



BARGE "KIRBY 28192"

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	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4
1 STBD	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4
2 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
2 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-3/8	- 02-3/8
3 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
3 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8

(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 - 00-5/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

May 5, 2012

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28192"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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	2,411.31	0	2,033.27	0	1,655.23	0	1,278.62	0	901.30	0	523.31	0	176.20	0		0		0	
1/4	2,403.44	1/4	2,025.40	1/4	1,647.35	1/4	1,270.80	1/4	893.43	1/4	515.49	1/4	169.68	1/4	1/4	1/4		1/4	
1/2	2,395.56	1/2	2,017.52	1/2	1,639.48	1/2	1,262.97	1/2	885.55	1/2	507.68	1/2	163.17	1/2	1/2	1/2		1/2	
3/4	2,387.69	3/4	2,009.64	3/4	1,631.60	3/4	1,255.14	3/4	877.68	3/4	499.86	3/4	156.65	3/4	3/4	3/4		3/4	
1	2,379.81	1	2,001.77	1	1,623.72	1	1,247.32	1	869.80	1	492.04	1	150.13	1	1	1		1	
1/4	2,371.94	1/4	1,993.89	1/4	1,615.85	1/4	1,239.49	1/4	861.93	1/4	484.32	1/4	143.72	1/4	1/4	1/4		1/4	
1/2	2,364.06	1/2	1,986.02	1/2	1,607.97	1/2	1,231.67	1/2	854.05	1/2	476.59	1/2	137.32	1/2	1/2	1/2		1/2	
3/4	2,356.18	3/4	1,978.14	3/4	1,600.10	3/4	1,223.84	3/4	846.17	3/4	468.87	3/4	130.92	3/4	3/4	3/4		3/4	
2	2,348.31	2	1,970.26	2	1,592.22	2	1,216.01	2	838.30	2	461.14	2	124.51	2	2	2		2	
1/4	2,340.43	1/4	1,962.39	1/4	1,584.35	1/4	1,208.19	1/4	830.42	1/4	453.52	1/4	118.23	1/4	1/4	1/4		1/4	
1/2	2,332.56	1/2	1,954.51	1/2	1,576.47	1/2	1,200.36	1/2	822.55	1/2	445.91	1/2	111.95	1/2	1/2	1/2		1/2	
3/4	2,324.68	3/4	1,946.64	3/4	1,568.59	3/4	1,192.53	3/4	814.67	3/4	438.29	3/4	105.67	3/4	3/4	3/4		3/4	
3	2,316.80	3	1,938.76	3	1,560.72	3	1,184.71	3	806.80	3	430.68	3	99.38	3	3	3		3	
1/4	2,308.93	1/4	1,930.88	1/4	1,552.85	1/4	1,176.86	1/4	798.92	1/4	423.17	1/4	93.23	1/4	1/4	1/4		1/4	
1/2	2,301.05	1/2	1,923.01	1/2	1,544.99	1/2	1,169.02	1/2	791.04	1/2	415.66	1/2	87.08	1/2	1/2	1/2		1/2	
3/4	2,293.18	3/4	1,915.13	3/4	1,537.12	3/4	1,161.17	3/4	783.17	3/4	408.16	3/4	80.92	3/4	3/4	3/4		3/4	
4	2,285.30	4	1,907.26	4	1,529.26	4	1,153.33	4	775.29	4	400.65	4	74.77	4	4	4		4	
1/4	2,277.42	1/4	1,899.38	1/4	1,521.41	1/4	1,145.45	1/4	767.42	1/4	393.25	1/4	68.76	1/4	1/4	1/4		1/4	
1/2	2,269.55	1/2	1,891.51	1/2	1,513.57	1/2	1,137.58	1/2	759.54	1/2	385.86	1/2	62.75	1/2	1/2	1/2		1/2	
3/4	2,261.67	3/4	1,883.63	3/4	1,505.72	3/4	1,129.70	3/4	751.67	3/4	378.46	3/4	56.74	3/4	3/4	3/4		3/4	
5	2,253.80	5	1,875.75	5	1,497.87	5	1,121.82	5	743.79	5	371.06	5	50.72	5	5	5		5	
1/4	2,245.92	1/4	1,867.88	1/4	1,490.03	1/4	1,113.95	1/4	735.91	1/4	363.78	1/4	45.31	1/4	1/4	1/4		1/4	
1/2	2,238.04	1/2	1,860.00	1/2	1,482.19	1/2	1,106.07	1/2	728.04	1/2	356.49	1/2	39.89	1/2	1/2	1/2		1/2	
3/4	2,230.17	3/4	1,852.13	3/4	1,474.35	3/4	1,098.20	3/4	720.16	3/4	349.20	3/4	34.47	3/4	3/4	3/4		3/4	
6	2,222.29	6	1,844.25	6	1,466.51	6	1,090.32	6	712.29	6	341.91	6	29.05	6	6	6		6	
1/4	2,214.42	1/4	1,836.37	1/4	1,458.67	1/4	1,082.45	1/4	704.41	1/4	334.73	1/4	25.09	1/4	1/4	1/4		1/4	
1/2	2,206.54	1/2	1,828.50	1/2	1,450.84	1/2	1,074.57	1/2	696.54	1/2	327.56	1/2	21.12	1/2	1/2	1/2		1/2	
3/4	2,198.67	3/4	1,820.62	3/4	1,443.01	3/4	1,066.69	3/4	688.66	3/4	320.38	3/4	17.16	3/4	3/4	3/4		3/4	
7	2,190.79	7	1,812.75	7	1,435.17	7	1,058.82	7	680.78	7	313.20	7	13.19	7	7	7		7	
1/4	2,182.91	1/4	1,804.87	1/4	1,427.34	1/4	1,050.94	1/4	672.91	1/4	306.13	1/4		1/4	1/4	1/4		1/4	
1/2	2,175.04	1/2	1,796.99	1/2	1,419.51	1/2	1,043.07	1/2	665.03	1/2	299.06	1/2		1/2	1/2	1/2		1/2	
3/4	2,167.16	3/4	1,789.12	3/4	1,411.68	3/4	1,035.19	3/4	657.16	3/4	291.99	3/4		3/4	3/4	3/4		3/4	
8	2,159.29	8	1,781.24	8	1,403.85	8	1,027.32	8	649.28	8	284.93	8		8	8	8		8	
1/4	2,151.41	1/4	1,773.37	1/4	1,396.02	1/4	1,019.44	1/4	641.41	1/4	277.97	1/4		1/4	1/4	1/4		1/4	
1/2	2,143.53	1/2	1,765.49	1/2	1,388.20	1/2	1,011.56	1/2	633.53	1/2	271.01	1/2		1/2	1/2	1/2		1/2	
3/4	2,135.66	3/4	1,757.62	3/4	1,380.37	3/4	1,003.69	3/4	625.65	3/4	264.05	3/4		3/4	3/4	3/4		3/4	
9	2,127.78	9	1,749.74	9	1,372.54	9	995.81	9	617.78	9	257.09	9		9	9	9		9	
1/4	2,119.91	1/4	1,741.86	1/4	1,364.72	1/4	987.94	1/4	609.90	1/4	250.24	1/4		1/4	1/4	1/4		1/4	
1/2	2,112.03	1/2	1,733.99	1/2	1,356.89	1/2	980.06	1/2	602.03	1/2	243.39	1/2		1/2	1/2	1/2		1/2	
3/4	2,104.15	3/4	1,726.11	3/4	1,349.06	3/4	972.19	3/4	594.15	3/4	236.54	3/4		3/4	3/4	3/4		3/4	
10	2,096.28	10	1,718.24	10	1,341.24	10	964.31	10	586.28	10	229.69	10		10	10	10		10	
1/4	2,088.40	1/4	1,710.36	1/4	1,333.41	1/4	956.43	1/4	578.40	1/4	222.95	1/4		1/4	1/4	1/4		1/4	
1/2	2,080.53	1/2	1,702.48	1/2	1,325.58	1/2	948.56	1/2	570.52	1/2	216.21	1/2		1/2	1/2	1/2		1/2	
3/4	2,072.65	3/4	1,694.61	3/4	1,317.76	3/4	940.68	3/4	562.65	3/4	209.47	3/4		3/4	3/4	3/4		3/4	
11	2,064.78	11	1,686.73	11	1,309.93	11	932.81	11	554.77	11	202.73	11		11	11	11		11	
1/4	2,056.90	1/4	1,678.86	1/4	1,302.10	1/4	924.93	1/4	546.91	1/4	196.10	1/4		1/4	1/4	1/4		1/4	
1/2	2,049.02	1/2	1,670.98	1/2	1,294.28	1/2	917.06	1/2	539.04	1/2	189.47	1/2		1/2	1/2	1/2		1/2	
3/4	2,041.15	3/4	1,663.10	3/4	1,286.45	3/4	909.18	3/4	531.18	3/4	182.83	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2012 CL - SW
CALCULATED: 05/05/2012 CL
PRINTED: 05/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "KIRBY 28192"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,954.05	0	4,620.04	0	4,280.57	0	3,924.60	0	3,552.76	0	3,176.32	0	2,798.37
1/4		1/4		1/4		1/4	4,948.67	1/4	4,613.15	1/4	4,273.33	1/4	3,917.02	1/4	3,544.92	1/4	3,168.45	1/4	2,790.49
1/2		1/2		1/2		1/2	4,942.00	1/2	4,606.23	1/2	4,266.06	1/2	3,909.41	1/2	3,537.08	1/2	3,160.57	1/2	2,782.62
3/4		3/4		3/4		3/4	4,935.32	3/4	4,599.31	3/4	4,258.80	3/4	3,901.79	3/4	3,529.24	3/4	3,152.70	3/4	2,774.74
1		1		1		1	4,928.64	1	4,592.39	1	4,251.53	1	3,894.18	1	3,521.41	1	3,144.83	1	2,766.87
1/4		1/4		1/4		1/4	4,921.97	1/4	4,585.47	1/4	4,244.27	1/4	3,886.57	1/4	3,513.57	1/4	3,136.95	1/4	2,759.00
1/2		1/2		1/2		1/2	4,914.36	1/2	4,578.52	1/2	4,236.98	1/2	3,878.93	1/2	3,505.73	1/2	3,129.08	1/2	2,751.12
3/4		3/4		3/4		3/4	4,906.75	3/4	4,571.57	3/4	4,229.68	3/4	3,871.29	3/4	3,497.89	3/4	3,121.20	3/4	2,743.25
2		2		2		2	4,899.14	2	4,564.62	2	4,222.39	2	3,863.66	2	3,490.05	2	3,113.33	2	2,735.37
1/4		1/4		1/4		1/4	4,891.53	1/4	4,557.67	1/4	4,215.10	1/4	3,856.02	1/4	3,482.21	1/4	3,105.46	1/4	2,727.50
1/2		1/2		1/2		1/2	4,883.69	1/2	4,550.69	1/2	4,207.78	1/2	3,848.36	1/2	3,474.37	1/2	3,097.58	1/2	2,719.63
3/4		3/4		3/4		3/4	4,875.85	3/4	4,543.72	3/4	4,200.46	3/4	3,840.69	3/4	3,466.53	3/4	3,089.71	3/4	2,711.75
3		3		3		3	4,868.01	3	4,536.74	3	4,193.13	3	3,833.03	3	3,458.69	3	3,081.83	3	2,703.88
1/4		1/4		1/4		1/4	4,860.17	1/4	4,529.76	1/4	4,185.81	1/4	3,825.36	1/4	3,450.85	1/4	3,073.96	1/4	2,696.00
1/2		1/2		1/2		1/2	4,852.77	1/2	4,522.75	1/2	4,178.46	1/2	3,817.67	1/2	3,443.01	1/2	3,066.09	1/2	2,688.13
3/4		3/4		3/4		3/4	4,845.36	3/4	4,515.75	3/4	4,171.11	3/4	3,809.97	3/4	3,435.17	3/4	3,058.21	3/4	2,680.25
4		4		4		4	4,837.96	4	4,508.74	4	4,163.76	4	3,802.28	4	3,427.33	4	3,050.34	4	2,672.38
1/4		1/4		1/4		1/4	4,830.55	1/4	4,501.73	1/4	4,156.41	1/4	3,794.58	1/4	3,419.50	1/4	3,042.46	1/4	2,664.51
1/2		1/2		1/2		1/2	4,823.86	1/2	4,494.70	1/2	4,149.03	1/2	3,786.86	1/2	3,411.66	1/2	3,034.59	1/2	2,656.63
3/4		3/4		3/4		3/4	4,817.16	3/4	4,487.66	3/4	4,141.65	3/4	3,779.14	3/4	3,403.82	3/4	3,026.72	3/4	2,648.76
5		5		5		5	4,810.47	5	4,480.63	5	4,134.27	5	3,771.41	5	3,395.98	5	3,018.84	5	2,640.88
1/4		1/4		1/4		1/4	4,803.78	1/4	4,473.59	1/4	4,126.89	1/4	3,763.69	1/4	3,388.14	1/4	3,010.97	1/4	2,633.01
1/2		1/2		1/2		1/2	4,797.06	1/2	4,466.52	1/2	4,119.48	1/2	3,755.94	1/2	3,380.30	1/2	3,003.09	1/2	2,625.14
3/4		3/4		3/4		3/4	4,790.34	3/4	4,459.46	3/4	4,112.08	3/4	3,748.19	3/4	3,372.46	3/4	2,995.22	3/4	2,617.26
6		6		6		6	4,783.62	6	4,452.39	6	4,104.67	6	3,740.43	6	3,364.62	6	2,987.34	6	2,609.39
1/4		1/4		1/4		1/4	4,776.89	1/4	4,445.33	1/4	4,097.26	1/4	3,732.68	1/4	3,356.78	1/4	2,979.47	1/4	2,601.51
1/2		1/2		1/2		1/2	4,770.14	1/2	4,438.24	1/2	4,089.82	1/2	3,724.90	1/2	3,348.94	1/2	2,971.60	1/2	2,593.64
3/4		3/4		3/4		3/4	4,763.39	3/4	4,431.14	3/4	4,082.38	3/4	3,717.12	3/4	3,341.10	3/4	2,963.72	3/4	2,585.77
7		7		7		7	4,756.64	7	4,424.05	7	4,074.95	7	3,709.34	7	3,333.26	7	2,955.85	7	2,577.89
1/4		1/4		1/4		1/4	4,749.89	1/4	4,416.96	1/4	4,067.51	1/4	3,701.56	1/4	3,325.43	1/4	2,947.97	1/4	2,570.02
1/2		1/2		1/2		1/2	4,743.11	1/2	4,409.83	1/2	4,060.04	1/2	3,693.75	1/2	3,317.59	1/2	2,940.10	1/2	2,562.14
3/4		3/4		3/4		3/4	4,736.33	3/4	4,402.71	3/4	4,052.58	3/4	3,685.94	3/4	3,309.75	3/4	2,932.23	3/4	2,554.27
8		8		8		8	4,729.55	8	4,395.58	8	4,045.11	8	3,678.13	8	3,301.91	8	2,924.35	8	2,546.39
1/4		1/4		1/4		1/4	4,722.77	1/4	4,388.46	1/4	4,037.65	1/4	3,670.32	1/4	3,294.07	1/4	2,916.48	1/4	2,538.52
1/2		1/2		1/2		1/2	4,715.96	1/2	4,381.31	1/2	4,030.15	1/2	3,662.49	1/2	3,286.23	1/2	2,908.60	1/2	2,530.65
3/4		3/4		3/4		3/4	4,709.15	3/4	4,374.16	3/4	4,022.65	3/4	3,654.66	3/4	3,278.39	3/4	2,900.73	3/4	2,522.77
9		9		9		9	4,702.34	9	4,367.01	9	4,015.16	9	3,646.82	9	3,270.55	9	2,892.86	9	2,514.90
1/4		1/4		1/4		1/4	4,695.54	1/4	4,359.85	1/4	4,007.66	1/4	3,638.99	1/4	3,262.71	1/4	2,884.98	1/4	2,507.02
1/2		1/2		1/2		1/2	4,688.70	1/2	4,352.67	1/2	4,000.14	1/2	3,631.15	1/2	3,254.87	1/2	2,877.11	1/2	2,499.15
3/4		3/4		3/4		3/4	4,681.86	3/4	4,345.49	3/4	3,992.61	3/4	3,623.31	3/4	3,247.03	3/4	2,869.23	3/4	2,491.28
10		10		10		10	4,675.02	10	4,338.31	10	3,985.09	10	3,615.48	10	3,239.19	10	2,861.36	10	2,483.40
1/4		1/4		1/4		1/4	4,668.19	1/4	4,331.13	1/4	3,977.57	1/4	3,607.64	1/4	3,231.35	1/4	2,853.48	1/4	2,475.53
1/2		1/2		1/2		1/2	4,661.32	1/2	4,323.92	1/2	3,970.01	1/2	3,599.80	1/2	3,223.50	1/2	2,845.61	1/2	2,467.65
3/4		3/4		3/4		3/4	4,654.45	3/4	4,316.71	3/4	3,962.46	3/4	3,591.96	3/4	3,215.65	3/4	2,837.74	3/4	2,459.78
11		11		11		11	4,647.58	11	4,309.50	11	3,954.90	11	3,584.12	11	3,207.80	11	2,829.86	11	2,451.91
1/4		1/4		1/4		1/4	4,640.71	1/4	4,302.29	1/4	3,947.35	1/4	3,576.28	1/4	3,199.95	1/4	2,821.99	1/4	2,444.03
1/2		1/2		1/2		1/2	4,633.82	1/2	4,295.05	1/2	3,939.77	1/2	3,568.44	1/2	3,192.07	1/2	2,814.11	1/2	2,436.16
3/4		3/4		3/4		3/4	4,959.43	3/4	4,626.93	3/4	4,287.81	3/4	3,932.18	3/4	3,560.60	3/4	3,184.20	3/4	2,428.28

