



BARGE "KIRBY 28146"

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-06"

May 15, 2012

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28146"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,201.31	0	3,912.62	0	3,609.59	0	3,292.68	0	2,963.61	0	2,632.49	0	2,301.35
1/4		1/4		1/4		1/4	4,195.40	1/4	3,906.47	1/4	3,603.12	1/4	3,285.93	1/4	2,956.71	1/4	2,625.60	1/4	2,294.45
1/2		1/2		1/2		1/2	4,189.50	1/2	3,900.32	1/2	3,596.65	1/2	3,279.19	1/2	2,949.81	1/2	2,618.70	1/2	2,287.55
3/4		3/4		3/4		3/4	4,183.59	3/4	3,894.17	3/4	3,590.19	3/4	3,272.44	3/4	2,942.91	3/4	2,611.80	3/4	2,280.65
1		1		1		1	4,177.66	1	3,888.00	1	3,583.70	1	3,265.66	1	2,936.01	1	2,604.90	1	2,273.75
1/4		1/4		1/4		1/4	4,171.74	1/4	3,881.82	1/4	3,577.21	1/4	3,258.88	1/4	2,929.12	1/4	2,598.00	1/4	2,266.85
1/2		1/2		1/2		1/2	4,165.81	1/2	3,875.64	1/2	3,570.72	1/2	3,252.10	1/2	2,922.22	1/2	2,591.10	1/2	2,259.95
3/4		3/4		3/4		3/4	4,159.88	3/4	3,869.47	3/4	3,564.23	3/4	3,245.33	3/4	2,915.32	3/4	2,584.21	3/4	2,253.05
2		2		2		2	4,153.93	2	3,863.27	2	3,557.71	2	3,238.53	2	2,908.42	2	2,577.31	2	2,246.15
1/4		1/4		1/4		1/4	4,147.97	1/4	3,857.07	1/4	3,551.20	1/4	3,231.74	1/4	2,901.52	1/4	2,570.41	1/4	2,239.25
1/2		1/2		1/2		1/2	4,142.02	1/2	3,850.87	1/2	3,544.69	1/2	3,224.94	1/2	2,894.63	1/2	2,563.51	1/2	2,232.36
3/4		3/4		3/4		3/4	4,136.06	3/4	3,844.67	3/4	3,538.18	3/4	3,218.14	3/4	2,887.73	3/4	2,556.61	3/4	2,225.46
3		3		3		3	4,130.12	3	3,838.42	3	3,531.64	3	3,211.33	3	2,880.83	3	2,549.72	3	2,218.56
1/4		1/4		1/4		1/4	4,124.18	1/4	3,832.16	1/4	3,525.10	1/4	3,204.51	1/4	2,873.93	1/4	2,542.82	1/4	2,211.66
1/2		1/2		1/2		1/2	4,118.24	1/2	3,825.91	1/2	3,518.56	1/2	3,197.69	1/2	2,867.03	1/2	2,535.92	1/2	2,204.76
3/4		3/4		3/4		3/4	4,112.30	3/4	3,819.66	3/4	3,512.03	3/4	3,190.87	3/4	2,860.13	3/4	2,529.02	3/4	2,197.86
4		4		4		4	4,106.33	4	3,813.38	4	3,505.47	4	3,184.03	4	2,853.24	4	2,522.12	4	2,190.96
1/4		1/4		1/4		1/4	4,100.37	1/4	3,807.09	1/4	3,498.91	1/4	3,177.18	1/4	2,846.34	1/4	2,515.22	1/4	2,184.06
1/2		1/2		1/2		1/2	4,094.41	1/2	3,800.81	1/2	3,492.35	1/2	3,170.33	1/2	2,839.44	1/2	2,508.33	1/2	2,177.16
3/4		3/4		3/4		3/4	4,088.44	3/4	3,794.53	3/4	3,485.79	3/4	3,163.49	3/4	2,832.54	3/4	2,501.43	3/4	2,170.26
5		5		5		5	4,082.45	5	3,788.23	5	3,479.20	5	3,156.62	5	2,825.64	5	2,494.53	5	2,163.36
1/4		1/4		1/4		1/4	4,076.46	1/4	3,781.93	1/4	3,472.61	1/4	3,149.75	1/4	2,818.75	1/4	2,487.63	1/4	2,156.46
1/2		1/2		1/2		1/2	4,070.47	1/2	3,775.63	1/2	3,466.02	1/2	3,142.89	1/2	2,811.85	1/2	2,480.73	1/2	2,149.56
3/4		3/4		3/4		3/4	4,064.48	3/4	3,769.33	3/4	3,459.43	3/4	3,136.02	3/4	2,804.95	3/4	2,473.84	3/4	2,142.66
