



BARGE "KIRBY 28111"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-7/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/8"

LENGTH BETWEEN DRAFT MARKS: 241'-09"

July 24, 2009

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

<http://www.pmacorp.net>



BARGE "KIRBY 28111"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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

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 ONLY APPLIES 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.

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1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,335.13	0	1,968.46	0	1,601.78	0	1,235.74	0	871.38	0	504.88	0	161.67	0	0	0	0	0	0
1/4	2,327.49	1/4	1,960.82	1/4	1,594.14	1/4	1,228.10	1/4	863.78	1/4	497.26	1/4	155.05	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,319.85	1/2	1,953.18	1/2	1,586.50	1/2	1,220.46	1/2	856.18	1/2	489.62	1/2	148.43	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,312.21	3/4	1,945.54	3/4	1,578.86	3/4	1,212.82	3/4	848.59	3/4	482.04	3/4	141.82	3/4	3/4	3/4	3/4	3/4	3/4
1	2,304.57	1	1,937.90	1	1,571.22	1	1,205.20	1	840.96	1	474.47	1	135.29	1	1	1	1	1	1
1/4	2,296.93	1/4	1,930.27	1/4	1,563.58	1/4	1,197.57	1/4	833.34	1/4	466.91	1/4	128.76	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,289.30	1/2	1,922.63	1/2	1,555.94	1/2	1,189.95	1/2	825.71	1/2	459.36	1/2	122.24	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,281.66	3/4	1,914.99	3/4	1,548.30	3/4	1,182.32	3/4	818.09	3/4	451.80	3/4	115.71	3/4	3/4	3/4	3/4	3/4	3/4
2	2,274.02	2	1,907.35	2	1,540.66	2	1,174.72	2	810.45	2	444.33	2	109.28	2	2	2	2	2	2
1/4	2,266.38	1/4	1,899.71	1/4	1,533.02	1/4	1,167.13	1/4	802.81	1/4	436.86	1/4	102.85	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,258.74	1/2	1,892.07	1/2	1,525.38	1/2	1,159.53	1/2	795.17	1/2	429.39	1/2	96.42	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,251.10	3/4	1,884.43	3/4	1,517.74	3/4	1,151.93	3/4	787.53	3/4	421.92	3/4	89.99	3/4	3/4	3/4	3/4	3/4	3/4
3	2,243.46	3	1,876.79	3	1,510.10	3	1,144.35	3	779.89	3	414.54	3	83.67	3	3	3	3	3	3
1/4	2,235.82	1/4	1,869.15	1/4	1,502.46	1/4	1,136.76	1/4	772.25	1/4	407.15	1/4	77.35	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,228.18	1/2	1,861.51	1/2	1,494.82	1/2	1,129.18	1/2	764.61	1/2	399.77	1/2	71.02	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,220.54	3/4	1,853.87	3/4	1,487.19	3/4	1,121.59	3/4	756.97	3/4	392.38	3/4	64.70	3/4	3/4	3/4	3/4	3/4	3/4
4	2,212.91	4	1,846.23	4	1,479.56	4	1,114.01	4	749.33	4	385.08	4	58.49	4	4	4	4	4	4
1/4	2,205.27	1/4	1,838.59	1/4	1,471.93	1/4	1,106.43	1/4	741.69	1/4	377.78	1/4	52.29	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,197.63	1/2	1,830.95	1/2	1,464.31	1/2	1,098.85	1/2	734.05	1/2	370.48	1/2	46.08	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,189.99	3/4	1,823.31	3/4	1,456.68	3/4	1,091.27	3/4	726.41	3/4	363.18	3/4	39.88	3/4	3/4	3/4	3/4	3/4	3/4
5	2,182.35	5	1,815.68	5	1,449.07	5	1,083.69	5	718.77	5	355.97	5	34.37	5	5	5	5	5	5
1/4	2,174.71	1/4	1,808.04	1/4	1,441.46	1/4	1,076.11	1/4	711.13	1/4	348.75	1/4	28.86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,167.07	1/2	1,800.40	1/2	1,433.85	1/2	1,068.52	1/2	703.49	1/2	341.53	1/2	23.35	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,159.43	3/4	1,792.76	3/4	1,426.24	3/4	1,060.94	3/4	695.85	3/4	334.32	3/4	17.84	3/4	3/4	3/4	3/4	3/4	3/4
6	2,151.79	6	1,785.12	6	1,418.63	6	1,053.36	6	688.22	6	327.19	6	14.28	6	6	6	6	6	6
1/4	2,144.15	1/4	1,777.48	1/4	1,411.01	1/4	1,045.78	1/4	680.58	1/4	320.06	1/4	10.72	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,136.52	1/2	1,769.84	1/2	1,403.40	1/2	1,038.20	1/2	672.94	1/2	312.93	1/2	7.15	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,128.88	3/4	1,762.20	3/4	1,395.79	3/4	1,030.62	3/4	665.30	3/4	305.80	3/4	3.59	3/4	3/4	3/4	3/4	3/4	3/4
7	2,121.24	7	1,754.56	7	1,388.18	7	1,023.03	7	657.66	7	298.75	7	0	7	7	7	7	7	7
1/4	2,113.60	1/4	1,746.92	1/4	1,380.57	1/4	1,015.45	1/4	650.02	1/4	291.71	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,105.96	1/2	1,739.28	1/2	1,372.95	1/2	1,007.87	1/2	642.38	1/2	284.66	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,098.32	3/4	1,731.64	3/4	1,365.34	3/4	1,000.29	3/4	634.74	3/4	277.62	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
8	2,090.68	8	1,724.00	8	1,357.73	8	992.71	8	627.10	8	270.66	8	0	8	8	8	8	8	8
1/4	2,083.04	1/4	1,716.36	1/4	1,350.12	1/4	985.13	1/4	619.46	1/4	263.70	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,075.40	1/2	1,708.73	1/2	1,342.51	1/2	977.55	1/2	611.82	1/2	256.73	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,067.76	3/4	1,701.09	3/4	1,334.89	3/4	969.96	3/4	604.18	3/4	249.77	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
9	2,060.13	9	1,693.45	9	1,327.28	9	962.38	9	596.54	9	242.90	9	0	9	9	9	9	9	9
1/4	2,052.49	1/4	1,685.81	1/4	1,319.67	1/4	954.80	1/4	588.90	1/4	236.02	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,044.85	1/2	1,678.17	1/2	1,312.06	1/2	947.22	1/2	581.26	1/2	229.15	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,037.21	3/4	1,670.53	3/4	1,304.45	3/4	939.64	3/4	573.62	3/4	222.27	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
10	2,029.57	10	1,662.89	10	1,296.82	10	932.06	10	565.98	10	215.48	10	0	10	10	10	10	10	10
1/4	2,021.93	1/4	1,655.25	1/4	1,289.19	1/4	924.48	1/4	558.34	1/4	208.69	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,014.29	1/2	1,647.61	1/2	1,281.57	1/2	916.89	1/2	550.70	1/2	201.90	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,006.65	3/4	1,639.97	3/4	1,273.94	3/4	909.31	3/4	543.06	3/4	195.11	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
11	1,999.01	11	1,632.33	11	1,266.30	11	901.73	11	535.42	11	188.40	11	0	11	11	11	11	11	11
1/4	1,991.38	1/4	1,624.69	1/4	1,258.66	1/4	894.15	1/4	527.78	1/4	181.70	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,983.74	1/2	1,617.05	1/2	1,251.02	1/2	886.56	1/2	520.14	1/2	174.99	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,976.10	3/4	1,609.41	3/4	1,243.38	3/4	878.98	3/4	512.50	3/4	168.29	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/23/2009 CL - SW
CALCULATED: 07/24/2009 CL
PRINTED: 07/24/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2009