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 51'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 28192"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,420.41	0	2,042.45	0	1,664.50	0	1,286.54	0	908.88	0	531.05	0	182.79	0		0		0	
1/4	2,412.54	1/4	2,034.58	1/4	1,656.62	1/4	1,278.66	1/4	901.02	1/4	523.19	1/4	176.16	1/4	1/4	1/4		1/4	1/4
1/2	2,404.66	1/2	2,026.70	1/2	1,648.75	1/2	1,270.79	1/2	893.16	1/2	515.37	1/2	169.65	1/2	1/2	1/2		1/2	1/2
3/4	2,396.79	3/4	2,018.83	3/4	1,640.87	3/4	1,262.92	3/4	885.29	3/4	507.56	3/4	163.13	3/4	3/4	3/4		3/4	3/4
1	2,388.91	1	2,010.96	1	1,633.00	1	1,255.04	1	877.43	1	499.74	1	156.61	1	1	1		1	1
1/4	2,381.04	1/4	2,003.08	1/4	1,625.13	1/4	1,247.17	1/4	869.57	1/4	491.93	1/4	150.09	1/4	1/4	1/4		1/4	1/4
1/2	2,373.16	1/2	1,995.21	1/2	1,617.25	1/2	1,239.29	1/2	861.70	1/2	484.20	1/2	143.69	1/2	1/2	1/2		1/2	1/2
3/4	2,365.29	3/4	1,987.33	3/4	1,609.38	3/4	1,231.42	3/4	853.84	3/4	476.48	3/4	137.29	3/4	3/4	3/4		3/4	3/4
2	2,357.42	2	1,979.46	2	1,601.50	2	1,223.55	2	845.97	2	468.76	2	130.89	2	2	2		2	2
1/4	2,349.54	1/4	1,971.59	1/4	1,593.63	1/4	1,215.67	1/4	838.11	1/4	461.03	1/4	124.48	1/4	1/4	1/4		1/4	1/4
1/2	2,341.67	1/2	1,963.71	1/2	1,585.75	1/2	1,207.80	1/2	830.23	1/2	453.42	1/2	118.20	1/2	1/2	1/2		1/2	1/2
3/4	2,333.79	3/4	1,955.84	3/4	1,577.88	3/4	1,199.92	3/4	822.36	3/4	445.81	3/4	111.92	3/4	3/4	3/4		3/4	3/4
3	2,325.92	3	1,947.96	3	1,570.01	3	1,192.05	3	814.48	3	438.19	3	105.64	3	3	3		3	3
1/4	2,318.05	1/4	1,940.09	1/4	1,562.13	1/4	1,184.18	1/4	806.61	1/4	430.58	1/4	99.36	1/4	1/4	1/4		1/4	1/4
1/2	2,310.17	1/2	1,932.22	1/2	1,554.26	1/2	1,176.30	1/2	798.74	1/2	423.07	1/2	93.21	1/2	1/2	1/2		1/2	1/2
3/4	2,302.30	3/4	1,924.34	3/4	1,546.38	3/4	1,168.43	3/4	790.86	3/4	415.57	3/4	87.06	3/4	3/4	3/4		3/4	3/4
4	2,294.42	4	1,916.47	4	1,538.51	4	1,160.55	4	782.99	4	408.06	4	80.91	4	4	4		4	4
1/4	2,286.55	1/4	1,908.59	1/4	1,530.64	1/4	1,152.68	1/4	775.11	1/4	400.56	1/4	74.75	1/4	1/4	1/4		1/4	1/4
1/2	2,278.68	1/2	1,900.72	1/2	1,522.76	1/2	1,144.81	1/2	767.24	1/2	393.16	1/2	68.74	1/2	1/2	1/2		1/2	1/2
3/4	2,270.80	3/4	1,892.84	3/4	1,514.89	3/4	1,136.93	3/4	759.37	3/4	385.77	3/4	62.73	3/4	3/4	3/4		3/4	3/4
5	2,262.93	5	1,884.97	5	1,507.01	5	1,129.06	5	751.49	5	378.37	5	56.72	5	5	5		5	5
1/4	2,255.05	1/4	1,877.10	1/4	1,499.14	1/4	1,121.18	1/4	743.62	1/4	370.98	1/4	50.71	1/4	1/4	1/4		1/4	1/4
1/2	2,247.18	1/2	1,869.22	1/2	1,491.27	1/2	1,113.31	1/2	735.74	1/2	363.69	1/2	45.30	1/2	1/2	1/2		1/2	1/2
3/4	2,239.31	3/4	1,861.35	3/4	1,483.39	3/4	1,105.44	3/4	727.87	3/4	356.41	3/4	39.88	3/4	3/4	3/4		3/4	3/4
6	2,231.43	6	1,853.47	6	1,475.52	6	1,097.58	6	720.00	6	349.12	6	34.46	6	6	6		6	6
1/4	2,223.56	1/4	1,845.60	1/4	1,467.64	1/4	1,089.71	1/4	712.12	1/4	341.83	1/4	29.04	1/4	1/4	1/4		1/4	1/4
1/2	2,215.68	1/2	1,837.73	1/2	1,459.77	1/2	1,081.84	1/2	704.25	1/2	334.66	1/2	25.08	1/2	1/2	1/2		1/2	1/2
3/4	2,207.81	3/4	1,829.85	3/4	1,451.90	3/4	1,073.98	3/4	696.38	3/4	327.48	3/4	21.12	3/4	3/4	3/4		3/4	3/4
7	2,199.93	7	1,821.98	7	1,444.02	7	1,066.12	7	688.50	7	320.30	7	17.15	7	7	7		7	7
1/4	2,192.06	1/4	1,814.10	1/4	1,436.15	1/4	1,058.26	1/4	680.63	1/4	313.13	1/4	13.19	1/4	1/4	1/4		1/4	1/4
1/2	2,184.19	1/2	1,806.23	1/2	1,428.27	1/2	1,050.40	1/2	672.75	1/2	306.06	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,176.31	3/4	1,798.36	3/4	1,420.40	3/4	1,042.53	3/4	664.88	3/4	298.99	3/4		3/4	3/4	3/4		3/4	3/4
8	2,168.44	8	1,790.48	8	1,412.52	8	1,034.67	8	657.01	8	291.93	8		8	8	8		8	8
1/4	2,160.56	1/4	1,782.61	1/4	1,404.65	1/4	1,026.81	1/4	649.13	1/4	284.86	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,152.69	1/2	1,774.73	1/2	1,396.78	1/2	1,018.95	1/2	641.26	1/2	277.90	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,144.82	3/4	1,766.86	3/4	1,388.90	3/4	1,011.09	3/4	633.38	3/4	270.94	3/4		3/4	3/4	3/4		3/4	3/4
9	2,136.94	9	1,758.98	9	1,381.03	9	1,003.22	9	625.51	9	263.99	9		9	9	9		9	9
1/4	2,129.07	1/4	1,751.11	1/4	1,373.15	1/4	995.36	1/4	617.64	1/4	257.03	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,121.19	1/2	1,743.24	1/2	1,365.28	1/2	987.50	1/2	609.76	1/2	250.18	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,113.32	3/4	1,735.36	3/4	1,357.41	3/4	979.64	3/4	601.89	3/4	243.33	3/4		3/4	3/4	3/4		3/4	3/4
10	2,105.45	10	1,727.49	10	1,349.53	10	971.78	10	594.01	10	236.48	10		10	10	10		10	10
1/4	2,097.57	1/4	1,719.61	1/4	1,341.66	1/4	963.91	1/4	586.14	1/4	229.64	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,089.70	1/2	1,711.74	1/2	1,333.78	1/2	956.05	1/2	578.27	1/2	222.90	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,081.82	3/4	1,703.87	3/4	1,325.91	3/4	948.19	3/4	570.39	3/4	216.16	3/4		3/4	3/4	3/4		3/4	3/4
11	2,073.95	11	1,695.99	11	1,318.04	11	940.33	11	562.52	11	209.42	11		11	11	11		11	11
1/4	2,066.07	1/4	1,688.12	1/4	1,310.16	1/4	932.47	1/4	554.64	1/4	202.68	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,058.20	1/2	1,680.24	1/2	1,302.29	1/2	924.60	1/2	546.78	1/2	196.05	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,050.33	3/4	1,672.37	3/4	1,294.41	3/4	916.74	3/4	538.92	3/4	189.42	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2012 CL - SW
CALCULATED: 05/05/2012 CL
PRINTED: 05/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

