.58	1,197.57	833.34	466.91	128.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2 1/4	2,289.30	1,922.63	1,555.94	1,189.95	825.71	459.36	122.24	2	2	2	2	2	2	2	2	2	2	2	2
2 1/2	2,281.66	1,914.99	1,548.30	1,182.32	818.09	451.80	115.71	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
2 3/4	2,274.02	1,907.35	1,540.66	1,174.72	810.45	444.33	109.28	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3	2,266.38	1,899.71	1,533.02	1,167.13	802.81	436.86	102.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3 1/4	2,258.74	1,892.07	1,525.38	1,159.53	795.17	429.39	96.42	3	3	3	3	3	3	3	3	3	3	3	3
3 1/2	2,251.10	1,884.43	1,517.74	1,151.93	787.53	421.92	89.99	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
3 3/4	2,243.46	1,876.79	1,510.10	1,144.35	779.89	414.54	83.57	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
4	2,235.82	1,869.15	1,502.46	1,136.76	772.25	407.15	77.35	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4 1/4	2,228.18	1,861.51	1,494.82	1,129.18	764.61	399.77	71.02	4	4	4	4	4	4	4	4	4	4	4	4
4 1/2	2,220.54	1,853.87	1,487.19	1,121.59	756.97	392.38	64.70	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
4 3/4	2,212.91	1,846.23	1,479.56	1,114.01	749.33	385.08	58.49	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
5	2,205.27	1,838.59	1,471.93	1,106.43	741.69	377.78	52.29	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5 1/4	2,197.63	1,830.95	1,464.31	1,098.85	734.05	370.48	46.08	5	5	5	5	5	5	5	5	5	5	5	5
5 1/2	2,189.99	1,823.31	1,456.68	1,091.27	726.41	363.18	39.88	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
5 3/4	2,182.35	1,815.68	1,449.07	1,083.69	718.77	355.97	34.37	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
6	2,174.71	1,808.04	1,441.46	1,076.11	711.13	348.75	28.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6 1/4	2,167.07	1,800.40	1,433.85	1,068.52	703.49	341.53	23.35	6	6	6	6	6	6	6	6	6	6	6	6
6 1/2	2,159.43	1,792.76	1,426.24	1,060.94	695.85	334.32	17.84	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
6 3/4	2,151.79	1,785.12	1,418.63	1,053.36	688.22	327.19	14.28	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
7	2,144.15	1,777.48	1,411.01	1,045.78	680.58	320.06	10.72	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7 1/4	2,136.52	1,769.84	1,403.40	1,038.20	672.94	312.93	7.15	7	7	7	7	7	7	7	7	7	7	7	7
7 1/2	2,128.88	1,762.20	1,395.79	1,030.62	665.30	305.80	3.59	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
7 3/4	2,121.24	1,754.56	1,388.18	1,023.03	657.66	298.75	0	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
8	2,113.60	1,746.92	1,380.57	1,015.45	650.02	291.71	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8 1/4	2,105.96	1,739.28	1,372.95	1,007.87	642.38	284.66	0	8	8	8	8	8	8	8	8	8	8	8	8
8 1/2	2,098.32	1,731.64	1,365.34	1,000.29	634.74	277.62	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
8 3/4	2,090.68	1,724.00	1,357.73	992.71	627.10	270.66	0	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
9	2,083.04	1,716.36	1,350.12	985.13	619.46	263.70	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9 1/4	2,075.40	1,708.73	1,342.51	977.55	611.82	256.73	0	9	9	9	9	9	9	9	9	9	9	9	9
9 1/2	2,067.76	1,701.09	1,334.89	969.96	604.18	249.77	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
9 3/4	2,060.13	1,693.45	1,327.28	962.38	596.54	242.90	0	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
10	2,052.49	1,685.81	1,319.67	954.80	588.90	236.02	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10 1/4	2,044.85	1,678.17	1,312.06	947.22	581.26	229.15	0	10	10	10	10	10	10	10	10	10	10	10	10
10 1/2	2,037.21	1,670.53	1,304.45	939.64	573.62	222.27	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
10 3/4	2,029.57	1,662.89	1,296.82	932.06	565.98	215.48	0	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
11	2,021.93	1,655.25	1,289.19	924.48	558.34	208.69	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11 1/4	2,014.29	1,647.61	1,281.57	916.89	550.70	201.90	0	11	11	11	11	11	11	11	11	11	11	11	11
11 1/2	2,006.65	1,639.97	1,273.94	909.31	543.06	195.11	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
11 3/4	1,999.01	1,632.33	1,266.30	901.73	535.42	188.40	0	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
12	1,991.38	1,624.69	1,258.66	894.15	527.78	181.70	0	3/4	3/4	3/4	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: 06/11/2009 CL - SW
CALCULATED: 06/12/2009 CL
PRINTED: 06/12/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2009

