



BARGE "KIRBY 28102"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/2	-00-1/2	01-0/8	-01-0/8	01-1/2	-01-1/2	02-0/8	-02-0/8	02-1/2	-02-1/2	03-0/8	-03-0/8
1 STBD	00-1/2	-00-1/2	01-0/8	-01-0/8	01-1/2	-01-1/2	02-0/8	-02-0/8	02-1/2	-02-1/2	03-0/8	-03-0/8
2 PORT	00-1/2	-00-1/2	01-0/8	-01-0/8	01-1/2	-01-1/2	01-7/8	-01-7/8	02-1/2	-02-1/2	02-7/8	-02-7/8
2 STBD	00-1/2	-00-1/2	01-0/8	-01-0/8	01-1/2	-01-1/2	01-7/8	-01-7/8	02-1/2	-02-1/2	02-7/8	-02-7/8
3 PORT	00-1/2	-00-1/2	01-0/8	-01-0/8	01-1/2	-01-1/2	02-0/8	-02-0/8	02-1/2	-02-1/2	03-0/8	-03-0/8
3 STBD	00-1/2	-00-1/2	01-0/8	-01-0/8	01-1/2	-01-1/2	02-0/8	-02-0/8	02-1/2	-02-1/2	03-0/8	-03-0/8

(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 -01-0/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 0/8"

LENGTH BETWEEN DRAFT MARKS: 220'-09"

May 22, 2009

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



1 PORT ULLAGE TABLE

BARGE "KIRBY 28102"

Table with columns for GAUGE HEIGHT (0 FT. to 9 FT.) and ULLAGE TABLE. Rows are categorized by gauge height (0 FT., 1 FT., 2 FT., 3 FT., 4 FT., 5 FT., 6 FT., 7 FT., 8 FT., 9 FT.) and include values for IN and 3/4 increments.

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NIPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 53'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.

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

Signature of Eric Pearson



BARGE "KIRBY 28102"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,348.74	0	1,982.33	0	1,608.27	0	1,250.13	0	885.93	0	519.77	0	174.87	0						
1/4	2,334.47	1/4	1,974.70	1/4	1,600.64	1/4	1,242.50	1/4	878.35	1/4	512.13	1/4	168.17	1/4						
1/2	2,333.47	1/2	1,967.07	1/2	1,600.64	1/2	1,242.50	1/2	878.35	1/2	512.13	1/2	168.17	1/2						
3/4	2,335.83	3/4	1,959.43	3/4	1,593.00	3/4	1,227.23	3/4	863.17	3/4	496.91	3/4	154.94	3/4						
1	2,318.20	1	1,951.80	1	1,585.37	1	1,219.66	1	855.58	1	489.29	1	148.33	1						
1 1/4	2,310.57	1 1/4	1,944.16	1 1/4	1,577.74	1 1/4	1,211.96	1 1/4	847.98	1 1/4	481.68	1 1/4	141.71	1 1/4						
1 1/2	2,302.93	1 1/2	1,936.53	1 1/2	1,570.10	1 1/2	1,204.34	1 1/2	840.37	1 1/2	474.13	1 1/2	135.19	1 1/2						
2	2,287.67	2	1,921.26	2	1,562.47	2	1,196.72	2	832.75	2	466.58	2	128.67	2						
1/4	2,280.03	1/4	1,913.63	1/4	1,547.20	1/4	1,181.48	1/4	817.51	1/4	451.48	1/4	115.63	1/4						
1/2	2,272.40	1/2	1,905.99	1/2	1,539.57	1/2	1,173.89	1/2	809.87	1/2	444.02	1/2	109.20	1/2						
3/4	2,264.77	3/4	1,898.36	3/4	1,531.93	3/4	1,166.30	3/4	802.24	3/4	436.55	3/4	102.78	3/4						
3	2,257.13	3	1,890.73	3	1,524.30	3	1,158.70	3	794.61	3	429.09	3	96.36	3						
1/4	2,249.50	1/4	1,883.09	1/4	1,516.67	1/4	1,151.11	1/4	786.97	1/4	421.62	1/4	89.93	1/4						
1/2	2,241.87	1/2	1,875.46	1/2	1,509.03	1/2	1,143.53	1/2	779.34	1/2	414.24	1/2	83.61	1/2						
3/4	2,234.23	3/4	1,867.82	3/4	1,501.40	3/4	1,135.95	3/4	771.70	3/4	406.86	3/4	77.29	3/4						
4	2,226.60	4	1,860.19	4	1,493.76	4	1,128.38	4	764.07	4	399.48	4	70.97	4						
1/4	2,218.97	1/4	1,852.56	1/4	1,486.13	1/4	1,120.80	1/4	756.43	1/4	392.10	1/4	64.65	1/4						
1/2	2,211.33	1/2	1,844.92	1/2	1,478.51	1/2	1,113.22	1/2	748.80	1/2	384.81	1/2	58.45	1/2						
3/4	2,203.70	3/4	1,837.29	3/4	1,470.89	3/4	1,105.65	3/4	741.17	3/4	377.51	3/4	52.25	3/4						
5	2,196.07	5	1,829.66	5	1,463.27	5	1,098.07	5	733.53	5	370.22	5	46.05	5						
1/4	2,188.43	1/4	1,822.02	1/4	1,455.65	1/4	1,090.49	1/4	725.90	1/4	362.92	1/4	39.85	1/4						
1/2	2,180.80	1/2	1,814.39	1/2	1,448.04	1/2	1,082.92	1/2	718.26	1/2	355.71	1/2	34.34	1/2						
3/4	2,173.16	3/4	1,806.75	3/4	1,440.44	3/4	1,075.34	3/4	710.63	3/4	348.50	3/4	28.84	3/4						
6	2,165.53	6	1,799.12	6	1,432.83	6	1,067.77	6	702.99	6	341.29	6	23.33	6						
1/4	2,157.90	1/4	1,791.49	1/4	1,425.22	1/4	1,060.19	1/4	695.36	1/4	334.08	1/4	17.83	1/4						
1/2	2,150.26	1/2	1,783.85	1/2	1,417.62	1/2	1,052.61	1/2	687.73	1/2	326.96	1/2	14.27	1/2						
3/4	2,142.63	3/4	1,776.22	3/4	1,410.01	3/4	1,045.04	3/4	680.09	3/4	319.83	3/4	10.71	3/4						
7	2,135.00	7	1,768.58	7	1,402.41	7	1,037.46	7	672.46	7	312.71	7	7.15	7						
1/4	2,127.36	1/4	1,760.95	1/4	1,394.80	1/4	1,029.88	1/4	664.82	1/4	305.58	1/4	3.59	1/4						
1/2	2,119.73	1/2	1,753.32	1/2	1,387.19	1/2	1,022.31	1/2	657.19	1/2	298.54	1/2		1/2						
3/4	2,112.10	3/4	1,745.68	3/4	1,379.59	3/4	1,014.73	3/4	649.56	3/4	291.50	3/4		3/4						
8	2,104.46	8	1,738.05	8	1,371.98	8	1,007.16	8	641.92	8	284.46	8		8						
1/4	2,096.83	1/4	1,730.41	1/4	1,364.37	1/4	999.58	1/4	634.29	1/4	277.42	1/4		1/4						
1/2	2,089.20	1/2	1,722.78	1/2	1,356.77	1/2	992.00	1/2	626.65	1/2	270.46	1/2		1/2						
3/4	2,081.56	3/4	1,715.15	3/4	1,349.16	3/4	984.43	3/4	619.02	3/4	263.51	3/4		3/4						
9	2,073.93	9	1,707.51	9	1,341.55	9	976.85	9	611.38	9	256.55	9		9						
1/4	2,066.30	1/4	1,699.88	1/4	1,333.95	1/4	969.28	1/4	603.75	1/4	249.60	1/4		1/4						
1/2	2,058.66	1/2	1,692.24	1/2	1,326.34	1/2	961.70	1/2	596.12	1/2	242.73	1/2		1/2						
3/4	2,051.03	3/4	1,684.61	3/4	1,318.73	3/4	954.12	3/4	588.48	3/4	235.86	3/4		3/4						
10	2,043.40	10	1,676.98	10	1,311.13	10	946.55	10	580.85	10	228.98	10		10						
1/4	2,035.76	1/4	1,669.34	1/4	1,303.52	1/4	938.97	1/4	573.21	1/4	222.11	1/4		1/4						
1/2	2,028.13	1/2	1,661.71	1/2	1,295.90	1/2	931.40	1/2	565.58	1/2	215.33	1/2		1/2						
3/4	2,020.49	3/4	1,654.08	3/4	1,288.28	3/4	923.82	3/4	557.94	3/4	208.54	3/4		3/4						
11	2,012.86	11	1,646.44	11	1,280.66	11	916.24	11	550.31	11	201.76	11		11						
1/4	2,005.23	1/4	1,638.81	1/4	1,273.04	1/4	908.67	1/4	542.67	1/4	194.97	1/4		1/4						
1/2	1,997.60	1/2	1,631.17	1/2	1,265.40	1/2	901.09	1/2	535.04	1/2	188.27	1/2		1/2						
3/4	1,989.96	3/4	1,623.54	3/4	1,257.77	3/4	893.51	3/4	527.40	3/4	181.57	3/4		3/4						