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 28111"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28111"

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	2,335.68	0	1,969.15	0	1,602.59	0	1,236.69	0	871.21	0	504.69	0	161.61	0		0			
1/4	2,328.05	1/4	1,961.51	1/4	1,594.96	1/4	1,229.05	1/4	863.58	1/4	497.08	1/4	154.99	1/4		1/4		1/4	
1/2	2,320.41	1/2	1,953.88	1/2	1,587.32	1/2	1,221.41	1/2	855.96	1/2	489.46	1/2	148.38	1/2		1/2		1/2	
3/4	2,312.77	3/4	1,946.24	3/4	1,579.68	3/4	1,213.78	3/4	848.33	3/4	481.84	3/4	141.76	3/4		3/4		3/4	
1	2,305.14	1	1,938.60	1	1,572.05	1	1,206.14	1	840.70	1	474.29	1	135.24	1		1		1	
1/4	2,297.50	1/4	1,930.97	1/4	1,564.41	1/4	1,198.50	1/4	833.06	1/4	466.74	1/4	128.71	1/4		1/4		1/4	
1/2	2,289.86	1/2	1,923.33	1/2	1,556.77	1/2	1,190.87	1/2	825.42	1/2	459.19	1/2	122.19	1/2		1/2		1/2	
3/4	2,282.23	3/4	1,915.69	3/4	1,549.14	3/4	1,183.23	3/4	817.79	3/4	451.63	3/4	115.66	3/4		3/4		3/4	
2	2,274.59	2	1,908.06	2	1,541.50	2	1,175.60	2	810.15	2	444.17	2	109.24	2		2		2	
1/4	2,266.96	1/4	1,900.42	1/4	1,533.86	1/4	1,167.98	1/4	802.51	1/4	436.70	1/4	102.81	1/4		1/4		1/4	
1/2	2,259.32	1/2	1,892.78	1/2	1,526.23	1/2	1,160.36	1/2	794.88	1/2	429.23	1/2	96.39	1/2		1/2		1/2	
3/4	2,251.68	3/4	1,885.15	3/4	1,518.59	3/4	1,152.73	3/4	787.24	3/4	421.76	3/4	89.96	3/4		3/4		3/4	
3	2,244.05	3	1,877.51	3	1,510.95	3	1,145.12	3	779.60	3	414.38	3	83.64	3		3		3	
1/4	2,236.41	1/4	1,869.87	1/4	1,503.32	1/4	1,137.51	1/4	771.97	1/4	407.00	1/4	77.32	1/4		1/4		1/4	
1/2	2,228.77	1/2	1,862.24	1/2	1,495.68	1/2	1,129.90	1/2	764.33	1/2	399.62	1/2	70.99	1/2		1/2		1/2	
3/4	2,221.14	3/4	1,854.60	3/4	1,488.04	3/4	1,122.29	3/4	756.69	3/4	392.23	3/4	64.67	3/4		3/4		3/4	
4	2,213.50	4	1,846.96	4	1,480.42	4	1,114.68	4	749.06	4	384.94	4	58.47	4		4		4	
1/4	2,205.87	1/4	1,839.33	1/4	1,472.80	1/4	1,107.08	1/4	741.42	1/4	377.64	1/4	52.27	1/4		1/4		1/4	
1/2	2,198.23	1/2	1,831.69	1/2	1,465.18	1/2	1,099.47	1/2	733.78	1/2	370.34	1/2	46.06	1/2		1/2		1/2	
3/4	2,190.59	3/4	1,824.05	3/4	1,457.55	3/4	1,091.86	3/4	726.15	3/4	363.04	3/4	39.86	3/4		3/4		3/4	
5	2,182.96	5	1,816.42	5	1,449.94	5	1,084.25	5	718.51	5	355.83	5	34.35	5		5		5	
1/4	2,175.32	1/4	1,808.78	1/4	1,442.33	1/4	1,076.65	1/4	710.87	1/4	348.62	1/4	28.85	1/4		1/4		1/4	
1/2	2,167.69	1/2	1,801.14	1/2	1,434.73	1/2	1,069.04	1/2	703.23	1/2	341.41	1/2	23.34	1/2		1/2		1/2	