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

The Jones



BARGE "KIRBY 28105"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13

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 53'-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 28105"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	1,983.24	0	1,616.91	0	1,251.22	0	885.92	0	519.64	0	174.82	0	0	0	0	0	0	0
1/4	1/4	1,975.61	1/4	1,609.27	1/4	1,243.59	1/4	878.31	1/4	512.00	1/4	168.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,967.98	1/2	1,601.64	1/2	1,235.96	1/2	870.69	1/2	504.39	1/2	161.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,960.35	3/4	1,594.01	3/4	1,228.32	3/4	863.07	3/4	496.78	3/4	154.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1,952.71	1	1,586.38	1	1,220.69	1	855.45	1	489.17	1	148.29	1	1	1	1	1	1	1
1/4	1/4	1,945.08	1/4	1,578.75	1/4	1,213.06	1/4	847.83	1/4	481.56	1/4	141.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,937.45	1/2	1,571.11	1/2	1,205.43	1/2	840.20	1/2	474.01	1/2	135.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,929.82	3/4	1,563.48	3/4	1,197.79	3/4	832.57	3/4	466.46	3/4	128.64	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	1,922.19	2	1,555.85	2	1,190.16	2	824.93	2	458.91	2	122.12	2	2	2	2	2	2	2
1/4	1/4	1,914.55	1/4	1,548.22	1/4	1,182.53	1/4	817.30	1/4	451.37	1/4	115.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,906.92	1/2	1,540.59	1/2	1,174.91	1/2	809.67	1/2	443.90	1/2	109.17	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,899.29	3/4	1,532.95	3/4	1,167.29	3/4	802.04	3/4	436.44	3/4	102.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	1,891.66	3	1,525.32	3	1,159.67	3	794.41	3	428.98	3	96.33	3	3	3	3	3	3	3
1/4	1/4	1,884.03	1/4	1,517.69	1/4	1,152.05	1/4	786.77	1/4	421.51	1/4	89.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,876.39	1/2	1,510.06	1/2	1,144.44	1/2	779.14	1/2	414.14	1/2	83.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,868.76	3/4	1,502.43	3/4	1,136.84	3/4	771.51	3/4	406.76	3/4	77.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	1,861.13	4	1,494.79	4	1,129.23	4	763.88	4	399.38	4	70.95	4	4	4	4	4	4	4
1/4	1/4	1,853.50	1/4	1,487.16	1/4	1,121.63	1/4	756.24	1/4	392.00	1/4	64.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,845.87	1/2	1,479.54	1/2	1,114.02	1/2	748.61	1/2	384.71	1/2	58.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,838.23	3/4	1,471.93	3/4	1,106.42	3/4	740.98	3/4	377.42	3/4	52.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	1,830.60	5	1,464.31	5	1,098.82	5	733.35	5	370.12	5	46.03	5	5	5	5	5	5	5
1/4	1/4	1,822.97	1/4	1,456.69	1/4	1,091.21	1/4	725.71	1/4	362.83	1/4	39.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,815.34	1/2	1,449.08	1/2	1,083.61	1/2	718.08	1/2	355.62	1/2	34.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,807.71	3/4	1,441.48	3/4	1,076.01	3/4	710.45	3/4	348.41	3/4	28.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	1,800.07	6	1,433.88	6	1,068.40	6	702.82	6	341.20	6	23.32	6	6	6	6	6	6	6
1/4	1/4	1,792.44	1/4	1,426.27	1/4	1,060.80	1/4	695.19	1/4	333.99	1/4	17.82	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,784.81	1/2	1,418.67	1/2	1,053.20	1/2	687.55	1/2	326.87	1/2	14.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,777.18	3/4	1,411.06	3/4	1,045.59	3/4	679.92	3/4	319.75	3/4	10.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	1,769.55	7	1,403.46	7	1,037.99	7	672.29	7	312.62	7	7.14	7	7	7	7	7	7	7
1/4	1/4	1,761.91	1/4	1,395.85	1/4	1,030.39	1/4	664.66	1/4	305.50	1/4	3.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,754.28	1/2	1,388.25	1/2	1,022.78	1/2	657.02	1/2	298.46	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,746.65	3/4	1,380.64	3/4	1,015.18	3/4	649.39	3/4	291.42	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	1,739.02	8	1,373.04	8	1,007.58	8	641.76	8	284.38	8	0	8	8	8	8	8	8	8
1/4	1/4	1,731.39	1/4	1,365.43	1/4	999.97	1/4	634.13	1/4	277.35	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,723.75	1/2	1,357.83	1/2	992.37	1/2	626.49	1/2	270.39	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,716.12	3/4	1,350.22	3/4	984.77	3/4	618.86	3/4	263.44	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	1,708.49	9	1,342.62	9	977.16	9	611.23	9	256.48	9	0	9	9	9	9	9	9	9
1/4	1/4	1,700.86	1/4	1,335.01	1/4	969.56	1/4	603.60	1/4	249.53	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,693.23	1/2	1,327.41	1/2	961.96	1/2	595.96	1/2	242.66	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,685.59	3/4	1,319.80	3/4	954.35	3/4	588.33	3/4	235.79	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	1,677.96	10	1,312.20	10	946.75	10	580.70	10	228.92	10	0	10	10	10	10	10	10	10
1/4	1/4	1,670.33	1/4	1,304.59	1/4	939.15	1/4	573.07	1/4	222.05	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,662.70	1/2	1,296.98	1/2	931.54	1/2	565.43	1/2	215.27	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,655.07	3/4	1,289.36	3/4	923.94	3/4	557.80	3/4	208.49	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	1,647.43	11	1,281.74	11	916.34	11	550.17	11	201.70	11	0	11	11	11	11	11	11	11
1/4	1/4	1,639.80	1/4	1,274.12	1/4	908.73	1/4	542.53	1/4	194.92	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,632.17	1/2	1,266.49	1/2	901.13	1/2	534.90	1/2	188.22	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,624.54	3/4	1,258.85	3/4	893.52	3/4	527.27	3/4	181.52	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2009 CL - SW
 CALCULATED: 06/12/2009 CL
 PRINTED: 06/12/2009 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2009