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/21/2009 CL - SW
CALCULATED: 05/21/2009 CL
PRINTED: 05/21/2009 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2009

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 28102"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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

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 17'-09" OFF CENTERLINE AND 53'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.

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



1 STBD ULLAGE TABLE

GAUGE HEIGHT 16'-07"

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	2,341.38	0	1,975.14	0	1,608.89	0	1,243.30	0	878.10	0	511.88	0	168.08	0		0			
1/4	2,333.75	1/4	1,967.51	1/4	1,601.26	1/4	1,235.66	1/4	870.49	1/4	504.27	1/4	161.47	1/4		1/4			
1/2	2,326.12	1/2	1,959.88	1/2	1,593.63	1/2	1,228.03	1/2	862.87	1/2	496.66	1/2	154.86	1/2		1/2			
3/4	2,318.49	3/4	1,952.25	3/4	1,586.00	3/4	1,220.40	3/4	855.25	3/4	489.05	3/4	148.25	3/4		3/4			
1	2,310.86	1	1,944.62	1	1,578.37	1	1,212.77	1	847.63	1	481.44	1	141.64	1		1			
1 1/4	2,303.23	1 1/4	1,936.99	1 1/4	1,570.74	1 1/4	1,205.14	1 1/4	840.00	1 1/4	473.90	1 1/4	135.12	1 1/4		1 1/4			
1 1/2	2,295.60	1 1/2	1,929.36	1 1/2	1,563.11	1 1/2	1,197.51	1 1/2	832.37	1 1/2	466.35	1 1/2	128.61	1 1/2		1 1/2			
1 3/4	2,287.97	1 3/4	1,921.73	1 3/4	1,555.48	1 3/4	1,189.88	1 3/4	824.74	1 3/4	458.81	1 3/4	122.09	1 3/4		1 3/4			
2	2,280.34	2	1,914.10	2	1,547.85	2	1,182.25	2	817.11	2	451.26	2	115.57	2		2			
2 1/4	2,272.71	2 1/4	1,906.47	2 1/4	1,540.22	2 1/4	1,174.63	2 1/4	809.48	2 1/4	443.80	2 1/4	109.15	2 1/4		2 1/4			
2 1/2	2,265.08	2 1/2	1,898.84	2 1/2	1,532.59	2 1/2	1,167.01	2 1/2	801.85	2 1/2	436.34	2 1/2	102.73	2 1/2		2 1/2			
2 3/4	2,257.45	2 3/4	1,891.21	2 3/4	1,524.96	2 3/4	1,159.38	2 3/4	794.22	2 3/4	428.88	2 3/4	96.31	2 3/4		2 3/4			
3	2,249.82	3	1,883.58	3	1,517.33	3	1,151.75	3	786.59	3	421.41	3	89.88	3		3			
3 1/4	2,242.19	3 1/4	1,875.95	3 1/4	1,509.70	3 1/4	1,144.17	3 1/4	778.96	3 1/4	414.04	3 1/4	83.57	3 1/4		3 1/4			
3 1/2	2,234.56	3 1/2	1,868.32	3 1/2	1,502.07	3 1/2	1,136.57	3 1/2	771.33	3 1/2	406.66	3 1/2	77.25	3 1/2		3 1/2			
3 3/4	2,226.93	3 3/4	1,860.69	3 3/4	1,494.44	3 3/4	1,128.97	3 3/4	763.70	3 3/4	399.29	3 3/4	70.93	3 3/4		3 3/4			
4	2,219.30	4	1,853.06	4	1,486.81	4	1,121.36	4	756.07	4	391.91	4	64.62	4		4			
4 1/4	2,211.67	4 1/4	1,845.43	4 1/4	1,479.19	4 1/4	1,113.76	4 1/4	748.44	4 1/4	384.62	4 1/4	58.42	4 1/4		4 1/4			
4 1/2	2,204.04	4 1/2	1,837.80	4 1/2	1,471.58	4 1/2	1,106.16	4 1/2	740.81	4 1/2	377.33	4 1/2	52.22	4 1/2		4 1/2			
4 3/4	2,196.41	4 3/4	1,830.17	4 3/4	1,463.96	4 3/4	1,098.56	4 3/4	733.17	4 3/4	370.03	4 3/4	46.02	4 3/4		4 3/4			
5	2,188.78	5	1,822.54	5	1,456.35	5	1,090.96	5	725.54	5	362.74	5	39.83	5		5			
5 1/4	2,181.15	5 1/4	1,814.91	5 1/4	1,448.74	5 1/4	1,083.36	5 1/4	717.91	5 1/4	355.54	5 1/4	34.32	5 1/4		5 1/4			