3/4	2,160.05	3/4	1,793.51	3/4	1,427.12	3/4	1,061.43	3/4	695.60	3/4	334.19	3/4	17.83	3/4		3/4		3/4	
6	2,152.41	6	1,785.87	6	1,419.51	6	1,053.82	6	687.96	6	327.07	6	14.27	6		6		6	
1/4	2,144.78	1/4	1,778.23	1/4	1,411.90	1/4	1,046.21	1/4	680.32	1/4	319.94	1/4	10.71	1/4		1/4		1/4	
1/2	2,137.14	1/2	1,770.60	1/2	1,404.29	1/2	1,038.61	1/2	672.69	1/2	312.81	1/2	7.15	1/2		1/2		1/2	
3/4	2,129.50	3/4	1,762.96	3/4	1,396.68	3/4	1,031.00	3/4	665.05	3/4	305.68	3/4	3.59	3/4		3/4		3/4	
7	2,121.87	7	1,755.32	7	1,389.07	7	1,023.39	7	657.41	7	298.64	7		7		7		7	
1/4	2,114.23	1/4	1,747.69	1/4	1,381.46	1/4	1,015.78	1/4	649.78	1/4	291.60	1/4		1/4		1/4		1/4	
1/2	2,106.60	1/2	1,740.05	1/2	1,373.85	1/2	1,008.17	1/2	642.14	1/2	284.55	1/2		1/2		1/2		1/2	
3/4	2,098.96	3/4	1,732.41	3/4	1,366.24	3/4	1,000.57	3/4	634.50	3/4	277.51	3/4		3/4		3/4		3/4	
8	2,091.32	8	1,724.78	8	1,358.63	8	992.96	8	626.87	8	270.55	8		8		8		8	
1/4	2,083.69	1/4	1,717.14	1/4	1,351.03	1/4	985.35	1/4	619.23	1/4	263.59	1/4		1/4		1/4		1/4	
1/2	2,076.05	1/2	1,709.50	1/2	1,343.42	1/2	977.74	1/2	611.59	1/2	256.64	1/2		1/2		1/2		1/2	
3/4	2,068.41	3/4	1,701.87	3/4	1,335.81	3/4	970.13	3/4	603.95	3/4	249.68	3/4		3/4		3/4		3/4	
9	2,060.78	9	1,694.23	9	1,328.20	9	962.53	9	596.32	9	242.81	9		9		9		9	
1/4	2,053.14	1/4	1,686.59	1/4	1,320.59	1/4	954.92	1/4	588.68	1/4	235.93	1/4		1/4		1/4		1/4	
1/2	2,045.51	1/2	1,678.96	1/2	1,312.98	1/2	947.31	1/2	581.04	1/2	229.06	1/2		1/2		1/2		1/2	
3/4	2,037.87	3/4	1,671.32	3/4	1,305.37	3/4	939.70	3/4	573.41	3/4	222.19	3/4		3/4		3/4		3/4	
10	2,030.23	10	1,663.68	10	1,297.74	10	932.10	10	565.77	10	215.40	10		10		10		10	
1/4	2,022.60	1/4	1,656.05	1/4	1,290.12	1/4	924.49	1/4	558.13	1/4	208.61	1/4		1/4		1/4		1/4	
1/2	2,014.96	1/2	1,648.41	1/2	1,282.50	1/2	916.88	1/2	550.49	1/2	201.82	1/2		1/2		1/2		1/2	
3/4	2,007.33	3/4	1,640.78	3/4	1,274.87	3/4	909.27	3/4	542.86	3/4	195.03	3/4		3/4		3/4		3/4	
11	1,999.69	11	1,633.14	11	1,267.24	11	901.66	11	535.22	11	188.33	11		11		11		11	
1/4	1,992.06	1/4	1,625.50	1/4	1,259.60	1/4	894.05	1/4	527.58	1/4	181.63	1/4		1/4		1/4		1/4	
1/2	1,984.42	1/2	1,617.87	1/2	1,251.96	1/2	886.44	1/2	519.95	1/2	174.92	1/2		1/2		1/2		1/2	
3/4	1,976.79	3/4	1,610.23	3/4	1,244.33	3/4	878.83	3/4	512.31	3/4	168.22	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/23/2009 CL - SW
CALCULATED: 07/24/2009 CL
PRINTED: 07/24/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2009