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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



BARGE "KIRBY 28105"

2 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4
12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2
12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13

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 52'-08" 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.pimacorp.net>



BARGE "KIRBY 28105"

2 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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
0	2,367.31	0	2,003.41	0	1,639.52	0	1,279.50	0	929.63	0	569.46	0	204.53	0		0			
1/4	2,359.72	1/4	1,995.83	1/4	1,631.93	1/4	1,271.91	1/4	922.37	1/4	560.88	1/4	196.95	1/4		1/4		1/4	
1/2	2,352.14	1/2	1,988.25	1/2	1,624.35	1/2	1,264.33	1/2	915.10	1/2	553.30	1/2	189.37	1/2		1/2		1/2	
3/4	2,344.56	3/4	1,980.67	3/4	1,616.77	3/4	1,256.75	3/4	907.83	3/4	545.72	3/4	181.79	3/4		3/4		3/4	
1	2,336.98	1	1,973.09	1	1,609.19	1	1,249.32	1	900.55	1	538.13	1	174.22	1		1		1	
1/4	2,329.40	1/4	1,965.51	1/4	1,601.61	1/4	1,241.89	1/4	893.27	1/4	530.55	1/4	166.65	1/4		1/4		1/4	
1/2	2,321.82	1/2	1,957.93	1/2	1,594.03	1/2	1,234.46	1/2	885.99	1/2	522.97	1/2	159.07	1/2		1/2		1/2	
3/4	2,314.24	3/4	1,950.35	3/4	1,586.45	3/4	1,227.03	3/4	878.71	3/4	515.39	3/4	151.50	3/4		3/4		3/4	
2	2,306.66	2	1,942.76	2	1,578.87	2	1,219.76	2	871.28	2	507.81	2	143.94	2		2		2	
1/4	2,299.08	1/4	1,935.18	1/4	1,571.29	1/4	1,212.49	1/4	863.85	1/4	500.22	1/4	136.38	1/4		1/4		1/4	
1/2	2,291.50	1/2	1,927.60	1/2	1,563.70	1/2	1,205.22	1/2	856.42	1/2	492.64	1/2	128.82	1/2		1/2		1/2	
3/4	2,283.91	3/4	1,920.02	3/4	1,556.12	3/4	1,197.96	3/4	848.99	3/4	485.06	3/4	121.26	3/4		3/4		3/4	
3	2,276.33	3	1,912.44	3	1,548.62	3	1,190.70	3	841.41	3	477.48	3	113.72	3		3		3	
1/4	2,268.75	1/4	1,904.86	1/4	1,541.12	1/4	1,183.45	1/4	833.83	1/4	469.90	1/4	106.18	1/4		1/4		1/4	
1/2	2,261.17	1/2	1,897.28	1/2	1,533.62	1/2	1,176.20	1/2	826.24	1/2	462.31	1/2	98.64	1/2		1/2		1/2	
3/4	2,253.59	3/4	1,889.70	3/4	1,526.12	3/4	1,168.94	3/4	818.66	3/4	454.73	3/4	91.10	3/4		3/4		3/4	
4	2,246.01	4	1,882.11	4	1,518.70	4	1,161.69	4	811.08	4	447.15	4	83.59	4		4		4	
1/4	2,238.43	1/4	1,874.53	1/4	1,511.28	1/4	1,154.44	1/4	803.50	1/4	439.57	1/4	76.08	1/4		1/4		1/4	
1/2	2,230.85	1/2	1,866.95	1/2	1,503.86	1/2	1,147.19	1/2	795.92	1/2	431.99	1/2	68.58	1/2		1/2		1/2	
3/4	2,223.27	3/4	1,859.37	3/4	1,496.45	3/4	1,139.94	3/4	788.34	3/4	424.40	3/4	61.07	3/4		3/4		3/4	
5	2,215.69	5	1,851.79	5	1,489.03	5	1,132.69	5	780.75	5	416.82	5	54.17	5		5		5	
1/4	2,208.10	1/4	1,844.21	1/4	1,481.61	1/4	1,125.44	1/4	773.17	1/4	409.24	1/4	47.27	1/4		1/4		1/4	
1/2	2,200.52	1/2	1,836.63	1/2	1,474.19	1/2	1,118.19	1/2	765.59	1/2	401.66	1/2	40.37	1/2		1/2		1/2	
3/4	2,192.94	3/4	1,829.05	3/4	1,466.77	3/4	1,110.94	3/4	758.01	3/4	394.08	3/4	33.47	3/4		3/4		3/4	
6	2,185.36	6	1,821.46	6	1,459.35	6	1,103.68	6	750.43	6	386.49	6	28.42	6		6		6	
1/4	2,177.78	1/4	1,813.88	1/4	1,451.93	1/4	1,096.43	1/4	742.85	1/4	378.91	1/4	23.37	1/4		1/4		1/4	
1/2	2,170.20	1/2	1,806.30	1/2	1,444.51	1/2	1,089.18	1/2	735.26	1/2	371.33	1/2	18.31	1/2		1/2		1/2	
3/4	2,162.62	3/4	1,798.72	3/4	1,437.09	3/4	1,081.93	3/4	727.68	3/4	363.75	3/4	13.26	3/4		3/4		3/4	
7	2,155.04	7	1,791.14	7	1,429.67	7	1,074.68	7	720.10	7	356.17	7		7		7		7	
1/4	2,147.46	1/4	1,783.56	1/4	1,422.25	1/4	1,067.43	1/4	712.52	1/4	348.58	1/4		1/4		1/4		1/4	
1/2	2,139.88	1/2	1,775.98	1/2	1,414.84	1/2	1,060.18	1/2	704.94	1/2	341.00	1/2		1/2		1/2		1/2	
3/4	2,132.29	3/4	1,768.40	3/4	1,407.42	3/4	1,052.93	3/4	697.36	3/4	333.42	3/4		3/4		3/4		3/4	
8	2,124.71	8	1,760.82	8	1,400.00	8	1,045.68	8	689.77	8	325.84	8		8		8		8	
1/4	2,117.13	1/4	1,753.23	1/4	1,392.58	1/4	1,038.42	1/4	682.19	1/4	318.26	1/4		1/4		1/4		1/4	
1/2	2,109.55	1/2	1,745.65	1/2	1,385.16	1/2	1,031.17	1/2	674.61	1/2	310.67	1/2		1/2		1/2		1/2	
3/4	2,101.97	3/4	1,738.07	3/4	1,377.74	3/4	1,023.92	3/4	667.03	3/4	303.09	3/4		3/4		3/4		3/4	
9	2,094.39	9	1,730.49	9	1,370.24	9	1,016.67	9	659.45	9	295.51	9		9		9		9	
1/4	2,086.81	1/4	1,722.91	1/4	1,362.73	1/4	1,009.42	1/4	651.86	1/4	287.93	1/4		1/4		1/4		1/4	
1/2	2,079.23	1/2	1,715.33	1/2	1,355.23	1/2	1,002.17	1/2	644.28	1/2	280.35	1/2		1/2		1/2		1/2	
3/4	2,071.65	3/4	1,707.75	3/4	1,347.73	3/4	994.92	3/4	636.70	3/4	272.76	3/4		3/4		3/4		3/4	
10	2,064.07	10	1,700.17	10	1,340.15	10	987.67	10	629.12	10	265.18	10		10		10		10	
1/4	2,056.48	1/4	1,692.58	1/4	1,332.57	1/4	980.42	1/4	621.54	1/4	257.60	1/4		1/4		1/4		1/4	
1/2	2,048.90	1/2	1,685.00	1/2	1,324.99	1/2	973.16	1/2	613.95	1/2	250.02	1/2		1/2		1/2		1/2	
3/4	2,041.32	3/4	1,677.42	3/4	1,317.41	3/4	965.91	3/4	606.37	3/4	242.44	3/4		3/4		3/4		3/4	
11	2,033.74	11	1,669.84	11	1,309.82	11	958.66	11	598.79	11	234.85	11		11		11		11	
1/4	2,026.16	1/4	1,662.26	1/4	1,302.24	1/4	951.41	1/4	591.21	1/4	227.27	1/4		1/4		1/4		1/4	
1/2	2,018.58	1/2	1,654.68	1/2	1,294.66	1/2	944.15	1/2	583.63	1/2	219.69	1/2		1/2		1/2		1/2	
3/4	2,010.99	3/4	1,647.10	3/4	1,287.08	3/4	936.90	3/4	576.04	3/4	212.11	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2009 CL - SW
 CALCULATED: 06/12/2009 CL
 PRINTED: 06/12/2009 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2009