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



BARGE "KIRBY 28192"

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

Table with 18 columns (IN, 0 FT., IN, 1 FT., IN, 2 FT., IN, 3 FT., IN, 4 FT., IN, 5 FT., IN, 6 FT., IN, 7 FT., IN, 8 FT., IN, 9 FT.) and 18 rows (0 to 11). Each row contains capacity values for different gauge heights (1/4, 1/2, 3/4).

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 51'-06" FORWARD OF AFT BULKHEAD.

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BARGE "KIRBY 28192"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	2,327.48	0	1,968.48	0	1,609.49	0	1,260.53	0	915.61	0	557.00	0	198.02	0		0		0	
1/4	2,320.00	1/4	1,961.00	1/4	1,602.01	1/4	1,253.33	1/4	908.32	1/4	549.52	1/4	190.54	1/4	1/4	1/4		1/4	1/4
1/2	2,312.52	1/2	1,953.52	1/2	1,594.53	1/2	1,246.14	1/2	901.03	1/2	542.04	1/2	183.07	1/2	1/2	1/2		1/2	1/2
3/4	2,305.04	3/4	1,946.05	3/4	1,587.05	3/4	1,238.94	3/4	893.55	3/4	534.56	3/4	175.60	3/4	3/4	3/4		3/4	3/4
1	2,297.56	1	1,938.57	1	1,579.57	1	1,231.75	1	886.07	1	527.09	1	168.13	1	1	1		1	1
1/4	2,290.08	1/4	1,931.09	1/4	1,572.09	1/4	1,224.55	1/4	878.59	1/4	519.61	1/4	160.65	1/4	1/4	1/4		1/4	1/4
1/2	2,282.60	1/2	1,923.61	1/2	1,564.61	1/2	1,217.35	1/2	871.12	1/2	512.13	1/2	153.18	1/2	1/2	1/2		1/2	1/2
3/4	2,275.13	3/4	1,916.13	3/4	1,557.13	3/4	1,210.16	3/4	863.64	3/4	504.65	3/4	145.72	3/4	3/4	3/4		3/4	3/4
2	2,267.65	2	1,908.65	2	1,549.65	2	1,202.97	2	856.16	2	497.17	2	138.27	2	2	2		2	2
1/4	2,260.17	1/4	1,901.17	1/4	1,542.17	1/4	1,195.78	1/4	848.68	1/4	489.69	1/4	130.81	1/4	1/4	1/4		1/4	1/4
1/2	2,252.69	1/2	1,893.69	1/2	1,534.69	1/2	1,188.59	1/2	841.20	1/2	482.21	1/2	123.35	1/2	1/2	1/2		1/2	1/2
3/4	2,245.21	3/4	1,886.21	3/4	1,527.32	3/4	1,181.40	3/4	833.72	3/4	474.73	3/4	115.91	3/4	3/4	3/4		3/4	3/4
3	2,237.73	3	1,878.73	3	1,519.95	3	1,174.22	3	826.24	3	467.25	3	108.47	3	3	3		3	3
1/4	2,230.25	1/4	1,871.25	1/4	1,512.57	1/4	1,167.04	1/4	818.76	1/4	459.78	1/4	101.02	1/4	1/4	1/4		1/4	1/4
1/2	2,222.77	1/2	1,863.78	1/2	1,505.20	1/2	1,159.85	1/2	811.28	1/2	452.30	1/2	93.58	1/2	1/2	1/2		1/2	1/2
3/4	2,215.29	3/4	1,856.30	3/4	1,498.00	3/4	1,152.67	3/4	803.81	3/4	444.82	3/4	86.17	3/4	3/4	3/4		3/4	3/4
4	2,207.81	4	1,848.82	4	1,490.81	4	1,145.49	4	796.33	4	437.34	4	78.76	4	4	4		4	4
1/4	2,200.33	1/4	1,841.34	1/4	1,483.61	1/4	1,138.31	1/4	788.85	1/4	429.86	1/4	71.35	1/4	1/4	1/4		1/4	1/4
1/2	2,192.86	1/2	1,833.86	1/2	1,476.42	1/2	1,131.13	1/2	781.37	1/2	422.38	1/2	63.94	1/2	1/2	1/2		1/2	1/2
3/4	2,185.38	3/4	1,826.38	3/4	1,469.22	3/4	1,123.95	3/4	773.89	3/4	414.90	3/4	56.99	3/4	3/4	3/4		3/4	3/4
5	2,177.90	5	1,818.90	5	1,462.02	5	1,116.77	5	766.41	5	407.42	5	50.04	5	5	5		5	5
1/4	2,170.42	1/4	1,811.42	1/4	1,454.83	1/4	1,109.60	1/4	758.93	1/4	399.94	1/4	43.09	1/4	1/4	1/4		1/4	1/4
1/2	2,162.94	1/2	1,803.94	1/2	1,447.63	1/2	1,102.42	1/2	751.45	1/2	392.47	1/2	36.14	1/2	1/2	1/2		1/2	1/2
3/4	2,155.46	3/4	1,796.46	3/4	1,440.44	3/4	1,095.25	3/4	743.97	3/4	384.99	3/4	30.84	3/4	3/4	3/4		3/4	3/4
6	2,147.98	6	1,788.98	6	1,433.24	6	1,088.07	6	736.50	6	377.51	6	25.55	6	6	6		6	6
1/4	2,140.50	1/4	1,781.51	1/4	1,426.04	1/4	1,080.89	1/4	729.02	1/4	370.03	1/4	20.26	1/4	1/4	1/4		1/4	1/4
1/2	2,133.02	1/2	1,774.03	1/2	1,418.85	1/2	1,073.72	1/2	721.54	1/2	362.55	1/2	14.96	1/2	1/2	1/2		1/2	1/2
3/4	2,125.54	3/4	1,766.55	3/4	1,411.65	3/4	1,066.54	3/4	714.06	3/4	355.07	3/4		3/4	3/4	3/4		3/4	3/4
7	2,118.06	7	1,759.07	7	1,404.45	7	1,059.36	7	706.58	7	347.59	7		7	7	7		7	7
1/4	2,110.59	1/4	1,751.59	1/4	1,397.26	1/4	1,052.19	1/4	699.10	1/4	340.11	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,103.11	1/2	1,744.11	1/2	1,390.06	1/2	1,045.01	1/2	691.62	1/2	332.63	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,095.63	3/4	1,736.63	3/4	1,382.87	3/4	1,037.84	3/4	684.14	3/4	325.16	3/4		3/4	3/4	3/4		3/4	3/4
8	2,088.15	8	1,729.15	8	1,375.67	8	1,030.66	8	676.66	8	317.68	8		8	8	8		8	8
1/4	2,080.67	1/4	1,721.67	1/4	1,368.47	1/4	1,023.48	1/4	669.19	1/4	310.20	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,073.19	1/2	1,714.19	1/2	1,361.28	1/2	1,016.31	1/2	661.71	1/2	302.72	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,065.71	3/4	1,706.71	3/4	1,354.08	3/4	1,009.13	3/4	654.23	3/4	295.24	3/4		3/4	3/4	3/4		3/4	3/4
9	2,058.23	9	1,699.24	9	1,346.88	9	1,001.95	9	646.75	9	287.76	9		9	9	9		9	9
1/4	2,050.75	1/4	1,691.76	1/4	1,339.69	1/4	994.78	1/4	639.27	1/4	280.28	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,043.27	1/2	1,684.28	1/2	1,332.49	1/2	987.60	1/2	631.79	1/2	272.80	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,035.79	3/4	1,676.80	3/4	1,325.30	3/4	980.42	3/4	624.31	3/4	265.32	3/4		3/4	3/4	3/4		3/4	3/4
10	2,028.32	10	1,669.32	10	1,318.10	10	973.25	10	616.83	10	257.85	10		10	10	10		10	10
1/4	2,020.84	1/4	1,661.84	1/4	1,310.90	1/4	966.07	1/4	609.35	1/4	250.37	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,013.36	1/2	1,654.36	1/2	1,303.71	1/2	958.90	1/2	601.87	1/2	242.89	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,005.88	3/4	1,646.88	3/4	1,296.51	3/4	951.72	3/4	594.40	3/4	235.41	3/4		3/4	3/4	3/4		3/4	3/4
11	1,998.40	11	1,639.40	11	1,289.31	11	944.54	11	586.92	11	227.93	11		11	11	11		11	11
1/4	1,990.92	1/4	1,631.92	1/4	1,282.12	1/4	937.37	1/4	579.44	1/4	220.45	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,983.44	1/2	1,624.44	1/2	1,274.92	1/2	930.19	1/2	571.96	1/2	212.97	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,975.96	3/4	1,616.97	3/4	1,267.73	3/4	922.90	3/4	564.48	3/4	205.50	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2012 CL - SW
CALCULATED: 05/05/2012 CL
PRINTED: 05/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