5 1/2	2,173.52	5 1/2	1,807.28	5 1/2	1,441.14	5 1/2	1,075.75	5 1/2	710.28	5 1/2	348.33	5 1/2	28.82	5 1/2		5 1/2			
5 3/4	2,165.89	5 3/4	1,799.65	5 3/4	1,433.54	5 3/4	1,068.15	5 3/4	702.65	5 3/4	341.12	5 3/4	23.32	5 3/4		5 3/4			
6	2,158.26	6	1,792.02	6	1,425.94	6	1,060.55	6	695.02	6	333.92	6	17.82	6		6			
6 1/4	2,150.63	6 1/4	1,784.39	6 1/4	1,418.33	6 1/4	1,052.95	6 1/4	687.39	6 1/4	326.79	6 1/4	14.26	6 1/4		6 1/4			
6 1/2	2,143.00	6 1/2	1,776.76	6 1/2	1,410.73	6 1/2	1,045.35	6 1/2	679.76	6 1/2	319.67	6 1/2	10.70	6 1/2		6 1/2			
6 3/4	2,135.37	6 3/4	1,769.13	6 3/4	1,403.13	6 3/4	1,037.75	6 3/4	672.13	6 3/4	312.55	6 3/4	7.14	6 3/4		6 3/4			
7	2,127.74	7	1,761.50	7	1,395.52	7	1,030.14	7	664.50	7	305.43	7	3.59	7		7			
7 1/4	2,120.11	7 1/4	1,753.87	7 1/4	1,387.92	7 1/4	1,022.54	7 1/4	656.87	7 1/4	298.39	7 1/4		7 1/4		7 1/4			
7 1/2	2,112.48	7 1/2	1,746.24	7 1/2	1,380.32	7 1/2	1,014.94	7 1/2	649.24	7 1/2	291.35	7 1/2		7 1/2		7 1/2			
7 3/4	2,104.85	7 3/4	1,738.61	7 3/4	1,372.72	7 3/4	1,007.34	7 3/4	641.61	7 3/4	284.32	7 3/4		7 3/4		7 3/4			
8	2,097.22	8	1,730.98	8	1,365.11	8	999.74	8	633.98	8	277.28	8		8		8			
8 1/4	2,089.59	8 1/4	1,723.35	8 1/4	1,357.51	8 1/4	992.14	8 1/4	626.35	8 1/4	270.33	8 1/4		8 1/4		8 1/4			
8 1/2	2,081.96	8 1/2	1,715.72	8 1/2	1,349.91	8 1/2	984.53	8 1/2	618.72	8 1/2	263.38	8 1/2		8 1/2		8 1/2			
8 3/4	2,074.33	8 3/4	1,708.09	8 3/4	1,342.30	8 3/4	976.93	8 3/4	611.09	8 3/4	256.42	8 3/4		8 3/4		8 3/4			
9	2,066.70	9	1,700.46	9	1,334.70	9	969.33	9	603.45	9	249.47	9		9		9			
9 1/4	2,059.07	9 1/4	1,692.83	9 1/4	1,327.10	9 1/4	961.73	9 1/4	595.82	9 1/4	242.60	9 1/4		9 1/4		9 1/4			
9 1/2	2,051.44	9 1/2	1,685.20	9 1/2	1,319.49	9 1/2	954.13	9 1/2	588.19	9 1/2	235.74	9 1/2		9 1/2		9 1/2			
9 3/4	2,043.81	9 3/4	1,677.57	9 3/4	1,311.89	9 3/4	946.53	9 3/4	580.56	9 3/4	228.87	9 3/4		9 3/4		9 3/4			
10	2,036.18	10	1,669.94	10	1,304.29	10	938.92	10	572.93	10	222.00	10		10		10			
10 1/4	2,028.55	10 1/4	1,662.31	10 1/4	1,296.67	10 1/4	931.32	10 1/4	565.30	10 1/4	215.22	10 1/4		10 1/4		10 1/4			
10 1/2	2,020.92	10 1/2	1,654.68	10 1/2	1,289.05	10 1/2	923.72	10 1/2	557.67	10 1/2	208.44	10 1/2		10 1/2		10 1/2			
10 3/4	2,013.29	10 3/4	1,647.05	10 3/4	1,281.44	10 3/4	916.12	10 3/4	550.04	10 3/4	201.65	10 3/4		10 3/4		10 3/4			
11	2,005.66	11	1,639.41	11	1,273.82	11	908.52	11	542.41	11	194.87	11		11		11			
11 1/4	1,998.03	11 1/4	1,631.78	11 1/4	1,266.19	11 1/4	900.91	11 1/4	534.78	11 1/4	188.17	11 1/4		11 1/4		11 1/4			
11 1/2	1,990.40	11 1/2	1,624.15	11 1/2	1,258.56	11 1/2	893.31	11 1/2	527.15	11 1/2	181.48	11 1/2		11 1/2		11 1/2			
11 3/4	1,982.77	11 3/4	1,616.52	11 3/4	1,250.93	11 3/4	885.71	11 3/4	519.51	11 3/4	174.78	11 3/4		11 3/4		11 3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/21/2009 CL - SW
CALCULATED: 05/21/2009 CL
PRINTED: 05/21/2009 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2009

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



BARGE "KIRBY 28102"