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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



BARGE "KIRBY 28105"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13

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.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-08" 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 28105"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	2,377.11	2,012.95	1,648.80	1,288.52	925.44	561.28	197.09	0	0	0	0	0	0	0	0	0	0	0	0
1/2	2,369.52	2,005.37	1,641.21	1,280.93	917.87	553.69	189.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/4	2,361.93	1,997.78	1,633.62	1,273.34	910.29	546.11	181.92	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
1	2,354.35	1,990.19	1,626.04	1,265.76	902.70	538.52	174.34	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1 1/4	2,346.76	1,982.61	1,618.45	1,258.17	895.12	530.93	166.77	1	1	1	1	1	1	1	1	1	1	1	1
1 1/2	2,339.17	1,975.02	1,610.86	1,250.58	887.53	523.34	159.19	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 3/4	2,331.59	1,967.43	1,603.28	1,242.99	879.94	515.76	151.61	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
2	2,324.00	1,959.85	1,595.69	1,235.42	872.36	508.17	144.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2 1/4	2,316.41	1,952.26	1,588.10	1,227.85	864.77	500.58	136.48	2	2	2	2	2	2	2	2	2	2	2	2
2 1/2	2,308.83	1,944.67	1,580.52	1,220.27	857.18	492.99	128.91	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
2 3/4	2,301.24	1,937.09	1,572.93	1,212.70	849.60	485.41	121.35	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3	2,293.65	1,929.50	1,565.34	1,205.14	842.01	477.82	113.80	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3 1/4	2,286.07	1,921.91	1,557.75	1,197.58	834.42	470.23	106.26	3	3	3	3	3	3	3	3	3	3	3	3
3 1/2	2,278.48	1,914.33	1,550.16	1,190.02	826.83	462.64	98.71	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
3 3/4	2,270.90	1,906.74	1,542.57	1,182.46	819.25	455.06	91.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
4	2,263.31	1,899.15	1,535.00	1,174.90	811.66	447.47	83.65	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4 1/4	2,255.72	1,891.57	1,527.42	1,167.34	804.07	439.88	76.14	4	4	4	4	4	4	4	4	4	4	4	4
4 1/2	2,248.14	1,883.98	1,520.83	1,159.78	796.49	432.29	68.63	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
4 3/4	2,240.55	1,876.39	1,513.24	1,152.22	788.90	424.71	61.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
5	2,232.96	1,868.81	1,505.65	1,144.67	781.31	417.12	54.21	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5 1/4	2,225.38	1,861.22	1,498.06	1,137.11	773.73	409.53	47.30	5	5	5	5	5	5	5	5	5	5	5	5
5 1/2	2,217.79	1,853.63	1,490.47	1,129.55	766.14	401.94	40.40	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
5 3/4	2,210.20	1,846.05	1,482.88	1,121.99	758.55	394.36	33.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
6	2,202.62	1,838.46	1,475.29	1,114.43	750.96	386.77	28.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6 1/4	2,195.03	1,830.87	1,467.70	1,106.88	743.38	379.18	23.38	6	6	6	6	6	6	6	6	6	6	6	6
6 1/2	2,187.45	1,823.29	1,460.11	1,099.32	735.79	371.60	18.33	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
6 3/4	2,179.86	1,815.70	1,452.52	1,091.76	728.20	364.01	13.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
7	2,172.27	1,808.11	1,444.93	1,084.20	720.62	356.42	8.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7 1/4	2,164.69	1,800.53	1,437.34	1,076.64	713.03	348.83	3.17	7	7	7	7	7	7	7	7	7	7	7	7
7 1/2	2,157.10	1,792.94	1,430.75	1,069.08	705.44	341.25	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
7 3/4	2,149.51	1,785.35	1,423.16	1,061.53	697.86	333.66	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
8	2,141.93	1,777.77	1,415.57	1,053.97	690.27	326.07	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8 1/4	2,134.34	1,770.18	1,407.98	1,046.41	682.68	318.48	0	8	8	8	8	8	8	8	8	8	8	8	8
8 1/2	2,126.75	1,762.59	1,400.39	1,038.85	675.09	310.90	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
8 3/4	2,119.17	1,755.01	1,392.80	1,031.29	667.50	303.31	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
9	2,111.58	1,747.42	1,385.21	1,023.74	659.92	295.72	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9 1/4	2,103.99	1,739.84	1,377.62	1,016.18	652.33	288.13	0	9	9	9	9	9	9	9	9	9	9	9	9
9 1/2	2,096.41	1,732.25	1,370.03	1,008.62	644.74	280.55	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
9 3/4	2,088.82	1,724.66	1,362.44	1,001.06	637.15	272.96	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
10	2,081.24	1,717.08	1,354.85	993.50	629.57	265.37	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10 1/4	2,073.65	1,709.49	1,347.26	985.95	621.98	257.78	0	10	10	10	10	10	10	10	10	10	10	10	10
10 1/2	2,066.06	1,701.90	1,339.67	978.39	614.39	250.20	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
10 3/4	2,058.48	1,694.32	1,332.08	970.83	606.80	242.61	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
11	2,050.89	1,686.73	1,324.49	963.27	599.22	235.02	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11 1/4	2,043.30	1,679.14	1,316.90	955.71	591.63	227.44	0	11	11	11	11	11	11	11	11	11	11	11	11
11 1/2	2,035.71	1,671.56	1,309.31	948.15	584.04	219.85	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
11 3/4	2,028.13	1,663.97	1,301.72	940.59	576.46	212.26	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
12	2,020.54	1,656.38	1,294.13	933.02	568.87	204.68	0	3/4	3/4	3/4	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: 06/11/2009 CL - SW
 CALCULATED: 06/12/2009 CL
 PRINTED: 06/12/2009 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2009

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77586
<http://www.pmacorp.net>



BARGE "KIRBY 28105"

3 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	IN	IN	IN	IN	IN	IN	IN	IN	IN			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4			
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2			
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4			
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4			
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2			
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4			
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4			
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2			
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4			
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4			
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2			
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4			
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4			
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2			
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4			
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4			
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2			
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4			
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4			
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2			
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4			
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4			
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2			
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4			
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8			
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4			
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2			
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4			
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9			
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4			
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2			
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4			
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10			
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4			
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2			
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4			
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11			
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4			
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2			
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4			
4,458.05																			4,458.05	4,458.05	4,458.05	4,458.05

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 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77568
<http://www.pmacorp.net>

