



BARGE "KIRBY 28100"

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	02-0/8	- 02-0/8	02-1/2	- 02-1/2	03-0/8	- 03-0/8
2 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
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: 221'-00"

May 10, 2009

PRECISION MEASUREMENT

& ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28100"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS												GAUGE HEIGHT 16'-07"							
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
4,834.13	4,834.13	4,834.13	4,834.13	4,834.13	4,834.13	4,834.13	4,834.13	4,834.13	4,834.13	4,834.13	4,834.13	4,834.13	4,834.13	4,834.13	4,834.13	4,834.13	4,834.13	4,834.13	4,834.13

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NIMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS 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 28100"

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT: 16'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,342.22	0	1,975.64	0	1,609.04	0	1,243.09	0	878.77	0	512.38	0	168.25	0					
1/4	2,334.58	1/4	1,968.00	1/4	1,601.40	1/4	1,235.45	1/4	871.18	1/4	504.76	1/4	161.63	1/4					
1/2	2,326.94	1/2	1,960.36	1/2	1,593.76	1/2	1,227.81	1/2	863.58	1/2	497.14	1/2	155.01	1/2					
3/4	2,319.31	3/4	1,952.72	3/4	1,586.12	3/4	1,220.17	3/4	855.98	3/4	489.53	3/4	148.40	3/4					
1	2,311.67	1	1,945.09	1	1,578.49	1	1,212.54	1	848.39	1	481.91	1	141.78	1					
1/4	2,304.03	1/4	1,937.45	1/4	1,570.85	1/4	1,204.91	1/4	840.76	1/4	474.36	1/4	135.26	1/4					
1/2	2,296.39	1/2	1,929.81	1/2	1,563.21	1/2	1,197.29	1/2	833.14	1/2	466.80	1/2	128.73	1/2					
3/4	2,288.76	3/4	1,922.17	3/4	1,555.57	3/4	1,189.67	3/4	825.52	3/4	459.25	3/4	122.21	3/4					
2	2,281.12	2	1,914.54	2	1,547.94	2	1,182.04	2	817.90	2	451.70	2	115.68	2					
1/4	2,273.48	1/4	1,906.90	1/4	1,540.30	1/4	1,174.45	1/4	810.26	1/4	444.23	1/4	109.26	1/4					
1/2	2,265.84	1/2	1,899.26	1/2	1,532.66	1/2	1,166.85	1/2	802.62	1/2	436.76	1/2	102.83	1/2					
3/4	2,258.21	3/4	1,891.62	3/4	1,525.02	3/4	1,159.25	3/4	794.98	3/4	429.29	3/4	96.40	3/4					
3	2,250.57	3	1,883.99	3	1,517.39	3	1,151.66	3	787.34	3	421.82	3	89.97	3					
1/4	2,242.93	1/4	1,876.35	1/4	1,509.75	1/4	1,144.08	1/4	779.71	1/4	414.44	1/4	83.65	1/4					
1/2	2,235.30	1/2	1,868.71	1/2	1,502.11	1/2	1,136.49	1/2	772.07	1/2	407.06	1/2	77.33	1/2					
3/4	2,227.66	3/4	1,861.07	3/4	1,494.47	3/4	1,128.91	3/4	764.43	3/4	399.67	3/4	71.01	3/4					
4	2,220.02	4	1,853.44	4	1,486.84	4	1,121.33	4	756.79	4	392.29	4	64.68	4					
1/4	2,212.38	1/4	1,845.80	1/4	1,479.21	1/4	1,113.75	1/4	749.16	1/4	384.99	1/4	58.48	1/4					
1/2	2,204.75	1/2	1,838.16	1/2	1,471.59	1/2	1,106.17	1/2	741.52	1/2	377.69	1/2	52.27	1/2					
3/4	2,197.11	3/4	1,830.52	3/4	1,463.96	3/4	1,098.59	3/4	733.88	3/4	370.39	3/4	46.07	3/4					
5	2,189.47	5	1,822.89	5	1,456.34	5	1,091.01	5	726.24	5	363.10	5	39.87	5					
1/4	2,181.84	1/4	1,815.25	1/4	1,448.73	1/4	1,083.43	1/4	718.60	1/4	355.88	1/4	34.36	1/4					
1/2	2,174.20	1/2	1,807.61	1/2	1,441.12	1/2	1,075.85	1/2	710.97	1/2	348.67	1/2	28.85	1/2					
3/4	2,166.56	3/4	1,799.97	3/4	1,433.51	3/4	1,068.27	3/4	703.33	3/4	341.45	3/4	23.34	3/4					
6	2,158.92	6	1,792.34	6	1,425.90	6	1,060.69	6	695.69	6	334.24	6	17.84	6					
1/4	2,151.29	1/4	1,784.70	1/4	1,418.29	1/4	1,053.11	1/4	688.05	1/4	327.11	1/4	14.27	1/4					
1/2	2,143.65	1/2	1,777.06	1/2	1,410.68	1/2	1,045.53	1/2	680.42	1/2	319.98	1/2	10.71	1/2					
3/4	2,136.01	3/4	1,769.42	3/4	1,403.07	3/4	1,037.95	3/4	672.78	3/4	312.85	3/4	7.15	3/4					
7	2,128.38	7	1,761.79	7	1,395.46	7	1,030.37	7	665.14	7	305.73	7	3.59	7					
1/4	2,120.74	1/4	1,754.15	1/4	1,387.85	1/4	1,022.79	1/4	657.50	1/4	298.68	1/4		1/4					
1/2	2,113.10	1/2	1,746.51	1/2	1,380.24	1/2	1,015.21	1/2	649.86	1/2	291.64	1/2		1/2					
3/4	2,105.46	3/4	1,738.87	3/4	1,372.63	3/4	1,007.63	3/4	642.23	3/4	284.59	3/4		3/4					
8	2,097.83	8	1,731.24	8	1,365.02	8	1,000.05	8	634.59	8	277.55	8		8					
1/4	2,090.19	1/4	1,723.60	1/4	1,357.41	1/4	992.48	1/4	626.95	1/4	270.59	1/4		1/4					
1/2	2,082.55	1/2	1,715.96	1/2	1,349.80	1/2	984.90	1/2	619.31	1/2	263.63	1/2		1/2					
3/4	2,074.91	3/4	1,708.32	3/4	1,342.19	3/4	977.32	3/4	611.67	3/4	256.67	3/4		3/4					
9	2,067.28	9	1,700.69	9	1,334.58	9	969.74	9	604.04	9	249.72	9		9					
1/4	2,059.64	1/4	1,693.05	1/4	1,326.97	1/4	962.16	1/4	596.40	1/4	242.84	1/4		1/4					
1/2	2,052.00	1/2	1,685.41	1/2	1,319.36	1/2	954.58	1/2	588.76	1/2	235.97	1/2		1/2					
3/4	2,044.37	3/4	1,677.77	3/4	1,311.75	3/4	947.00	3/4	581.12	3/4	229.09	3/4		3/4					
10	2,036.73	10	1,670.14	10	1,304.14	10	939.42	10	573.48	10	222.22	10		10					
1/4	2,029.09	1/4	1,662.50	1/4	1,296.51	1/4	931.84	1/4	565.85	1/4	215.43	1/4		1/4					
1/2	2,021.45	1/2	1,654.86	1/2	1,288.89	1/2	924.26	1/2	558.21	1/2	208.64	1/2		1/2					
3/4	2,013.82	3/4	1,647.22	3/4	1,281.27	3/4	916.68	3/4	550.57	3/4	201.85	3/4		3/4					
11	2,006.18	11	1,639.59	11	1,273.64	11	909.10	11	542.93	11	195.06	11		11					
1/4	1,998.54	1/4	1,631.95	1/4	1,266.00	1/4	901.52	1/4	535.29	1/4	188.36	1/4		1/4					
1/2	1,990.91	1/2	1,624.31	1/2	1,258.36	1/2	893.93	1/2	527.65	1/2	181.66	1/2		1/2					
3/4	1,983.27	3/4	1,616.67	3/4	1,250.73	3/4	886.35	3/4	520.02	3/4	174.95	3/4		3/4					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/07/2009 CL - SW
 CALCULATED: 05/08/2009 CL
 PRINTED: 05/10/2009 CL
 CANCELLED AND SUPERCEDES
 ALL PRIOR TO 05/2009