2 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	2,375.46	0	2,011.48	0	1,647.49	0	1,287.39	0	937.13	0	576.18	0	212.16	0					
1/4	2,367.87	1/4	2,003.89	1/4	1,639.91	1/4	1,279.80	1/4	929.86	1/4	568.60	1/4	204.58	1/4					
1/2	2,360.29	1/2	1,996.31	1/2	1,632.33	1/2	1,272.22	1/2	922.59	1/2	561.01	1/2	197.00	1/2					
3/4	2,352.71	3/4	1,988.73	3/4	1,624.74	3/4	1,264.64	3/4	915.32	3/4	553.43	3/4	189.42	3/4					
1	2,345.13	1	1,981.15	1	1,617.16	1	1,257.05	1	908.05	1	545.85	1	181.84	1					
1/4	2,337.54	1/4	1,973.56	1/4	1,609.58	1/4	1,249.62	1/4	900.77	1/4	538.26	1/4	174.26	1/4					
1/2	2,329.96	1/2	1,965.98	1/2	1,602.00	1/2	1,242.19	1/2	893.49	1/2	530.68	1/2	166.69	1/2					
3/4	2,322.38	3/4	1,958.40	3/4	1,594.41	3/4	1,234.76	3/4	886.20	3/4	523.10	3/4	159.11	3/4					
2	2,314.79	2	1,950.81	2	1,586.83	2	1,227.32	2	878.92	2	515.51	2	151.54	2					
1/4	2,307.21	1/4	1,943.23	1/4	1,579.25	1/4	1,220.05	1/4	871.49	1/4	507.93	1/4	143.98	1/4					
1/2	2,299.63	1/2	1,935.65	1/2	1,571.66	1/2	1,212.78	1/2	864.06	1/2	500.34	1/2	136.41	1/2					
3/4	2,292.05	3/4	1,928.06	3/4	1,564.08	3/4	1,205.51	3/4	856.63	3/4	492.76	3/4	128.85	3/4					
3	2,284.46	3	1,920.48	3	1,556.50	3	1,198.24	3	849.19	3	485.18	3	121.29	3					
1/4	2,276.88	1/4	1,912.90	1/4	1,549.00	1/4	1,190.99	1/4	841.61	1/4	477.59	1/4	113.75	1/4					
1/2	2,269.30	1/2	1,905.32	1/2	1,541.49	1/2	1,183.73	1/2	834.03	1/2	470.01	1/2	106.21	1/2					
3/4	2,261.71	3/4	1,897.73	3/4	1,533.99	3/4	1,176.48	3/4	826.44	3/4	462.42	3/4	98.66	3/4					
4	2,254.13	4	1,890.15	4	1,526.49	4	1,169.22	4	818.86	4	454.84	4	91.12	4					
1/4	2,246.55	1/4	1,882.57	1/4	1,519.07	1/4	1,161.97	1/4	811.28	1/4	447.26	1/4	83.61	1/4					
1/2	2,238.97	1/2	1,874.98	1/2	1,511.65	1/2	1,154.72	1/2	803.69	1/2	439.67	1/2	76.10	1/2					
3/4	2,231.38	3/4	1,867.40	3/4	1,504.23	3/4	1,147.47	3/4	796.11	3/4	432.09	3/4	68.59	3/4					
5	2,223.80	5	1,859.82	5	1,496.81	5	1,140.21	5	788.53	5	424.51	5	61.08	5					
1/4	2,216.22	1/4	1,852.23	1/4	1,489.38	1/4	1,132.96	1/4	780.94	1/4	416.92	1/4	54.18	1/4					
1/2	2,208.64	1/2	1,844.65	1/2	1,481.96	1/2	1,125.71	1/2	773.36	1/2	409.34	1/2	47.28	1/2					
3/4	2,201.05	3/4	1,837.07	3/4	1,474.54	3/4	1,118.45	3/4	765.78	3/4	401.75	3/4	40.38	3/4					
6	2,193.47	6	1,829.49	6	1,467.12	6	1,111.20	6	758.19	6	394.17	6	33.48	6					
1/4	2,185.89	1/4	1,821.90	1/4	1,459.70	1/4	1,103.95	1/4	750.61	1/4	386.59	1/4	28.42	1/4					
1/2	2,178.30	1/2	1,814.32	1/2	1,452.28	1/2	1,096.70	1/2	743.03	1/2	379.00	1/2	23.37	1/2					
3/4	2,170.72	3/4	1,806.74	3/4	1,444.86	3/4	1,089.44	3/4	735.44	3/4	371.42	3/4	18.32	3/4					
7	2,163.14	7	1,799.15	7	1,437.44	7	1,082.19	7	727.86	7	363.84	7	13.26	7					
1/4	2,155.56	1/4	1,791.57	1/4	1,430.02	1/4	1,074.94	1/4	720.27	1/4	356.25	1/4		1/4					
1/2	2,147.97	1/2	1,783.99	1/2	1,422.60	1/2	1,067.69	1/2	712.69	1/2	348.67	1/2		1/2					
3/4	2,140.39	3/4	1,776.40	3/4	1,415.18	3/4	1,060.43	3/4	705.11	3/4	341.08	3/4		3/4					
8	2,132.81	8	1,768.82	8	1,407.75	8	1,053.18	8	697.52	8	333.50	8		8					
1/4	2,125.22	1/4	1,761.24	1/4	1,400.33	1/4	1,045.93	1/4	689.94	1/4	325.92	1/4		1/4					
1/2	2,117.64	1/2	1,753.66	1/2	1,392.91	1/2	1,038.67	1/2	682.36	1/2	318.33	1/2		1/2					
3/4	2,110.06	3/4	1,746.07	3/4	1,385.49	3/4	1,031.42	3/4	674.77	3/4	310.75	3/4		3/4					
9	2,102.48	9	1,738.49	9	1,378.07	9	1,024.17	9	667.19	9	303.16	9		9					
1/4	2,094.89	1/4	1,730.91	1/4	1,370.57	1/4	1,016.92	1/4	659.60	1/4	295.58	1/4		1/4					
1/2	2,087.31	1/2	1,723.32	1/2	1,363.06	1/2	1,009.66	1/2	652.02	1/2	288.00	1/2		1/2					
3/4	2,079.73	3/4	1,715.74	3/4	1,355.56	3/4	1,002.41	3/4	644.44	3/4	280.41	3/4		3/4					
10	2,072.14	10	1,708.16	10	1,348.06	10	995.16	10	636.85	10	272.83	10		10					
1/4	2,064.56	1/4	1,700.57	1/4	1,340.47	1/4	987.90	1/4	629.27	1/4	265.25	1/4		1/4					
1/2	2,056.98	1/2	1,692.99	1/2	1,332.89	1/2	980.65	1/2	621.68	1/2	257.66	1/2		1/2					
3/4	2,049.40	3/4	1,685.41	3/4	1,325.31	3/4	973.40	3/4	614.10	3/4	250.08	3/4		3/4					
11	2,041.81	11	1,677.83	11	1,317.72	11	966.15	11	606.52	11	242.49	11		11					
1/4	2,034.23	1/4	1,670.24	1/4	1,310.14	1/4	958.89	1/4	598.93	1/4	234.91	1/4		1/4					
1/2	2,026.65	1/2	1,662.66	1/2	1,302.56	1/2	951.64	1/2	591.35	1/2	227.33	1/2		1/2					
3/4	2,019.06	3/4	1,655.08	3/4	1,294.97	3/4	944.38	3/4	583.77	3/4	219.74	3/4		3/4					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/21/2009 CL - SW
 CALCULATED: 08/21/2009 CL
 PRINTED: 08/21/2009 SW
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2009

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



BARGE "KIRBY 28102"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NIPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28102"