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



BARGE "KIRBY 28192"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,785.13	0	4,466.63	0	4,142.84	0	3,803.93	0	3,450.47	0	3,092.79	0	2,733.71
1/4		1/4		1/4		1/4	4,780.02	1/4	4,460.05	1/4	4,135.94	1/4	3,796.72	1/4	3,443.02	1/4	3,085.31	1/4	2,726.22
1/2		1/2		1/2		1/2	4,773.68	1/2	4,453.44	1/2	4,129.02	1/2	3,789.48	1/2	3,435.57	1/2	3,077.83	1/2	2,718.74
3/4		3/4		3/4		3/4	4,767.34	3/4	4,446.84	3/4	4,122.10	3/4	3,782.24	3/4	3,428.12	3/4	3,070.35	3/4	2,711.26
1		1		1		1	4,440.99	1	4,115.18	1	3,774.99	1	3,420.67	1	3,062.87	1	2,703.78		
1/4		1/4		1/4		1/4	4,754.65	1/4	4,433.63	1/4	4,108.26	1/4	3,767.75	1/4	3,413.22	1/4	3,055.39	1/4	2,696.30
1/2		1/2		1/2		1/2	4,747.42	1/2	4,426.99	1/2	4,101.31	1/2	3,760.49	1/2	3,405.78	1/2	3,047.91	1/2	2,688.82
3/4		3/4		3/4		3/4	4,740.19	3/4	4,420.36	3/4	4,094.36	3/4	3,753.23	3/4	3,398.33	3/4	3,040.43	3/4	2,681.34
2		2		2		2	4,732.97	2	4,413.73	2	4,087.41	2	3,745.96	2	3,390.88	2	3,032.95	2	2,673.86
1/4		1/4		1/4		1/4	4,725.74	1/4	4,407.10	1/4	4,080.47	1/4	3,738.70	1/4	3,383.43	1/4	3,025.46	1/4	2,666.38
1/2		1/2		1/2		1/2	4,718.29	1/2	4,400.44	1/2	4,073.49	1/2	3,731.41	1/2	3,375.98	1/2	3,017.98	1/2	2,658.90
3/4		3/4		3/4		3/4	4,710.84	3/4	4,393.78	3/4	4,066.52	3/4	3,724.12	3/4	3,368.53	3/4	3,010.50	3/4	2,651.41
3		3		3		3	4,703.39	3	4,387.12	3	4,059.54	3	3,716.83	3	3,361.08	3	3,003.02	3	2,643.93
1/4		1/4		1/4		1/4	4,695.94	1/4	4,380.46	1/4	4,052.57	1/4	3,709.54	1/4	3,353.63	1/4	2,995.54	1/4	2,636.45
1/2		1/2		1/2		1/2	4,688.89	1/2	4,373.78	1/2	4,045.57	1/2	3,702.23	1/2	3,346.18	1/2	2,988.06	1/2	2,628.97
3/4		3/4		3/4		3/4	4,681.84	3/4	4,367.09	3/4	4,038.57	3/4	3,694.91	3/4	3,338.74	3/4	2,980.58	3/4	2,621.49
4		4		4		4	4,674.79	4	4,360.40	4	4,031.57	4	3,687.60	4	3,331.29	4	2,973.10	4	2,614.01
1/4		1/4		1/4		1/4	4,667.74	1/4	4,353.72	1/4	4,024.57	1/4	3,680.28	1/4	3,323.84	1/4	2,965.62	1/4	2,606.53
1/2		1/2		1/2		1/2	4,661.34	1/2	4,347.01	1/2	4,017.54	1/2	3,672.94	1/2	3,316.39	1/2	2,958.14	1/2	2,599.05
3/4		3/4		3/4		3/4	4,654.94	3/4	4,340.29	3/4	4,010.51	3/4	3,665.60	3/4	3,308.94	3/4	2,950.65	3/4	2,591.57
5		5		5		5	4,648.54	5	4,333.58	5	4,003.48	5	3,658.25	5	3,301.49	5	2,943.17	5	2,584.09
1/4		1/4		1/4		1/4	4,642.15	1/4	4,326.87	1/4	3,996.46	1/4	3,650.91	1/4	3,294.04	1/4	2,935.69	1/4	2,576.60
1/2		1/2		1/2		1/2	4,635.72	1/2	4,320.13	1/2	3,989.40	1/2	3,643.54	1/2	3,286.59	1/2	2,928.21	1/2	2,569.12
3/4		3/4		3/4		3/4	4,629.30	3/4	4,313.39	3/4	3,982.35	3/4	3,636.17	3/4	3,279.15	3/4	2,920.73	3/4	2,561.64
6		6		6		6	4,622.88	6	4,306.65	6	3,975.30	6	3,628.81	6	3,271.70	6	2,913.25	6	2,554.16
1/4		1/4		1/4		1/4	4,616.45	1/4	4,299.92	1/4	3,968.24	1/4	3,621.44	1/4	3,264.25	1/4	2,905.77	1/4	2,546.68
1/2		1/2		1/2		1/2	4,610.00	1/2	4,293.15	1/2	3,961.16	1/2	3,614.04	1/2	3,256.80	1/2	2,898.29	1/2	2,539.20
3/4		3/4		3/4		3/4	4,603.55	3/4	4,286.38	3/4	3,954.08	3/4	3,606.65	3/4	3,249.35	3/4	2,890.81	3/4	2,531.72
7		7		7		7	4,597.10	7	4,279.62	7	3,947.00	7	3,599.25	7	3,241.90	7	2,883.33	7	2,524.24
1/4		1/4		1/4		1/4	4,590.65	1/4	4,272.85	1/4	3,939.92	1/4	3,591.86	1/4	3,234.45	1/4	2,875.84	1/4	2,516.76
1/2		1/2		1/2		1/2	4,584.17	1/2	4,266.06	1/2	3,932.82	1/2	3,584.43	1/2	3,227.00	1/2	2,868.36	1/2	2,509.28
3/4		3/4		3/4		3/4	4,577.69	3/4	4,259.27	3/4	3,925.71	3/4	3,577.01	3/4	3,219.56	3/4	2,860.88	3/4	2,501.79
8		8		8		8	4,571.22	8	4,252.48	8	3,918.60	8	3,569.59	8	3,212.11	8	2,853.40	8	2,494.31
1/4		1/4		1/4		1/4	4,564.74	1/4	4,245.68	1/4	3,911.50	1/4	3,562.17	1/4	3,204.66	1/4	2,845.92	1/4	2,486.83
1/2		1/2		1/2		1/2	4,558.24	1/2	4,238.87	1/2	3,904.36	1/2	3,554.73	1/2	3,197.21	1/2	2,838.44	1/2	2,479.35
3/4		3/4		3/4		3/4	4,551.73	3/4	4,232.05	3/4	3,897.23	3/4	3,547.29	3/4	3,189.76	3/4	2,830.96	3/4	2,471.87
9		9		9		9	4,545.23	9	4,225.23	9	3,890.09	9	3,539.85	9	3,182.31	9	2,823.48	9	2,464.39
1/4		1/4		1/4		1/4	4,538.72	1/4	4,218.41	1/4	3,882.96	1/4	3,532.40	1/4	3,174.86	1/4	2,816.00	1/4	2,456.91
1/2		1/2		1/2		1/2	4,532.19	1/2	4,211.57	1/2	3,875.80	1/2	3,524.96	1/2	3,167.41	1/2	2,808.52	1/2	2,449.43
3/4		3/4		3/4		3/4	4,525.66	3/4	4,204.72	3/4	3,868.64	3/4	3,517.51	3/4	3,159.96	3/4	2,801.03	3/4	2,441.95
10		10		10		10	4,519.13	10	4,197.87	10	3,861.48	10	3,510.06	10	3,152.52	10	2,793.55	10	2,434.47
1/4		1/4		1/4		1/4	4,512.60	1/4	4,191.03	1/4	3,854.32	1/4	3,502.61	1/4	3,145.07	1/4	2,786.07	1/4	2,426.98
1/2		1/2		1/2		1/2	4,506.04	1/2	4,184.16	1/2	3,847.13	1/2	3,495.16	1/2	3,137.61	1/2	2,778.59	1/2	2,419.50
3/4		3/4		3/4		3/4	4,499.49	3/4	4,177.28	3/4	3,839.95	3/4	3,487.71	3/4	3,130.15	3/4	2,771.11	3/4	2,412.02
11		11		11		11	4,492.93	11	4,170.41	11	3,832.76	11	3,480.26	11	3,122.69	11	2,763.63	11	2,404.54
1/4		1/4		1/4		1/4	4,486.37	1/4	4,163.54	1/4	3,825.57	1/4	3,472.81	1/4	3,115.24	1/4	2,756.15	1/4	2,397.06
1/2		1/2		1/2		1/2	4,479.79	1/2	4,156.64	1/2	3,818.36	1/2	3,465.37	1/2	3,107.76	1/2	2,748.67	1/2	2,389.58
3/4		3/4		3/4		3/4	4,473.21	3/4	4,149.74	3/4	3,811.14	3/4	3,457.92	3/4	3,100.28	3/4	2,741.19	3/4	2,382.10