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



BARGE "KIRBY 28100"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	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	
1/2		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	
1	4,823.02	1	4,823.02	1	4,823.02	1	4,823.02	1	4,823.02	1	4,823.02	1	4,823.02	1	4,823.02	1	4,823.02	1	4,823.02
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	4,785.04	2	4,785.04	2	4,785.04	2	4,785.04	2	4,785.04	2	4,785.04	2	4,785.04	2	4,785.04	2	4,785.04	2	4,785.04
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	4,765.08	3	4,765.08	3	4,765.08	3	4,765.08	3	4,765.08	3	4,765.08	3	4,765.08	3	4,765.08	3	4,765.08	3	4,765.08
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	4,735.14	4	4,735.14	4	4,735.14	4	4,735.14	4	4,735.14	4	4,735.14	4	4,735.14	4	4,735.14	4	4,735.14	4	4,735.14
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	4,706.60	5	4,706.60	5	4,706.60	5	4,706.60	5	4,706.60	5	4,706.60	5	4,706.60	5	4,706.60	5	4,706.60	5	4,706.60
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	4,679.96	6	4,679.96	6	4,679.96	6	4,679.96	6	4,679.96	6	4,679.96	6	4,679.96	6	4,679.96	6	4,679.96	6	4,679.96
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	4,654.04	7	4,654.04	7	4,654.04	7	4,654.04	7	4,654.04	7	4,654.04	7	4,654.04	7	4,654.04	7	4,654.04	7	4,654.04
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	4,627.97	8	4,627.97	8	4,627.97	8	4,627.97	8	4,627.97	8	4,627.97	8	4,627.97	8	4,627.97	8	4,627.97	8	4,627.97
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	4,601.74	9	4,601.74	9	4,601.74	9	4,601.74	9	4,601.74	9	4,601.74	9	4,601.74	9	4,601.74	9	4,601.74	9	4,601.74
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	4,575.37	10	4,575.37	10	4,575.37	10	4,575.37	10	4,575.37	10	4,575.37	10	4,575.37	10	4,575.37	10	4,575.37	10	4,575.37
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,542.19	11	4,542.19	11	4,542.19	11	4,542.19	11	4,542.19	11	4,542.19	11	4,542.19	11	4,542.19	11	4,542.19	11	4,542.19
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
12	4,535.53	12	4,535.53	12	4,535.53	12	4,535.53	12	4,535.53	12	4,535.53	12	4,535.53	12	4,535.53	12	4,535.53	12	4,535.53
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	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
13	4,528.87	13	4,528.87	13	4,528.87	13	4,528.87	13	4,528.87	13	4,528.87	13	4,528.87	13	4,528.87	13	4,528.87	13	4,528.87

GAUGE HEIGHT: 16'-07 3/4"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NIMS 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.pmtacorp.net