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	2,399.86	0	2,035.71	0	1,671.56	0	1,311.28	0	948.15	0	584.04	0	219.85	0	0	0	0	0	0
1/4	2,392.28	1/4	2,028.13	1/4	1,663.97	1/4	1,303.89	1/4	940.59	1/4	576.46	1/4	212.28	1/4	0	0	0	0	0
1/2	2,384.69	1/2	2,020.54	1/2	1,656.38	1/2	1,296.51	1/2	933.02	1/2	568.87	1/2	204.68	1/2	0	0	0	0	0
3/4	2,377.11	3/4	2,012.95	3/4	1,648.80	3/4	1,288.52	3/4	925.44	3/4	561.28	3/4	197.09	3/4	0	0	0	0	0
1	2,369.52	1	2,005.37	1	1,641.21	1	1,280.93	1	917.87	1	553.69	1	189.51	1	0	0	0	0	0
1 1/4	2,361.93	1 1/4	1,997.78	1 1/4	1,633.62	1 1/4	1,273.34	1 1/4	910.29	1 1/4	546.11	1 1/4	181.92	1 1/4	0	0	0	0	0
1 1/2	2,354.35	1 1/2	1,990.19	1 1/2	1,626.04	1 1/2	1,265.76	1 1/2	902.70	1 1/2	538.52	1 1/2	174.34	1 1/2	0	0	0	0	0
2	2,346.76	2	1,982.61	2	1,618.45	2	1,258.17	2	895.12	2	530.93	2	166.77	2	0	0	0	0	0
2 1/4	2,339.17	2 1/4	1,975.02	2 1/4	1,610.86	2 1/4	1,250.58	2 1/4	887.53	2 1/4	523.34	2 1/4	159.19	2 1/4	0	0	0	0	0
2 1/2	2,331.59	2 1/2	1,967.43	2 1/2	1,603.28	2 1/2	1,242.99	2 1/2	879.94	2 1/2	515.76	2 1/2	151.61	2 1/2	0	0	0	0	0
3	2,324.00	3	1,959.85	3	1,595.69	3	1,235.42	3	872.36	3	508.17	3	144.04	3	0	0	0	0	0
3 1/4	2,316.41	3 1/4	1,952.26	3 1/4	1,588.10	3 1/4	1,227.85	3 1/4	864.77	3 1/4	500.58	3 1/4	136.48	3 1/4	0	0	0	0	0
3 1/2	2,308.83	3 1/2	1,944.67	3 1/2	1,580.52	3 1/2	1,220.27	3 1/2	857.18	3 1/2	492.99	3 1/2	128.91	3 1/2	0	0	0	0	0
4	2,301.24	4	1,937.09	4	1,572.93	4	1,212.70	4	849.60	4	485.41	4	121.35	4	0	0	0	0	0
4 1/4	2,293.65	4 1/4	1,929.50	4 1/4	1,565.42	4 1/4	1,205.14	4 1/4	842.01	4 1/4	477.82	4 1/4	113.80	4 1/4	0	0	0	0	0
4 1/2	2,286.07	4 1/2	1,921.91	4 1/2	1,557.92	4 1/2	1,197.58	4 1/2	834.42	4 1/2	470.23	4 1/2	106.26	4 1/2	0	0	0	0	0
5	2,278.48	5	1,914.33	5	1,550.41	5	1,190.02	5	826.83	5	462.64	5	98.71	5	0	0	0	0	0
5 1/4	2,270.90	5 1/4	1,906.74	5 1/4	1,542.91	5 1/4	1,182.46	5 1/4	819.25	5 1/4	455.06	5 1/4	91.16	5 1/4	0	0	0	0	0
5 1/2	2,263.31	5 1/2	1,899.15	5 1/2	1,535.48	5 1/2	1,174.90	5 1/2	811.66	5 1/2	447.47	5 1/2	83.65	5 1/2	0	0	0	0	0
6	2,255.72	6	1,891.57	6	1,528.06	6	1,167.34	6	804.07	6	439.88	6	76.14	6	0	0	0	0	0
6 1/4	2,248.14	6 1/4	1,883.98	6 1/4	1,520.63	6 1/4	1,159.78	6 1/4	796.49	6 1/4	432.29	6 1/4	68.63	6 1/4	0	0	0	0	0
6 1/2	2,240.55	6 1/2	1,876.39	6 1/2	1,513.21	6 1/2	1,152.22	6 1/2	788.90	6 1/2	424.71	6 1/2	61.11	6 1/2	0	0	0	0	0
7	2,232.96	7	1,868.81	7	1,505.79	7	1,144.67	7	781.31	7	417.12	7	54.21	7	0	0	0	0	0
7 1/4	2,225.38	7 1/4	1,861.22	7 1/4	1,498.36	7 1/4	1,137.11	7 1/4	773.73	7 1/4	409.53	7 1/4	47.30	7 1/4	0	0	0	0	0
7 1/2	2,217.79	7 1/2	1,853.63	7 1/2	1,490.94	7 1/2	1,129.55	7 1/2	766.14	7 1/2	394.36	7 1/2	40.40	7 1/2	0	0	0	0	0
8	2,210.20	8	1,846.05	8	1,483.51	8	1,121.99	8	758.55	8	386.77	8	33.49	8	0	0	0	0	0
8 1/4	2,202.62	8 1/4	1,838.47	8 1/4	1,476.09	8 1/4	1,114.43	8 1/4	750.96	8 1/4	379.18	8 1/4	28.44	8 1/4	0	0	0	0	0
8 1/2	2,195.03	8 1/2	1,830.87	8 1/2	1,468.66	8 1/2	1,106.88	8 1/2	743.38	8 1/2	371.60	8 1/2	23.38	8 1/2	0	0	0	0	0
9	2,187.45	9	1,823.29	9	1,461.24	9	1,099.32	9	735.79	9	364.01	9	18.33	9	0	0	0	0	0
9 1/4	2,179.86	9 1/4	1,815.70	9 1/4	1,453.81	9 1/4	1,091.76	9 1/4	728.20	9 1/4	356.42	9 1/4	13.27	9 1/4	0	0	0	0	0
9 1/2	2,172.27	9 1/2	1,808.11	9 1/2	1,446.39	9 1/2	1,084.20	9 1/2	720.62	9 1/2	348.83	9 1/2	8.21	9 1/2	0	0	0	0	0
10	2,164.69	10	1,800.53	10	1,438.97	10	1,076.64	10	713.03	10	341.25	10	3.15	10	0	0	0	0	0
10 1/4	2,157.10	10 1/4	1,792.94	10 1/4	1,431.54	10 1/4	1,069.08	10 1/4	705.44	10 1/4	333.66	10 1/4	0	10 1/4	0	0	0	0	0
10 1/2	2,149.51	10 1/2	1,785.35	10 1/2	1,424.12	10 1/2	1,061.53	10 1/2	697.86	10 1/2	326.07	10 1/2	0	0	0	0	0	0	0
11	2,141.93	11	1,777.77	11	1,416.69	11	1,053.97	11	690.27	11	318.48	11	0	0	0	0	0	0	0
11 1/4	2,134.34	11 1/4	1,770.18	11 1/4	1,409.27	11 1/4	1,046.41	11 1/4	682.68	11 1/4	310.90	11 1/4	0	0	0	0	0	0	0
11 1/2	2,126.75	11 1/2	1,762.59	11 1/2	1,401.84	11 1/2	1,038.85	11 1/2	675.09	11 1/2	303.31	11 1/2	0	0	0	0	0	0	0
12	2,119.17	12	1,755.01	12	1,394.42	12	1,031.29	12	667.50	12	295.72	12	0	0	0	0	0	0	0
12 1/4	2,111.58	12 1/4	1,747.42	12 1/4	1,386.91	12 1/4	1,023.74	12 1/4	659.92	12 1/4	288.13	12 1/4	0	0	0	0	0	0	0
12 1/2	2,103.99	12 1/2	1,739.84	12 1/2	1,379.40	12 1/2	1,016.18	12 1/2	652.33	12 1/2	280.55	12 1/2	0	0	0	0	0	0	0
13	2,096.41	13	1,732.25	13	1,371.90	13	1,008.62	13	644.74	13	272.96	13	0	0	0	0	0	0	0
13 1/4	2,088.82	13 1/4	1,724.66	13 1/4	1,364.39	13 1/4	1,001.06	13 1/4	637.15	13 1/4	265.37	13 1/4	0	0	0	0	0	0	0
13 1/2	2,081.24	13 1/2	1,717.08	13 1/2	1,356.80	13 1/2	993.50	13 1/2	629.57	13 1/2	257.78	13 1/2	0	0	0	0	0	0	0
14	2,073.65	14	1,709.49	14	1,349.22	14	985.95	14	621.98	14	250.20	14	0	0	0	0	0	0	0
14 1/4	2,066.06	14 1/4	1,701.90	14 1/4	1,341.63	14 1/4	978.39	14 1/4	614.39	14 1/4	242.61	14 1/4	0	0	0	0	0	0	0
14 1/2	2,058.48	14 1/2	1,694.32	14 1/2	1,334.04	14 1/2	970.83	14 1/2	606.80	14 1/2	235.02	14 1/2	0	0	0	0	0	0	0
15	2,050.89	15	1,686.73	15	1,326.45	15	963.27	15	599.22	15	227.44	15	0	0	0	0	0	0	0
15 1/4	2,043.30	15 1/4	1,679.14	15 1/4	1,318.87	15 1/4	955.71	15 1/4	591.63	15 1/4	227.44	15 1/4	0	0	0	0	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/21/2009 CL - SW
CALCULATED: 05/21/2009 CL
PRINTED: 05/21/2009 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2009

