



BARGE "KIRBY 29109"

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

March 7, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29109"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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		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	
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
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	
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	2	2
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		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	3	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	
1/2		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	
4	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	
1/2		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	
5	5	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	
1/2		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	
6	6	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	
1/2		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	
7	7	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	
1/2		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	
8	8	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	
1/2		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	
9	9	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	
1/2		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	
10	10	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	
1/2		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	
11	11	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	
1/2		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	

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.

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1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,427.62	0	2,049.49	0	1,671.36	0	1,294.57	0	917.27	0	539.17	0	189.51	0		0		0	
1/4	2,419.74	1/4	2,041.61	1/4	1,663.48	1/4	1,286.74	1/4	909.39	1/4	531.30	1/4	182.88	1/4	1/4	1/4		1/4	
1/2	2,411.87	1/2	2,033.74	1/2	1,655.61	1/2	1,278.92	1/2	901.51	1/2	523.43	1/2	176.24	1/2	1/2	1/2		1/2	
3/4	2,403.99	3/4	2,025.86	3/4	1,647.73	3/4	1,271.09	3/4	893.63	3/4	515.61	3/4	169.72	3/4	3/4	3/4		3/4	
1	2,396.11	1	2,017.98	1	1,639.85	1	1,263.26	1	885.76	1	507.79	1	163.20	1	1	1		1	
1/4	2,388.23	1/4	2,010.10	1/4	1,631.97	1/4	1,255.43	1/4	877.88	1/4	499.97	1/4	156.68	1/4	1/4	1/4		1/4	
1/2	2,380.36	1/2	2,002.23	1/2	1,624.10	1/2	1,247.60	1/2	870.00	1/2	492.15	1/2	150.16	1/2	1/2	1/2		1/2	
3/4	2,372.48	3/4	1,994.35	3/4	1,616.22	3/4	1,239.78	3/4	862.12	3/4	484.43	3/4	143.76	3/4	3/4	3/4		3/4	
2	2,364.60	2	1,986.47	2	1,608.34	2	1,231.95	2	854.25	2	476.70	2	137.35	2	2	2		2	
1/4	2,356.72	1/4	1,978.59	1/4	1,600.46	1/4	1,224.12	1/4	846.37	1/4	468.97	1/4	130.95	1/4	1/4	1/4		1/4	
1/2	2,348.84	1/2	1,970.71	1/2	1,592.59	1/2	1,216.29	1/2	838.49	1/2	461.25	1/2	124.54	1/2	1/2	1/2		1/2	
3/4	2,340.97	3/4	1,962.84	3/4	1,584.71	3/4	1,208.46	3/4	830.61	3/4	453.63	3/4	118.26	3/4	3/4	3/4		3/4	
3	2,333.09	3	1,954.96	3	1,576.83	3	1,200.63	3	822.74	3	446.01	3	111.97	3	3	3		3	
1/4	2,325.21	1/4	1,947.08	1/4	1,568.95	1/4	1,192.81	1/4	814.86	1/4	438.39	1/4	105.69	1/4	1/4	1/4		1/4	
1/2	2,317.33	1/2	1,939.20	1/2	1,561.07	1/2	1,184.98	1/2	806.98	1/2	430.78	1/2	99.41	1/2	1/2	1/2		1/2	
3/4	2,309.46	3/4	1,931.33	3/4	1,553.21	3/4	1,177.13	3/4	799.10	3/4	423.27	3/4	93.25	3/4	3/4	3/4		3/4	
4	2,301.58	4	1,923.45	4	1,545.34	4	1,169.28	4	791.23	4	415.76	4	87.10	4	4	4		4	
1/4	2,293.70	1/4	1,915.57	1/4	1,537.47	1/4	1,161.44	1/4	783.35	1/4	408.25	1/4	80.94	1/4	1/4	1/4		1/4	
1/2	2,285.82	1/2	1,907.69	1/2	1,529.61	1/2	1,153.59	1/2	775.47	1/2	400.74	1/2	74.79	1/2	1/2	1/2		1/2	
3/4	2,277.95	3/4	1,899.82	3/4	1,521.76	3/4	1,145.71	3/4	767.59	3/4	393.34	3/4	68.78	3/4	3/4	3/4		3/4	
5	2,270.07	5	1,891.94	5	1,513.91	5	1,137.84	5	759.72	5	385.95	5	62.76	5	5	5		5	
1/4	2,262.19	1/4	1,884.06	1/4	1,506.06	1/4	1,129.96	1/4	751.84	1/4	378.55	1/4	56.75	1/4	1/4	1/4		1/4	
1/2	2,254.31	1/2	1,876.18	1/2	1,498.21	1/2	1,122.08	1/2	743.96	1/2	371.15	1/2	50.74	1/2	1/2	1/2		1/2	
3/4	2,246.43	3/4	1,868.30	3/4	1,490.37	3/4	1,114.20	3/4	736.08	3/4	363.86	3/4	45.32	3/4	3/4	3/4		3/4	
6	2,238.56	6	1,860.43	6	1,482.53	6	1,106.33	6	728.21	6	356.57	6	39.90	6	6	6		6	
1/4	2,230.68	1/4	1,852.55	1/4	1,474.68	1/4	1,098.45	1/4	720.33	1/4	349.28	1/4	34.48	1/4	1/4	1/4		1/4	
1/2	2,222.80	1/2	1,844.67	1/2	1,466.84	1/2	1,090.57	1/2	712.45	1/2	341.99	1/2	29.06	1/2	1/2	1/2		1/2	
3/4	2,214.92	3/4	1,836.79	3/4	1,459.01	3/4	1,082.69	3/4	704.57	3/4	334.81	3/4	25.09	3/4	3/4	3/4		3/4	
7	2,207.05	7	1,828.92	7	1,451.17	7	1,074.82	7	696.70	7	327.63	7	21.13	7	7	7		7	
1/4	2,199.17	1/4	1,821.04	1/4	1,443.33	1/4	1,066.94	1/4	688.82	1/4	320.45	1/4	17.16	1/4	1/4	1/4		1/4	
1/2	2,191.29	1/2	1,813.16	1/2	1,435.50	1/2	1,059.06	1/2	680.94	1/2	313.27	1/2	13.19	1/2	1/2	1/2		1/2	
3/4	2,183.41	3/4	1,805.28	3/4	1,427.67	3/4	1,051.18	3/4	673.06	3/4	306.20	3/4		3/4	3/4	3/4		3/4	
8	2,175.54	8	1,797.41	8	1,419.83	8	1,043.31	8	665.19	8	299.13	8		8	8	8		8	
1/4	2,167.66	1/4	1,789.53	1/4	1,412.00	1/4	1,035.43	1/4	657.31	1/4	292.06	1/4		1/4	1/4	1/4		1/4	
1/2	2,159.78	1/2	1,781.65	1/2	1,404.17	1/2	1,027.55	1/2	649.43	1/2	284.99	1/2		1/2	1/2	1/2		1/2	
3/4	2,151.90	3/4	1,773.77	3/4	1,396.34	3/4	1,019.67	3/4	641.55	3/4	278.03	3/4		3/4	3/4	3/4		3/4	
9	2,144.02	9	1,765.89	9	1,388.51	9	1,011.80	9	633.68	9	271.07	9		9	9	9		9	
1/4	2,136.15	1/4	1,758.02	1/4	1,380.68	1/4	1,003.92	1/4	625.80	1/4	264.11	1/4		1/4	1/4	1/4		1/4	
1/2	2,128.27	1/2	1,750.14	1/2	1,372.86	1/2	996.04	1/2	617.92	1/2	257.15	1/2		1/2	1/2	1/2		1/2	
3/4	2,120.39	3/4	1,742.26	3/4	1,365.03	3/4	988.16	3/4	610.04	3/4	250.30	3/4		3/4	3/4	3/4		3/4	
10	2,112.51	10	1,734.38	10	1,357.20	10	980.29	10	602.17	10	243.44	10		10	10	10		10	
1/4	2,104.64	1/4	1,726.51	1/4	1,349.37	1/4	972.41	1/4	594.29	1/4	236.59	1/4		1/4	1/4	1/4		1/4	
1/2	2,096.76	1/2	1,718.63	1/2	1,341.54	1/2	964.53	1/2	586.41	1/2	229.74	1/2		1/2	1/2	1/2		1/2	