BARGE "KIRBY 28100"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,368.52	0	1,999.93	0	1,633.34	0	1,267.39	0	901.77	0	535.28	0	188.33	0		0			
1/4	2,358.88	1/4	1,992.30	1/4	1,625.70	1/4	1,259.75	1/4	894.16	1/4	527.65	1/4	181.65	1/4		1/4			
1/2	2,351.24	1/2	1,984.66	1/2	1,618.06	1/2	1,252.12	1/2	886.55	1/2	520.01	1/2	174.95	1/2		1/2			
3/4	2,343.60	3/4	1,977.02	3/4	1,610.42	3/4	1,244.48	3/4	878.94	3/4	512.37	3/4	168.24	3/4		3/4			
1	2,335.97	1	1,969.39	1	1,602.79	1	1,236.84	1	871.31	1	504.75	1	161.63	1		1			
1/4	2,328.33	1/4	1,961.75	1/4	1,595.15	1/4	1,229.29	1/4	863.69	1/4	497.14	1/4	155.01	1/4		1/4			
1/2	2,320.69	1/2	1,954.11	1/2	1,587.51	1/2	1,221.56	1/2	856.06	1/2	489.52	1/2	148.39	1/2		1/2			
3/4	2,313.06	3/4	1,946.47	3/4	1,579.87	3/4	1,213.92	3/4	848.44	3/4	481.90	3/4	141.78	3/4		3/4			
2	2,305.42	2	1,938.84	2	1,572.24	2	1,206.29	2	840.80	2	474.35	2	135.25	2		2			
1/4	2,297.78	1/4	1,931.20	1/4	1,564.60	1/4	1,198.65	1/4	833.16	1/4	466.80	1/4	128.73	1/4		1/4			
1/2	2,290.14	1/2	1,923.56	1/2	1,556.96	1/2	1,191.01	1/2	825.53	1/2	459.24	1/2	122.20	1/2		1/2			
3/4	2,282.51	3/4	1,915.92	3/4	1,549.32	3/4	1,183.37	3/4	817.89	3/4	451.69	3/4	115.68	3/4		3/4			
3	2,274.87	3	1,908.29	3	1,541.69	3	1,175.75	3	810.25	3	444.12	3	109.25	3		3			
1/4	2,267.23	1/4	1,900.65	1/4	1,534.05	1/4	1,168.12	1/4	802.61	1/4	436.75	1/4	102.82	1/4		1/4			
1/2	2,259.60	1/2	1,893.01	1/2	1,526.41	1/2	1,160.50	1/2	794.97	1/2	429.28	1/2	96.40	1/2		1/2			
3/4	2,251.96	3/4	1,885.37	3/4	1,518.77	3/4	1,152.87	3/4	787.34	3/4	421.82	3/4	89.97	3/4		3/4			
4	2,244.32	4	1,877.74	4	1,511.14	4	1,145.26	4	779.70	4	414.33	4	83.65	4		4			
1/4	2,236.68	1/4	1,870.10	1/4	1,503.50	1/4	1,137.65	1/4	772.06	1/4	407.05	1/4	77.32	1/4		1/4			
1/2	2,229.05	1/2	1,862.46	1/2	1,495.86	1/2	1,130.04	1/2	764.42	1/2	399.67	1/2	71.00	1/2		1/2			
3/4	2,221.41	3/4	1,854.82	3/4	1,488.22	3/4	1,122.43	3/4	756.78	3/4	392.28	3/4	64.68	3/4		3/4			
5	2,213.77	5	1,847.19	5	1,480.60	5	1,114.82	5	749.15	5	384.98	5	58.48	5		5			
1/4	2,206.13	1/4	1,839.55	1/4	1,472.98	1/4	1,107.21	1/4	741.51	1/4	377.68	1/4	52.27	1/4		1/4			
1/2	2,198.50	1/2	1,831.91	1/2	1,465.35	1/2	1,099.60	1/2	733.87	1/2	370.39	1/2	46.07	1/2		1/2			
3/4	2,190.86	3/4	1,824.27	3/4	1,457.73	3/4	1,091.99	3/4	726.23	3/4	363.09	3/4	39.86	3/4		3/4			
6	2,183.22	6	1,816.64	6	1,450.12	6	1,084.38	6	718.60	6	355.87	6	34.36	6		6			
1/4	2,175.59	1/4	1,809.00	1/4	1,442.51	1/4	1,076.77	1/4	710.96	1/4	348.66	1/4	28.85	1/4		1/4			
1/2	2,167.95	1/2	1,801.36	1/2	1,434.90	1/2	1,069.17	1/2	703.32	1/2	341.45	1/2	23.34	1/2		1/2			
3/4	2,160.31	3/4	1,793.72	3/4	1,427.29	3/4	1,061.56	3/4	695.68	3/4	334.23	3/4	17.83	3/4		3/4			
7	2,152.67	7	1,786.09	7	1,419.68	7	1,053.95	7	688.04	7	327.10	7	14.27	7		7			
1/4	2,145.04	1/4	1,778.45	1/4	1,412.07	1/4	1,046.34	1/4	680.41	1/4	319.98	1/4	10.71	1/4		1/4			
1/2	2,137.40	1/2	1,770.81	1/2	1,404.46	1/2	1,038.73	1/2	672.77	1/2	312.85	1/2	7.15	1/2		1/2			
3/4	2,129.76	3/4	1,763.17	3/4	1,396.85	3/4	1,031.12	3/4	665.13	3/4	305.72	3/4	3.59	3/4		3/4			
8	2,122.13	8	1,755.54	8	1,389.24	8	1,023.51	8	657.49	8	298.67	8		8		8			
1/4	2,114.49	1/4	1,747.90	1/4	1,381.63	1/4	1,015.90	1/4	649.86	1/4	291.63	1/4		1/4		1/4			
1/2	2,106.85	1/2	1,740.26	1/2	1,374.02	1/2	1,008.30	1/2	642.22	1/2	284.59	1/2		1/2		1/2			
3/4	2,099.21	3/4	1,732.62	3/4	1,366.41	3/4	1,000.69	3/4	634.58	3/4	277.54	3/4		3/4		3/4			
9	2,091.58	9	1,724.99	9	1,358.80	9	993.08	9	626.94	9	270.58	9		9		9			
1/4	2,083.94	1/4	1,717.35	1/4	1,351.19	1/4	985.47	1/4	619.30	1/4	263.63	1/4		1/4		1/4			
1/2	2,076.30	1/2	1,709.71	1/2	1,343.58	1/2	977.86	1/2	611.67	1/2	256.67	1/2		1/2		1/2			
3/4	2,068.67	3/4	1,702.07	3/4	1,335.97	3/4	970.25	3/4	604.03	3/4	249.71	3/4		3/4		3/4			
10	2,061.03	10	1,694.44	10	1,328.36	10	962.64	10	596.39	10	242.83	10		10		10			
1/4	2,053.39	1/4	1,686.80	1/4	1,320.75	1/4	955.03	1/4	588.75	1/4	235.96	1/4		1/4		1/4			
1/2	2,045.75	1/2	1,679.16	1/2	1,313.14	1/2	947.43	1/2	581.11	1/2	229.09	1/2		1/2		1/2			
3/4	2,038.12	3/4	1,671.52	3/4	1,305.53	3/4	939.82	3/4	573.48	3/4	222.21	3/4		3/4		3/4			
11	2,030.48	11	1,663.89	11	1,297.90	11	932.21	11	565.84	11	215.42	11		11		11			
1/4	2,022.84	1/4	1,656.25	1/4	1,290.28	1/4	924.60	1/4	558.20	1/4	208.63	1/4		1/4		1/4			
1/2	2,015.20	1/2	1,648.61	1/2	1,282.65	1/2	916.99	1/2	550.56	1/2	201.85	1/2		1/2		1/2			
3/4	2,007.57	3/4	1,640.97	3/4	1,275.03	3/4	909.38	3/4	542.92	3/4	195.06	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/07/2009 CL - SW
 CALCULATED: 05/08/2009 CL
 PRINTED: 05/10/2009 CL