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 28111"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "KIRBY 28111"

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	2,359.72	0	1,995.83	0	1,631.93	0	1,271.91	0	922.37	0	560.88	0	196.95	0		0			
1/4	2,352.14	1/4	1,988.25	1/4	1,624.35	1/4	1,264.33	1/4	915.10	1/4	553.30	1/4	189.37	1/4		1/4			
1/2	2,344.56	1/2	1,980.67	1/2	1,616.77	1/2	1,256.75	1/2	907.83	1/2	545.72	1/2	181.79	1/2		1/2			
3/4	2,336.98	3/4	1,973.09	3/4	1,609.19	3/4	1,249.13	3/4	900.55	3/4	538.13	3/4	174.22	3/4		3/4			
1	2,329.40	1	1,965.51	1	1,601.61	1	1,241.49	1	893.27	1	530.55	1	166.65	1		1			
1/4	2,321.82	1/4	1,957.93	1/4	1,594.03	1/4	1,234.46	1/4	885.99	1/4	522.97	1/4	159.07	1/4		1/4			
1/2	2,314.24	1/2	1,950.35	1/2	1,586.45	1/2	1,227.03	1/2	878.71	1/2	515.39	1/2	151.50	1/2		1/2			
3/4	2,306.66	3/4	1,942.76	3/4	1,578.87	3/4	1,219.76	3/4	871.28	3/4	507.81	3/4	143.94	3/4		3/4			
2	2,299.08	2	1,935.18	2	1,571.29	2	1,212.49	2	863.85	2	500.22	2	136.38	2		2			
1/4	2,291.50	1/4	1,927.60	1/4	1,563.70	1/4	1,205.22	1/4	856.42	1/4	492.64	1/4	128.82	1/4		1/4			
1/2	2,283.91	1/2	1,920.02	1/2	1,556.12	1/2	1,197.96	1/2	848.99	1/2	485.06	1/2	121.26	1/2		1/2			
3/4	2,276.33	3/4	1,912.44	3/4	1,548.62	3/4	1,190.70	3/4	841.41	3/4	477.48	3/4	113.72	3/4		3/4			
3	2,268.75	3	1,904.86	3	1,541.12	3	1,183.45	3	833.83	3	469.90	3	106.18	3		3			
1/4	2,261.17	1/4	1,897.28	1/4	1,533.62	1/4	1,176.20	1/4	826.24	1/4	462.31	1/4	98.64	1/4		1/4			
1/2	2,253.59	1/2	1,889.70	1/2	1,526.12	1/2	1,168.94	1/2	818.66	1/2	454.73	1/2	91.10	1/2		1/2			
3/4	2,246.01	3/4	1,882.11	3/4	1,518.70	3/4	1,161.69	3/4	811.08	3/4	447.15	3/4	83.59	3/4		3/4			
4	2,238.43	4	1,874.53	4	1,511.28	4	1,154.44	4	803.50	4	439.57	4	76.08	4		4			
1/4	2,230.85	1/4	1,866.95	1/4	1,503.86	1/4	1,147.19	1/4	795.92	1/4	431.99	1/4	68.58	1/4		1/4			
1/2	2,223.27	1/2	1,859.37	1/2	1,496.45	1/2	1,139.94	1/2	788.34	1/2	424.40	1/2	61.07	1/2		1/2			
3/4	2,215.69	3/4	1,851.79	3/4	1,489.03	3/4	1,132.69	3/4	780.75	3/4	416.82	3/4	54.17	3/4		3/4			
5	2,208.10	5	1,844.21	5	1,481.61	5	1,125.44	5	773.17	5	409.24	5	47.27	5		5			
1/4	2,200.52	1/4	1,836.63	1/4	1,474.19	1/4	1,118.18	1/4	765.59	1/4	401.66	1/4	40.37	1/4		1/4			
1/2	2,192.94	1/2	1,829.05	1/2	1,466.77	1/2	1,110.94	1/2	758.01	1/2	394.08	1/2	33.47	1/2		1/2			
3/4	2,185.36	3/4	1,821.46	3/4	1,459.35	3/4	1,103.68	3/4	750.43	3/4	386.49	3/4	28.42	3/4		3/4			
6	2,177.78	6	1,813.88	6	1,451.93	6	1,096.43	6	742.85	6	378.91	6	23.37	6		6			
1/4	2,170.20	1/4	1,806.30	1/4	1,444.51	1/4	1,089.18	1/4	735.26	1/4	371.33	1/4	18.31	1/4		1/4			
1/2	2,162.62	1/2	1,798.72	1/2	1,437.09	1/2	1,081.93	1/2	727.68	1/2	363.75	1/2	13.26	1/2		1/2			
3/4	2,155.04	3/4	1,791.14	3/4	1,429.67	3/4	1,074.68	3/4	720.10	3/4	356.17	3/4		3/4		3/4			
7	2,147.46	7	1,783.56	7	1,422.25	7	1,067.43	7	712.52	7	348.58	7		7		7			
1/4	2,139.88	1/4	1,775.98	1/4	1,414.84	1/4	1,060.18	1/4	704.94	1/4	341.00	1/4		1/4		1/4			
1/2	2,132.29	1/2	1,768.40	1/2	1,407.42	1/2	1,052.93	1/2	697.36	1/2	333.42	1/2		1/2		1/2			
3/4	2,124.71	3/4	1,760.82	3/4	1,400.00	3/4	1,045.68	3/4	689.77	3/4	325.84	3/4		3/4		3/4			
8	2,117.13	8	1,753.23	8	1,392.58	8	1,038.42	8	682.19	8	318.26	8		8		8			
1/4	2,109.55	1/4	1,745.65	1/4	1,385.16	1/4	1,031.17	1/4	674.61	1/4	310.67	1/4		1/4		1/4			
1/2	2,101.97	1/2	1,738.07	1/2	1,377.74	1/2	1,023.92	1/2	667.03	1/2	303.09	1/2		1/2		1/2			
3/4	2,094.39	3/4	1,730.49	3/4	1,370.24	3/4	1,016.67	3/4	659.45	3/4	295.51	3/4		3/4		3/4			
9	2,086.81	9	1,722.91	9	1,362.73	9	1,009.42	9	651.86	9	287.93	9		9		9			
1/4	2,079.23	1/4	1,715.33	1/4	1,355.23	1/4	1,002.17	1/4	644.28	1/4	280.35	1/4		1/4		1/4			
1/2	2,071.65	1/2	1,707.75	1/2	1,347.73	1/2	994.92	1/2	636.70	1/2	272.76	1/2		1/2		1/2			
3/4	2,064.07	3/4	1,700.17	3/4	1,340.15	3/4	987.67	3/4	629.12	3/4	265.18	3/4		3/4		3/4			
10	2,056.48	10	1,692.58	10	1,332.57	10	980.42	10	621.54	10	257.60	10		10		10			
1/4	2,048.90	1/4	1,685.00	1/4	1,324.99	1/4	973.16	1/4	613.95	1/4	250.02	1/4		1/4		1/4			
1/2	2,041.32	1/2	1,677.42	1/2	1,317.41	1/2	965.91	1/2	606.37	1/2	242.44	1/2		1/2		1/2			
3/4	2,033.74	3/4	1,669.84	3/4	1,309.82	3/4	958.66	3/4	598.79	3/4	234.85	3/4		3/4		3/4			
11	2,026.16	11	1,662.26	11	1,302.24	11	951.41	11	591.21	11	227.27	11		11		11			
1/4	2,018.58	1/4	1,654.68	1/4	1,294.66	1/4	944.15	1/4	583.63	1/4	219.69	1/4		1/4		1/4			
1/2	2,010.99	1/2	1,647.10	1/2	1,287.08	1/2	936.90	1/2	576.04	1/2	212.11	1/2		1/2		1/2			
3/4	2,003.41	3/4	1,639.52	3/4	1,279.50	3/4	929.63	3/4	568.46	3/4	204.53	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/23/2009 CL - SW
CALCULATED: 07/24/2009 CL
PRINTED: 07/24/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2009