3/4	2,088.88	3/4	1,710.75	3/4	1,333.71	3/4	956.65	3/4	578.53	3/4	223.00	3/4		3/4	3/4	3/4		3/4	
11	2,081.00	11	1,702.87	11	1,325.89	11	948.78	11	570.66	11	216.26	11		11	11	11		11	
1/4	2,073.13	1/4	1,695.00	1/4	1,318.06	1/4	940.90	1/4	562.78	1/4	209.52	1/4		1/4	1/4	1/4		1/4	
1/2	2,065.25	1/2	1,687.12	1/2	1,310.23	1/2	933.02	1/2	554.90	1/2	202.77	1/2		1/2	1/2	1/2		1/2	
3/4	2,057.37	3/4	1,679.24	3/4	1,302.40	3/4	925.14	3/4	547.03	3/4	196.14	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/06/2013 CL - SW
CALCULATED: 03/07/2013 CL
PRINTED: 03/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 5/8"

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

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 29109"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 5/8"

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
1/4	2,432.78	1/4	2,054.74	1/4	1,676.69	1/4	1,298.65	1/4	920.89	1/4	542.98	1/4	192.78	1/4		1/4		1/4	
1/2	2,424.90	1/2	2,046.86	1/2	1,668.82	1/2	1,290.77	1/2	913.02	1/2	535.11	1/2	186.15	1/2		1/2		1/2	
3/4	2,417.03	3/4	2,038.99	3/4	1,660.94	3/4	1,282.90	3/4	905.16	3/4	527.24	3/4	179.52	3/4		3/4		3/4	
1	2,409.15	1	2,031.11	1	1,653.07	1	1,275.02	1	897.29	1	519.40	1	172.94	1		1		1	
1/4	2,401.28	1/4	2,023.23	1/4	1,645.19	1/4	1,267.15	1/4	889.43	1/4	511.59	1/4	166.43	1/4		1/4		1/4	
1/2	2,393.40	1/2	2,015.36	1/2	1,637.31	1/2	1,259.27	1/2	881.57	1/2	503.77	1/2	159.91	1/2		1/2		1/2	
3/4	2,385.52	3/4	2,007.48	3/4	1,629.44	3/4	1,251.40	3/4	873.70	3/4	495.95	3/4	153.39	3/4		3/4		3/4	
2	2,377.65	2	1,999.61	2	1,621.56	2	1,243.52	2	865.84	2	488.18	2	146.92	2		2		2	
1/4	2,369.77	1/4	1,991.73	1/4	1,613.69	1/4	1,235.64	1/4	857.97	1/4	480.45	1/4	140.52	1/4		1/4		1/4	
1/2	2,361.90	1/2	1,983.85	1/2	1,605.81	1/2	1,227.77	1/2	850.10	1/2	472.73	1/2	134.12	1/2		1/2		1/2	
3/4	2,354.02	3/4	1,975.98	3/4	1,597.93	3/4	1,219.89	3/4	842.23	3/4	465.00	3/4	127.71	3/4		3/4		3/4	
3	2,346.15	3	1,968.10	3	1,590.06	3	1,212.02	3	834.36	3	457.33	3	121.37	3		3		3	
1/4	2,338.27	1/4	1,960.23	1/4	1,582.18	1/4	1,204.14	1/4	826.49	1/4	449.72	1/4	115.09	1/4		1/4		1/4	
1/2	2,330.39	1/2	1,952.35	1/2	1,574.31	1/2	1,196.26	1/2	818.61	1/2	442.10	1/2	108.81	1/2		1/2		1/2	
3/4	2,322.52	3/4	1,944.47	3/4	1,566.43	3/4	1,188.39	3/4	810.73	3/4	434.48	3/4	102.53	3/4		3/4		3/4	
4	2,314.64	4	1,936.60	4	1,558.56	4	1,180.51	4	802.86	4	426.92	4	96.31	4		4		4	
1/4	2,306.77	1/4	1,928.72	1/4	1,550.68	1/4	1,172.64	1/4	794.98	1/4	419.42	1/4	90.15	1/4		1/4		1/4	
1/2	2,298.89	1/2	1,920.85	1/2	1,542.80	1/2	1,164.76	1/2	787.11	1/2	411.91	1/2	84.00	1/2		1/2		1/2	
3/4	2,291.01	3/4	1,912.97	3/4	1,534.93	3/4	1,156.88	3/4	779.23	3/4	404.40	3/4	77.85	3/4		3/4		3/4	
5	2,283.14	5	1,905.09	5	1,527.05	5	1,149.01	5	771.36	5	396.95	5	71.77	5		5		5	
1/4	2,275.26	1/4	1,897.22	1/4	1,519.18	1/4	1,141.13	1/4	763.48	1/4	389.56	1/4	65.75	1/4		1/4		1/4	
1/2	2,267.39	1/2	1,889.34	1/2	1,511.30	1/2	1,133.26	1/2	755.60	1/2	382.16	1/2	59.74	1/2		1/2		1/2	
3/4	2,259.51	3/4	1,881.47	3/4	1,503.42	3/4	1,125.38	3/4	747.73	3/4	374.76	3/4	53.73	3/4		3/4		3/4	
6	2,251.63	6	1,873.59	6	1,495.55	6	1,117.51	6	739.85	6	367.42	6	48.02	6		6		6	
1/4	2,243.76	1/4	1,865.72	1/4	1,487.67	1/4	1,109.64	1/4	731.98	1/4	360.13	1/4	42.60	1/4		1/4		1/4	
1/2	2,235.88	1/2	1,857.84	1/2	1,479.80	1/2	1,101.76	1/2	724.10	1/2	352.84	1/2	37.18	1/2		1/2		1/2	
3/4	2,228.01	3/4	1,849.96	3/4	1,471.92	3/4	1,093.89	3/4	716.23	3/4	345.56	3/4	31.76	3/4		3/4		3/4	
7	2,220.13	7	1,842.09	7	1,464.04	7	1,086.03	7	708.35	7	338.32	7	27.07	7		7		7	
1/4	2,212.25	1/4	1,834.21	1/4	1,456.17	1/4	1,078.16	1/4	700.47	1/4	331.15	1/4	23.10	1/4		1/4		1/4	
1/2	2,204.38	1/2	1,826.34	1/2	1,448.29	1/2	1,070.30	1/2	692.60	1/2	323.97	1/2	19.14	1/2		1/2		1/2	
3/4	2,196.50	3/4	1,818.46	3/4	1,440.42	3/4	1,062.43	3/4	684.72	3/4	316.79	3/4	15.17	3/4		3/4		3/4	
8	2,188.63	8	1,810.58	8	1,432.54	8	1,054.57	8	676.85	8	309.67	8	13.19	8		8		8	
1/4	2,180.75	1/4	1,802.71	1/4	1,424.66	1/4	1,046.71	1/4	668.97	1/4	302.60	1/4		1/4		1/4		1/4	
1/2	2,172.88	1/2	1,794.83	1/2	1,416.79	1/2	1,038.84	1/2	661.10	1/2	295.53	1/2		1/2		1/2		1/2	
3/4	2,165.00	3/4	1,786.96	3/4	1,408.91	3/4	1,030.98	3/4	653.22	3/4	288.46	3/4		3/4		3/4		3/4	
9	2,157.12	9	1,779.08	9	1,401.04	9	1,023.12	9	645.34	9	281.45	9		9		9		9	
1/4	2,149.25	1/4	1,771.20	1/4	1,393.16	1/4	1,015.25	1/4	637.47	1/4	274.49	1/4		1/4		1/4		1/4	
1/2	2,141.37	1/2	1,763.33	1/2	1,385.29	1/2	1,007.39	1/2	629.59	1/2	267.53	1/2		1/2		1/2		1/2	
3/4	2,133.50	3/4	1,755.45	3/4	1,377.41	3/4	999.52	3/4	621.72	3/4	260.57	3/4		3/4		3/4		3/4	
10	2,125.62	10	1,747.58	10	1,369.53	10	991.66	10	613.84	10	253.66	10		10		10		10	
1/4	2,117.74	1/4	1,739.70	1/4	1,361.66	1/4	983.80	1/4	605.97	1/4	246.81	1/4		1/4		1/4		1/4	
1/2	2,109.87	1/2	1,731.82	1/2	1,353.78	1/2	975.93	1/2	598.09	1/2	239.96	1/2		1/2		1/2		1/2	
3/4	2,101.99	3/4	1,723.95	3/4	1,345.91	3/4	968.07	3/4	590.21	3/4	233.11	3/4		3/4		3/4		3/4	
11	2,094.12	11	1,716.07	11	1,338.03	11	960.21	11	582.34	11	226.32	11		11		11		11	
1/4	2,086.24	1/4	1,708.20	1/4	1,330.15	1/4	952.34	1/4	574.46	1/4	219.58	1/4		1/4		1/4		1/4	
1/2	2,078.36	1/2	1,700.32	1/2	1,322.28	1/2	944.48	1/2	566.59	1/2	212.84	1/2		1/2		1/2		1/2	
3/4	2,070.49	3/4	1,692.45	3/4	1,314.40	3/4	936.61	3/4	558.71	3/4	206.10	3/4		3/4		3/4		3/4	
12	2,062.61	12	1,684.57	12	1,306.53	12	928.75	12	550.84	12	199.41	12		12		12		12	

STRAPPED: 03/06/2013 CL - SW
CALCULATED: 03/07/2013 CL
PRINTED: 03/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "KIRBY 29109"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,366.59	0	2,007.34	0	1,648.08	0	1,297.46	0	952.41	0	594.83	0	235.58	0		0		0	
1/4	2,359.11	1/4	1,999.85	1/4	1,640.60	1/4	1,290.25	1/4	945.23	1/4	587.34	1/4	228.10	1/4	1/4	1/4		1/4	
1/2	2,351.62	1/2	1,992.37	1/2	1,633.11	1/2	1,283.05	1/2	938.05	1/2	579.86	1/2	220.61	1/2	1/2	1/2		1/2	
3/4	2,344.14	3/4	1,984.88	3/4	1,625.63	3/4	1,275.85	3/4	930.87	3/4	572.37	3/4	213.13	3/4	3/4	3/4		3/4	
1	2,336.65	1	1,977.40	1	1,618.14	1	1,268.65	1	923.57	1	564.89	1	205.65	1	1	1		1	