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

CANCELLED AND SUPERCEDES
 ALL PRIOR TO 05/2009



BARGE "KIRBY 28100"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

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 NIPRS 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'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28100"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,368.46	0	2,002.70	0	1,638.93	0	1,279.04	0	929.30	0	568.26	0	204.46	0		0			
1/4	2,358.88	1/4	1,995.12	1/4	1,631.35	1/4	1,271.46	1/4	922.03	1/4	560.88	1/4	186.88	1/4		1/4			
1/2	2,351.30	1/2	1,987.54	1/2	1,623.77	1/2	1,263.88	1/2	914.77	1/2	553.10	1/2	189.30	1/2		1/2			
3/4	2,343.72	3/4	1,979.96	3/4	1,616.19	3/4	1,256.30	3/4	907.50	3/4	545.52	3/4	181.73	3/4		3/4			
1	2,336.14	1	1,972.38	1	1,608.61	1	1,248.87	1	900.23	1	537.94	1	174.16	1		1			
1/4	2,328.56	1/4	1,964.80	1/4	1,601.03	1/4	1,241.44	1/4	892.95	1/4	530.36	1/4	166.59	1/4		1/4			
1/2	2,320.99	1/2	1,957.22	1/2	1,593.46	1/2	1,234.01	1/2	885.67	1/2	522.78	1/2	159.02	1/2		1/2			
3/4	2,313.41	3/4	1,949.65	3/4	1,585.88	3/4	1,226.59	3/4	878.40	3/4	515.20	3/4	151.45	3/4		3/4			
2	2,305.83	2	1,942.07	2	1,578.30	2	1,219.32	2	870.97	2	507.62	2	143.89	2		2			
1/4	2,298.25	1/4	1,934.49	1/4	1,570.72	1/4	1,212.06	1/4	863.54	1/4	500.05	1/4	136.33	1/4		1/4			
1/2	2,290.67	1/2	1,926.91	1/2	1,563.14	1/2	1,204.79	1/2	856.11	1/2	492.47	1/2	128.78	1/2		1/2			
3/4	2,283.09	3/4	1,919.33	3/4	1,555.56	3/4	1,197.53	3/4	848.68	3/4	484.89	3/4	121.22	3/4		3/4			
3	2,275.52	3	1,911.75	3	1,548.07	3	1,190.28	3	841.10	3	477.31	3	113.68	3		3			
1/4	2,267.94	1/4	1,904.17	1/4	1,540.57	1/4	1,183.03	1/4	833.53	1/4	469.73	1/4	106.14	1/4		1/4			
1/2	2,260.36	1/2	1,896.60	1/2	1,533.07	1/2	1,175.77	1/2	825.95	1/2	462.15	1/2	98.60	1/2		1/2			
3/4	2,252.78	3/4	1,889.02	3/4	1,525.57	3/4	1,168.52	3/4	818.37	3/4	454.57	3/4	91.07	3/4		3/4			
4	2,245.20	4	1,881.44	4	1,518.16	4	1,161.28	4	810.79	4	446.99	4	83.56	4		4			
1/4	2,237.62	1/4	1,873.86	1/4	1,510.74	1/4	1,154.03	1/4	803.21	1/4	439.41	1/4	76.06	1/4		1/4			
1/2	2,230.05	1/2	1,866.28	1/2	1,503.32	1/2	1,146.78	1/2	795.63	1/2	431.83	1/2	68.55	1/2		1/2			
3/4	2,222.47	3/4	1,858.70	3/4	1,495.91	3/4	1,139.53	3/4	788.05	3/4	424.25	3/4	61.05	3/4		3/4			
5	2,214.89	5	1,851.13	5	1,488.49	5	1,132.28	5	780.47	5	416.67	5	54.15	5		5			
1/4	2,207.31	1/4	1,843.55	1/4	1,481.08	1/4	1,125.03	1/4	772.89	1/4	409.09	1/4	47.25	1/4		1/4			
1/2	2,199.73	1/2	1,835.97	1/2	1,473.66	1/2	1,117.79	1/2	765.32	1/2	401.51	1/2	40.36	1/2		1/2			
3/4	2,192.15	3/4	1,828.39	3/4	1,466.24	3/4	1,110.54	3/4	757.74	3/4	393.93	3/4	33.46	3/4		3/4			
8	2,184.58	8	1,820.81	8	1,458.83	8	1,103.29	8	750.16	8	386.36	8	28.41	8		8			
1/4	2,177.00	1/4	1,813.23	1/4	1,451.41	1/4	1,096.04	1/4	742.58	1/4	378.78	1/4	23.36	1/4		1/4			
1/2	2,169.42	1/2	1,805.65	1/2	1,443.99	1/2	1,088.78	1/2	735.00	1/2	371.20	1/2	18.31	1/2		1/2			
3/4	2,161.84	3/4	1,798.08	3/4	1,436.58	3/4	1,081.54	3/4	727.42	3/4	363.62	3/4	13.26	3/4		3/4			
7	2,154.26	7	1,790.50	7	1,429.16	7	1,074.29	7	719.84	7	356.04	7	7	7		7			
1/4	2,146.69	1/4	1,782.92	1/4	1,421.74	1/4	1,067.05	1/4	712.26	1/4	348.46	1/4		1/4		1/4			
1/2	2,139.11	1/2	1,775.34	1/2	1,414.33	1/2	1,059.80	1/2	704.68	1/2	340.88	1/2		1/2		1/2			
3/4	2,131.53	3/4	1,767.76	3/4	1,406.91	3/4	1,052.55	3/4	697.11	3/4	333.30	3/4		3/4		3/4			
8	2,123.95	8	1,760.18	8	1,399.49	8	1,045.30	8	689.53	8	325.72	8		8		8			
1/4	2,116.37	1/4	1,752.60	1/4	1,392.08	1/4	1,038.05	1/4	681.95	1/4	318.14	1/4		1/4		1/4			
1/2	2,108.79	1/2	1,745.03	1/2	1,384.66	1/2	1,030.80	1/2	674.37	1/2	310.56	1/2		1/2		1/2			
3/4	2,101.22	3/4	1,737.45	3/4	1,377.24	3/4	1,023.55	3/4	666.79	3/4	302.98	3/4		3/4		3/4			
9	2,093.64	9	1,729.87	9	1,369.74	9	1,016.31	9	659.21	9	295.40	9		9		9			
1/4	2,086.06	1/4	1,722.29	1/4	1,362.25	1/4	1,009.06	1/4	651.63	1/4	287.82	1/4		1/4		1/4			
1/2	2,078.48	1/2	1,714.71	1/2	1,354.75	1/2	1,001.81	1/2	644.05	1/2	280.25	1/2		1/2		1/2			
3/4	2,070.90	3/4	1,707.13	3/4	1,347.25	3/4	994.56	3/4	636.47	3/4	272.67	3/4		3/4		3/4			
10	2,063.32	10	1,699.56	10	1,339.67	10	987.31	10	628.89	10	265.09	10		10		10			
1/4	2,055.75	1/4	1,691.98	1/4	1,332.09	1/4	980.06	1/4	621.31	1/4	257.51	1/4		1/4		1/4			
1/2	2,048.17	1/2	1,684.40	1/2	1,324.51	1/2	972.82	1/2	613.73	1/2	249.93	1/2		1/2		1/2			
3/4	2,040.59	3/4	1,676.82	3/4	1,316.93	3/4	965.57	3/4	606.16	3/4	242.35	3/4		3/4		3/4			
11	2,033.01	11	1,669.24	11	1,309.35	11	958.32	11	598.58	11	234.77	11		11		11			
1/4	2,025.43	1/4	1,661.66	1/4	1,301.77	1/4	951.07	1/4	591.00	1/4	227.19	1/4		1/4		1/4			
1/2	2,017.85	1/2	1,654.08	1/2	1,294.20	1/2	943.82	1/2	583.42	1/2	219.61	1/2		1/2		1/2			
3/4	2,010.27	3/4	1,646.51	3/4	1,286.62	3/4	936.56	3/4	575.84	3/4	212.03	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/07/2009 CL - SW
 CALCULATED: 05/08/2009 CL
 PRINTED: 05/10/2009 CL
 CANCELLED AND SUPERCEDES
 ALL PRIOR TO 05/2009