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 51'-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 28192"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,374.62	0	2,015.53	0	1,656.44	0	1,297.35	0	938.56	0	579.58	0	220.51	0		0		0	
1/4	2,367.14	1/4	2,008.05	1/4	1,648.96	1/4	1,289.87	1/4	931.10	1/4	572.10	1/4	213.02	1/4	1/4		1/4		1/4
1/2	2,359.66	1/2	2,000.57	1/2	1,641.48	1/2	1,282.39	1/2	923.63	1/2	564.62	1/2	205.55	1/2	1/2		1/2		1/2
3/4	2,352.17	3/4	1,993.09	3/4	1,634.00	3/4	1,274.91	3/4	916.16	3/4	557.14	3/4	198.07	3/4	3/4		3/4		3/4
1	2,344.69	1	1,985.61	1	1,626.52	1	1,267.43	1	908.69	1	549.66	1	190.59	1	1		1		1
1/4	2,337.21	1/4	1,978.12	1/4	1,619.04	1/4	1,259.95	1/4	901.22	1/4	542.17	1/4	183.11	1/4	1/4		1/4		1/4
1/2	2,329.73	1/2	1,970.64	1/2	1,611.56	1/2	1,252.47	1/2	893.75	1/2	534.69	1/2	175.64	1/2	1/2		1/2		1/2
3/4	2,322.25	3/4	1,963.16	3/4	1,604.07	3/4	1,244.99	3/4	886.27	3/4	527.21	3/4	168.17	3/4	3/4		3/4		3/4
2	2,314.77	2	1,955.68	2	1,596.59	2	1,237.51	2	878.80	2	519.73	2	160.69	2	2		2		2
1/4	2,307.29	1/4	1,948.20	1/4	1,589.11	1/4	1,230.02	1/4	871.33	1/4	512.25	1/4	153.22	1/4	1/4		1/4		1/4
1/2	2,299.81	1/2	1,940.72	1/2	1,581.63	1/2	1,222.54	1/2	863.85	1/2	504.77	1/2	145.76	1/2	1/2		1/2		1/2
3/4	2,292.33	3/4	1,933.24	3/4	1,574.15	3/4	1,215.06	3/4	856.36	3/4	497.29	3/4	138.30	3/4	3/4		3/4		3/4
3	2,284.85	3	1,925.76	3	1,566.67	3	1,207.58	3	848.88	3	489.81	3	130.84	3	3		3		3
1/4	2,277.36	1/4	1,918.28	1/4	1,559.19	1/4	1,200.10	1/4	841.40	1/4	482.33	1/4	123.38	1/4	1/4		1/4		1/4
1/2	2,269.88	1/2	1,910.80	1/2	1,551.71	1/2	1,192.62	1/2	833.92	1/2	474.85	1/2	115.93	1/2	1/2		1/2		1/2
3/4	2,262.40	3/4	1,903.31	3/4	1,544.23	3/4	1,185.14	3/4	826.44	3/4	467.37	3/4	108.49	3/4	3/4		3/4		3/4
4	2,254.92	4	1,895.83	4	1,536.75	4	1,177.66	4	818.96	4	459.89	4	101.05	4	4		4		4
1/4	2,247.44	1/4	1,888.35	1/4	1,529.26	1/4	1,170.18	1/4	811.48	1/4	452.41	1/4	93.61	1/4	1/4		1/4		1/4
1/2	2,239.96	1/2	1,880.87	1/2	1,521.78	1/2	1,162.70	1/2	804.00	1/2	444.93	1/2	86.19	1/2	1/2		1/2		1/2
3/4	2,232.48	3/4	1,873.39	3/4	1,514.30	3/4	1,155.21	3/4	796.52	3/4	437.45	3/4	78.78	3/4	3/4		3/4		3/4
5	2,225.00	5	1,865.91	5	1,506.82	5	1,147.73	5	789.04	5	429.96	5	71.37	5	5		5		5
1/4	2,217.52	1/4	1,858.43	1/4	1,499.34	1/4	1,140.25	1/4	781.56	1/4	422.48	1/4	63.96	1/4	1/4		1/4		1/4
1/2	2,210.04	1/2	1,850.95	1/2	1,491.86	1/2	1,132.78	1/2	774.08	1/2	415.00	1/2	57.01	1/2	1/2		1/2		1/2
3/4	2,202.55	3/4	1,843.47	3/4	1,484.38	3/4	1,125.30	3/4	766.60	3/4	407.52	3/4	50.05	3/4	3/4		3/4		3/4
6	2,195.07	6	1,835.99	6	1,476.90	6	1,117.82	6	759.12	6	400.04	6	43.10	6	6		6		6
1/4	2,187.59	1/4	1,828.50	1/4	1,469.42	1/4	1,110.35	1/4	751.63	1/4	392.56	1/4	36.15	1/4	1/4		1/4		1/4
1/2	2,180.11	1/2	1,821.02	1/2	1,461.94	1/2	1,102.88	1/2	744.15	1/2	385.08	1/2	30.85	1/2	1/2		1/2		1/2
3/4	2,172.63	3/4	1,813.54	3/4	1,454.45	3/4	1,095.41	3/4	736.67	3/4	377.60	3/4	25.56	3/4	3/4		3/4		3/4
7	2,165.15	7	1,806.06	7	1,446.97	7	1,087.94	7	729.19	7	370.12	7	20.26	7	7		7		7
1/4	2,157.67	1/4	1,798.58	1/4	1,439.49	1/4	1,080.47	1/4	721.71	1/4	362.64	1/4	14.96	1/4	1/4		1/4		1/4
1/2	2,150.19	1/2	1,791.10	1/2	1,432.01	1/2	1,073.00	1/2	714.23	1/2	355.16	1/2		1/2	1/2		1/2		1/2
3/4	2,142.71	3/4	1,783.62	3/4	1,424.53	3/4	1,065.53	3/4	706.75	3/4	347.68	3/4		3/4	3/4		3/4		3/4
8	2,135.23	8	1,776.14	8	1,417.05	8	1,058.07	8	699.27	8	340.20	8		8	8		8		8
1/4	2,127.74	1/4	1,768.66	1/4	1,409.57	1/4	1,050.60	1/4	691.79	1/4	332.72	1/4		1/4	1/4		1/4		1/4
1/2	2,120.26	1/2	1,761.18	1/2	1,402.09	1/2	1,043.13	1/2	684.31	1/2	325.23	1/2		1/2	1/2		1/2		1/2
3/4	2,112.78	3/4	1,753.69	3/4	1,394.61	3/4	1,035.66	3/4	676.83	3/4	317.75	3/4		3/4	3/4		3/4		3/4
9	2,105.30	9	1,746.21	9	1,387.13	9	1,028.19	9	669.35	9	310.27	9		9	9		9		9
1/4	2,097.82	1/4	1,738.73	1/4	1,379.64	1/4	1,020.72	1/4	661.87	1/4	302.79	1/4		1/4	1/4		1/4		1/4
1/2	2,090.34	1/2	1,731.25	1/2	1,372.16	1/2	1,013.25	1/2	654.39	1/2	295.31	1/2		1/2	1/2		1/2		1/2
3/4	2,082.86	3/4	1,723.77	3/4	1,364.68	3/4	1,005.78	3/4	646.90	3/4	287.83	3/4		3/4	3/4		3/4		3/4
10	2,075.38	10	1,716.29	10	1,357.20	10	998.32	10	639.42	10	280.35	10		10	10		10		10
1/4	2,067.90	1/4	1,708.81	1/4	1,349.72	1/4	990.85	1/4	631.94	1/4	272.87	1/4		1/4	1/4		1/4		1/4
1/2	2,060.42	1/2	1,701.33	1/2	1,342.24	1/2	983.38	1/2	624.46	1/2	265.39	1/2		1/2	1/2		1/2		1/2
3/4	2,052.93	3/4	1,693.85	3/4	1,334.76	3/4	975.91	3/4	616.98	3/4	257.91	3/4		3/4	3/4		3/4		3/4
11	2,045.45	11	1,686.37	11	1,327.28	11	968.44	11	609.50	11	250.43	11		11	11		11		11
1/4	2,037.97	1/4	1,678.88	1/4	1,319.80	1/4	960.97	1/4	602.02	1/4	242.95	1/4		1/4	1/4		1/4		1/4
1/2	2,030.49	1/2	1,671.40	1/2	1,312.32	1/2	953.50	1/2	594.54	1/2	235.47	1/2		1/2	1/2		1/2		1/2
3/4	2,023.01	3/4	1,663.92	3/4	1,304.83	3/4	946.03	3/4	587.06	3/4	227.99	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2012 CL - SW
CALCULATED: 05/05/2012 CL
PRINTED: 05/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