1/4	2,329.17	1/4	1,969.91	1/4	1,610.66	1/4	1,261.45	1/4	916.28	1/4	557.41	1/4	198.16	1/4	1/4	1/4		1/4	
1/2	2,321.69	1/2	1,962.43	1/2	1,603.17	1/2	1,254.25	1/2	908.98	1/2	549.92	1/2	190.68	1/2	1/2	1/2		1/2	
3/4	2,314.20	3/4	1,954.95	3/4	1,595.69	3/4	1,247.05	3/4	901.68	3/4	542.44	3/4	183.20	3/4	3/4	3/4		3/4	
2	2,306.72	2	1,947.46	2	1,588.20	2	1,239.84	2	894.20	2	534.95	2	175.72	2	2	2		2	
1/4	2,299.23	1/4	1,939.98	1/4	1,580.72	1/4	1,232.64	1/4	886.71	1/4	527.47	1/4	168.25	1/4	1/4	1/4		1/4	
1/2	2,291.75	1/2	1,932.49	1/2	1,573.24	1/2	1,225.44	1/2	879.23	1/2	519.98	1/2	160.77	1/2	1/2	1/2		1/2	
3/4	2,284.26	3/4	1,925.01	3/4	1,565.75	3/4	1,218.24	3/4	871.75	3/4	512.50	3/4	153.30	3/4	3/4	3/4		3/4	
3	2,276.78	3	1,917.52	3	1,558.27	3	1,211.04	3	864.26	3	505.02	3	145.83	3	3	3		3	
1/4	2,269.29	1/4	1,910.04	1/4	1,550.78	1/4	1,203.85	1/4	856.78	1/4	497.53	1/4	138.37	1/4	1/4	1/4		1/4	
1/2	2,261.81	1/2	1,902.55	1/2	1,543.30	1/2	1,196.65	1/2	849.29	1/2	490.05	1/2	130.90	1/2	1/2	1/2		1/2	
3/4	2,254.33	3/4	1,895.07	3/4	1,535.81	3/4	1,189.45	3/4	841.81	3/4	482.56	3/4	123.44	3/4	3/4	3/4		3/4	
4	2,246.84	4	1,887.58	4	1,528.43	4	1,182.26	4	834.32	4	475.08	4	115.99	4	4	4		4	
1/4	2,239.36	1/4	1,880.10	1/4	1,521.06	1/4	1,175.08	1/4	826.84	1/4	467.59	1/4	108.54	1/4	1/4	1/4		1/4	
1/2	2,231.87	1/2	1,872.62	1/2	1,513.68	1/2	1,167.89	1/2	819.36	1/2	460.11	1/2	101.10	1/2	1/2	1/2		1/2	
3/4	2,224.39	3/4	1,865.13	3/4	1,506.30	3/4	1,160.70	3/4	811.87	3/4	452.63	3/4	93.65	3/4	3/4	3/4		3/4	
5	2,216.90	5	1,857.65	5	1,499.10	5	1,153.51	5	804.39	5	445.14	5	86.24	5	5	5		5	
1/4	2,209.42	1/4	1,850.16	1/4	1,491.90	1/4	1,146.33	1/4	796.90	1/4	437.66	1/4	78.82	1/4	1/4	1/4		1/4	
1/2	2,201.93	1/2	1,842.68	1/2	1,484.70	1/2	1,139.14	1/2	789.42	1/2	430.17	1/2	71.40	1/2	1/2	1/2		1/2	
3/4	2,194.45	3/4	1,835.19	3/4	1,477.49	3/4	1,131.95	3/4	781.93	3/4	422.69	3/4	63.99	3/4	3/4	3/4		3/4	
6	2,186.96	6	1,827.71	6	1,470.29	6	1,124.77	6	774.45	6	415.20	6	57.03	6	6	6		6	
1/4	2,179.48	1/4	1,820.22	1/4	1,463.09	1/4	1,117.59	1/4	766.97	1/4	407.72	1/4	50.08	1/4	1/4	1/4		1/4	
1/2	2,172.00	1/2	1,812.74	1/2	1,455.89	1/2	1,110.41	1/2	759.48	1/2	400.24	1/2	43.12	1/2	1/2	1/2		1/2	
3/4	2,164.51	3/4	1,805.26	3/4	1,448.69	3/4	1,103.23	3/4	752.00	3/4	392.75	3/4	36.17	3/4	3/4	3/4		3/4	
7	2,157.03	7	1,797.77	7	1,441.49	7	1,096.05	7	744.51	7	385.27	7	30.87	7	7	7		7	
1/4	2,149.54	1/4	1,790.29	1/4	1,434.28	1/4	1,088.86	1/4	737.03	1/4	377.78	1/4	25.57	1/4	1/4	1/4		1/4	
1/2	2,142.06	1/2	1,782.80	1/2	1,427.08	1/2	1,081.68	1/2	729.54	1/2	370.30	1/2	20.27	1/2	1/2	1/2		1/2	
3/4	2,134.57	3/4	1,775.32	3/4	1,419.88	3/4	1,074.50	3/4	722.06	3/4	362.81	3/4	14.97	3/4	3/4	3/4		3/4	
8	2,127.09	8	1,767.83	8	1,412.68	8	1,067.32	8	714.58	8	355.33	8		8	8	8		8	
1/4	2,119.60	1/4	1,760.35	1/4	1,405.48	1/4	1,060.14	1/4	707.09	1/4	347.84	1/4		1/4	1/4	1/4		1/4	
1/2	2,112.12	1/2	1,752.86	1/2	1,398.28	1/2	1,052.96	1/2	699.61	1/2	340.36	1/2		1/2	1/2	1/2		1/2	
3/4	2,104.64	3/4	1,745.38	3/4	1,391.08	3/4	1,045.77	3/4	692.12	3/4	332.88	3/4		3/4	3/4	3/4		3/4	
9	2,097.15	9	1,737.89	9	1,383.87	9	1,038.59	9	684.64	9	325.39	9		9	9	9		9	
1/4	2,089.67	1/4	1,730.41	1/4	1,376.67	1/4	1,031.41	1/4	677.15	1/4	317.91	1/4		1/4	1/4	1/4		1/4	
1/2	2,082.18	1/2	1,722.93	1/2	1,369.47	1/2	1,024.23	1/2	669.67	1/2	310.42	1/2		1/2	1/2	1/2		1/2	
3/4	2,074.70	3/4	1,715.44	3/4	1,362.27	3/4	1,017.05	3/4	662.19	3/4	302.94	3/4		3/4	3/4	3/4		3/4	
10	2,067.21	10	1,707.96	10	1,355.07	10	1,009.87	10	654.70	10	295.45	10		10	10	10		10	
1/4	2,059.73	1/4	1,700.47	1/4	1,347.87	1/4	1,002.68	1/4	647.22	1/4	287.97	1/4		1/4	1/4	1/4		1/4	
1/2	2,052.24	1/2	1,692.99	1/2	1,340.67	1/2	995.50	1/2	639.73	1/2	280.49	1/2		1/2	1/2	1/2		1/2	
3/4	2,044.76	3/4	1,685.50	3/4	1,333.46	3/4	988.32	3/4	632.25	3/4	273.00	3/4		3/4	3/4	3/4		3/4	
11	2,037.27	11	1,678.02	11	1,326.26	11	981.14	11	624.76	11	265.52	11		11	11	11		11	
1/4	2,029.79	1/4	1,670.53	1/4	1,319.06	1/4	973.96	1/4	617.28	1/4	258.03	1/4		1/4	1/4	1/4		1/4	
1/2	2,022.31	1/2	1,663.05	1/2	1,311.86	1/2	966.78	1/2	609.80	1/2	250.55	1/2		1/2	1/2	1/2		1/2	
3/4	2,014.82	3/4	1,655.57	3/4	1,304.66	3/4	959.59	3/4	602.31	3/4	243.06	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/06/2013 CL - SW
CALCULATED: 03/07/2013 CL
PRINTED: 03/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "KIRBY 29109"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,490.70	0	4,167.56	0	3,829.27	0	3,476.17	0	3,118.24	0	2,758.81		
1/4		1/4		1/4		1/4		1/4	4,484.12	1/4	4,160.66	1/4	3,822.05	1/4	3,468.71	1/4	3,110.75	1/4	2,751.32		
1/2		1/2		1/2		1/2		1/2	4,794.87	1/2	4,477.53	1/2	4,153.75	1/2	3,814.83	1/2	3,461.26	1/2	3,103.26	1/2	2,743.83
3/4		3/4		3/4		3/4		3/4	4,789.75	3/4	4,470.94	3/4	4,146.84	3/4	3,807.60	3/4	3,453.80	3/4	3,095.77	3/4	2,736.34
1		1		1		1		1	4,464.64	1	4,139.94	1	3,800.38	1	3,446.35	1	3,088.29	1	2,728.85		
1/4		1/4		1/4		1/4		1/4	4,778.29	1/4	4,457.75	1/4	4,133.01	1/4	3,793.14	1/4	3,438.89	1/4	3,080.80	1/4	2,721.36
1/2		1/2		1/2		1/2		1/2	4,771.94	1/2	4,451.13	1/2	4,126.08	1/2	3,785.89	1/2	3,431.43	1/2	3,073.31	1/2	2,713.88
3/4		3/4		3/4		3/4		3/4	4,765.59	3/4	4,444.52	3/4	4,119.15	3/4	3,778.64	3/4	3,423.98	3/4	3,065.82	3/4	2,706.39
2		2		2		2		2	4,759.24	2	4,437.91	2	4,112.22	2	3,771.39	2	3,416.52	2	3,058.33	2	2,698.90
1/4		1/4		1/4		1/4		1/4	4,752.01	1/4	4,431.27	1/4	4,105.27	1/4	3,764.12	1/4	3,409.07	1/4	3,050.85	1/4	2,691.41
1/2		1/2		1/2		1/2		1/2	4,744.77	1/2	4,424.63	1/2	4,098.32	1/2	3,756.85	1/2	3,401.61	1/2	3,043.36	1/2	2,683.92
3/4		3/4		3/4		3/4		3/4	4,737.54	3/4	4,417.99	3/4	4,091.36	3/4	3,749.58	3/4	3,394.15	3/4	3,035.87	3/4	2,676.44
3		3		3		3		3	4,730.30	3	4,411.35	3	4,084.41	3	3,742.31	3	3,386.70	3	3,028.38	3	2,668.95
1/4		1/4		1/4		1/4		1/4	4,722.85	1/4	4,404.69	1/4	4,077.43	1/4	3,735.02	1/4	3,379.24	1/4	3,020.89	1/4	2,661.46
1/2		1/2		1/2		1/2		1/2	4,715.39	1/2	4,398.02	1/2	4,070.45	1/2	3,727.72	1/2	3,371.79	1/2	3,013.40	1/2	2,653.97
3/4		3/4		3/4		3/4		3/4	4,707.93	3/4	4,391.36	3/4	4,063.46	3/4	3,720.42	3/4	3,364.33	3/4	3,005.92	3/4	2,646.48