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



BARGE "KIRBY 28111"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
& ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 28111"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,382.42	0	2,018.62	0	1,654.81	0	1,294.87	0	932.13	0	568.33	0	204.48	0		0			
1/4	2,374.84	1/4	2,011.04	1/4	1,647.23	1/4	1,287.29	1/4	924.56	1/4	560.75	1/4	196.90	1/4		1/4			
1/2	2,367.26	1/2	2,003.46	1/2	1,639.65	1/2	1,279.71	1/2	916.99	1/2	553.17	1/2	189.33	1/2		1/2			
3/4	2,359.68	3/4	1,995.88	3/4	1,632.07	3/4	1,272.13	3/4	909.42	3/4	545.59	3/4	181.75	3/4		3/4			
1	2,352.10	1	1,988.30	1	1,624.49	1	1,264.55	1	901.84	1	538.01	1	174.18	1		1			
1/4	2,344.53	1/4	1,980.72	1/4	1,616.91	1/4	1,256.97	1/4	894.26	1/4	530.43	1/4	166.61	1/4		1/4			
1/2	2,336.95	1/2	1,973.14	1/2	1,609.33	1/2	1,249.39	1/2	886.68	1/2	522.85	1/2	159.04	1/2		1/2			
3/4	2,329.37	3/4	1,965.56	3/4	1,601.75	3/4	1,241.81	3/4	878.10	3/4	515.27	3/4	151.47	3/4		3/4			
2	2,321.79	2	1,957.98	2	1,594.17	2	1,234.24	2	871.52	2	507.69	2	143.91	2		2			
1/4	2,314.21	1/4	1,950.40	1/4	1,586.59	1/4	1,226.68	1/4	863.94	1/4	500.11	1/4	136.35	1/4		1/4			
1/2	2,306.63	1/2	1,942.82	1/2	1,579.01	1/2	1,219.11	1/2	856.36	1/2	492.53	1/2	128.79	1/2		1/2			
3/4	2,299.05	3/4	1,935.24	3/4	1,571.43	3/4	1,211.54	3/4	848.78	3/4	484.94	3/4	121.23	3/4		3/4			
3	2,291.47	3	1,927.66	3	1,563.85	3	1,203.99	3	841.21	3	477.36	3	113.69	3		3			
1/4	2,283.89	1/4	1,920.08	1/4	1,556.27	1/4	1,196.44	1/4	833.63	1/4	469.78	1/4	106.15	1/4		1/4			
1/2	2,276.31	1/2	1,912.51	1/2	1,548.69	1/2	1,188.88	1/2	826.05	1/2	462.20	1/2	98.62	1/2		1/2			
3/4	2,268.73	3/4	1,904.93	3/4	1,541.11	3/4	1,181.33	3/4	818.47	3/4	454.62	3/4	91.08	3/4		3/4			
4	2,261.15	4	1,897.35	4	1,533.52	4	1,173.78	4	810.89	4	447.04	4	83.57	4		4			
1/4	2,253.58	1/4	1,889.77	1/4	1,525.94	1/4	1,166.23	1/4	803.31	1/4	439.46	1/4	76.07	1/4		1/4			
1/2	2,246.00	1/2	1,882.19	1/2	1,518.35	1/2	1,158.68	1/2	795.73	1/2	431.88	1/2	68.56	1/2		1/2			
3/4	2,238.42	3/4	1,874.61	3/4	1,510.77	3/4	1,151.13	3/4	788.15	3/4	424.30	3/4	61.06	3/4		3/4			
5	2,230.84	5	1,867.03	5	1,503.19	5	1,143.58	5	780.57	5	416.72	5	54.16	5		5			
1/4	2,223.26	1/4	1,859.45	1/4	1,495.61	1/4	1,136.03	1/4	772.99	1/4	409.14	1/4	47.26	1/4		1/4			
1/2	2,215.68	1/2	1,851.87	1/2	1,488.02	1/2	1,128.47	1/2	765.41	1/2	401.56	1/2	40.36	1/2		1/2			
3/4	2,208.10	3/4	1,844.29	3/4	1,480.44	3/4	1,120.92	3/4	757.83	3/4	393.98	3/4	33.46	3/4		3/4			
6	2,200.52	6	1,836.71	6	1,472.86	6	1,113.37	6	750.25	6	386.40	6	28.41	6		6			
1/4	2,192.94	1/4	1,829.13	1/4	1,465.27	1/4	1,105.82	1/4	742.67	1/4	378.82	1/4	23.36	1/4		1/4			
1/2	2,185.36	1/2	1,821.55	1/2	1,457.69	1/2	1,098.27	1/2	735.09	1/2	371.24	1/2	18.31	1/2		1/2			
3/4	2,177.78	3/4	1,813.97	3/4	1,450.11	3/4	1,090.72	3/4	727.51	3/4	363.66	3/4	13.26	3/4		3/4			
7	2,170.20	7	1,806.39	7	1,442.53	7	1,083.17	7	719.93	7	356.08	7		7		7			
1/4	2,162.62	1/4	1,798.81	1/4	1,434.95	1/4	1,075.62	1/4	712.35	1/4	348.50	1/4		1/4		1/4			
1/2	2,155.05	1/2	1,791.23	1/2	1,427.37	1/2	1,068.07	1/2	704.77	1/2	340.92	1/2		1/2		1/2			
3/4	2,147.47	3/4	1,783.66	3/4	1,420.00	3/4	1,060.52	3/4	697.19	3/4	333.34	3/4		3/4		3/4			
8	2,139.89	8	1,776.08	8	1,412.42	8	1,052.97	8	689.61	8	325.76	8		8		8			
1/4	2,132.31	1/4	1,768.50	1/4	1,404.84	1/4	1,045.41	1/4	682.03	1/4	318.18	1/4		1/4		1/4			
1/2	2,124.73	1/2	1,760.92	1/2	1,400.51	1/2	1,037.86	1/2	674.45	1/2	310.60	1/2		1/2		1/2			
3/4	2,117.15	3/4	1,753.34	3/4	1,393.09	3/4	1,030.31	3/4	666.87	3/4	303.02	3/4		3/4		3/4			
9	2,109.57	9	1,745.76	9	1,385.51	9	1,022.76	9	659.29	9	295.44	9		9		9			
1/4	2,101.99	1/4	1,738.18	1/4	1,377.93	1/4	1,015.21	1/4	651.71	1/4	287.86	1/4		1/4		1/4			
1/2	2,094.41	1/2	1,730.60	1/2	1,370.59	1/2	1,007.66	1/2	644.13	1/2	280.28	1/2		1/2		1/2			
3/4	2,086.83	3/4	1,723.02	3/4	1,363.09	3/4	1,000.11	3/4	636.55	3/4	272.70	3/4		3/4		3/4			
10	2,079.25	10	1,715.44	10	1,355.51	10	992.56	10	628.97	10	265.12	10		10		10			
1/4	2,071.67	1/4	1,707.86	1/4	1,347.93	1/4	985.01	1/4	621.39	1/4	257.54	1/4		1/4		1/4			
1/2	2,064.10	1/2	1,700.28	1/2	1,340.35	1/2	977.46	1/2	613.81	1/2	249.96	1/2		1/2		1/2			
3/4	2,056.52	3/4	1,692.70	3/4	1,332.77	3/4	969.91	3/4	606.23	3/4	242.38	3/4		3/4		3/4			
11	2,048.94	11	1,685.12	11	1,325.19	11	962.35	11	598.65	11	234.80	11		11		11			
1/4	2,041.36	1/4	1,677.54	1/4	1,317.61	1/4	954.80	1/4	591.07	1/4	227.22	1/4		1/4		1/4			
1/2	2,033.78	1/2	1,669.96	1/2	1,310.03	1/2	947.25	1/2	583.49	1/2	219.64	1/2		1/2		1/2			
3/4	2,026.20	3/4	1,662.38	3/4	1,302.45	3/4	939.69	3/4	575.91	3/4	212.06	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/23/2009 CL - SW
CALCULATED: 07/24/2009 CL
PRINTED: 07/24/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2009