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



BARGE "KIRBY 28102"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

IN	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13

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 53'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

http://www.pmacorp.net



BARGE "KIRBY 28102"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

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	2,307.49	0	1,943.69	0	1,579.95	0	1,220.68	0	866.00	0	509.12	0	144.63	0		0			
1/4	2,299.91	1/4	1,936.11	1/4	1,572.40	1/4	1,213.12	1/4	858.53	1/4	501.52	1/4	137.35	1/4		1/4			
1/2	2,292.33	1/2	1,928.53	1/2	1,564.84	1/2	1,205.54	1/2	851.27	1/2	493.92	1/2	130.07	1/2		1/2			
3/4	2,284.75	3/4	1,920.95	3/4	1,557.28	3/4	1,197.99	3/4	843.91	3/4	486.32	3/4	122.78	3/4		3/4			
1	2,277.17	1	1,913.37	1	1,549.73	1	1,190.42	1	836.53	1	478.72	1	116.45	1		1			
1 1/4	2,269.59	1 1/4	1,905.29	1 1/4	1,542.17	1 1/4	1,182.86	1 1/4	829.16	1 1/4	471.12	1 1/4	110.12	1 1/4		1 1/4			
1 1/2	2,262.01	1 1/2	1,898.21	1 1/2	1,534.62	1 1/2	1,175.30	1 1/2	821.78	1 1/2	463.52	1 1/2	103.79	1 1/2		1 1/2			
2	2,254.43	2	1,890.63	2	1,527.06	2	1,167.73	2	814.40	2	455.92	2	97.45	2		2			
2 1/2	2,246.85	2 1/2	1,883.05	2 1/2	1,519.51	2 1/2	1,160.27	2 1/2	807.01	2 1/2	448.32	2 1/2	92.39	2 1/2		2 1/2			
3	2,239.27	3	1,875.47	3	1,511.95	3	1,152.82	3	799.63	3	440.72	3	87.33	3		3			
3 1/4	2,231.69	3 1/4	1,867.89	3 1/4	1,504.39	3 1/4	1,145.36	3 1/4	792.24	3 1/4	433.12	3 1/4	82.27	3 1/4		3 1/4			
3 1/2	2,224.12	3 1/2	1,860.32	3 1/2	1,496.84	3 1/2	1,137.90	3 1/2	784.85	3 1/2	425.52	3 1/2	77.21	3 1/2		3 1/2			
3 3/4	2,216.54	3 3/4	1,852.74	3 3/4	1,489.28	3 3/4	1,130.55	3 3/4	777.46	3 3/4	417.92	3 3/4	73.43	3 3/4		3 3/4			
4	2,208.96	4	1,845.16	4	1,481.73	4	1,123.20	4	770.07	4	410.32	4	69.65	4		4			
4 1/4	2,201.38	4 1/4	1,837.58	4 1/4	1,474.17	4 1/4	1,115.85	4 1/4	762.68	4 1/4	402.72	4 1/4	65.87	4 1/4		4 1/4			
4 1/2	2,193.80	4 1/2	1,830.00	4 1/2	1,466.61	4 1/2	1,108.50	4 1/2	755.29	4 1/2	395.12	4 1/2	62.08	4 1/2		4 1/2			
4 3/4	2,186.22	4 3/4	1,822.42	4 3/4	1,459.14	4 3/4	1,101.15	4 3/4	747.90	4 3/4	387.52	4 3/4	59.59	4 3/4		4 3/4			
5	2,178.64	5	1,814.84	5	1,451.67	5	1,093.81	5	740.51	5	379.92	5	57.09	5		5			
5 1/4	2,171.06	5 1/4	1,807.26	5 1/4	1,444.19	5 1/4	1,086.47	5 1/4	733.12	5 1/4	372.32	5 1/4	54.59	5 1/4		5 1/4			
5 1/2	2,163.48	5 1/2	1,799.68	5 1/2	1,436.72	5 1/2	1,079.12	5 1/2	725.73	5 1/2	364.72	5 1/2	52.09	5 1/2		5 1/2			
5 3/4	2,155.90	5 3/4	1,792.10	5 3/4	1,429.31	5 3/4	1,071.78	5 3/4	718.34	5 3/4	357.12	5 3/4	50.89	5 3/4		5 3/4			
6	2,148.32	6	1,784.52	6	1,421.90	6	1,064.44	6	710.95	6	349.52	6	49.69	6		6			
6 1/4	2,140.75	6 1/4	1,776.94	6 1/4	1,414.50	6 1/4	1,057.10	6 1/4	703.56	6 1/4	341.92	6 1/4	48.50	6 1/4		6 1/4			
6 1/2	2,133.17	6 1/2	1,769.36	6 1/2	1,407.09	6 1/2	1,049.75	6 1/2	696.17	6 1/2	334.32	6 1/2	47.30	6 1/2		6 1/2			
6 3/4	2,125.59	6 3/4	1,761.78	6 3/4	1,399.67	6 3/4	1,042.41	6 3/4	688.79	6 3/4	326.72	6 3/4	46.11	6 3/4		6 3/4			
7	2,118.01	7	1,754.21	7	1,392.26	7	1,035.07	7	681.40	7	319.12	7	44.92	7		7			