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



BARGE "KIRBY 28192"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
1/4		1/4		1/4		1/4	4,347.39	1/4	4,104.70	1/4	3,857.35	1/4	3,598.01	1/4	3,325.42	1/4	2,969.33	1/4	2,612.63		
1/2		1/2		1/2		1/2	4,343.23	1/2	4,099.67	1/2	3,852.06	1/2	3,592.47	1/2	3,317.98	1/2	2,961.90	1/2	2,605.20		
3/4		3/4		3/4		3/4	4,339.08	3/4	4,094.64	3/4	3,846.78	3/4	3,586.93	3/4	3,310.55	3/4	2,954.47	3/4	2,597.76		
1		1		1		1	4,334.92	1	4,089.61	1	3,841.50	1	3,581.40	1	3,303.11	1	2,947.04	1	2,590.33		
1/4		1/4		1/4		1/4	4,329.56	1/4	4,084.55	1/4	3,836.19	1/4	3,575.84	1/4	3,295.68	1/4	2,939.61	1/4	2,582.90		
1/2		1/2		1/2		1/2	4,324.20	1/2	4,079.50	1/2	3,830.89	1/2	3,570.29	1/2	3,288.25	1/2	2,932.18	1/2	2,575.47		
3/4		3/4		3/4		3/4	4,318.84	3/4	4,074.44	3/4	3,825.59	3/4	3,564.73	3/4	3,280.81	3/4	2,924.75	3/4	2,568.04		
2		2		2		2	4,313.48	2	4,069.39	2	3,820.29	2	3,559.18	2	3,273.38	2	2,917.31	2	2,560.61		
1/4		1/4		1/4		1/4	4,307.77	1/4	4,064.32	1/4	3,814.96	1/4	3,553.61	1/4	3,265.94	1/4	2,909.88	1/4	2,553.18		
1/2		1/2		1/2		1/2	4,302.06	1/2	4,059.24	1/2	3,809.64	1/2	3,548.04	1/2	3,258.51	1/2	2,902.45	1/2	2,545.74		
3/4		3/4		3/4		3/4	4,296.36	3/4	4,054.17	3/4	3,804.31	3/4	3,542.46	3/4	3,251.07	3/4	2,895.02	3/4	2,538.31		
3		3		3		3	4,290.65	3	4,049.10	3	3,798.99	3	3,536.89	3	3,243.64	3	2,887.59	3	2,530.88		
1/4		1/4		1/4		1/4	4,284.94	1/4	4,044.00	1/4	3,793.64	1/4	3,531.29	1/4	3,236.20	1/4	2,880.16	1/4	2,523.45		
1/2		1/2		1/2		1/2	4,279.23	1/2	4,038.91	1/2	3,788.30	1/2	3,525.70	1/2	3,228.77	1/2	2,872.73	1/2	2,516.02		
3/4		3/4		3/4		3/4	4,273.52	3/4	4,033.81	3/4	3,782.96	3/4	3,520.10	3/4	3,221.34	3/4	2,865.29	3/4	2,508.59		
4		4		4		4	4,267.81	4	4,028.71	4	3,777.61	4	3,514.51	4	3,213.90	4	2,857.86	4	2,501.16		
1/4		1/4		1/4		1/4	4,262.94	1/4	4,023.60	1/4	3,772.24	1/4	3,508.89	1/4	3,206.49	1/4	2,850.43	1/4	2,493.72		
1/2		1/2		1/2		1/2	4,258.08	1/2	4,018.48	1/2	3,766.88	1/2	3,503.28	1/2	3,199.09	1/2	2,843.00	1/2	2,486.29		
3/4		3/4		3/4		3/4	4,253.21	3/4	4,013.37	3/4	3,761.51	3/4	3,497.66	3/4	3,191.68	3/4	2,835.57	3/4	2,478.86		
5		5		5		5	4,248.34	5	4,008.26	5	3,756.14	5	3,492.05	5	3,184.27	5	2,828.14	5	2,471.43		
1/4		1/4		1/4		1/4	4,243.46	1/4	4,003.12	1/4	3,750.76	1/4	3,486.41	1/4	3,176.86	1/4	2,820.71	1/4	2,464.00		
1/2		1/2		1/2		1/2	4,238.57	1/2	3,997.98	1/2	3,745.37	1/2	3,480.77	1/2	3,169.46	1/2	2,813.27	1/2	2,456.57		
3/4		3/4		3/4		3/4	4,233.69	3/4	3,992.84	3/4	3,739.99	3/4	3,475.13	3/4	3,162.05	3/4	2,805.84	3/4	2,449.14		
6		6		6		6	4,228.80	6	3,987.70	6	3,734.60	6	3,469.50	6	3,154.64	6	2,798.41	6	2,441.70		
1/4		1/4		1/4		1/4	4,223.89	1/4	3,982.54	1/4	3,729.19	1/4	3,463.84	1/4	3,147.23	1/4	2,790.98	1/4	2,434.27		
1/2		1/2		1/2		1/2	4,218.98	1/2	3,977.39	1/2	3,723.78	1/2	3,458.18	1/2	3,139.83	1/2	2,783.55	1/2	2,426.84		
3/4		3/4		3/4		3/4	4,214.07	3/4	3,972.23	3/4	3,718.37	3/4	3,452.52	3/4	3,132.42	3/4	2,776.12	3/4	2,419.41		
7		7		7		7	4,209.16	7	3,967.07	7	3,712.96	7	3,446.87	7	3,125.01	7	2,768.69	7	2,411.98		
1/4		1/4		1/4		1/4	4,204.23	1/4	3,961.89	1/4	3,707.54	1/4	3,441.19	1/4	3,117.60	1/4	2,761.25	1/4	2,404.55		
1/2		1/2		1/2		1/2	4,199.30	1/2	3,956.71	1/2	3,702.11	1/2	3,435.51	1/2	3,110.20	1/2	2,753.82	1/2	2,397.12		
3/4		3/4		3/4		3/4	4,194.38	3/4	3,951.53	3/4	3,696.68	3/4	3,429.83	3/4	3,102.79	3/4	2,746.39	3/4	2,389.68		
8		8		8		8	4,189.45	8	3,946.35	8	3,691.25	8	3,424.15	8	3,095.38	8	2,738.96	8	2,382.25		
1/4		1/4		1/4		1/4	4,184.50	1/4	3,941.15	1/4	3,685.80	1/4	3,418.45	1/4	3,087.97	1/4	2,731.53	1/4	2,374.82		
1/2		1/2		1/2		1/2	4,179.54	1/2	3,935.95	1/2	3,680.35	1/2	3,412.75	1/2	3,080.57	1/2	2,724.10	1/2	2,367.39		
3/4		3/4		3/4		3/4	4,174.59	3/4	3,930.75	3/4	3,674.90	3/4	3,407.05	3/4	3,073.16	3/4	2,716.67	3/4	2,359.96		
9		9		9		9	4,169.64	9	3,925.55	9	3,669.45	9	3,401.35	9	3,065.75	9	2,709.23	9	2,352.53		
1/4		1/4		1/4		1/4	4,164.67	1/4	3,920.33	1/4	3,663.98	1/4	3,395.64	1/4	3,058.34	1/4	2,701.80	1/4	2,345.09		
1/2		1/2		1/2		1/2	4,159.70	1/2	3,915.11	1/2	3,658.51	1/2	3,389.94	1/2	3,050.94	1/2	2,694.37	1/2	2,337.66		
3/4		3/4		3/4		3/4	4,154.73	3/4	3,909.88	3/4	3,653.04	3/4	3,384.23	3/4	3,043.53	3/4	2,686.94	3/4	2,330.23		
10		10		10		10	4,149.76	10	3,904.66	10	3,647.57	10	3,378.52	10	3,036.12	10	2,679.51	10	2,322.80		
1/4		1/4		1/4		1/4	4,144.76	1/4	3,899.42	1/4	3,642.07	1/4	3,372.81	1/4	3,028.71	1/4	2,672.08	1/4	2,315.37		
1/2		1/2		1/2		1/2	4,139.77	1/2	3,894.18	1/2	3,636.58	1/2	3,367.10	1/2	3,021.31	1/2	2,664.65	1/2	2,307.93		
3/4		3/4		3/4		3/4	4,134.77	3/4	3,888.94	3/4	3,631.09	3/4	3,361.39	3/4	3,013.90	3/4	2,657.21	3/4	2,300.50		
11		11		11		11	4,370.09	11	4,129.78	11	3,883.70	11	3,625.59	11	3,355.69	11	3,006.49	11	2,649.78	11	2,293.07
1/4		1/4		1/4		1/4	4,365.45	1/4	4,124.76	1/4	3,878.43	1/4	3,620.08	1/4	3,349.98	1/4	2,642.35	1/4	2,285.64		
1/2		1/2		1/2		1/2	4,360.82	1/2	4,119.75	1/2	3,873.16	1/2	3,614.57	1/2	3,344.27	1/2	2,634.92	1/2	2,278.21		
3/4		3/4		3/4		3/4	4,356.18	3/4	4,114.74	3/4	3,867.90	3/4	3,609.06	3/4	3,338.56	3/4	2,627.49	3/4	2,270.77		
12		12		12		12	4,351.54	12	4,109.73	12	3,862.63	12	3,603.55	12	3,332.85	12	2,620.06	12	2,263.34		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-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 28192"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,255.91		1,898.74		1,542.56		1,186.50		841.24		483.92		126.45								
1/4	2,248.48	1/4	1,891.32	1/4	1,535.12	1/4	1,179.32	1/4	833.82	1/4	476.47	1/4	119.00	1/4		1/4		1/4			
1/2	2,241.05	1/2	1,883.90	1/2	1,527.67	1/2	1,172.14	1/2	826.39	1/2	469.03	1/2	111.56	1/2		1/2		1/2			
3/4	2,233.62	3/4	1,876.48	3/4	1,520.23	3/4	1,164.96	3/4	818.96	3/4	461.58	3/4	104.11	3/4		3/4		3/4			
1	2,226.18	1	1,869.06	1	1,512.78	1	1,157.79	1	811.54	1	454.13	1	96.98	1		1		1			
1/4	2,218.75	1/4	1,861.64	1/4	1,505.33	1/4	1,150.61	1/4	804.11	1/4	446.68	1/4	89.85	1/4		1/4		1/4			
1/2	2,211.32	1/2	1,854.22	1/2	1,497.89	1/2	1,143.43	1/2	796.69	1/2	439.24	1/2	82.71	1/2		1/2		1/2			
3/4	2,203.89	3/4	1,846.80	3/4	1,490.44	3/4	1,136.25	3/4	789.26	3/4	431.79	3/4	75.58	3/4		3/4		3/4			
2	2,196.46	2	1,839.38	2	1,483.00	2	1,129.07	2	781.81	2	424.34	2	69.39	2		2		2			
1/4	2,189.02	1/4	1,831.96	1/4	1,475.55	1/4	1,121.90	1/4	774.36	1/4	416.89	1/4	63.20	1/4		1/4		1/4			
1/2	2,181.59	1/2	1,824.54	1/2	1,468.10	1/2	1,114.72	1/2	766.92	1/2	409.45	1/2	57.01	1/2		1/2		1/2			
3/4	2,174.16	3/4	1,817.12	3/4	1,460.66	3/4	1,107.54	3/4	759.47	3/4	402.00	3/4	50.82	3/4		3/4		3/4			
3	2,166.73	3	1,809.70	3	1,453.21	3	1,100.36	3	752.02	3	394.55	3	45.89	3		3		3			
1/4	2,159.30	1/4	1,802.28	1/4	1,445.77	1/4	1,093.19	1/4	744.58	1/4	387.11	1/4	40.95	1/4		1/4		1/4			
1/2	2,151.86	1/2	1,794.86	1/2	1,438.32	1/2	1,086.01	1/2	737.13	1/2	379.66	1/2	36.02	1/2		1/2		1/2			
3/4	2,144.43	3/4	1,787.44	3/4	1,430.87	3/4	1,078.83	3/4	729.68	3/4	372.21	3/4	31.09	3/4		3/4		3/4			
4	2,136.99	4	1,780.02	4	1,423.43	4	1,071.67	4	722.23	4	364.76	4	27.42	4		4		4			
1/4	2,129.54	1/4	1,772.60	1/4	1,415.98	1/4	1,064.50	1/4	714.79	1/4	357.32	1/4	23.75	1/4		1/4		1/4			
1/2	2,122.09	1/2	1,765.18	1/2	1,408.54	1/2	1,057.34	1/2	707.34	1/2	349.87	1/2	20.08	1/2		1/2		1/2			
3/4	2,114.65	3/4	1,757.76	3/4	1,401.09	3/4	1,050.17	3/4	699.89	3/4	342.42	3/4	16.41	3/4		3/4		3/4			
5	2,107.20	5	1,750.34	5	1,393.64	5	1,043.01	5	692.44	5	334.97	5		5		5		5			
1/4	2,099.76	1/4	1,742.92	1/4	1,386.20	1/4	1,035.85	1/4	685.00	1/4	327.53	1/4		1/4		1/4		1/4			
1/2	2,092.31	1/2	1,735.50	1/2	1,378.75	1/2	1,028.68	1/2	677.55	1/2	320.08	1/2		1/2		1/2		1/2			
3/4	2,084.86	3/4	1,728.09	3/4	1,371.31	3/4	1,021.52	3/4	670.10	3/4	312.63	3/4		3/4		3/4		3/4			
6	2,077.42	6	1,720.67	6	1,363.86	6	1,014.36	6	662.66	6	305.18	6		6		6		6			
1/4	2,069.97	1/4	1,713.25	1/4	1,356.41	1/4	1,007.20	1/4	655.21	1/4	297.74	1/4		1/4		1/4		1/4			
1/2	2,062.53	1/2	1,705.83	1/2	1,348.97	1/2	1,000.04	1/2	647.76	1/2	290.29	1/2		1/2		1/2		1/2			
3/4	2,055.08	3/4	1,698.41	3/4	1,341.52	3/4	992.88	3/4	640.31	3/4	282.84	3/4		3/4		3/4		3/4			
7	2,047.63	7	1,690.99	7	1,334.08	7	985.72	7	632.87	7	275.40	7		7		7		7			
1/4	2,040.19	1/4	1,683.57	1/4	1,326.63	1/4	978.57	1/4	625.42	1/4	267.95	1/4		1/4		1/4		1/4			
1/2	2,032.74	1/2	1,676.15	1/2	1,319.18	1/2	971.41	1/2	617.97	1/2	260.50	1/2		1/2		1/2		1/2			
3/4	2,025.30	3/4	1,668.73	3/4	1,311.74	3/4	964.25	3/4	610.52	3/4	253.05	3/4		3/4		3/4		3/4			
8	2,017.85	8	1,661.31	8	1,304.29	8	957.10	8	603.08	8	245.61	8		8		8		8			
1/4	2,010.40	1/4	1,653.89	1/4	1,296.85	1/4	949.94	1/4	595.63	1/4	238.16	1/4		1/4		1/4		1/4			
1/2	2,002.96	1/2	1,646.47	1/2	1,289.40	1/2	942.78	1/2	588.18	1/2	230.71	1/2		1/2		1/2		1/2			
3/4	1,995.51	3/4	1,639.05	3/4	1,281.95	3/4	935.63	3/4	580.74	3/4	223.26	3/4		3/4		3/4		3/4			
9	1,988.07	9	1,631.63	9	1,274.51	9	928.47	9	573.29	9	215.82	9		9		9		9			
1/4	1,980.62	1/4	1,624.21	1/4	1,267.06	1/4	921.31	1/4	565.84	1/4	208.37	1/4		1/4		1/4		1/4			
1/2	1,973.17	1/2	1,616.79	1/2	1,259.62	1/2	914.16	1/2	558.39	1/2	200.92	1/2		1/2		1/2		1/2			
3/4	1,965.73	3/4	1,609.37	3/4	1,252.17	3/4	907.00	3/4	550.95	3/4	193.48	3/4		3/4		3/4		3/4			
10	1,958.28	10	1,601.95	10	1,244.72	10	899.84	10	543.50	10	186.03	10		10		10		10			
1/4	1,950.84	1/4	1,594.53	1/4	1,237.28	1/4	892.69	1/4	536.05	1/4	178.58	1/4		1/4		1/4		1/4			
1/2	1,943.39	1/2	1,587.11	1/2	1,229.83	1/2	885.53	1/2	528.60	1/2	171.13	1/2		1/2		1/2		1/2			
3/4	1,935.94	3/4	1,579.69	3/4	1,222.39	3/4	878.38	3/4	521.16	3/4	163.69	3/4		3/4		3/4		3/4			
11	1,928.50	11	1,572.27	11	1,215.21	11	870.95	11	513.71	11	156.24	11		11		11		11			
1/4	1,921.05	1/4	1,564.85	1/4	1,208.03	1/4	863.52	1/4	506.26	1/4	148.79	1/4		1/4		1/4		1/4			
1/2	1,913.61	1/2	1,557.43	1/2	1,200.85	1/2	856.10	1/2	498.81	1/2	141.34	1/2		1/2		1/2		1/2			
3/4	1,906.16	3/4	1,550.01	3/4	1,193.67	3/4	848.67	3/4	491.37	3/4	133.90	3/4		3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2012 CL - SW
CALCULATED: 05/05/2012 CL
PRINTED: 05/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