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



BARGE "KIRBY 28100"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	0	0	0	4,537.67	4,206.46	3,851.86	3,488.15	3,124.43	2,760.72
1/4	1/4	1/4	1/4	1/4	4,531.03	4,199.30	3,844.29	3,480.57	3,116.86	2,753.14
1/2	1/2	1/2	1/2	1/2	4,489.44	4,154.35	3,806.71	3,442.99	3,078.97	2,715.25
3/4	3/4	3/4	3/4	3/4	4,842.66	4,517.68	4,184.89	3,829.13	3,455.42	2,731.99
1	1	1	1	1	4,835.88	4,511.01	4,177.69	3,821.56	3,457.84	2,730.41
1/4	1/4	1/4	1/4	1/4	4,829.88	4,504.33	4,170.49	3,813.98	3,450.26	2,722.83
1/2	1/2	1/2	1/2	1/2	4,821.68	4,497.62	4,163.25	3,806.40	3,442.69	2,715.25
3/4	3/4	3/4	3/4	3/4	4,814.27	4,490.91	4,156.01	3,798.82	3,435.11	2,707.68
2	2	2	2	2	4,806.85	4,484.21	4,148.77	3,792.53	3,427.53	2,700.10
1/4	1/4	1/4	1/4	1/4	4,799.44	4,477.50	4,141.54	3,783.67	3,419.95	2,692.52
1/2	1/2	1/2	1/2	1/2	4,791.94	4,470.75	4,134.26	3,776.09	3,412.38	2,684.95
3/4	3/4	3/4	3/4	3/4	4,784.45	4,464.01	4,126.99	3,768.51	3,404.80	2,677.37
3	3	3	3	3	4,776.96	4,457.26	4,119.72	3,760.94	3,397.22	2,669.79
1/4	1/4	1/4	1/4	1/4	4,769.47	4,450.51	4,112.44	3,753.36	3,389.64	2,662.21
1/2	1/2	1/2	1/2	1/2	4,762.25	4,443.73	4,105.14	3,745.78	3,382.07	2,654.64
3/4	3/4	3/4	3/4	3/4	4,755.03	4,436.95	4,097.83	3,738.20	3,374.49	2,647.06
4	4	4	4	4	4,747.82	4,430.17	4,090.52	3,730.63	3,366.91	2,639.48
1/4	1/4	1/4	1/4	1/4	4,740.60	4,423.38	4,083.22	3,723.05	3,359.33	2,631.90
1/2	1/2	1/2	1/2	1/2	4,733.93	4,416.56	4,075.88	3,715.47	3,351.76	2,624.33
3/4	3/4	3/4	3/4	3/4	4,727.26	4,409.74	4,068.54	3,707.89	3,344.18	2,616.75
5	5	5	5	5	4,720.59	4,402.92	4,061.20	3,700.32	3,336.60	2,609.17
1/4	1/4	1/4	1/4	1/4	4,713.92	4,396.10	4,053.86	3,692.74	3,329.02	2,601.59
1/2	1/2	1/2	1/2	1/2	4,707.50	4,389.25	4,046.48	3,685.16	3,321.45	2,594.02
3/4	3/4	3/4	3/4	3/4	4,701.08	4,382.39	4,039.10	3,677.58	3,313.87	2,586.44
6	6	6	6	6	4,694.66	4,375.53	4,031.72	3,669.86	3,306.29	2,578.86
1/4	1/4	1/4	1/4	1/4	4,688.24	4,368.67	4,024.34	3,662.43	3,298.71	2,571.28
1/2	1/2	1/2	1/2	1/2	4,681.78	4,361.76	4,016.93	3,654.85	3,291.14	2,563.71
3/4	3/4	3/4	3/4	3/4	4,675.32	4,354.84	4,009.51	3,647.27	3,283.56	2,556.13
7	7	7	7	7	4,668.86	4,347.93	4,002.10	3,639.70	3,275.98	2,548.55
1/4	1/4	1/4	1/4	1/4	4,662.41	4,341.01	3,994.68	3,632.12	3,268.40	2,540.97
1/2	1/2	1/2	1/2	1/2	4,655.95	4,334.02	3,987.23	3,624.54	3,260.83	2,533.40
3/4	3/4	3/4	3/4	3/4	4,649.42	4,327.02	3,979.78	3,616.97	3,253.25	2,525.82
8	8	8	8	8	4,642.92	4,320.03	3,972.33	3,609.39	3,245.67	2,518.24
1/4	1/4	1/4	1/4	1/4	4,636.43	4,313.03	3,964.88	3,601.81	3,238.10	2,510.66
1/2	1/2	1/2	1/2	1/2	4,629.89	4,306.04	3,957.39	3,594.23	3,230.52	2,503.09
3/4	3/4	3/4	3/4	3/4	4,623.36	4,298.93	3,949.90	3,586.66	3,222.94	2,495.51
9	9	9	9	9	4,616.83	4,291.87	3,942.41	3,579.08	3,215.36	2,487.93
1/4	1/4	1/4	1/4	1/4	4,610.30	4,284.82	3,934.92	3,571.50	3,207.79	2,480.36
1/2	1/2	1/2	1/2	1/2	4,603.73	4,277.73	3,927.39	3,563.92	3,200.21	2,472.78
3/4	3/4	3/4	3/4	3/4	4,597.16	4,270.64	3,919.87	3,556.35	3,192.63	2,465.20
10	10	10	10	10	4,590.59	4,263.55	3,912.34	3,548.77	3,185.05	2,457.62
1/4	1/4	1/4	1/4	1/4	4,584.02	4,256.46	3,904.81	3,541.19	3,177.48	2,450.04
1/2	1/2	1/2	1/2	1/2	4,577.41	4,249.33	3,897.26	3,533.61	3,169.90	2,442.47
3/4	3/4	3/4	3/4	3/4	4,570.81	4,242.21	3,889.70	3,526.04	3,162.32	2,434.89
11	11	11	11	11	4,564.20	4,235.08	3,882.14	3,518.46	3,154.74	2,427.31
1/4	1/4	1/4	1/4	1/4	4,557.59	4,227.95	3,874.58	3,510.88	3,147.17	2,419.74
1/2	1/2	1/2	1/2	1/2	4,550.95	4,220.79	3,867.01	3,503.30	3,139.59	2,412.16
3/4	3/4	3/4	3/4	3/4	4,544.31	4,213.62	3,859.44	3,495.73	3,132.01	2,404.58

GAUGE HEIGHT 16'-07 1/4"