4		4		4		4		4	4,700.48	4	4,384.69	4	4,056.48	4	3,713.13	4	3,356.87	4	2,998.43	4	2,638.99
1/4		1/4		1/4		1/4		1/4	4,693.42	1/4	4,378.00	1/4	4,049.48	1/4	3,705.80	1/4	3,349.42	1/4	2,990.94	1/4	2,631.51
1/2		1/2		1/2		1/2		1/2	4,686.36	1/2	4,371.31	1/2	4,042.47	1/2	3,698.48	1/2	3,341.96	1/2	2,983.45	1/2	2,624.02
3/4		3/4		3/4		3/4		3/4	4,679.30	3/4	4,364.62	3/4	4,035.46	3/4	3,691.16	3/4	3,334.51	3/4	2,975.96	3/4	2,616.53
5		5		5		5		5	4,672.25	5	4,357.92	5	4,028.45	5	3,683.84	5	3,327.05	5	2,968.48	5	2,609.04
1/4		1/4		1/4		1/4		1/4	4,665.84	1/4	4,351.20	1/4	4,021.42	1/4	3,676.49	1/4	3,319.59	1/4	2,960.99	1/4	2,601.55
1/2		1/2		1/2		1/2		1/2	4,659.44	1/2	4,344.49	1/2	4,014.39	1/2	3,669.14	1/2	3,312.14	1/2	2,953.50	1/2	2,594.07
3/4		3/4		3/4		3/4		3/4	4,653.03	3/4	4,337.77	3/4	4,007.35	3/4	3,661.79	3/4	3,304.68	3/4	2,946.01	3/4	2,586.58
6		6		6		6		6	4,646.63	6	4,331.05	6	4,000.32	6	3,654.44	6	3,297.23	6	2,938.52	6	2,579.09
1/4		1/4		1/4		1/4		1/4	4,640.20	1/4	4,324.30	1/4	3,993.26	1/4	3,647.06	1/4	3,289.77	1/4	2,931.03	1/4	2,571.60
1/2		1/2		1/2		1/2		1/2	4,633.77	1/2	4,317.56	1/2	3,986.20	1/2	3,639.69	1/2	3,282.31	1/2	2,923.55	1/2	2,564.11
3/4		3/4		3/4		3/4		3/4	4,627.34	3/4	4,310.81	3/4	3,979.14	3/4	3,632.31	3/4	3,274.86	3/4	2,916.06	3/4	2,556.62
7		7		7		7		7	4,620.91	7	4,304.07	7	3,972.08	7	3,624.93	7	3,267.40	7	2,908.57	7	2,549.14
1/4		1/4		1/4		1/4		1/4	4,614.45	1/4	4,297.30	1/4	3,964.99	1/4	3,617.53	1/4	3,259.95	1/4	2,901.08	1/4	2,541.65
1/2		1/2		1/2		1/2		1/2	4,608.00	1/2	4,290.53	1/2	3,957.90	1/2	3,610.13	1/2	3,252.49	1/2	2,893.59	1/2	2,534.16
3/4		3/4		3/4		3/4		3/4	4,601.54	3/4	4,283.75	3/4	3,950.82	3/4	3,602.73	3/4	3,245.03	3/4	2,886.10	3/4	2,526.67
8		8		8		8		8	4,595.08	8	4,276.98	8	3,943.73	8	3,595.33	8	3,237.58	8	2,878.62	8	2,519.18
1/4		1/4		1/4		1/4		1/4	4,588.60	1/4	4,270.18	1/4	3,936.61	1/4	3,587.90	1/4	3,230.12	1/4	2,871.13	1/4	2,511.69
1/2		1/2		1/2		1/2		1/2	4,582.12	1/2	4,263.38	1/2	3,929.50	1/2	3,580.47	1/2	3,222.67	1/2	2,863.64	1/2	2,504.21
3/4		3/4		3/4		3/4		3/4	4,575.63	3/4	4,256.58	3/4	3,922.39	3/4	3,573.04	3/4	3,215.21	3/4	2,856.15	3/4	2,496.72
9		9		9		9		9	4,569.15	9	4,249.79	9	3,915.27	9	3,565.61	9	3,207.75	9	2,848.66	9	2,489.23
1/4		1/4		1/4		1/4		1/4	4,562.64	1/4	4,242.96	1/4	3,908.13	1/4	3,558.16	1/4	3,200.30	1/4	2,841.18	1/4	2,481.74
1/2		1/2		1/2		1/2		1/2	4,556.13	1/2	4,236.14	1/2	3,900.99	1/2	3,550.71	1/2	3,192.84	1/2	2,833.69	1/2	2,474.25
3/4		3/4		3/4		3/4		3/4	4,549.62	3/4	4,229.31	3/4	3,893.85	3/4	3,543.27	3/4	3,185.39	3/4	2,826.20	3/4	2,466.77
10		10		10		10		10	4,543.11	10	4,222.49	10	3,886.71	10	3,535.82	10	3,177.93	10	2,818.71	10	2,459.28
1/4		1/4		1/4		1/4		1/4	4,536.57	1/4	4,215.63	1/4	3,879.54	1/4	3,528.36	1/4	3,170.47	1/4	2,811.22	1/4	2,451.79
1/2		1/2		1/2		1/2		1/2	4,530.03	1/2	4,208.78	1/2	3,872.38	1/2	3,520.91	1/2	3,163.02	1/2	2,803.73	1/2	2,444.30
3/4		3/4		3/4		3/4		3/4	4,523.50	3/4	4,201.93	3/4	3,865.21	3/4	3,513.45	3/4	3,155.56	3/4	2,796.25	3/4	2,436.81
11		11		11		11		11	4,516.96	11	4,195.08	11	3,858.04	11	3,505.99	11	3,148.11	11	2,788.76	11	2,429.32
1/4		1/4		1/4		1/4		1/4	4,510.40	1/4	4,188.20	1/4	3,850.85	1/4	3,498.54	1/4	3,140.64	1/4	2,781.27	1/4	2,421.84
1/2		1/2		1/2		1/2		1/2	4,503.83	1/2	4,181.32	1/2	3,843.65	1/2	3,491.08	1/2	3,133.17	1/2	2,773.78	1/2	2,414.35
3/4		3/4		3/4		3/4		3/4	4,497.27	3/4	4,174.44	3/4	3,836.46	3/4	3,483.63	3/4	3,125.71	3/4	2,766.29	3/4	2,406.86

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29109"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

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	2,399.37	0	2,039.94	0	1,680.50	0	1,321.07	0	961.90	0	602.60	0	243.18	0		0		0	
1/4	2,391.88	1/4	2,032.45	1/4	1,673.02	1/4	1,313.58	1/4	954.42	1/4	595.11	1/4	235.69	1/4	1/4	1/4		1/4	
1/2	2,384.40	1/2	2,024.96	1/2	1,665.53	1/2	1,306.09	1/2	946.95	1/2	587.62	1/2	228.21	1/2	1/2	1/2		1/2	
3/4	2,376.91	3/4	2,017.47	3/4	1,658.04	3/4	1,298.61	3/4	939.47	3/4	580.14	3/4	220.72	3/4	3/4	3/4		3/4	
1	2,369.42	1	2,009.99	1	1,650.55	1	1,291.12	1	932.00	1	572.65	1	213.23	1	1	1		1	
1/4	2,361.93	1/4	2,002.50	1/4	1,643.06	1/4	1,283.63	1/4	924.52	1/4	565.16	1/4	205.75	1/4	1/4	1/4		1/4	
1/2	2,354.44	1/2	1,995.01	1/2	1,635.58	1/2	1,276.14	1/2	917.04	1/2	557.67	1/2	198.26	1/2	1/2	1/2		1/2	
3/4	2,346.95	3/4	1,987.52	3/4	1,628.09	3/4	1,268.65	3/4	909.57	3/4	550.19	3/4	190.77	3/4	3/4	3/4		3/4	
2	2,339.47	2	1,980.03	2	1,620.60	2	1,261.17	2	902.09	2	542.70	2	183.29	2	2	2		2	
1/4	2,331.98	1/4	1,972.54	1/4	1,613.11	1/4	1,253.68	1/4	894.61	1/4	535.21	1/4	175.81	1/4	1/4	1/4		1/4	
1/2	2,324.49	1/2	1,965.06	1/2	1,605.62	1/2	1,246.19	1/2	887.13	1/2	527.72	1/2	168.33	1/2	1/2	1/2		1/2	
3/4	2,317.00	3/4	1,957.57	3/4	1,598.13	3/4	1,238.70	3/4	879.65	3/4	520.23	3/4	160.85	3/4	3/4	3/4		3/4	
3	2,309.51	3	1,950.08	3	1,590.65	3	1,231.21	3	872.17	3	512.75	3	153.37	3	3	3		3	
1/4	2,302.03	1/4	1,942.59	1/4	1,583.16	1/4	1,223.72	1/4	864.68	1/4	505.26	1/4	145.90	1/4	1/4	1/4		1/4	
1/2	2,294.54	1/2	1,935.10	1/2	1,575.67	1/2	1,216.24	1/2	857.19	1/2	497.77	1/2	138.43	1/2	1/2	1/2		1/2	
3/4	2,287.05	3/4	1,927.62	3/4	1,568.18	3/4	1,208.75	3/4	849.70	3/4	490.28	3/4	130.96	3/4	3/4	3/4		3/4	
4	2,279.56	4	1,920.13	4	1,560.69	4	1,201.26	4	842.21	4	482.79	4	123.50	4	4	4		4	
1/4	2,272.07	1/4	1,912.64	1/4	1,553.21	1/4	1,193.77	1/4	834.73	1/4	475.31	1/4	116.05	1/4	1/4	1/4		1/4	
1/2	2,264.58	1/2	1,905.15	1/2	1,545.72	1/2	1,186.28	1/2	827.24	1/2	467.82	1/2	108.60	1/2	1/2	1/2		1/2	
3/4	2,257.10	3/4	1,897.66	3/4	1,538.23	3/4	1,178.80	3/4	819.75	3/4	460.33	3/4	101.15	3/4	3/4	3/4		3/4	
5	2,249.61	5	1,890.17	5	1,530.74	5	1,171.31	5	812.26	5	452.84	5	93.70	5	5	5		5	
1/4	2,242.12	1/4	1,882.69	1/4	1,523.25	1/4	1,163.82	1/4	804.77	1/4	445.35	1/4	86.28	1/4	1/4	1/4		1/4	
1/2	2,234.63	1/2	1,875.20	1/2	1,515.76	1/2	1,156.33	1/2	797.29	1/2	437.87	1/2	78.86	1/2	1/2	1/2		1/2	
3/4	2,227.14	3/4	1,867.71	3/4	1,508.28	3/4	1,148.84	3/4	789.80	3/4	430.38	3/4	71.44	3/4	3/4	3/4		3/4	
6	2,219.66	6	1,860.22	6	1,500.79	6	1,141.35	6	782.31	6	422.89	6	64.02	6	6	6		6	