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



BARGE "KIRBY 28192"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	4,371.09	1/4	4,126.36	1/4	3,877.60	1/4	3,616.83	1/4	3,341.14	1/4	2,983.10	1/4	2,625.06		
1/2		1/2		1/2		1/2	4,366.91	1/2	4,121.31	1/2	3,872.29	1/2	3,611.27	1/2	3,333.68	1/2	2,975.64	1/2	2,617.60		
3/4		3/4		3/4		3/4	4,362.73	3/4	4,116.25	3/4	3,866.98	3/4	3,605.71	3/4	3,326.22	3/4	2,968.18	3/4	2,610.14		
1		1		1		1	4,357.35	1	4,111.18	1	3,861.66	1	3,600.13	1	3,318.76	1	2,960.72	1	2,602.68		
1/4		1/4		1/4		1/4	4,351.96	1/4	4,106.10	1/4	3,856.33	1/4	3,594.55	1/4	3,311.30	1/4	2,953.26	1/4	2,595.23		
1/2		1/2		1/2		1/2	4,346.58	1/2	4,101.02	1/2	3,851.01	1/2	3,588.97	1/2	3,303.84	1/2	2,945.80	1/2	2,587.77		
3/4		3/4		3/4		3/4	4,341.19	3/4	4,095.94	3/4	3,845.68	3/4	3,583.40	3/4	3,296.38	3/4	2,938.34	3/4	2,580.31		
2		2		2		2	4,335.46	2	4,090.84	2	3,840.33	2	3,577.80	2	3,288.92	2	2,930.88	2	2,572.85		
1/4		1/4		1/4		1/4	4,329.73	1/4	4,085.75	1/4	3,834.98	1/4	3,572.20	1/4	3,281.46	1/4	2,923.43	1/4	2,565.39		
1/2		1/2		1/2		1/2	4,324.00	1/2	4,080.65	1/2	3,829.63	1/2	3,566.60	1/2	3,274.00	1/2	2,915.97	1/2	2,557.93		
3/4		3/4		3/4		3/4	4,318.26	3/4	4,075.55	3/4	3,824.28	3/4	3,561.01	3/4	3,266.54	3/4	2,908.51	3/4	2,550.47		
3		3		3		3	4,312.53	3	4,070.43	3	3,818.91	3	3,555.39	3	3,259.09	3	2,901.05	3	2,543.01		
1/4		1/4		1/4		1/4	4,306.80	1/4	4,065.31	1/4	3,813.55	1/4	3,549.77	1/4	3,251.63	1/4	2,893.59	1/4	2,535.55		
1/2		1/2		1/2		1/2	4,301.06	1/2	4,060.19	1/2	3,808.18	1/2	3,544.15	1/2	3,244.17	1/2	2,886.13	1/2	2,528.09		
3/4		3/4		3/4		3/4	4,295.33	3/4	4,055.07	3/4	3,802.81	3/4	3,538.52	3/4	3,236.71	3/4	2,878.67	3/4	2,520.63		
4		4		4		4	4,290.44	4	4,049.93	4	3,797.42	4	3,532.89	4	3,229.25	4	2,871.21	4	2,513.18		
1/4		1/4		1/4		1/4	4,285.55	1/4	4,044.79	1/4	3,792.03	1/4	3,527.25	1/4	3,221.79	1/4	2,863.75	1/4	2,505.72		
1/2		1/2		1/2		1/2	4,280.66	1/2	4,039.66	1/2	3,786.64	1/2	3,521.61	1/2	3,214.33	1/2	2,856.29	1/2	2,498.26		
3/4		3/4		3/4		3/4	4,275.76	3/4	4,034.52	3/4	3,781.24	3/4	3,515.97	3/4	3,206.87	3/4	2,848.83	3/4	2,490.80		
5		5		5		5	4,270.85	5	4,029.35	5	3,775.83	5	3,510.30	5	3,199.41	5	2,841.38	5	2,483.34		
1/4		1/4		1/4		1/4	4,265.94	1/4	4,024.19	1/4	3,770.42	1/4	3,504.64	1/4	3,191.95	1/4	2,833.92	1/4	2,475.88		
1/2		1/2		1/2		1/2	4,261.03	1/2	4,019.03	1/2	3,765.01	1/2	3,498.98	1/2	3,184.49	1/2	2,826.46	1/2	2,468.42		
3/4		3/4		3/4		3/4	4,256.13	3/4	4,013.87	3/4	3,759.60	3/4	3,493.32	3/4	3,177.04	3/4	2,819.00	3/4	2,460.96		
6		6		6		6	4,251.19	6	4,008.69	6	3,754.17	6	3,487.64	6	3,169.58	6	2,811.54	6	2,453.50		
1/4		1/4		1/4		1/4	4,246.26	1/4	4,003.50	1/4	3,748.74	1/4	3,481.95	1/4	3,162.12	1/4	2,804.08	1/4	2,446.04		
1/2		1/2		1/2		1/2	4,241.32	1/2	3,998.32	1/2	3,743.30	1/2	3,476.27	1/2	3,154.66	1/2	2,796.62	1/2	2,438.58		
3/4		3/4		3/4		3/4	4,236.39	3/4	3,993.14	3/4	3,737.87	3/4	3,470.59	3/4	3,147.20	3/4	2,789.16	3/4	2,431.13		
7		7		7		7	4,231.44	7	3,987.94	7	3,732.42	7	3,464.89	7	3,139.74	7	2,781.70	7	2,423.67		
1/4		1/4		1/4		1/4	4,226.48	1/4	3,982.73	1/4	3,726.97	1/4	3,459.18	1/4	3,132.28	1/4	2,774.24	1/4	2,416.21		
1/2		1/2		1/2		1/2	4,221.53	1/2	3,977.53	1/2	3,721.51	1/2	3,453.48	1/2	3,124.82	1/2	2,766.78	1/2	2,408.75		
3/4		3/4		3/4		3/4	4,216.58	3/4	3,972.32	3/4	3,716.06	3/4	3,447.77	3/4	3,117.36	3/4	2,759.33	3/4	2,401.29		
8		8		8		8	4,211.60	8	3,967.10	8	3,710.58	8	3,442.05	8	3,109.90	8	2,751.87	8	2,393.83		
1/4		1/4		1/4		1/4	4,206.63	1/4	3,961.88	1/4	3,705.11	1/4	3,436.33	1/4	3,102.44	1/4	2,744.41	1/4	2,386.37		
1/2		1/2		1/2		1/2	4,201.65	1/2	3,956.65	1/2	3,699.63	1/2	3,430.60	1/2	3,094.98	1/2	2,736.95	1/2	2,378.91		
3/4		3/4		3/4		3/4	4,196.67	3/4	3,951.43	3/4	3,694.16	3/4	3,424.88	3/4	3,087.53	3/4	2,729.49	3/4	2,371.45		
9		9		9		9	4,191.68	9	3,946.18	9	3,688.66	9	3,419.14	9	3,080.07	9	2,722.03	9	2,363.99		
1/4		1/4		1/4		1/4	4,186.68	1/4	3,940.93	1/4	3,683.17	1/4	3,413.41	1/4	3,072.61	1/4	2,714.57	1/4	2,356.53		
1/2		1/2		1/2		1/2	4,181.69	1/2	3,935.69	1/2	3,677.67	1/2	3,407.67	1/2	3,065.15	1/2	2,707.11	1/2	2,349.07		
3/4		3/4		3/4		3/4	4,176.70	3/4	3,930.44	3/4	3,672.18	3/4	3,401.94	3/4	3,057.69	3/4	2,699.65	3/4	2,341.62		
10		10		10		10	4,171.68	10	3,925.17	10	3,666.66	10	3,396.20	10	3,050.23	10	2,692.19	10	2,334.16		
1/4		1/4		1/4		1/4	4,166.66	1/4	3,919.91	1/4	3,661.14	1/4	3,390.47	1/4	3,042.77	1/4	2,684.73	1/4	2,326.70		
1/2		1/2		1/2		1/2	4,161.64	1/2	3,914.64	1/2	3,655.62	1/2	3,384.73	1/2	3,035.31	1/2	2,677.28	1/2	2,319.24		
3/4		3/4		3/4		3/4	4,398.09	3/4	4,156.62	3/4	3,909.38	3/4	3,650.10	3/4	3,027.85	3/4	2,669.82	3/4	2,311.78		
11		11		11		11	4,393.43	11	4,151.58	11	3,904.09	11	3,644.57	11	3,020.39	11	2,662.36	11	2,304.32		
1/4		1/4		1/4		1/4	4,388.77	1/4	4,146.55	1/4	3,898.79	1/4	3,639.03	1/4	3,017.93	1/4	2,654.90	1/4	2,296.86		
1/2		1/2		1/2		1/2	4,384.11	1/2	4,141.51	1/2	3,893.50	1/2	3,633.49	1/2	3,015.48	1/2	2,647.44	1/2	2,289.40		
3/4		3/4		3/4		3/4	4,379.45	3/4	4,136.47	3/4	3,888.21	3/4	3,627.96	3/4	2,998.02	3/4	2,639.98	3/4	2,281.94		
12		12		12		12	4,375.27	12	4,131.42	12	3,882.91	12	3,622.40	12	2,990.56	12	2,632.52	12	2,274.48		