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 12'-09" OFF CENTERLINE AND 52'-09" FORWARD OF AFT BULKHEAD.**

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



BARGE "KIRBY 28100"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 16'-07 1/4"								
IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	2,397.00	2,033.29	1,669.56	1,309.72	947.02	583.35	219.59	0	0	0
1/4	2,389.43	2,025.71	1,661.98	1,302.14	939.47	575.77	212.01	0	0	0
1/2	2,381.85	2,018.13	1,654.41	1,294.56	931.90	568.19	204.43	0	0	0
3/4	2,374.27	2,010.55	1,646.83	1,286.98	924.34	560.61	196.86	0	0	0
1	2,366.69	2,002.98	1,639.25	1,279.40	916.77	553.03	189.28	0	0	0
1/4	2,359.12	1,995.40	1,631.67	1,271.82	909.20	545.46	181.71	0	0	0
1/2	2,351.54	1,987.82	1,624.10	1,264.25	901.63	537.88	174.14	0	0	0
3/4	2,343.96	1,980.24	1,616.52	1,256.67	894.05	530.30	166.57	0	0	0
2	2,336.38	1,972.67	1,608.94	1,249.09	886.47	522.72	159.00	0	0	0
1/4	2,328.81	1,965.09	1,601.36	1,241.51	878.89	515.14	151.43	0	0	0
1/2	2,321.23	1,957.51	1,593.79	1,233.95	871.31	507.56	143.87	0	0	0
3/4	2,313.65	1,949.93	1,586.21	1,226.38	863.74	499.99	136.32	0	0	0
3	2,306.08	1,942.36	1,578.63	1,218.81	856.16	492.41	128.76	0	0	0
1/4	2,298.50	1,934.78	1,571.05	1,211.25	848.58	484.83	121.20	0	0	0
1/2	2,290.92	1,927.20	1,563.56	1,203.70	841.00	477.25	113.67	0	0	0
3/4	2,283.34	1,919.62	1,556.06	1,196.15	833.43	469.67	106.13	0	0	0
4	2,275.77	1,912.05	1,548.56	1,188.60	825.85	462.09	98.59	0	0	0
1/4	2,268.19	1,904.47	1,541.07	1,181.05	818.27	454.52	91.06	0	0	0
1/2	2,260.61	1,896.89	1,533.55	1,173.50	810.69	446.94	83.55	0	0	0
3/4	2,253.03	1,889.31	1,526.24	1,165.95	803.11	439.36	76.05	0	0	0
5	2,245.46	1,881.74	1,518.82	1,158.40	795.54	431.78	68.54	0	0	0
1/4	2,237.88	1,874.16	1,511.40	1,150.85	787.96	424.20	61.04	0	0	0
1/2	2,230.30	1,866.58	1,503.99	1,143.30	780.38	416.62	54.14	0	0	0
3/4	2,222.72	1,859.00	1,496.57	1,135.75	772.80	409.04	47.25	0	0	0
6	2,215.15	1,851.42	1,489.16	1,128.20	765.22	401.47	40.35	0	0	0
1/4	2,207.57	1,843.85	1,481.74	1,120.65	757.65	393.89	33.45	0	0	0
1/2	2,199.99	1,836.27	1,474.33	1,113.10	750.07	386.31	28.40	0	0	0
3/4	2,192.41	1,828.69	1,466.91	1,105.56	742.49	378.73	23.35	0	0	0
7	2,184.84	1,821.11	1,459.50	1,098.01	734.91	371.15	18.30	0	0	0
1/4	2,177.26	1,813.54	1,452.08	1,090.46	727.33	363.57	13.25	0	0	0
1/2	2,169.68	1,805.96	1,444.67	1,082.91	719.76	356.00	8.20	0	0	0
3/4	2,162.10	1,798.38	1,437.25	1,075.36	712.18	348.42	3.15	0	0	0
8	2,154.53	1,790.80	1,429.83	1,067.81	704.60	340.84	0	0	0	0
1/4	2,146.95	1,783.23	1,422.42	1,060.26	697.02	333.26	0	0	0	0
1/2	2,139.37	1,775.65	1,415.00	1,052.71	689.45	325.68	0	0	0	0
3/4	2,131.79	1,768.07	1,407.59	1,045.16	681.87	318.10	0	0	0	0
9	2,124.22	1,760.49	1,400.17	1,037.61	674.29	310.53	0	0	0	0
1/4	2,116.64	1,752.92	1,392.75	1,030.06	666.71	302.95	0	0	0	0
1/2	2,109.06	1,745.34	1,385.26	1,022.52	659.13	295.37	0	0	0	0
3/4	2,101.49	1,737.76	1,377.76	1,014.97	651.55	287.79	0	0	0	0
10	2,093.91	1,730.18	1,370.26	1,007.42	643.98	280.21	0	0	0	0
1/4	2,086.33	1,722.61	1,362.76	999.87	636.40	272.63	0	0	0	0
1/2	2,078.75	1,715.03	1,355.19	992.32	628.82	265.06	0	0	0	0
3/4	2,071.18	1,707.45	1,347.61	984.77	621.24	257.48	0	0	0	0
11	2,063.60	1,699.87	1,340.03	977.22	613.66	249.90	0	0	0	0
1/4	2,056.02	1,692.30	1,332.45	969.67	606.08	242.32	0	0	0	0
1/2	2,048.44	1,684.72	1,324.87	962.12	598.50	234.74	0	0	0	0
3/4	2,040.87	1,677.14	1,317.29	954.57	590.93	227.16	0	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/07/2009 CL - SW
 CALCULATED: 05/08/2009 CL
 PRINTED: 05/10/2009 CL
 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 28100"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NIMS 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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P. O. Box 2092

Pearland, Texas 77588

http://www.pmaacorp.net





BARGE "KIRBY 28100"

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT: 16'-06"