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http://www.pmacorp.net



BARGE "KIRBY 28111"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
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 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
Pasadena, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28111"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,293.66	0	1,920.03	0	1,566.54	0	1,197.42	0	843.51	0	486.09	0	122.72	0	0	0	0	0	0
1/4	2,276.08	1/4	1,912.46	1/4	1,548.99	1/4	1,189.86	1/4	836.13	1/4	478.49	1/4	116.39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,268.51	1/2	1,904.88	1/2	1,541.44	1/2	1,182.30	1/2	828.76	1/2	470.90	1/2	110.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,260.93	3/4	1,897.31	3/4	1,533.88	3/4	1,174.74	3/4	821.39	3/4	463.30	3/4	103.74	3/4	3/4	3/4	3/4	3/4	3/4
1	2,253.36	1	1,889.73	1	1,526.33	1	1,167.18	1	814.02	1	455.70	1	97.41	1	1	1	1	1	1
1/4	2,245.78	1/4	1,882.16	1/4	1,518.78	1/4	1,159.72	1/4	806.63	1/4	448.11	1/4	92.35	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,238.21	1/2	1,874.58	1/2	1,511.23	1/2	1,152.27	1/2	799.24	1/2	440.51	1/2	87.29	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,230.63	3/4	1,867.00	3/4	1,503.68	3/4	1,144.81	3/4	791.86	3/4	432.91	3/4	82.23	3/4	3/4	3/4	3/4	3/4	3/4
2	2,223.06	2	1,859.43	2	1,496.12	2	1,137.35	2	784.47	2	425.32	2	77.18	2	2	2	2	2	2
1/4	2,215.48	1/4	1,851.85	1/4	1,488.57	1/4	1,130.01	1/4	777.09	1/4	417.72	1/4	73.40	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,207.90	1/2	1,844.28	1/2	1,481.02	1/2	1,122.66	1/2	769.70	1/2	410.12	1/2	69.61	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,200.33	3/4	1,836.70	3/4	1,473.47	3/4	1,115.32	3/4	762.32	3/4	402.53	3/4	65.83	3/4	3/4	3/4	3/4	3/4	3/4
3	2,192.75	3	1,829.13	3	1,465.91	3	1,107.97	3	754.93	3	394.93	3	62.05	3	3	3	3	3	3
1/4	2,185.18	1/4	1,821.55	1/4	1,458.44	1/4	1,100.63	1/4	747.54	1/4	387.34	1/4	59.56	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,177.60	1/2	1,813.97	1/2	1,450.97	1/2	1,093.29	1/2	740.16	1/2	379.74	1/2	57.06	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,170.03	3/4	1,806.40	3/4	1,443.50	3/4	1,085.95	3/4	732.77	3/4	372.14	3/4	54.56	3/4	3/4	3/4	3/4	3/4	3/4
4	2,162.45	4	1,798.82	4	1,436.03	4	1,078.61	4	725.39	4	364.55	4	52.07	4	4	4	4	4	4
1/4	2,154.88	1/4	1,791.25	1/4	1,428.63	1/4	1,071.27	1/4	718.00	1/4	356.95	1/4	50.87	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,147.30	1/2	1,783.67	1/2	1,421.23	1/2	1,063.93	1/2	710.61	1/2	349.35	1/2	49.67	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,139.73	3/4	1,776.10	3/4	1,413.82	3/4	1,056.59	3/4	703.23	3/4	341.76	3/4	48.47	3/4	3/4	3/4	3/4	3/4	3/4
5	2,132.15	5	1,768.52	5	1,406.42	5	1,049.25	5	695.84	5	334.16	5	47.27	5	5	5	5	5	5
1/4	2,124.57	1/4	1,760.94	1/4	1,399.01	1/4	1,041.91	1/4	688.46	1/4	326.56	1/4	46.07	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,117.00	1/2	1,753.37	1/2	1,391.59	1/2	1,034.58	1/2	681.07	1/2	318.97	1/2	44.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,109.42	3/4	1,745.79	3/4	1,384.18	3/4	1,027.24	3/4	673.69	3/4	311.37	3/4	43.67	3/4	3/4	3/4	3/4	3/4	3/4
6	2,101.85	6	1,738.22	6	1,376.76	6	1,019.90	6	666.30	6	303.77	6	42.47	6	6	6	6	6	6
1/4	2,094.27	1/4	1,730.64	1/4	1,369.35	1/4	1,012.56	1/4	658.91	1/4	296.18	1/4	41.27	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,086.70	1/2	1,723.07	1/2	1,361.93	1/2	1,005.22	1/2	651.53	1/2	288.58	1/2	40.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,079.12	3/4	1,715.49	3/4	1,354.52	3/4	997.88	3/4	644.14	3/4	280.98	3/4	38.87	3/4	3/4	3/4	3/4	3/4	3/4
7	2,071.55	7	1,707.91	7	1,347.10	7	990.54	7	636.76	7	273.39	7	37.67	7	7	7	7	7	7
1/4	2,063.97	1/4	1,700.34	1/4	1,339.69	1/4	983.20	1/4	629.37	1/4	265.79	1/4	36.47	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,056.39	1/2	1,692.76	1/2	1,332.27	1/2	975.87	1/2	621.99	1/2	258.19	1/2	35.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,048.82	3/4	1,685.19	3/4	1,324.86	3/4	968.53	3/4	614.60	3/4	250.60	3/4	34.07	3/4	3/4	3/4	3/4	3/4	3/4
8	2,041.24	8	1,677.61	8	1,317.44	8	961.19	8	607.21	8	243.00	8	32.87	8	8	8	8	8	8
1/4	2,033.67	1/4	1,670.04	1/4	1,310.04	1/4	953.84	1/4	599.72	1/4	235.41	1/4	31.67	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,026.09	1/2	1,662.46	1/2	1,302.63	1/2	946.49	1/2	592.33	1/2	227.81	1/2	30.47	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,018.52	3/4	1,654.88	3/4	1,295.22	3/4	939.15	3/4	584.74	3/4	220.21	3/4	29.27	3/4	3/4	3/4	3/4	3/4	3/4
9	2,010.94	9	1,647.31	9	1,287.82	9	931.80	9	577.25	9	212.62	9	28.07	9	9	9	9	9	9
1/4	2,003.37	1/4	1,639.73	1/4	1,280.34	1/4	924.44	1/4	569.65	1/4	205.02	1/4	26.87	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,995.79	1/2	1,632.16	1/2	1,272.86	1/2	917.08	1/2	562.05	1/2	197.42	1/2	25.67	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,988.22	3/4	1,624.58	3/4	1,265.38	3/4	909.73	3/4	554.46	3/4	189.83	3/4	24.47	3/4	3/4	3/4	3/4	3/4	3/4
10	1,980.64	10	1,617.01	10	1,257.90	10	902.37	10	546.86	10	182.23	10	23.27	10	10	10	10	10	10
1/4	1,973.06	1/4	1,609.44	1/4	1,250.34	1/4	895.01	1/4	539.27	1/4	174.63	1/4	22.07	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,965.49	1/2	1,601.88	1/2	1,242.78	1/2	887.66	1/2	531.67	1/2	167.04	1/2	20.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,957.91	3/4	1,594.31	3/4	1,235.22	3/4	880.30	3/4	524.07	3/4	159.44	3/4	19.67	3/4	3/4	3/4	3/4	3/4	3/4
11	1,950.34	11	1,586.75	11	1,227.66	11	872.94	11	516.48	11	151.84	11	18.47	11	11	11	11	11	11
1/4	1,942.76	1/4	1,579.20	1/4	1,220.10	1/4	865.58	1/4	508.88	1/4	144.56	1/4	17.27	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,935.19	1/2	1,571.65	1/2	1,212.54	1/2	858.23	1/2	501.28	1/2	137.28	1/2	16.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,927.61	3/4	1,564.09	3/4	1,204.98	3/4	850.87	3/4	493.69	3/4	130.00	3/4	14.87	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/23/2009 CL - SW
CALCULATED: 07/24/2009 CL
PRINTED: 07/24/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2009