1/4	2,212.17	1/4	1,852.73	1/4	1,493.30	1/4	1,133.87	1/4	774.82	1/4	415.40	1/4	57.06	1/4	1/4	1/4		1/4	
1/2	2,204.68	1/2	1,845.25	1/2	1,485.81	1/2	1,126.39	1/2	767.33	1/2	407.92	1/2	50.10	1/2	1/2	1/2		1/2	
3/4	2,197.19	3/4	1,837.76	3/4	1,478.32	3/4	1,118.90	3/4	759.85	3/4	400.43	3/4	43.14	3/4	3/4	3/4		3/4	
7	2,189.70	7	1,830.27	7	1,470.84	7	1,111.42	7	752.36	7	392.94	7	36.18	7	7	7		7	
1/4	2,182.21	1/4	1,822.78	1/4	1,463.35	1/4	1,103.94	1/4	744.87	1/4	385.45	1/4	30.88	1/4	1/4	1/4		1/4	
1/2	2,174.73	1/2	1,815.29	1/2	1,455.86	1/2	1,096.47	1/2	737.38	1/2	377.96	1/2	25.58	1/2	1/2	1/2		1/2	
3/4	2,167.24	3/4	1,807.80	3/4	1,448.37	3/4	1,088.99	3/4	729.90	3/4	370.48	3/4	20.28	3/4	3/4	3/4		3/4	
8	2,159.75	8	1,800.32	8	1,440.88	8	1,081.52	8	722.41	8	362.99	8	14.98	8	8	8		8	
1/4	2,152.26	1/4	1,792.83	1/4	1,433.39	1/4	1,074.04	1/4	714.92	1/4	355.50	1/4		1/4	1/4	1/4		1/4	
1/2	2,144.77	1/2	1,785.34	1/2	1,425.91	1/2	1,066.56	1/2	707.43	1/2	348.01	1/2		1/2	1/2	1/2		1/2	
3/4	2,137.28	3/4	1,777.85	3/4	1,418.42	3/4	1,059.09	3/4	699.94	3/4	340.52	3/4		3/4	3/4	3/4		3/4	
9	2,129.80	9	1,770.36	9	1,410.93	9	1,051.61	9	692.46	9	333.04	9		9	9	9		9	
1/4	2,122.31	1/4	1,762.87	1/4	1,403.44	1/4	1,044.14	1/4	684.97	1/4	325.55	1/4		1/4	1/4	1/4		1/4	
1/2	2,114.82	1/2	1,755.39	1/2	1,395.95	1/2	1,036.66	1/2	677.48	1/2	318.06	1/2		1/2	1/2	1/2		1/2	
3/4	2,107.33	3/4	1,747.90	3/4	1,388.46	3/4	1,029.18	3/4	669.99	3/4	310.57	3/4		3/4	3/4	3/4		3/4	
10	2,099.84	10	1,740.41	10	1,380.98	10	1,021.71	10	662.50	10	303.08	10		10	10	10		10	
1/4	2,092.36	1/4	1,732.92	1/4	1,373.49	1/4	1,014.23	1/4	655.02	1/4	295.60	1/4		1/4	1/4	1/4		1/4	
1/2	2,084.87	1/2	1,725.43	1/2	1,366.00	1/2	1,006.76	1/2	647.53	1/2	288.11	1/2		1/2	1/2	1/2		1/2	
3/4	2,077.38	3/4	1,717.95	3/4	1,358.51	3/4	999.28	3/4	640.04	3/4	280.62	3/4		3/4	3/4	3/4		3/4	
11	2,069.89	11	1,710.46	11	1,351.02	11	991.80	11	632.55	11	273.13	11		11	11	11		11	
1/4	2,062.40	1/4	1,702.97	1/4	1,343.54	1/4	984.33	1/4	625.06	1/4	265.65	1/4		1/4	1/4	1/4		1/4	
1/2	2,054.91	1/2	1,695.48	1/2	1,336.05	1/2	976.85	1/2	617.58	1/2	258.16	1/2		1/2	1/2	1/2		1/2	
3/4	2,047.43	3/4	1,687.99	3/4	1,328.56	3/4	969.38	3/4	610.09	3/4	250.67	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/06/2013 CL - SW
CALCULATED: 03/07/2013 CL
PRINTED: 03/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "KIRBY 29109"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,354.06	0	4,112.74	0	3,866.02	0	3,607.30	0	3,336.94	0	2,982.75	0	2,626.21
1/4		1/4		1/4		1/4	4,349.43	1/4	4,107.73	1/4	3,860.75	1/4	3,601.79	1/4	3,331.23	1/4	2,975.32	1/4	2,618.79
1/2		1/2		1/2		1/2	4,345.27	1/2	4,102.70	1/2	3,855.47	1/2	3,596.26	1/2	3,323.80	1/2	2,967.89	1/2	2,611.36
3/4		3/4		3/4		3/4	4,341.12	3/4	4,097.67	3/4	3,850.19	3/4	3,590.72	3/4	3,316.37	3/4	2,960.46	3/4	2,603.93
1		1		1		1	4,092.97	1	4,092.65	1	3,844.91	1	3,585.19	1	3,308.94	1	2,953.04	1	2,596.50
1/4		1/4		1/4		1/4	4,332.82	1/4	4,087.62	1/4	3,839.63	1/4	3,579.66	1/4	3,301.51	1/4	2,945.61	1/4	2,589.07
1/2		1/2		1/2		1/2	4,327.46	1/2	4,082.57	1/2	3,834.33	1/2	3,574.10	1/2	3,294.08	1/2	2,938.18	1/2	2,581.65
3/4		3/4		3/4		3/4	4,322.10	3/4	4,077.51	3/4	3,829.03	3/4	3,568.55	3/4	3,286.65	3/4	2,930.75	3/4	2,574.22
2		2		2		2	4,316.74	2	4,072.46	2	3,823.73	2	3,563.00	2	3,279.22	2	2,923.32	2	2,566.79
1/4		1/4		1/4		1/4	4,311.39	1/4	4,067.41	1/4	3,818.43	1/4	3,557.45	1/4	3,271.79	1/4	2,915.90	1/4	2,559.36
1/2		1/2		1/2		1/2	4,305.68	1/2	4,062.34	1/2	3,813.11	1/2	3,551.88	1/2	3,264.35	1/2	2,908.47	1/2	2,551.93
3/4		3/4		3/4		3/4	4,299.97	3/4	4,057.27	3/4	3,807.79	3/4	3,546.31	3/4	3,256.92	3/4	2,901.04	3/4	2,544.51
3		3		3		3	4,294.27	3	4,052.20	3	3,802.46	3	3,540.74	3	3,249.49	3	2,893.61	3	2,537.08
1/4		1/4		1/4		1/4	4,288.56	1/4	4,047.13	1/4	3,797.14	1/4	3,535.17	1/4	3,242.06	1/4	2,886.19	1/4	2,529.65
1/2		1/2		1/2		1/2	4,282.86	1/2	4,042.04	1/2	3,791.80	1/2	3,529.58	1/2	3,234.63	1/2	2,878.76	1/2	2,522.22
3/4		3/4		3/4		3/4	4,277.15	3/4	4,036.94	3/4	3,786.46	3/4	3,523.98	3/4	3,227.20	3/4	2,871.33	3/4	2,514.80
4		4		4		4	4,271.44	4	4,031.85	4	3,781.12	4	3,518.39	4	3,219.77	4	2,863.90	4	2,507.37
1/4		1/4		1/4		1/4	4,265.74	1/4	4,026.76	1/4	3,775.78	1/4	3,512.80	1/4	3,212.34	1/4	2,856.47	1/4	2,499.94
1/2		1/2		1/2		1/2	4,260.87	1/2	4,021.64	1/2	3,770.41	1/2	3,507.19	1/2	3,204.93	1/2	2,849.05	1/2	2,492.51
3/4		3/4		3/4		3/4	4,256.01	3/4	4,016.53	3/4	3,765.05	3/4	3,501.57	3/4	3,197.53	3/4	2,841.62	3/4	2,485.08
5		5		5		5	4,251.14	5	4,011.42	5	3,759.68	5	3,495.96	5	3,190.13	5	2,834.19	5	2,477.66
1/4		1/4		1/4		1/4	4,246.28	1/4	4,006.31	1/4	3,754.32	1/4	3,490.35	1/4	3,182.72	1/4	2,826.76	1/4	2,470.23
1/2		1/2		1/2		1/2	4,241.39	1/2	4,001.17	1/2	3,748.93	1/2	3,484.72	1/2	3,175.32	1/2	2,819.34	1/2	2,462.80
3/4		3/4		3/4		3/4	4,236.51	3/4	3,996.04	3/4	3,743.55	3/4	3,479.08	3/4	3,167.91	3/4	2,811.91	3/4	2,455.37
6		6		6		6	4,231.63	6	3,990.90	6	3,738.17	6	3,473.44	6	3,160.51	6	2,804.48	6	2,447.95
1/4		1/4		1/4		1/4	4,226.75	1/4	3,985.76	1/4	3,732.79	1/4	3,467.81	1/4	3,153.11	1/4	2,797.05	1/4	2,440.52
1/2		1/2		1/2		1/2	4,221.84	1/2	3,980.61	1/2	3,727.38	1/2	3,462.16	1/2	3,145.70	1/2	2,789.62	1/2	2,433.09
3/4		3/4		3/4		3/4	4,216.93	3/4	3,975.46	3/4	3,721.97	3/4	3,456.50	3/4	3,138.30	3/4	2,782.20	3/4	2,425.66
7		7		7		7	4,212.02	7	3,970.30	7	3,716.57	7	3,450.85	7	3,130.90	7	2,774.77	7	2,418.23
1/4		1/4		1/4		1/4	4,207.11	1/4	3,965.15	1/4	3,711.16	1/4	3,445.19	1/4	3,123.49	1/4	2,767.34	1/4	2,410.81
1/2		1/2		1/2		1/2	4,202.19	1/2	3,959.97	1/2	3,705.74	1/2	3,439.52	1/2	3,116.09	1/2	2,759.91	1/2	2,403.38
3/4		3/4		3/4		3/4	4,197.26	3/4	3,954.79	3/4	3,700.31	3/4	3,433.84	3/4	3,108.68	3/4	2,752.49	3/4	2,395.95
8		8		8		8	4,192.34	8	3,949.61	8	3,694.89	8	3,428.16	8	3,101.28	8	2,745.06	8	2,388.52
1/4		1/4		1/4		1/4	4,187.41	1/4	3,944.43	1/4	3,689.46	1/4	3,422.48	1/4	3,093.88	1/4	2,737.63	1/4	2,381.10
1/2		1/2		1/2		1/2	4,182.46	1/2	3,939.24	1/2	3,684.01	1/2	3,416.79	1/2	3,086.47	1/2	2,730.20	1/2	2,373.67