Eric Johnson



BARGE "KIRBY 28105"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,289.59	0	1,926.23	0	1,562.97	0	1,204.11	0	850.26	0	493.33	0	129.91	0		0		0	
1/4	2,282.02	1/4	1,918.66	1/4	1,555.42	1/4	1,196.56	1/4	842.90	1/4	485.74	1/4	122.64	1/4		1/4		1/4	
1/2	2,274.45	1/2	1,911.09	1/2	1,547.88	1/2	1,189.00	1/2	835.53	1/2	478.15	1/2	116.31	1/2		1/2		1/2	
3/4	2,266.88	3/4	1,903.52	3/4	1,540.33	3/4	1,181.45	3/4	828.17	3/4	470.56	3/4	109.99	3/4		3/4		3/4	
1	2,259.31	1	1,895.95	1	1,532.78	1	1,173.89	1	820.80	1	462.97	1	103.66	1		1		1	
1/4	2,251.74	1/4	1,888.38	1/4	1,525.24	1/4	1,166.34	1/4	813.43	1/4	455.38	1/4	97.34	1/4		1/4		1/4	
1/2	2,244.17	1/2	1,880.81	1/2	1,517.69	1/2	1,158.89	1/2	806.05	1/2	447.79	1/2	92.28	1/2		1/2		1/2	
3/4	2,236.60	3/4	1,873.24	3/4	1,510.14	3/4	1,151.44	3/4	798.67	3/4	440.20	3/4	87.23	3/4		3/4		3/4	
2	2,229.03	2	1,865.67	2	1,502.60	2	1,143.99	2	791.29	2	432.61	2	82.18	2		2		2	
1/4	2,221.46	1/4	1,858.10	1/4	1,495.05	1/4	1,136.54	1/4	783.91	1/4	425.01	1/4	77.12	1/4		1/4		1/4	
1/2	2,213.89	1/2	1,850.53	1/2	1,487.50	1/2	1,129.20	1/2	776.53	1/2	417.42	1/2	73.34	1/2		1/2		1/2	
3/4	2,206.32	3/4	1,842.96	3/4	1,479.96	3/4	1,121.86	3/4	769.15	3/4	409.83	3/4	69.57	3/4		3/4		3/4	
3	2,198.75	3	1,835.39	3	1,472.41	3	1,114.52	3	761.77	3	402.24	3	65.79	3		3		3	
1/4	2,191.18	1/4	1,827.81	1/4	1,464.86	1/4	1,107.17	1/4	754.39	1/4	394.65	1/4	62.01	1/4		1/4		1/4	
1/2	2,183.61	1/2	1,820.24	1/2	1,457.40	1/2	1,099.84	1/2	747.01	1/2	387.06	1/2	59.51	1/2		1/2		1/2	
3/4	2,176.04	3/4	1,812.67	3/4	1,449.93	3/4	1,092.50	3/4	739.63	3/4	379.47	3/4	57.02	3/4		3/4		3/4	
4	2,168.47	4	1,805.10	4	1,442.47	4	1,085.17	4	732.25	4	371.88	4	54.53	4		4		4	
1/4	2,160.90	1/4	1,797.53	1/4	1,435.00	1/4	1,077.83	1/4	724.87	1/4	364.29	1/4	52.03	1/4		1/4		1/4	
1/2	2,153.33	1/2	1,789.96	1/2	1,427.60	1/2	1,070.50	1/2	717.49	1/2	356.69	1/2	50.83	1/2		1/2		1/2	
3/4	2,145.76	3/4	1,782.39	3/4	1,420.21	3/4	1,063.17	3/4	710.11	3/4	349.10	3/4	49.64	3/4		3/4		3/4	
5	2,138.19	5	1,774.82	5	1,412.81	5	1,055.83	5	702.72	5	341.51	5	48.44	5		5		5	
1/4	2,130.62	1/4	1,767.25	1/4	1,405.41	1/4	1,048.50	1/4	695.34	1/4	333.92	1/4	47.24	1/4		1/4		1/4	
1/2	2,123.05	1/2	1,759.68	1/2	1,398.00	1/2	1,041.17	1/2	687.96	1/2	326.33	1/2	46.04	1/2		1/2		1/2	
3/4	2,115.48	3/4	1,752.11	3/4	1,390.59	3/4	1,033.83	3/4	680.58	3/4	318.74	3/4	44.84	3/4		3/4		3/4	