7 1/4	2,110.43	7 1/4	1,746.63	7 1/4	1,384.84	7 1/4	1,027.73	7 1/4	674.01	7 1/4	311.52	7 1/4	43.73	7 1/4		7 1/4			
7 1/2	2,102.85	7 1/2	1,739.05	7 1/2	1,377.42	7 1/2	1,020.39	7 1/2	666.62	7 1/2	303.92	7 1/2	42.54	7 1/2		7 1/2			
7 3/4	2,095.27	7 3/4	1,731.47	7 3/4	1,370.00	7 3/4	1,013.04	7 3/4	659.23	7 3/4	296.32	7 3/4	41.35	7 3/4		7 3/4			
8	2,087.69	8	1,723.89	8	1,362.58	8	1,005.70	8	651.84	8	288.72	8	40.16	8		8			
8 1/4	2,080.11	8 1/4	1,716.31	8 1/4	1,355.17	8 1/4	998.36	8 1/4	644.45	8 1/4	281.12	8 1/4	38.97	8 1/4		8 1/4			
8 1/2	2,072.53	8 1/2	1,708.73	8 1/2	1,347.75	8 1/2	991.02	8 1/2	637.06	8 1/2	273.52	8 1/2	37.78	8 1/2		8 1/2			
8 3/4	2,064.95	8 3/4	1,701.15	8 3/4	1,340.33	8 3/4	983.67	8 3/4	629.67	8 3/4	265.92	8 3/4	36.59	8 3/4		8 3/4			
9	2,057.38	9	1,693.57	9	1,332.91	9	976.33	9	622.28	9	258.32	9	35.40	9		9			
9 1/4	2,049.80	9 1/4	1,685.99	9 1/4	1,325.49	9 1/4	968.99	9 1/4	614.89	9 1/4	250.72	9 1/4	34.21	9 1/4		9 1/4			
9 1/2	2,042.22	9 1/2	1,678.41	9 1/2	1,318.07	9 1/2	961.65	9 1/2	607.50	9 1/2	243.12	9 1/2	33.02	9 1/2		9 1/2			
9 3/4	2,034.64	9 3/4	1,670.83	9 3/4	1,310.66	9 3/4	954.30	9 3/4	600.01	9 3/4	235.52	9 3/4	31.83	9 3/4		9 3/4			
10	2,027.06	10	1,663.25	10	1,303.25	10	946.94	10	592.51	10	227.92	10	30.64	10		10			
10 1/4	2,019.48	10 1/4	1,655.67	10 1/4	1,295.84	10 1/4	939.59	10 1/4	585.02	10 1/4	220.32	10 1/4	29.45	10 1/4		10 1/4			
10 1/2	2,011.90	10 1/2	1,648.10	10 1/2	1,288.43	10 1/2	932.24	10 1/2	577.52	10 1/2	212.72	10 1/2	28.26	10 1/2		10 1/2			
10 3/4	2,004.32	10 3/4	1,640.52	10 3/4	1,280.95	10 3/4	924.88	10 3/4	569.92	10 3/4	205.12	10 3/4	27.07	10 3/4		10 3/4			
11	1,996.74	11	1,632.94	11	1,273.47	11	917.52	11	562.32	11	197.52	11	25.88	11		11			
11 1/4	1,989.16	11 1/4	1,625.36	11 1/4	1,265.98	11 1/4	910.16	11 1/4	554.72	11 1/4	189.92	11 1/4	24.69	11 1/4		11 1/4			
11 1/2	1,981.58	11 1/2	1,617.78	11 1/2	1,258.50	11 1/2	902.80	11 1/2	547.12	11 1/2	182.32	11 1/2	23.50	11 1/2		11 1/2			
11 3/4	1,974.01	11 3/4	1,610.21	11 3/4	1,250.94	11 3/4	895.44	11 3/4	539.52	11 3/4	174.72	11 3/4	22.31	11 3/4		11 3/4			
12	1,966.43	12	1,602.64	12	1,243.37	12	888.08	12	531.92	12	167.12	12	21.12	12		12			
12 1/4	1,958.85	12 1/4	1,595.08	12 1/4	1,235.81	12 1/4	880.72	12 1/4	524.32	12 1/4	159.52	12 1/4	20.93	12 1/4		12 1/4			
12 1/2	1,951.27	12 1/2	1,587.51	12 1/2	1,228.24	12 1/2	873.36	12 1/2	516.72	12 1/2	151.92	12 1/2	19.74	12 1/2		12 1/2			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/21/2009 CL - SW
CALCULATED: 05/21/2009 CL
PRINTED: 05/21/2009 SW

PRECISION MEASUREMENT & ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 28102"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

IN	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4,995.74	4,995.74	4,995.74	4,995.74	4,995.74	4,995.74	4,995.74	4,995.74	4,995.74	4,995.74	4,995.74	4,995.74	4,995.74	4,995.74	4,995.74	4,995.74	4,995.74	4,995.74	4,995.74	4,995.74	4,995.74

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
http://www.pmatcorp.net

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 53'-00" FORWARD OF AFT BULKHEAD.