3/4		3/4		3/4		3/4	4,177.51	3/4	3,934.04	3/4	3,678.56	3/4	3,411.09	3/4	3,079.07	3/4	2,722.77	3/4	2,366.24
9		9		9		9	4,172.56	9	3,928.84	9	3,673.11	9	3,405.40	9	3,071.66	9	2,715.35	9	2,358.81
1/4		1/4		1/4		1/4	4,167.61	1/4	3,923.65	1/4	3,667.67	1/4	3,399.70	1/4	3,064.26	1/4	2,707.92	1/4	2,351.38
1/2		1/2		1/2		1/2	4,162.64	1/2	3,918.43	1/2	3,662.20	1/2	3,393.99	1/2	3,056.86	1/2	2,700.49	1/2	2,343.95
3/4		3/4		3/4		3/4	4,157.68	3/4	3,913.20	3/4	3,656.73	3/4	3,388.29	3/4	3,049.45	3/4	2,693.06	3/4	2,336.53
10		10		10		10	4,152.71	10	3,907.98	10	3,651.26	10	3,382.58	10	3,042.05	10	2,685.64	10	2,329.10
1/4		1/4		1/4		1/4	4,147.74	1/4	3,902.76	1/4	3,645.80	1/4	3,376.88	1/4	3,034.65	1/4	2,678.21	1/4	2,321.67
1/2		1/2		1/2		1/2	4,142.75	1/2	3,897.52	1/2	3,640.31	1/2	3,371.17	1/2	3,027.24	1/2	2,670.78	1/2	2,314.24
3/4		3/4		3/4		3/4	4,137.76	3/4	3,892.28	3/4	3,634.81	3/4	3,365.47	3/4	3,019.84	3/4	2,663.35	3/4	2,306.81
11		11		11		11	4,132.76	11	3,887.05	11	3,629.32	11	3,359.76	11	3,012.43	11	2,655.92	11	2,299.38
1/4		1/4		1/4	4,367.97	1/4	4,127.77	1/4	3,881.81	1/4	3,623.83	1/4	3,354.06	1/4	3,005.03	1/4	2,648.50	1/4	2,291.96
1/2		1/2		1/2	4,363.33	1/2	4,122.76	1/2	3,876.54	1/2	3,618.32	1/2	3,348.35	1/2	2,997.60	1/2	2,641.07	1/2	2,284.53
3/4		3/4		3/4	4,358.70	3/4	4,117.75	3/4	3,871.28	3/4	3,612.81	3/4	3,342.64	3/4	2,990.18	3/4	2,633.64	3/4	2,277.10

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 29109"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,269.67		1,912.67		1,556.67		1,200.27		855.68		498.57		141.28						
1/4	2,262.24	1/4	1,905.23	1/4	1,549.26	1/4	1,193.09	1/4	848.26	1/4	491.13	1/4	133.83	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,254.81	1/2	1,897.81	1/2	1,541.81	1/2	1,185.92	1/2	840.84	1/2	483.69	1/2	126.39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,247.39	3/4	1,890.40	3/4	1,534.37	3/4	1,178.75	3/4	833.41	3/4	476.24	3/4	118.95	3/4	3/4	3/4	3/4	3/4	3/4
1	2,239.96	1	1,882.98	1	1,526.93	1	1,171.57	1	825.99	1	468.80	1	111.50	1	1	1	1	1	1
1/4	2,232.53	1/4	1,875.57	1/4	1,519.49	1/4	1,164.40	1/4	818.57	1/4	461.35	1/4	104.06	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,225.10	1/2	1,868.15	1/2	1,512.05	1/2	1,157.22	1/2	811.15	1/2	453.91	1/2	96.93	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,217.67	3/4	1,860.73	3/4	1,504.60	3/4	1,150.05	3/4	803.72	3/4	446.47	3/4	89.80	3/4	3/4	3/4	3/4	3/4	3/4
2	2,210.24	2	1,853.32	2	1,497.16	2	1,142.87	2	796.30	2	439.02	2	82.67	2	2	2	2	2	2
1/4	2,202.82	1/4	1,845.90	1/4	1,489.72	1/4	1,135.70	1/4	788.88	1/4	431.58	1/4	75.55	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,195.39	1/2	1,838.48	1/2	1,482.28	1/2	1,128.53	1/2	781.43	1/2	424.14	1/2	69.36	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,187.96	3/4	1,831.07	3/4	1,474.83	3/4	1,121.35	3/4	773.99	3/4	416.69	3/4	63.17	3/4	3/4	3/4	3/4	3/4	3/4
3	2,180.53	3	1,823.65	3	1,467.39	3	1,114.18	3	766.55	3	409.25	3	56.98	3	3	3	3	3	3
1/4	2,173.10	1/4	1,816.24	1/4	1,459.95	1/4	1,107.00	1/4	759.10	1/4	401.81	1/4	50.80	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,165.67	1/2	1,808.82	1/2	1,452.51	1/2	1,099.83	1/2	751.66	1/2	394.36	1/2	45.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,158.25	3/4	1,801.40	3/4	1,445.06	3/4	1,092.65	3/4	744.22	3/4	386.92	3/4	40.93	3/4	3/4	3/4	3/4	3/4	3/4
4	2,150.82	4	1,793.99	4	1,437.62	4	1,085.48	4	736.77	4	379.47	4	36.00	4	4	4	4	4	4
1/4	2,143.39	1/4	1,786.57	1/4	1,430.18	1/4	1,078.31	1/4	729.33	1/4	372.03	1/4	31.07	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,135.95	1/2	1,779.16	1/2	1,422.74	1/2	1,071.15	1/2	721.88	1/2	364.59	1/2	27.41	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,128.50	3/4	1,771.74	3/4	1,415.29	3/4	1,063.98	3/4	714.44	3/4	357.14	3/4	23.74	3/4	3/4	3/4	3/4	3/4	3/4
5	2,121.06	5	1,764.32	5	1,407.85	5	1,056.82	5	707.00	5	349.70	5	20.07	5	5	5	5	5	5
1/4	2,113.62	1/4	1,756.91	1/4	1,400.41	1/4	1,049.66	1/4	699.55	1/4	342.26	1/4	16.40	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,106.18	1/2	1,749.49	1/2	1,392.97	1/2	1,042.50	1/2	692.11	1/2	334.81	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,098.73	3/4	1,742.08	3/4	1,385.52	3/4	1,035.34	3/4	684.67	3/4	327.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,091.29	6	1,734.66	6	1,378.08	6	1,028.18	6	677.22	6	319.92	6		6	6	6	6	6	6
1/4	2,083.85	1/4	1,727.24	1/4	1,370.64	1/4	1,021.02	1/4	669.78	1/4	312.48	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,076.41	1/2	1,719.83	1/2	1,363.20	1/2	1,013.87	1/2	662.33	1/2	305.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,068.96	3/4	1,712.41	3/4	1,355.75	3/4	1,006.71	3/4	654.89	3/4	297.59	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,061.52	7	1,705.00	7	1,348.31	7	999.55	7	647.45	7	290.15	7		7	7	7	7	7	7
1/4	2,054.08	1/4	1,697.58	1/4	1,340.87	1/4	992.40	1/4	640.00	1/4	282.71	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,046.64	1/2	1,690.16	1/2	1,333.43	1/2	985.24	1/2	632.56	1/2	275.26	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,039.19	3/4	1,682.75	3/4	1,325.99	3/4	978.09	3/4	625.12	3/4	267.82	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,031.75	8	1,675.33	8	1,318.54	8	970.94	8	617.67	8	260.37	8		8	8	8	8	8	8
1/4	2,024.31	1/4	1,667.91	1/4	1,311.10	1/4	963.78	1/4	610.23	1/4	252.93	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,016.87	1/2	1,660.50	1/2	1,303.66	1/2	956.63	1/2	602.78	1/2	245.49	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,009.42	3/4	1,653.08	3/4	1,296.22	3/4	949.48	3/4	595.34	3/4	238.04	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,001.98	9	1,645.67	9	1,288.77	9	942.33	9	587.90	9	230.60	9		9	9	9	9	9	9
1/4	1,994.54	1/4	1,638.25	1/4	1,281.33	1/4	935.17	1/4	580.45	1/4	223.16	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,987.10	1/2	1,630.83	1/2	1,273.89	1/2	928.02	1/2	573.01	1/2	215.71	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,979.65	3/4	1,623.42	3/4	1,266.45	3/4	920.87	3/4	565.57	3/4	208.27	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,972.21	10	1,616.00	10	1,259.00	10	913.71	10	558.12	10	200.83	10		10	10	10	10	10	10