6	2,107.91	6	1,744.54	6	1,383.18	6	1,026.50	6	673.20	6	311.15	6	43.64	6		6		6	
1/4	2,100.34	1/4	1,736.97	1/4	1,375.77	1/4	1,019.17	1/4	665.82	1/4	303.56	1/4	42.44	1/4		1/4		1/4	
1/2	2,092.77	1/2	1,729.40	1/2	1,368.37	1/2	1,011.83	1/2	658.44	1/2	295.97	1/2	41.24	1/2		1/2		1/2	
3/4	2,085.20	3/4	1,721.83	3/4	1,360.96	3/4	1,004.50	3/4	651.06	3/4	288.37	3/4	40.04	3/4		3/4		3/4	
7	2,077.63	7	1,714.26	7	1,353.55	7	997.17	7	643.68	7	280.78	7	38.84	7		7		7	
1/4	2,070.06	1/4	1,706.69	1/4	1,346.14	1/4	989.83	1/4	636.30	1/4	273.19	1/4	37.64	1/4		1/4		1/4	
1/2	2,062.49	1/2	1,699.12	1/2	1,338.73	1/2	982.50	1/2	628.92	1/2	265.60	1/2	36.44	1/2		1/2		1/2	
3/4	2,054.92	3/4	1,691.55	3/4	1,331.32	3/4	975.17	3/4	621.54	3/4	258.01	3/4	35.24	3/4		3/4		3/4	
8	2,047.35	8	1,683.98	8	1,323.91	8	967.83	8	614.16	8	250.42	8	34.04	8		8		8	
1/4	2,039.78	1/4	1,676.41	1/4	1,316.50	1/4	960.50	1/4	606.78	1/4	242.83	1/4	32.84	1/4		1/4		1/4	
1/2	2,032.21	1/2	1,668.84	1/2	1,309.10	1/2	953.16	1/2	599.29	1/2	235.24	1/2	31.64	1/2		1/2		1/2	
3/4	2,024.64	3/4	1,661.27	3/4	1,301.70	3/4	945.81	3/4	591.81	3/4	227.65	3/4	30.44	3/4		3/4		3/4	
9	2,017.07	9	1,653.70	9	1,294.30	9	938.47	9	584.32	9	220.05	9	29.24	9		9		9	
1/4	2,009.50	1/4	1,646.13	1/4	1,286.89	1/4	931.13	1/4	576.84	1/4	212.46	1/4	28.04	1/4		1/4		1/4	
1/2	2,001.93	1/2	1,638.56	1/2	1,279.42	1/2	923.78	1/2	569.25	1/2	204.87	1/2	26.84	1/2		1/2		1/2	
3/4	1,994.36	3/4	1,630.99	3/4	1,271.95	3/4	916.43	3/4	561.65	3/4	197.28	3/4	25.64	3/4		3/4		3/4	
10	1,986.79	10	1,623.42	10	1,264.47	10	909.07	10	554.06	10	189.69	10	24.44	10		10		10	
1/4	1,979.22	1/4	1,615.85	1/4	1,257.00	1/4	901.72	1/4	546.47	1/4	182.10	1/4	23.24	1/4		1/4		1/4	
1/2	1,971.65	1/2	1,608.29	1/2	1,249.44	1/2	894.37	1/2	538.88	1/2	174.51	1/2	22.04	1/2		1/2		1/2	
3/4	1,964.08	3/4	1,600.73	3/4	1,241.89	3/4	887.02	3/4	531.29	3/4	166.92	3/4	20.84	3/4		3/4		3/4	
11	1,956.51	11	1,593.17	11	1,234.33	11	879.67	11	523.70	11	159.33	11	19.64	11		11		11	
1/4	1,948.94	1/4	1,585.61	1/4	1,226.78	1/4	872.32	1/4	516.11	1/4	151.73	1/4	18.44	1/4		1/4		1/4	
1/2	1,941.37	1/2	1,578.07	1/2	1,219.22	1/2	864.96	1/2	508.52	1/2	144.46	1/2	17.24	1/2		1/2		1/2	
3/4	1,933.80	3/4	1,570.52	3/4	1,211.67	3/4	857.61	3/4	500.93	3/4	137.19	3/4	16.04	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2009 CL - SW
CALCULATED: 06/12/2009 CL
PRINTED: 06/12/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2009