BARGE "KIRBY 28102"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	2,327.99	1/4	1,953.23	0	1,598.46	0	1,237.58	0	873.78	0	509.12	0	144.63	0					
1/4	2,320.39	1/4	1,955.63	1/4	1,590.87	1/4	1,229.98	1/4	866.21	1/4	501.52	1/4	137.35	1/4					
1/2	2,312.79	1/2	1,948.03	1/2	1,583.27	1/2	1,222.38	1/2	858.64	1/2	493.92	1/2	130.06	1/2					
3/4	2,305.19	3/4	1,940.43	3/4	1,575.67	3/4	1,214.78	3/4	851.06	3/4	486.32	3/4	122.78	3/4					
1	2,297.60	1	1,932.83	1	1,568.07	1	1,207.18	1	843.48	1	478.72	1	116.45	1					
1/4	2,290.00	1/4	1,925.23	1/4	1,560.47	1/4	1,199.58	1/4	835.89	1/4	471.12	1/4	110.12	1/4					
1/2	2,282.40	1/2	1,917.63	1/2	1,552.87	1/2	1,191.98	1/2	828.30	1/2	463.52	1/2	103.78	1/2					
3/4	2,274.80	3/4	1,910.04	3/4	1,545.27	3/4	1,184.38	3/4	820.71	3/4	455.92	3/4	97.45	3/4					
2	2,267.20	2	1,902.44	2	1,537.67	2	1,176.78	2	813.12	2	448.32	2	92.39	2					
1/4	2,259.60	1/4	1,894.84	1/4	1,530.07	1/4	1,169.18	1/4	805.52	1/4	440.72	1/4	87.33	1/4					
1/2	2,252.00	1/2	1,887.24	1/2	1,522.47	1/2	1,161.58	1/2	797.92	1/2	433.12	1/2	82.27	1/2					
3/4	2,244.40	3/4	1,879.64	3/4	1,514.87	3/4	1,153.98	3/4	790.32	3/4	425.52	3/4	77.21	3/4					
3	2,236.80	3	1,872.04	3	1,507.27	3	1,146.39	3	782.72	3	417.92	3	73.43	3					
1/4	2,229.20	1/4	1,864.44	1/4	1,499.67	1/4	1,138.80	1/4	775.12	1/4	410.32	1/4	69.65	1/4					
1/2	2,221.60	1/2	1,856.84	1/2	1,492.07	1/2	1,131.22	1/2	767.52	1/2	402.72	1/2	65.86	1/2					
3/4	2,214.01	3/4	1,849.24	3/4	1,484.47	3/4	1,123.63	3/4	759.92	3/4	395.12	3/4	62.08	3/4					
4	2,206.41	4	1,841.64	4	1,476.86	4	1,116.06	4	752.32	4	387.52	4	59.58	4					
1/4	2,198.81	1/4	1,834.04	1/4	1,469.26	1/4	1,108.48	1/4	744.72	1/4	379.92	1/4	57.09	1/4					
1/2	2,191.21	1/2	1,826.44	1/2	1,461.66	1/2	1,100.91	1/2	737.12	1/2	372.32	1/2	54.59	1/2					
3/4	2,183.61	3/4	1,818.84	3/4	1,454.06	3/4	1,093.34	3/4	729.52	3/4	364.72	3/4	52.09	3/4					
5	2,176.01	5	1,811.24	5	1,446.46	5	1,085.77	5	721.92	5	357.12	5	50.89	5					
1/4	2,168.41	1/4	1,803.65	1/4	1,438.86	1/4	1,078.20	1/4	714.32	1/4	349.52	1/4	49.69	1/4					
1/2	2,160.81	1/2	1,796.05	1/2	1,431.26	1/2	1,070.63	1/2	706.72	1/2	341.92	1/2	48.49	1/2					
3/4	2,153.21	3/4	1,788.45	3/4	1,423.66	3/4	1,063.05	3/4	699.12	3/4	334.32	3/4	47.30	3/4					
6	2,145.61	6	1,780.85	6	1,416.06	6	1,055.48	6	691.52	6	326.72	6		6					
1/4	2,138.01	1/4	1,773.25	1/4	1,408.46	1/4	1,047.91	1/4	683.92	1/4	319.12	1/4		1/4					
1/2	2,130.42	1/2	1,765.65	1/2	1,400.86	1/2	1,040.34	1/2	676.32	1/2	311.52	1/2		1/2					
3/4	2,122.82	3/4	1,758.05	3/4	1,393.26	3/4	1,032.77	3/4	668.72	3/4	303.92	3/4		3/4					
7	2,115.22	7	1,750.45	7	1,385.66	7	1,025.20	7	661.12	7	296.32	7		7					
1/4	2,107.62	1/4	1,742.85	1/4	1,378.06	1/4	1,017.63	1/4	653.52	1/4	288.72	1/4		1/4					
1/2	2,100.02	1/2	1,735.25	1/2	1,370.46	1/2	1,010.06	1/2	645.92	1/2	281.12	1/2		1/2					
3/4	2,092.42	3/4	1,727.65	3/4	1,362.86	3/4	1,002.49	3/4	638.32	3/4	273.52	3/4		3/4					
8	2,084.82	8	1,720.05	8	1,355.26	8	994.92	8	630.72	8	265.92	8		8					
1/4	2,077.22	1/4	1,712.45	1/4	1,347.66	1/4	987.35	1/4	623.12	1/4	258.32	1/4		1/4					
1/2	2,069.62	1/2	1,704.85	1/2	1,340.06	1/2	979.78	1/2	615.52	1/2	250.72	1/2		1/2					
3/4	2,062.02	3/4	1,697.25	3/4	1,332.46	3/4	972.20	3/4	607.92	3/4	243.12	3/4		3/4					
9	2,054.42	9	1,689.65	9	1,324.86	9	964.63	9	600.32	9	235.52	9		9					
1/4	2,046.83	1/4	1,682.05	1/4	1,317.26	1/4	957.06	1/4	592.72	1/4	227.92	1/4		1/4					
1/2	2,039.23	1/2	1,674.45	1/2	1,309.66	1/2	949.49	1/2	585.12	1/2	220.32	1/2		1/2					
3/4	2,031.63	3/4	1,666.85	3/4	1,302.06	3/4	941.92	3/4	577.52	3/4	212.72	3/4		3/4					
10	2,024.03	10	1,659.25	10	1,294.46	10	934.35	10	569.92	10	205.12	10		10					
1/4	2,016.43	1/4	1,651.65	1/4	1,286.86	1/4	926.78	1/4	562.32	1/4	197.52	1/4		1/4					
1/2	2,008.83	1/2	1,644.05	1/2	1,279.26	1/2	919.21	1/2	554.72	1/2	189.92	1/2		1/2					
3/4	2,001.23	3/4	1,636.45	3/4	1,271.66	3/4	911.64	3/4	547.12	3/4	182.32	3/4		3/4					
11	1,993.63	11	1,628.85	11	1,264.06	11	904.07	11	539.52	11	174.72	11		11					
1/4	1,986.03	1/4	1,621.25	1/4	1,256.46	1/4	896.50	1/4	531.92	1/4	167.12	1/4		1/4					
1/2	1,978.43	1/2	1,613.65	1/2	1,248.86	1/2	888.93	1/2	524.32	1/2	159.52	1/2		1/2					
3/4	1,970.83	3/4	1,606.05	3/4	1,241.26	3/4	881.35	3/4	516.72	3/4	151.92	3/4		3/4					

GAUGE HEIGHT 16'-05 3/4"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/21/2009 CL - SW
CALCULATED: 05/21/2009 CL
PRINTED: 05/21/2009 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2009

PRECISION MEASUREMENT
& ANALYSIS, INC.

P. O. Box 2082
Pearland, Texas 77588
<http://www.pmtacorp.net>