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



BARGE "KIRBY 28111"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 53'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.
 PRECISION MEASUREMENT & ANALYSIS, INC.
 P.O. Box 2082
 Pearland, Texas 77588
 http://www.pmacorp.net

[Signature]



BARGE "KIRBY 28111"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,290.27	0	1,925.46	0	1,560.65	0	1,199.72	0	835.99	0	471.18	0	110.13	0		0		0	
1/4	2,282.67	1/4	1,917.86	1/4	1,553.05	1/4	1,192.12	1/4	828.40	1/4	463.58	1/4	103.80	1/4		1/4		1/4	
1/2	2,275.07	1/2	1,910.26	1/2	1,545.45	1/2	1,184.52	1/2	820.81	1/2	455.97	1/2	97.47	1/2		1/2		1/2	
3/4	2,267.47	3/4	1,902.66	3/4	1,537.85	3/4	1,176.92	3/4	813.21	3/4	448.37	3/4	92.40	3/4		3/4		3/4	
1	2,259.87	1	1,895.06	1	1,530.25	1	1,169.32	1	805.61	1	440.77	1	87.34	1		1		1	
1/4	2,252.27	1/4	1,887.46	1/4	1,522.65	1/4	1,161.72	1/4	798.01	1/4	433.17	1/4	82.28	1/4		1/4		1/4	
1/2	2,244.67	1/2	1,879.86	1/2	1,515.05	1/2	1,154.12	1/2	790.41	1/2	425.57	1/2	77.22	1/2		1/2		1/2	
3/4	2,237.07	3/4	1,872.26	3/4	1,507.45	3/4	1,146.53	3/4	782.81	3/4	417.97	3/4	73.44	3/4		3/4		3/4	
2	2,229.47	2	1,864.66	2	1,499.85	2	1,138.94	2	775.21	2	410.37	2	69.66	2		2		2	
1/4	2,221.87	1/4	1,857.06	1/4	1,492.25	1/4	1,131.35	1/4	767.61	1/4	402.77	1/4	65.87	1/4		1/4		1/4	
1/2	2,214.27	1/2	1,849.46	1/2	1,484.65	1/2	1,123.76	1/2	760.01	1/2	395.17	1/2	62.09	1/2		1/2		1/2	
3/4	2,206.67	3/4	1,841.86	3/4	1,477.05	3/4	1,116.19	3/4	752.41	3/4	387.57	3/4	59.59	3/4		3/4		3/4	
3	2,199.07	3	1,834.26	3	1,469.45	3	1,108.62	3	744.81	3	379.96	3	57.09	3		3		3	
1/4	2,191.47	1/4	1,826.66	1/4	1,461.85	1/4	1,101.04	1/4	737.21	1/4	372.36	1/4	54.60	1/4		1/4		1/4	
1/2	2,183.87	1/2	1,819.06	1/2	1,454.25	1/2	1,093.47	1/2	729.61	1/2	364.76	1/2	52.10	1/2		1/2		1/2	
3/4	2,176.27	3/4	1,811.46	3/4	1,446.65	3/4	1,085.90	3/4	722.01	3/4	357.16	3/4	50.90	3/4		3/4		3/4	
4	2,168.67	4	1,803.86	4	1,439.05	4	1,078.32	4	714.40	4	349.56	4	49.70	4		4		4	
1/4	2,161.07	1/4	1,796.26	1/4	1,432.26	1/4	1,070.75	1/4	706.80	1/4	341.96	1/4	48.50	1/4		1/4		1/4	
1/2	2,153.47	1/2	1,788.66	1/2	1,424.82	1/2	1,063.18	1/2	699.20	1/2	334.36	1/2	47.30	1/2		1/2		1/2	
3/4	2,145.87	3/4	1,781.06	3/4	1,417.38	3/4	1,055.61	3/4	691.60	3/4	326.76	3/4	46.10	3/4		3/4		3/4	
5	2,138.27	5	1,773.46	5	1,409.95	5	1,048.04	5	684.00	5	319.16	5	44.90	5		5		5	
1/4	2,130.67	1/4	1,765.86	1/4	1,402.51	1/4	1,040.47	1/4	676.40	1/4	311.56	1/4	43.70	1/4		1/4		1/4	
1/2	2,123.07	1/2	1,758.26	1/2	1,395.07	1/2	1,032.89	1/2	668.80	1/2	303.95	1/2	42.50	1/2		1/2		1/2	