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



BARGE "KIRBY 28105"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IPIPS 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 52'-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 28105"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,303.00	0	1,938.59	0	1,574.17	0	1,213.62	0	850.25	0	485.86	0	122.67	0		0		0	
1/4	2,295.41	1/4	1,930.99	1/4	1,566.57	1/4	1,206.03	1/4	842.67	1/4	478.27	1/4	116.34	1/4		1/4		1/4	
1/2	2,287.82	1/2	1,923.40	1/2	1,558.98	1/2	1,198.43	1/2	835.09	1/2	470.67	1/2	110.01	1/2		1/2		1/2	
3/4	2,280.22	3/4	1,915.81	3/4	1,551.39	3/4	1,190.84	3/4	827.51	3/4	463.08	3/4	103.69	3/4		3/4		3/4	
1	2,272.63	1	1,908.22	1	1,543.80	1	1,183.25	1	819.93	1	455.49	1	97.36	1		1		1	
1/4	2,265.04	1/4	1,900.63	1/4	1,536.21	1/4	1,175.66	1/4	812.34	1/4	447.89	1/4	92.31	1/4		1/4		1/4	
1/2	2,257.45	1/2	1,893.03	1/2	1,528.61	1/2	1,168.06	1/2	804.75	1/2	440.30	1/2	87.25	1/2		1/2		1/2	
3/4	2,249.86	3/4	1,885.44	3/4	1,521.02	3/4	1,160.47	3/4	797.16	3/4	432.71	3/4	82.20	3/4		3/4		3/4	
2	2,242.26	2	1,877.85	2	1,513.43	2	1,152.88	2	789.56	2	425.12	2	77.14	2		2		2	
1/4	2,234.67	1/4	1,870.26	1/4	1,505.84	1/4	1,145.30	1/4	781.97	1/4	417.52	1/4	73.36	1/4		1/4		1/4	
1/2	2,227.08	1/2	1,862.66	1/2	1,498.24	1/2	1,137.72	1/2	774.38	1/2	409.93	1/2	69.58	1/2		1/2		1/2	
3/4	2,219.49	3/4	1,855.07	3/4	1,490.65	3/4	1,130.14	3/4	766.79	3/4	402.34	3/4	65.80	3/4		3/4		3/4	
3	2,211.90	3	1,847.48	3	1,483.06	3	1,122.56	3	759.19	3	394.74	3	62.02	3		3		3	
1/4	2,204.30	1/4	1,839.89	1/4	1,475.55	1/4	1,114.99	1/4	751.60	1/4	387.15	1/4	59.53	1/4		1/4		1/4	
1/2	2,196.71	1/2	1,832.30	1/2	1,468.04	1/2	1,107.43	1/2	744.01	1/2	379.56	1/2	57.03	1/2		1/2		1/2	
3/4	2,189.12	3/4	1,824.70	3/4	1,460.53	3/4	1,099.86	3/4	736.42	3/4	371.97	3/4	54.54	3/4		3/4		3/4	
4	2,181.53	4	1,817.11	4	1,453.02	4	1,092.30	4	728.82	4	364.37	4	52.04	4		4		4	
1/4	2,173.94	1/4	1,809.52	1/4	1,445.59	1/4	1,084.73	1/4	721.23	1/4	356.78	1/4	50.85	1/4		1/4		1/4	
1/2	2,166.34	1/2	1,801.93	1/2	1,438.16	1/2	1,077.17	1/2	713.64	1/2	349.19	1/2	49.65	1/2		1/2		1/2	
3/4	2,158.75	3/4	1,794.34	3/4	1,430.73	3/4	1,069.61	3/4	706.05	3/4	341.59	3/4	48.45	3/4		3/4		3/4	
5	2,151.16	5	1,786.74	5	1,423.30	5	1,062.04	5	698.45	5	334.00	5	47.25	5		5		5	
1/4	2,143.57	1/4	1,779.15	1/4	1,415.86	1/4	1,054.48	1/4	690.86	1/4	326.41	1/4	46.04	1/4		1/4		1/4	
1/2	2,135.98	1/2	1,771.56	1/2	1,408.43	1/2	1,046.91	1/2	683.27	1/2	318.81	1/2	44.83	1/2		1/2		1/2	
3/4	2,128.39	3/4	1,763.97	3/4	1,401.00	3/4	1,039.35	3/4	675.68	3/4	311.22	3/4	43.62	3/4		3/4		3/4	