1/4	1,964.77	1/4	1,608.59	1/4	1,251.56	1/4	906.56	1/4	550.68	1/4	193.38	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,957.33	1/2	1,601.17	1/2	1,244.12	1/2	899.41	1/2	543.24	1/2	185.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,949.88	3/4	1,593.75	3/4	1,236.68	3/4	892.25	3/4	535.79	3/4	178.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,942.44	11	1,586.34	11	1,229.23	11	885.10	11	528.35	11	171.05	11		11	11	11	11	11	11
1/4	1,935.00	1/4	1,578.92	1/4	1,221.79	1/4	877.95	1/4	520.90	1/4	163.61	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,927.56	1/2	1,571.51	1/2	1,214.36	1/2	870.53	1/2	513.46	1/2	156.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,920.11	3/4	1,564.09	3/4	1,207.44	3/4	863.10	3/4	506.02	3/4	148.72	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/06/2013 CL - SW
CALCULATED: 03/07/2013 CL
PRINTED: 03/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "KIRBY 29109"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,385.58		4,143.53		3,895.96		3,636.38		3,365.08		3,010.75		2,652.97		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,380.92	1/4	4,138.50	1/4	3,890.67	1/4	3,630.85	1/4	3,359.35	1/4	3,003.30	1/4	2,645.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,376.26	1/2	4,133.46	1/2	3,885.39	1/2	3,625.32	1/2	3,353.62	1/2	2,995.84	1/2	2,638.07		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,372.08	3/4	4,128.41	3/4	3,880.08	3/4	3,619.76	3/4	3,346.17	3/4	2,988.39	3/4	2,630.61		
1	1	1	1	1	1	1	4,367.91	1	4,123.36	1	3,874.78	1	3,614.20	1	3,338.71	1	2,980.94	1	2,623.16		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,363.73	1/4	4,118.31	1/4	3,869.47	1/4	3,608.65	1/4	3,331.26	1/4	2,973.48	1/4	2,615.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,359.56	1/2	4,113.26	1/2	3,864.17	1/2	3,603.09	1/2	3,323.81	1/2	2,966.03	1/2	2,608.25		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,354.18	3/4	4,108.19	3/4	3,858.85	3/4	3,597.51	3/4	3,316.35	3/4	2,958.57	3/4	2,600.80		
2	2	2	2	2	2	2	4,348.80	2	4,103.11	2	3,853.53	2	3,591.94	2	3,308.90	2	2,951.12	2	2,593.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,343.42	1/4	4,098.04	1/4	3,848.21	1/4	3,586.36	1/4	3,301.45	1/4	2,943.67	1/4	2,585.89		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,338.04	1/2	4,092.96	1/2	3,842.88	1/2	3,580.79	1/2	3,293.99	1/2	2,936.21	1/2	2,578.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,332.31	3/4	4,087.87	3/4	3,837.54	3/4	3,575.20	3/4	3,286.54	3/4	2,928.76	3/4	2,570.98		
3	3	3	3	3	3	3	4,326.58	3	4,082.78	3	3,832.19	3	3,569.60	3	3,279.08	3	2,921.31	3	2,563.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,320.85	1/4	4,077.68	1/4	3,826.85	1/4	3,564.01	1/4	3,271.63	1/4	2,913.85	1/4	2,556.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,315.12	1/2	4,072.59	1/2	3,821.50	1/2	3,558.42	1/2	3,264.18	1/2	2,906.40	1/2	2,548.62		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,309.39	3/4	4,067.47	3/4	3,816.14	3/4	3,552.80	3/4	3,256.72	3/4	2,898.95	3/4	2,541.17		
4	4	4	4	4	4	4	4,303.66	4	4,062.36	4	3,810.77	4	3,547.18	4	3,249.27	4	2,891.49	4	2,533.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,297.93	1/4	4,057.24	1/4	3,805.41	1/4	3,541.57	1/4	3,241.82	1/4	2,884.04	1/4	2,526.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,292.21	1/2	4,052.12	1/2	3,800.04	1/2	3,535.95	1/2	3,234.36	1/2	2,876.58	1/2	2,518.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,287.32	3/4	4,046.99	3/4	3,794.66	3/4	3,530.32	3/4	3,226.91	3/4	2,869.13	3/4	2,511.35		
5	5	5	5	5	5	5	4,282.43	5	4,041.85	5	3,789.27	5	3,524.68	5	3,219.45	5	2,861.68	5	2,503.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,277.54	1/4	4,036.72	1/4	3,783.88	1/4	3,519.05	1/4	3,212.00	1/4	2,854.22	1/4	2,496.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,272.65	1/2	4,031.58	1/2	3,778.49	1/2	3,513.41	1/2	3,204.55	1/2	2,846.77	1/2	2,488.99		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,267.75	3/4	4,026.42	3/4	3,773.09	3/4	3,507.75	3/4	3,197.09	3/4	2,839.32	3/4	2,481.54		
6	6	6	6	6	6	6	4,262.84	6	4,021.26	6	3,767.68	6	3,502.09	6	3,189.64	6	2,831.86	6	2,474.08		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,257.94	1/4	4,016.11	1/4	3,762.28	1/4	3,496.43	1/4	3,182.19	1/4	2,824.41	1/4	2,466.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,253.03	1/2	4,010.95	1/2	3,756.87	1/2	3,490.78	1/2	3,174.73	1/2	2,816.95	1/2	2,459.18		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,248.10	3/4	4,005.77	3/4	3,751.44	3/4	3,485.10	3/4	3,167.28	3/4	2,809.50	3/4	2,451.72		
7	7	7	7	7	7	7	4,243.17	7	4,000.59	7	3,746.01	7	3,479.42	7	3,159.82	7	2,802.05	7	2,444.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,238.24	1/4	3,995.42	1/4	3,740.58	1/4	3,473.74	1/4	3,152.37	1/4	2,794.59	1/4	2,436.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,233.31	1/2	3,990.24	1/2	3,735.15	1/2	3,468.07	1/2	3,144.92	1/2	2,787.14	1/2	2,429.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,228.36	3/4	3,985.04	3/4	3,729.70	3/4	3,462.37	3/4	3,137.46	3/4	2,779.69	3/4	2,421.91		
8	8	8	8	8	8	8	4,223.41	8	3,979.84	8	3,724.25	8	3,456.67	8	3,130.01	8	2,772.23	8	2,414.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,218.46	1/4	3,974.63	1/4	3,718.81	1/4	3,450.97	1/4	3,122.56	1/4	2,764.78	1/4	2,407.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,213.51	1/2	3,969.43	1/2	3,713.36	1/2	3,445.26	1/2	3,115.10	1/2	2,757.33	1/2	2,399.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,208.54	3/4	3,964.21	3/4	3,707.89	3/4	3,439.55	3/4	3,107.65	3/4	2,749.87	3/4	2,392.09		
9	9	9	9	9	9	9	4,203.57	9	3,958.99	9	3,702.41	9	3,433.83	9	3,100.20	9	2,742.42	9	2,384.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,198.59	1/4	3,953.77	1/4	3,696.94	1/4	3,428.11	1/4	3,092.74	1/4	2,734.96	1/4	2,377.19		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,193.62	1/2	3,948.56	1/2	3,691.47	1/2	3,422.39	1/2	3,085.29	1/2	2,727.51	1/2	2,369.73		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,188.63	3/4	3,943.31	3/4	3,685.98	3/4	3,416.66	3/4	3,077.83	3/4	2,720.06	3/4	2,362.28		