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 51'-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 28192"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,267.02	0	1,908.99	0	1,550.95	0	1,192.91	0	835.19	0	477.23	0	119.20	0		0		0	
1/4	2,259.57	1/4	1,901.53	1/4	1,543.49	1/4	1,185.46	1/4	827.75	1/4	469.77	1/4	111.74	1/4	1/4		1/4		1/4
1/2	2,252.11	1/2	1,894.07	1/2	1,536.03	1/2	1,178.00	1/2	820.30	1/2	462.31	1/2	104.28	1/2	1/2		1/2		1/2
3/4	2,244.65	3/4	1,886.61	3/4	1,528.57	3/4	1,170.54	3/4	812.85	3/4	454.86	3/4	97.14	3/4	3/4		3/4		3/4
1	2,237.19	1	1,879.15	1	1,521.11	1	1,163.08	1	805.40	1	447.40	1	90.00	1	1		1		1
1/4	2,229.73	1/4	1,871.69	1/4	1,513.66	1/4	1,155.62	1/4	797.96	1/4	439.94	1/4	82.85	1/4	1/4		1/4		1/4
1/2	2,222.27	1/2	1,864.23	1/2	1,506.20	1/2	1,148.16	1/2	790.51	1/2	432.48	1/2	75.71	1/2	1/2		1/2		1/2
3/4	2,214.81	3/4	1,856.77	3/4	1,498.74	3/4	1,140.70	3/4	783.05	3/4	425.02	3/4	69.51	3/4	3/4		3/4		3/4
2	2,207.35	2	1,849.32	2	1,491.28	2	1,133.24	2	775.59	2	417.56	2	63.31	2	2		2		2
1/4	2,199.89	1/4	1,841.86	1/4	1,483.82	1/4	1,125.78	1/4	768.13	1/4	410.10	1/4	57.10	1/4	1/4		1/4		1/4
1/2	2,192.43	1/2	1,834.40	1/2	1,476.36	1/2	1,118.32	1/2	760.67	1/2	402.64	1/2	50.90	1/2	1/2		1/2		1/2
3/4	2,184.97	3/4	1,826.94	3/4	1,468.90	3/4	1,110.86	3/4	753.22	3/4	395.18	3/4	45.96	3/4	3/4		3/4		3/4
3	2,177.52	3	1,819.48	3	1,461.44	3	1,103.41	3	745.76	3	387.72	3	41.01	3	3		3		3
1/4	2,170.06	1/4	1,812.02	1/4	1,453.98	1/4	1,095.95	1/4	738.30	1/4	380.27	1/4	36.07	1/4	1/4		1/4		1/4
1/2	2,162.60	1/2	1,804.56	1/2	1,446.52	1/2	1,088.49	1/2	730.84	1/2	372.81	1/2	31.12	1/2	1/2		1/2		1/2
3/4	2,155.14	3/4	1,797.10	3/4	1,439.06	3/4	1,081.03	3/4	723.38	3/4	365.35	3/4	27.45	3/4	3/4		3/4		3/4
4	2,147.68	4	1,789.64	4	1,431.61	4	1,073.57	4	715.92	4	357.89	4	23.77	4	4		4		4
1/4	2,140.22	1/4	1,782.18	1/4	1,424.15	1/4	1,066.11	1/4	708.46	1/4	350.43	1/4	20.09	1/4	1/4		1/4		1/4
1/2	2,132.76	1/2	1,774.72	1/2	1,416.69	1/2	1,058.65	1/2	701.00	1/2	342.97	1/2	16.41	1/2	1/2		1/2		1/2
3/4	2,125.30	3/4	1,767.27	3/4	1,409.23	3/4	1,051.19	3/4	693.54	3/4	335.51	3/4		3/4	3/4		3/4		3/4
5	2,117.84	5	1,759.81	5	1,401.77	5	1,043.73	5	686.08	5	328.05	5		5	5		5		5
1/4	2,110.38	1/4	1,752.35	1/4	1,394.31	1/4	1,036.27	1/4	678.63	1/4	320.59	1/4		1/4	1/4		1/4		1/4
1/2	2,102.92	1/2	1,744.89	1/2	1,386.85	1/2	1,028.81	1/2	671.17	1/2	313.13	1/2		1/2	1/2		1/2		1/2
3/4	2,095.47	3/4	1,737.43	3/4	1,379.39	3/4	1,021.37	3/4	663.71	3/4	305.68	3/4		3/4	3/4		3/4		3/4
6	2,088.01	6	1,729.97	6	1,371.93	6	1,013.92	6	656.25	6	298.22	6		6	6		6		6
1/4	2,080.55	1/4	1,722.51	1/4	1,364.47	1/4	1,006.47	1/4	648.79	1/4	290.76	1/4		1/4	1/4		1/4		1/4
1/2	2,073.09	1/2	1,715.05	1/2	1,357.01	1/2	999.03	1/2	641.33	1/2	283.30	1/2		1/2	1/2		1/2		1/2
3/4	2,065.63	3/4	1,707.59	3/4	1,349.56	3/4	991.58	3/4	633.87	3/4	275.84	3/4		3/4	3/4		3/4		3/4
7	2,058.17	7	1,700.13	7	1,342.10	7	984.13	7	626.41	7	268.38	7		7	7		7		7
1/4	2,050.71	1/4	1,692.67	1/4	1,334.64	1/4	976.69	1/4	618.95	1/4	260.92	1/4		1/4	1/4		1/4		1/4
1/2	2,043.25	1/2	1,685.22	1/2	1,327.18	1/2	969.24	1/2	611.49	1/2	253.46	1/2		1/2	1/2		1/2		1/2
3/4	2,035.79	3/4	1,677.76	3/4	1,319.72	3/4	961.79	3/4	604.04	3/4	246.00	3/4		3/4	3/4		3/4		3/4
8	2,028.33	8	1,670.30	8	1,312.26	8	954.34	8	596.58	8	238.54	8		8	8		8		8
1/4	2,020.87	1/4	1,662.84	1/4	1,304.80	1/4	946.90	1/4	589.12	1/4	231.09	1/4		1/4	1/4		1/4		1/4
1/2	2,013.42	1/2	1,655.38	1/2	1,297.34	1/2	939.45	1/2	581.66	1/2	223.63	1/2		1/2	1/2		1/2		1/2
3/4	2,005.96	3/4	1,647.92	3/4	1,289.88	3/4	932.00	3/4	574.20	3/4	216.17	3/4		3/4	3/4		3/4		3/4
9	1,998.50	9	1,640.46	9	1,282.42	9	924.56	9	566.74	9	208.71	9		9	9		9		9
1/4	1,991.04	1/4	1,633.00	1/4	1,274.96	1/4	917.11	1/4	559.28	1/4	201.25	1/4		1/4	1/4		1/4		1/4
1/2	1,983.58	1/2	1,625.54	1/2	1,267.51	1/2	909.66	1/2	551.82	1/2	193.79	1/2		1/2	1/2		1/2		1/2
3/4	1,976.12	3/4	1,618.08	3/4	1,260.05	3/4	902.22	3/4	544.36	3/4	186.33	3/4		3/4	3/4		3/4		3/4
10	1,968.66	10	1,610.62	10	1,252.59	10	894.77	10	536.90	10	178.87	10		10	10		10		10
1/4	1,961.20	1/4	1,603.16	1/4	1,245.13	1/4	887.32	1/4	529.45	1/4	171.41	1/4		1/4	1/4		1/4		1/4
1/2	1,953.74	1/2	1,595.71	1/2	1,237.67	1/2	879.87	1/2	521.99	1/2	163.95	1/2		1/2	1/2		1/2		1/2
3/4	1,946.28	3/4	1,588.25	3/4	1,230.21	3/4	872.43	3/4	514.53	3/4	156.50	3/4		3/4	3/4		3/4		3/4
11	1,938.82	11	1,580.79	11	1,222.75	11	864.98	11	507.07	11	149.04	11		11	11		11		11
1/4	1,931.37	1/4	1,573.33	1/4	1,215.29	1/4	857.53	1/4	499.61	1/4	141.58	1/4		1/4	1/4		1/4		1/4
1/2	1,923.91	1/2	1,565.87	1/2	1,207.83	1/2	850.09	1/2	492.15	1/2	134.12	1/2		1/2	1/2		1/2		1/2
3/4	1,916.45	3/4	1,558.41	3/4	1,200.37	3/4	842.64	3/4	484.69	3/4	126.66	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2012 CL - SW
CALCULATED: 05/05/2012 CL
PRINTED: 05/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

PRECISION MEASUREMENT
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