6	2,120.79	6	1,756.38	6	1,393.57	6	1,031.79	6	668.08	6	303.63	6	42.41	6		6		6	
1/4	2,113.20	1/4	1,748.78	1/4	1,386.14	1/4	1,024.22	1/4	660.49	1/4	296.04	1/4	41.20	1/4		1/4		1/4	
1/2	2,105.61	1/2	1,741.19	1/2	1,378.71	1/2	1,016.66	1/2	652.90	1/2	288.44	1/2	40.00	1/2		1/2		1/2	
3/4	2,098.02	3/4	1,733.60	3/4	1,371.28	3/4	1,009.10	3/4	645.31	3/4	280.85	3/4	38.79	3/4		3/4		3/4	
7	2,090.43	7	1,726.01	7	1,363.85	7	1,001.53	7	637.71	7	273.26	7	37.58	7		7		7	
1/4	2,082.83	1/4	1,718.41	1/4	1,356.42	1/4	993.97	1/4	630.12	1/4	265.66	1/4	36.37	1/4		1/4		1/4	
1/2	2,075.24	1/2	1,710.82	1/2	1,348.99	1/2	986.41	1/2	622.53	1/2	258.07	1/2	35.16	1/2		1/2		1/2	
3/4	2,067.65	3/4	1,703.23	3/4	1,341.56	3/4	978.84	3/4	614.94	3/4	250.48	3/4	34.00	3/4		3/4		3/4	
8	2,060.06	8	1,695.64	8	1,334.13	8	971.28	8	607.34	8	242.89	8	32.79	8		8		8	
1/4	2,052.47	1/4	1,688.05	1/4	1,326.70	1/4	963.72	1/4	599.75	1/4	235.29	1/4	31.58	1/4		1/4		1/4	
1/2	2,044.87	1/2	1,680.45	1/2	1,319.27	1/2	956.15	1/2	592.16	1/2	227.70	1/2	30.37	1/2		1/2		1/2	
3/4	2,037.28	3/4	1,672.86	3/4	1,311.84	3/4	948.59	3/4	584.57	3/4	220.11	3/4	29.16	3/4		3/4		3/4	
9	2,029.69	9	1,665.27	9	1,304.41	9	941.02	9	576.97	9	212.51	9	27.95	9		9		9	
1/4	2,022.10	1/4	1,657.68	1/4	1,296.90	1/4	933.46	1/4	569.38	1/4	204.92	1/4	26.74	1/4		1/4		1/4	
1/2	2,014.51	1/2	1,650.09	1/2	1,289.39	1/2	925.90	1/2	561.79	1/2	197.33	1/2	25.53	1/2		1/2		1/2	
3/4	2,006.91	3/4	1,642.49	3/4	1,281.87	3/4	918.33	3/4	554.19	3/4	189.74	3/4	24.32	3/4		3/4		3/4	
10	1,999.32	10	1,634.90	10	1,274.36	10	910.77	10	546.60	10	182.14	10	23.11	10		10		10	
1/4	1,991.73	1/4	1,627.31	1/4	1,266.77	1/4	903.21	1/4	539.01	1/4	174.55	1/4	21.90	1/4		1/4		1/4	
1/2	1,984.14	1/2	1,619.72	1/2	1,259.18	1/2	895.64	1/2	531.42	1/2	166.96	1/2	20.69	1/2		1/2		1/2	
3/4	1,976.55	3/4	1,612.13	3/4	1,251.58	3/4	888.08	3/4	523.82	3/4	159.36	3/4	19.48	3/4		3/4		3/4	
11	1,968.96	11	1,604.53	11	1,243.99	11	880.52	11	516.23	11	151.77	11	18.27	11		11		11	
1/4	1,961.36	1/4	1,596.94	1/4	1,236.40	1/4	872.95	1/4	508.64	1/4	144.49	1/4	17.06	1/4		1/4		1/4	
1/2	1,953.77	1/2	1,589.35	1/2	1,228.81	1/2	865.38	1/2	501.04	1/2	137.22	1/2	15.85	1/2		1/2		1/2	
3/4	1,946.18	3/4	1,581.76	3/4	1,221.21	3/4	857.82	3/4	493.45	3/4	129.94	3/4	14.64	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/11/2009 CL - SW
CALCULATED: 06/12/2009 CL
PRINTED: 06/12/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2009

PRECISION MEASUREMENT
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