10	10	10	10	10	10	10	4,183.64	10	3,938.07	10	3,680.49	10	3,410.93	10	3,070.38	10	2,712.60	10	2,354.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,178.65	1/4	3,932.82	1/4	3,675.00	1/4	3,405.20	1/4	3,062.93	1/4	2,705.15	1/4	2,347.37		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,173.66	1/2	3,927.58	1/2	3,669.51	1/2	3,399.47	1/2	3,055.47	1/2	2,697.70	1/2	2,339.92		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,168.64	3/4	3,922.32	3/4	3,663.99	3/4	3,393.73	3/4	3,048.02	3/4	2,690.24	3/4	2,332.46		
11	11	11	11	11	11	11	4,163.63	11	3,917.06	11	3,658.48	11	3,388.00	11	3,040.57	11	2,682.79	11	2,325.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,158.61	1/4	3,911.79	1/4	3,652.96	1/4	3,382.27	1/4	3,033.11	1/4	2,675.33	1/4	2,317.56		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,394.90	1/2	4,153.59	1/2	3,906.53	1/2	3,647.45	1/2	3,376.54	1/2	3,025.66	1/2	2,667.88	1/2	2,310.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,390.24	3/4	4,148.56	3/4	3,901.25	3/4	3,641.92	3/4	3,370.81	3/4	3,018.20	3/4	2,660.43	3/4	2,302.65

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 29109"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,295.20	0	1,937.42	0	1,579.64	0	1,221.86	0	864.35	0	506.70	0	148.93	0		0		0	
1/4	2,287.74	1/4	1,929.96	1/4	1,572.19	1/4	1,214.41	1/4	856.91	1/4	499.24	1/4	141.47	1/4	1/4	1/4		1/4	
1/2	2,280.29	1/2	1,922.51	1/2	1,564.73	1/2	1,206.96	1/2	849.46	1/2	491.79	1/2	134.02	1/2	1/2	1/2		1/2	
3/4	2,272.83	3/4	1,915.06	3/4	1,557.28	3/4	1,199.50	3/4	842.02	3/4	484.34	3/4	126.57	3/4	3/4	3/4		3/4	
1	2,265.38	1	1,907.60	1	1,549.83	1	1,192.05	1	834.58	1	476.88	1	119.12	1	1	1		1	
1/4	2,257.93	1/4	1,900.15	1/4	1,542.37	1/4	1,184.59	1/4	827.14	1/4	469.43	1/4	111.66	1/4	1/4	1/4		1/4	
1/2	2,250.47	1/2	1,892.70	1/2	1,534.92	1/2	1,177.14	1/2	819.70	1/2	461.98	1/2	104.21	1/2	1/2	1/2		1/2	
3/4	2,243.02	3/4	1,885.24	3/4	1,527.46	3/4	1,169.69	3/4	812.25	3/4	454.52	3/4	97.07	3/4	3/4	3/4		3/4	
2	2,235.57	2	1,877.79	2	1,520.01	2	1,162.23	2	804.81	2	447.07	2	89.93	2	2	2		2	
1/4	2,228.11	1/4	1,870.33	1/4	1,512.56	1/4	1,154.78	1/4	797.37	1/4	439.61	1/4	82.79	1/4	1/4	1/4		1/4	
1/2	2,220.66	1/2	1,862.88	1/2	1,505.10	1/2	1,147.33	1/2	789.93	1/2	432.16	1/2	75.66	1/2	1/2	1/2		1/2	
3/4	2,213.20	3/4	1,855.43	3/4	1,497.65	3/4	1,139.87	3/4	782.48	3/4	424.71	3/4	69.46	3/4	3/4	3/4		3/4	
3	2,205.75	3	1,847.97	3	1,490.20	3	1,132.42	3	775.02	3	417.25	3	63.26	3	3	3		3	
1/4	2,198.30	1/4	1,840.52	1/4	1,482.74	1/4	1,124.96	1/4	767.57	1/4	409.80	1/4	57.06	1/4	1/4	1/4		1/4	
1/2	2,190.84	1/2	1,833.07	1/2	1,475.29	1/2	1,117.51	1/2	760.12	1/2	402.35	1/2	50.87	1/2	1/2	1/2		1/2	
3/4	2,183.39	3/4	1,825.61	3/4	1,467.83	3/4	1,110.06	3/4	752.66	3/4	394.89	3/4	45.92	3/4	3/4	3/4		3/4	
4	2,175.94	4	1,818.16	4	1,460.38	4	1,102.60	4	745.21	4	387.44	4	40.98	4	4	4		4	
1/4	2,168.48	1/4	1,810.71	1/4	1,452.93	1/4	1,095.15	1/4	737.75	1/4	379.99	1/4	36.04	1/4	1/4	1/4		1/4	
1/2	2,161.03	1/2	1,803.25	1/2	1,445.47	1/2	1,087.70	1/2	730.30	1/2	372.53	1/2	31.10	1/2	1/2	1/2		1/2	
3/4	2,153.58	3/4	1,795.80	3/4	1,438.02	3/4	1,080.24	3/4	722.85	3/4	365.08	3/4	27.43	3/4	3/4	3/4		3/4	
5	2,146.12	5	1,788.34	5	1,430.57	5	1,072.79	5	715.39	5	357.63	5	23.75	5	5	5		5	
1/4	2,138.67	1/4	1,780.89	1/4	1,423.11	1/4	1,065.34	1/4	707.94	1/4	350.17	1/4	20.07	1/4	1/4	1/4		1/4	
1/2	2,131.21	1/2	1,773.44	1/2	1,415.66	1/2	1,057.88	1/2	700.49	1/2	342.72	1/2	16.40	1/2	1/2	1/2		1/2	
3/4	2,123.76	3/4	1,765.98	3/4	1,408.21	3/4	1,050.43	3/4	693.03	3/4	335.27	3/4		3/4	3/4	3/4		3/4	
6	2,116.31	6	1,758.53	6	1,400.75	6	1,042.97	6	685.58	6	327.81	6		6	6	6		6	
1/4	2,108.85	1/4	1,751.08	1/4	1,393.30	1/4	1,035.52	1/4	678.13	1/4	320.36	1/4		1/4	1/4	1/4		1/4	
1/2	2,101.40	1/2	1,743.62	1/2	1,385.84	1/2	1,028.07	1/2	670.67	1/2	312.91	1/2		1/2	1/2	1/2		1/2	
3/4	2,093.95	3/4	1,736.17	3/4	1,378.39	3/4	1,020.62	3/4	663.22	3/4	305.45	3/4		3/4	3/4	3/4		3/4	
7	2,086.49	7	1,728.71	7	1,370.94	7	1,013.18	7	655.77	7	298.00	7		7	7	7		7	
1/4	2,079.04	1/4	1,721.26	1/4	1,363.48	1/4	1,005.74	1/4	648.31	1/4	290.54	1/4		1/4	1/4	1/4		1/4	
1/2	2,071.58	1/2	1,713.81	1/2	1,356.03	1/2	998.30	1/2	640.86	1/2	283.09	1/2		1/2	1/2	1/2		1/2	
3/4	2,064.13	3/4	1,706.35	3/4	1,348.58	3/4	990.86	3/4	633.41	3/4	275.64	3/4		3/4	3/4	3/4		3/4	
8	2,056.68	8	1,698.90	8	1,341.12	8	983.42	8	625.95	8	268.18	8		8	8	8		8	
1/4	2,049.22	1/4	1,691.45	1/4	1,333.67	1/4	975.97	1/4	618.50	1/4	260.73	1/4		1/4	1/4	1/4		1/4	
1/2	2,041.77	1/2	1,683.99	1/2	1,326.21	1/2	968.53	1/2	611.05	1/2	253.28	1/2		1/2	1/2	1/2		1/2	
3/4	2,034.32	3/4	1,676.54	3/4	1,318.76	3/4	961.09	3/4	603.59	3/4	245.82	3/4		3/4	3/4	3/4		3/4	
9	2,026.86	9	1,669.08	9	1,311.31	9	953.65	9	596.14	9	238.37	9		9	9	9		9	
1/4	2,019.41	1/4	1,661.63	1/4	1,303.85	1/4	946.21	1/4	588.68	1/4	230.92	1/4		1/4	1/4	1/4		1/4	
1/2	2,011.96	1/2	1,654.18	1/2	1,296.40	1/2	938.77	1/2	581.23	1/2	223.46	1/2		1/2	1/2	1/2		1/2	
3/4	2,004.50	3/4	1,646.72	3/4	1,288.95	3/4	931.32	3/4	573.78	3/4	216.01	3/4		3/4	3/4	3/4		3/4	
10	1,997.05	10	1,639.27	10	1,281.49	10	923.88	10	566.32	10	208.56	10		10	10	10		10	
1/4	1,989.59	1/4	1,631.82	1/4	1,274.04	1/4	916.44	1/4	558.87	1/4	201.10	1/4		1/4	1/4	1/4		1/4	
1/2	1,982.14	1/2	1,624.36	1/2	1,266.59	1/2	909.00	1/2	551.42	1/2	193.65	1/2		1/2	1/2	1/2		1/2	
3/4	1,974.69	3/4	1,616.91	3/4	1,259.13	3/4	901.56	3/4	543.96	3/4	186.20	3/4		3/4	3/4	3/4		3/4	
11	1,967.23	11	1,609.46	11	1,251.68	11	894.11	11	536.51	11	178.74	11		11	11	11		11	
1/4	1,959.78	1/4	1,602.00	1/4	1,244.22	1/4	886.67	1/4	529.06	1/4	171.29	1/4		1/4	1/4	1/4		1/4	
1/2	1,952.33	1/2	1,594.55	1/2	1,236.77	1/2	879.23	1/2	521.60	1/2	163.84	1/2		1/2	1/2	1/2		1/2	
3/4	1,944.87	3/4	1,587.09	3/4	1,229.32	3/4	871.79	3/4	514.15	3/4	156.38	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/06/2013 CL - SW
CALCULATED: 03/07/2013 CL
PRINTED: 03/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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