3/4	2,115.47	3/4	1,750.66	3/4	1,387.63	3/4	1,025.32	3/4	661.20	3/4	296.35	3/4	41.30	3/4		3/4		3/4	
6	2,107.87	6	1,743.06	6	1,380.19	6	1,017.75	6	653.60	6	288.75	6	40.10	6		6		6	
1/4	2,100.27	1/4	1,735.46	1/4	1,372.76	1/4	1,010.18	1/4	646.00	1/4	281.15	1/4	38.90	1/4		1/4		1/4	
1/2	2,092.67	1/2	1,727.86	1/2	1,365.32	1/2	1,002.61	1/2	638.40	1/2	273.55	1/2	37.70	1/2		1/2		1/2	
3/4	2,085.07	3/4	1,720.26	3/4	1,357.88	3/4	995.04	3/4	630.80	3/4	265.95	3/4	36.50	3/4		3/4		3/4	
7	2,077.47	7	1,712.66	7	1,350.44	7	987.46	7	623.20	7	258.35	7	35.30	7		7		7	
1/4	2,069.87	1/4	1,705.06	1/4	1,343.00	1/4	979.89	1/4	615.60	1/4	250.75	1/4	34.10	1/4		1/4		1/4	
1/2	2,062.27	1/2	1,697.46	1/2	1,335.56	1/2	972.32	1/2	608.00	1/2	243.15	1/2	32.90	1/2		1/2		1/2	
3/4	2,054.67	3/4	1,689.86	3/4	1,328.13	3/4	964.75	3/4	600.39	3/4	235.55	3/4	31.70	3/4		3/4		3/4	
8	2,047.07	8	1,682.26	8	1,320.69	8	957.18	8	592.79	8	227.94	8	30.50	8		8		8	
1/4	2,039.47	1/4	1,674.66	1/4	1,313.25	1/4	949.61	1/4	585.19	1/4	220.34	1/4	29.30	1/4		1/4		1/4	
1/2	2,031.87	1/2	1,667.06	1/2	1,305.81	1/2	942.03	1/2	577.59	1/2	212.74	1/2	28.10	1/2		1/2		1/2	
3/4	2,024.27	3/4	1,659.46	3/4	1,298.29	3/4	934.46	3/4	569.99	3/4	205.14	3/4	26.90	3/4		3/4		3/4	
9	2,016.67	9	1,651.86	9	1,290.77	9	926.89	9	562.39	9	197.54	9	25.70	9		9		9	
1/4	2,009.07	1/4	1,644.26	1/4	1,283.25	1/4	919.32	1/4	554.79	1/4	189.94	1/4	24.50	1/4		1/4		1/4	
1/2	2,001.47	1/2	1,636.66	1/2	1,275.73	1/2	911.75	1/2	547.19	1/2	182.34	1/2	23.30	1/2		1/2		1/2	
3/4	1,993.87	3/4	1,629.06	3/4	1,268.13	3/4	904.18	3/4	539.59	3/4	174.74	3/4	22.10	3/4		3/4		3/4	
10	1,986.27	10	1,621.46	10	1,260.53	10	896.60	10	531.98	10	167.14	10	20.90	10		10		10	
1/4	1,978.67	1/4	1,613.86	1/4	1,252.93	1/4	889.03	1/4	524.38	1/4	159.54	1/4	19.70	1/4		1/4		1/4	
1/2	1,971.07	1/2	1,606.26	1/2	1,245.33	1/2	881.46	1/2	516.78	1/2	151.93	1/2	18.50	1/2		1/2		1/2	
3/4	1,963.47	3/4	1,598.65	3/4	1,237.73	3/4	873.89	3/4	509.18	3/4	144.65	3/4	17.30	3/4		3/4		3/4	
11	1,955.87	11	1,591.05	11	1,230.12	11	866.31	11	501.58	11	137.37	11	16.10	11		11		11	
1/4	1,948.27	1/4	1,583.45	1/4	1,222.52	1/4	858.74	1/4	493.98	1/4	130.08	1/4	14.90	1/4		1/4		1/4	
1/2	1,940.67	1/2	1,575.85	1/2	1,214.92	1/2	851.17	1/2	486.38	1/2	122.80	1/2	13.70	1/2		1/2		1/2	
3/4	1,933.06	3/4	1,568.25	3/4	1,207.32	3/4	843.58	3/4	478.78	3/4	116.46	3/4	12.50	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/23/2009 CL - SW
CALCULATED: 07/24/2009 CL
PRINTED: 07/24/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2009

PRECISION MEASUREMENT
& ANALYSIS, INC.

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