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	2,314.79	0	1,951.04	0	1,587.32	0	1,228.54	0	873.26	0	516.66	0	151.90	0		0			
1/4	2,307.21	1/4	1,943.46	1/4	1,579.76	1/4	1,220.54	1/4	865.89	1/4	509.06	1/4	144.62	1/4		1/4			
1/2	2,299.63	1/2	1,935.88	1/2	1,572.21	1/2	1,212.97	1/2	858.53	1/2	501.46	1/2	137.33	1/2		1/2			
3/4	2,292.06	3/4	1,928.30	3/4	1,564.65	3/4	1,205.41	3/4	851.17	3/4	493.86	3/4	130.05	3/4		3/4			
1	2,284.48	1	1,920.72	1	1,557.10	1	1,197.85	1	843.81	1	486.26	1	122.77	1		1			
1/4	2,276.90	1/4	1,913.14	1/4	1,549.54	1/4	1,190.28	1/4	836.43	1/4	478.66	1/4	116.44	1/4		1/4			
1/2	2,269.32	1/2	1,905.57	1/2	1,541.99	1/2	1,182.72	1/2	829.06	1/2	471.06	1/2	110.11	1/2		1/2			
3/4	2,261.74	3/4	1,897.99	3/4	1,534.43	3/4	1,175.16	3/4	821.68	3/4	463.47	3/4	103.77	3/4		3/4			
1	2,254.17	1	1,890.41	1	1,526.88	1	1,167.59	1	814.31	1	455.87	1	97.44	1		1			
1/4	2,246.59	1/4	1,882.83	1/4	1,519.32	1/4	1,160.14	1/4	806.92	1/4	448.27	1/4	92.38	1/4		1/4			
1/2	2,239.01	1/2	1,875.25	1/2	1,511.77	1/2	1,152.68	1/2	799.53	1/2	440.67	1/2	87.32	1/2		1/2			
3/4	2,231.43	3/4	1,867.67	3/4	1,504.22	3/4	1,145.22	3/4	792.14	3/4	433.07	3/4	82.26	3/4		3/4			
1	2,223.85	1	1,860.10	1	1,496.66	1	1,137.76	1	784.75	1	425.47	1	77.20	1		1			
1/4	2,216.27	1/4	1,852.52	1/4	1,489.11	1/4	1,130.41	1/4	777.36	1/4	417.87	1/4	73.42	1/4		1/4			
1/2	2,208.70	1/2	1,844.94	1/2	1,481.55	1/2	1,123.06	1/2	769.98	1/2	410.27	1/2	69.64	1/2		1/2			
3/4	2,201.12	3/4	1,837.36	3/4	1,474.00	3/4	1,115.72	3/4	762.59	3/4	402.67	3/4	65.86	3/4		3/4			
1	2,193.54	1	1,829.78	1	1,466.44	1	1,108.37	1	755.20	1	395.07	1	62.08	1		1			
1/4	2,185.96	1/4	1,822.20	1/4	1,458.97	1/4	1,101.02	1/4	747.81	1/4	387.47	1/4	59.58	1/4		1/4			
1/2	2,178.38	1/2	1,814.62	1/2	1,451.49	1/2	1,093.68	1/2	740.42	1/2	379.87	1/2	57.08	1/2		1/2			
3/4	2,170.81	3/4	1,807.05	3/4	1,444.02	3/4	1,086.34	3/4	733.03	3/4	372.28	3/4	54.58	3/4		3/4			
1	2,163.23	1	1,799.47	1	1,436.55	1	1,078.99	1	725.65	1	364.68	1	52.09	1		1			
1/4	2,155.65	1/4	1,791.89	1/4	1,429.14	1/4	1,071.65	1/4	718.26	1/4	357.08	1/4	50.89	1/4		1/4			
1/2	2,148.07	1/2	1,784.31	1/2	1,421.74	1/2	1,064.31	1/2	710.87	1/2	349.48	1/2	48.49	1/2		1/2			
3/4	2,140.49	3/4	1,776.73	3/4	1,414.33	3/4	1,056.97	3/4	703.48	3/4	341.88	3/4	46.29	3/4		3/4			
1	2,132.91	1	1,769.15	1	1,406.93	1	1,049.63	1	696.09	1	334.28	1	44.29	1		1			
1/4	2,125.34	1/4	1,761.58	1/4	1,399.51	1/4	1,042.29	1/4	688.70	1/4	326.68	1/4		1/4		1/4			
1/2	2,117.76	1/2	1,754.00	1/2	1,392.09	1/2	1,034.95	1/2	681.32	1/2	319.08	1/2		1/2		1/2			
3/4	2,110.18	3/4	1,746.42	3/4	1,384.67	3/4	1,027.61	3/4	673.93	3/4	311.48	3/4		3/4		3/4			
1	2,102.60	1	1,738.84	1	1,377.26	1	1,020.26	1	666.54	1	303.88	1		1		1			
1/4	2,095.02	1/4	1,731.26	1/4	1,369.84	1/4	1,012.92	1/4	659.15	1/4	296.28	1/4		1/4		1/4			
1/2	2,087.45	1/2	1,723.68	1/2	1,362.42	1/2	1,005.58	1/2	651.76	1/2	288.68	1/2		1/2		1/2			
3/4	2,079.87	3/4	1,716.11	3/4	1,355.00	3/4	998.24	3/4	644.37	3/4	281.08	3/4		3/4		3/4			
1	2,072.29	1	1,708.53	1	1,347.59	1	990.90	1	636.99	1	273.49	1		1		1			
1/4	2,064.71	1/4	1,700.95	1/4	1,340.17	1/4	983.56	1/4	629.60	1/4	265.89	1/4		1/4		1/4			
1/2	2,057.13	1/2	1,693.37	1/2	1,332.75	1/2	976.22	1/2	622.21	1/2	258.29	1/2		1/2		1/2			
3/4	2,049.55	3/4	1,685.79	3/4	1,325.33	3/4	968.88	3/4	614.82	3/4	250.69	3/4		3/4		3/4			
1	2,041.98	1	1,678.21	1	1,317.82	1	961.53	1	607.43	1	243.09	1		1		1			
1/4	2,034.40	1/4	1,670.64	1/4	1,310.51	1/4	954.18	1/4	599.94	1/4	235.49	1/4		1/4		1/4			
1/2	2,026.82	1/2	1,663.06	1/2	1,303.10	1/2	946.83	1/2	592.44	1/2	227.89	1/2		1/2		1/2			
3/4	2,019.24	3/4	1,655.48	3/4	1,295.69	3/4	939.48	3/4	584.95	3/4	220.29	3/4		3/4		3/4			
1	2,011.66	1	1,647.90	1	1,288.28	1	932.13	1	577.45	1	212.69	1		1		1			
1/4	2,004.08	1/4	1,640.32	1/4	1,280.80	1/4	924.77	1/4	569.85	1/4	205.09	1/4		1/4		1/4			
1/2	1,996.51	1/2	1,632.74	1/2	1,273.32	1/2	917.41	1/2	562.26	1/2	197.49	1/2		1/2		1/2			
3/4	1,988.93	3/4	1,625.16	3/4	1,265.83	3/4	910.05	3/4	554.66	3/4	189.89	3/4		3/4		3/4			
1	1,981.35	1	1,617.59	1	1,258.35	1	902.69	1	547.06	1	182.30	1		1		1			
1/4	1,973.77	1/4	1,610.02	1/4	1,250.79	1/4	895.33	1/4	539.46	1/4	174.70	1/4		1/4		1/4			
1/2	1,966.19	1/2	1,602.45	1/2	1,243.23	1/2	887.98	1/2	531.86	1/2	167.10	1/2		1/2		1/2			
3/4	1,958.62	3/4	1,594.89	3/4	1,235.66	3/4	880.62	3/4	524.26	3/4	159.50	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/07/2009 CL - SW
CALCULATED: 05/08/2009 CL
PRINTED: 05/10/2009 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

CANCEL S AND SUPERCEDES
ALL PRIOR TO 05/2009

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



BARGE "KIRBY 28100"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NIPPS 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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmaacorp.net



BARGE "KIRBY 28100"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	2,335.59	0	1,970.84	0	1,606.06	0	1,245.18	0	881.36	0	516.72	0	151.92	0		0		0	
1/4	2,327.99	1/4	1,963.24	1/4	1,598.47	1/4	1,237.58	1/4	873.78	1/4	509.12	1/4	144.63	1/4		1/4		1/4	
1/2	2,320.39	1/2	1,955.63	1/2	1,590.87	1/2	1,229.98	1/2	866.21	1/2	501.52	1/2	137.35	1/2		1/2		1/2	
3/4	2,312.79	3/4	1,948.03	3/4	1,583.27	3/4	1,222.38	3/4	858.64	3/4	493.92	3/4	130.07	3/4		3/4		3/4	
1	2,305.20	1	1,940.43	1	1,575.67	1	1,214.78	1	851.06	1	486.32	1	122.78	1		1		1	
1/4	2,297.60	1/4	1,932.83	1/4	1,568.07	1/4	1,207.18	1/4	843.48	1/4	478.72	1/4	116.45	1/4		1/4		1/4	
1/2	2,290.00	1/2	1,925.24	1/2	1,560.47	1/2	1,199.58	1/2	835.89	1/2	471.12	1/2	110.12	1/2		1/2		1/2	
3/4	2,282.40	3/4	1,917.64	3/4	1,552.87	3/4	1,191.98	3/4	828.30	3/4	463.52	3/4	103.79	3/4		3/4		3/4	
1	2,274.80	1	1,910.04	1	1,545.27	1	1,184.38	1	820.72	1	455.92	1	97.45	1		1		1	
1/4	2,267.20	1/4	1,902.44	1/4	1,537.67	1/4	1,176.78	1/4	813.12	1/4	448.32	1/4	92.39	1/4		1/4		1/4	
1/2	2,259.60	1/2	1,894.84	1/2	1,530.07	1/2	1,169.18	1/2	805.52	1/2	440.72	1/2	87.33	1/2		1/2		1/2	
3/4	2,252.00	3/4	1,887.24	3/4	1,522.47	3/4	1,161.58	3/4	797.92	3/4	433.12	3/4	82.27	3/4		3/4		3/4	
1	2,244.40	1	1,879.64	1	1,514.87	1	1,153.98	1	790.32	1	425.52	1	77.21	1		1		1	
1/4	2,236.80	1/4	1,872.04	1/4	1,507.27	1/4	1,146.39	1/4	782.72	1/4	417.92	1/4	73.43	1/4		1/4		1/4	
1/2	2,229.20	1/2	1,864.44	1/2	1,499.67	1/2	1,138.80	1/2	775.12	1/2	410.32	1/2	69.65	1/2		1/2		1/2	
3/4	2,221.61	3/4	1,856.84	3/4	1,492.08	3/4	1,131.22	3/4	767.52	3/4	402.72	3/4	65.87	3/4		3/4		3/4	
1	2,206.41	1	1,849.24	1	1,484.48	1	1,123.63	1	759.92	1	395.12	1	62.08	1		1		1	
1/4	2,198.81	1/4	1,841.64	1/4	1,476.96	1/4	1,116.06	1/4	752.32	1/4	387.52	1/4	59.59	1/4		1/4		1/4	
1/2	2,191.21	1/2	1,834.04	1/2	1,469.44	1/2	1,108.48	1/2	744.72	1/2	379.92	1/2	57.09	1/2		1/2		1/2	
3/4	2,183.61	3/4	1,826.44	3/4	1,461.92	3/4	1,100.91	3/4	737.12	3/4	372.32	3/4	54.59	3/4		3/4		3/4	
1	2,176.01	1	1,818.85	1	1,454.40	1	1,093.34	1	729.52	1	364.72	1	52.09	1		1		1	
1/4	2,168.41	1/4	1,811.25	1/4	1,446.97	1/4	1,085.77	1/4	721.92	1/4	357.12	1/4	50.89	1/4		1/4		1/4	
1/2	2,160.81	1/2	1,803.65	1/2	1,439.53	1/2	1,078.20	1/2	714.32	1/2	349.52	1/2	48.69	1/2		1/2		1/2	
3/4	2,153.21	3/4	1,796.05	3/4	1,432.09	3/4	1,070.63	3/4	706.72	3/4	341.92	3/4	46.50	3/4		3/4		3/4	
1	2,145.61	1	1,788.45	1	1,424.65	1	1,063.06	1	699.12	1	334.32	1	47.30	1		1		1	
1/4	2,138.02	1/4	1,780.85	1/4	1,417.22	1/4	1,055.48	1/4	691.52	1/4	326.72	1/4		1/4		1/4		1/4	
1/2	2,130.42	1/2	1,773.25	1/2	1,409.78	1/2	1,047.91	1/2	683.92	1/2	319.12	1/2		1/2		1/2		1/2	
3/4	2,122.82	3/4	1,765.65	3/4	1,402.34	3/4	1,040.34	3/4	676.32	3/4	311.52	3/4		3/4		3/4		3/4	
1	2,115.22	1	1,758.05	1	1,394.91	1	1,032.77	1	668.72	1	303.92	1		1		1		1	
1/4	2,107.62	1/4	1,750.45	1/4	1,387.47	1/4	1,025.20	1/4	661.12	1/4	296.32	1/4		1/4		1/4		1/4	
1/2	2,100.02	1/2	1,742.85	1/2	1,380.03	1/2	1,017.63	1/2	653.52	1/2	288.72	1/2		1/2		1/2		1/2	
3/4	2,092.42	3/4	1,735.25	3/4	1,372.59	3/4	1,010.06	3/4	645.92	3/4	281.12	3/4		3/4		3/4		3/4	
1	2,084.82	1	1,727.65	1	1,365.16	1	1,002.49	1	638.32	1	273.52	1		1		1		1	
1/4	2,077.22	1/4	1,720.05	1/4	1,357.72	1/4	994.92	1/4	630.72	1/4	265.92	1/4		1/4		1/4		1/4	
1/2	2,069.62	1/2	1,712.45	1/2	1,350.28	1/2	987.35	1/2	623.12	1/2	258.32	1/2		1/2		1/2		1/2	
3/4	2,062.02	3/4	1,704.86	3/4	1,342.84	3/4	979.78	3/4	615.52	3/4	250.72	3/4		3/4		3/4		3/4	
1	2,054.43	1	1,697.26	1	1,335.41	1	972.21	1	607.92	1	243.12	1		1		1		1	
1/4	2,046.83	1/4	1,689.66	1/4	1,327.97	1/4	964.63	1/4	600.32	1/4	235.52	1/4		1/4		1/4		1/4	
1/2	2,039.23	1/2	1,682.06	1/2	1,320.53	1/2	957.06	1/2	592.72	1/2	227.92	1/2		1/2		1/2		1/2	
3/4	2,031.63	3/4	1,674.46	3/4	1,313.09	3/4	949.49	3/4	585.12	3/4	220.32	3/4		3/4		3/4		3/4	
1	2,024.03	1	1,666.86	1	1,305.65	1	941.92	1	577.52	1	212.72	1		1		1		1	
1/4	2,016.43	1/4	1,659.26	1/4	1,298.14	1/4	934.35	1/4	569.92	1/4	205.12	1/4		1/4		1/4		1/4	
1/2	2,008.83	1/2	1,651.66	1/2	1,290.62	1/2	926.78	1/2	562.32	1/2	197.52	1/2		1/2		1/2		1/2	
3/4	2,001.23	3/4	1,644.06	3/4	1,283.10	3/4	919.21	3/4	554.72	3/4	189.92	3/4		3/4		3/4		3/4	
1	1,993.63	1	1,636.46	1	1,275.58	1	911.64	1	547.12	1	182.32	1		1		1		1	
1/4	1,986.03	1/4	1,628.86	1/4	1,267.98	1/4	904.07	1/4	539.52	1/4	174.72	1/4		1/4		1/4		1/4	
1/2	1,978.43	1/2	1,621.26	1/2	1,260.38	1/2	896.50	1/2	531.92	1/2	167.12	1/2		1/2		1/2		1/2	
3/4	1,970.84	3/4	1,613.66	3/4	1,252.78	3/4	888.93	3/4	524.32	3/4	159.52	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/07/2009 CL - SW
 CALCULATED: 05/08/2009 CL
 PRINTED: 05/10/2009 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2009

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