6		6		6	4,356.68	6	4,058.47	6	3,762.99	6	3,452.82	6	3,129.13	6	2,798.05	6	2,466.94	6	2,135.76
1/4		1/4		1/4	4,351.50	1/4	4,052.46	1/4	3,756.66	1/4	3,446.21	1/4	3,122.25	1/4	2,791.15	1/4	2,460.04	1/4	2,128.86
1/2		1/2		1/2	4,346.33	1/2	4,046.45	1/2	3,750.33	1/2	3,439.61	1/2	3,115.36	1/2	2,784.25	1/2	2,453.14	1/2	2,121.96
3/4		3/4		3/4	4,341.15	3/4	4,040.44	3/4	3,744.00	3/4	3,433.00	3/4	3,108.47	3/4	2,777.36	3/4	2,446.24	3/4	2,115.06
7		7		7	4,334.25	7	4,034.40	7	3,737.65	7	3,426.37	7	3,101.57	7	2,770.46	7	2,439.34	7	2,108.16
1/4		1/4		1/4	4,327.35	1/4	4,028.36	1/4	3,731.30	1/4	3,419.74	1/4	3,094.67	1/4	2,763.56	1/4	2,432.44	1/4	2,101.26
1/2		1/2		1/2	4,320.45	1/2	4,022.32	1/2	3,724.95	1/2	3,413.11	1/2	3,087.78	1/2	2,756.66	1/2	2,425.54	1/2	2,094.36
3/4		3/4		3/4	4,313.55	3/4	4,016.28	3/4	3,718.60	3/4	3,406.48	3/4	3,080.88	3/4	2,749.76	3/4	2,418.64	3/4	2,087.46
8		8		8	4,306.65	8	4,010.22	8	3,712.23	8	3,399.82	8	3,073.98	8	2,742.87	8	2,411.74	8	2,080.56
1/4		1/4		1/4	4,299.75	1/4	4,004.16	1/4	3,705.85	1/4	3,393.16	1/4	3,067.08	1/4	2,735.97	1/4	2,404.85	1/4	2,073.66
1/2		1/2		1/2	4,292.85	1/2	3,998.10	1/2	3,699.48	1/2	3,386.50	1/2	3,060.18	1/2	2,729.07	1/2	2,397.95	1/2	2,066.76
3/4		3/4		3/4	4,285.96	3/4	3,992.04	3/4	3,693.11	3/4	3,379.85	3/4	3,053.28	3/4	2,722.17	3/4	2,391.05	3/4	2,059.87
9		9		9	4,279.06	9	3,985.96	9	3,686.71	9	3,373.17	9	3,046.39	9	2,715.27	9	2,384.15	9	2,052.97
1/4		1/4		1/4	4,272.16	1/4	3,979.88	1/4	3,680.31	1/4	3,366.49	1/4	3,039.49	1/4	2,708.37	1/4	2,377.25	1/4	2,046.07
1/2		1/2		1/2	4,265.26	1/2	3,973.80	1/2	3,673.91	1/2	3,359.81	1/2	3,032.59	1/2	2,701.48	1/2	2,370.35	1/2	2,039.17
3/4		3/4		3/4	4,258.36	3/4	3,967.72	3/4	3,667.51	3/4	3,353.14	3/4	3,025.69	3/4	2,694.58	3/4	2,363.45	3/4	2,032.27
10		10		10	4,251.46	10	3,961.61	10	3,661.09	10	3,346.44	10	3,018.79	10	2,687.68	10	2,356.55	10	2,025.37
1/4		1/4		1/4	4,244.56	1/4	3,955.51	1/4	3,654.67	1/4	3,339.74	1/4	3,011.90	1/4	2,680.78	1/4	2,349.65	1/4	2,018.47
1/2		1/2		1/2	4,237.66	1/2	3,949.40	1/2	3,648.25	1/2	3,333.04	1/2	3,005.00	1/2	2,673.88	1/2	2,342.75	1/2	2,011.57
3/4		3/4		3/4	4,230.76	3/4	3,943.29	3/4	3,641.83	3/4	3,326.34	3/4	2,998.10	3/4	2,666.99	3/4	2,335.85	3/4	2,004.67
11		11		11	4,224.87	11	3,937.16	11	3,635.39	11	3,319.61	11	2,991.20	11	2,660.09	11	2,328.95	11	1,997.77
1/4		1/4		1/4	4,218.99	1/4	3,931.03	1/4	3,628.94	1/4	3,312.88	1/4	2,984.30	1/4	2,653.19	1/4	2,322.05	1/4	1,990.87
1/2		1/2		1/2	4,213.10	1/2	3,924.90	1/2	3,622.50	1/2	3,306.16	1/2	2,977.40	1/2	2,646.29	1/2	2,315.15	1/2	1,983.97
3/4		3/4		3/4	4,207.22	3/4	3,918.77	3/4	3,616.06	3/4	3,299.43	3/4	2,970.51	3/4	2,639.39	3/4	2,308.25	3/4	1,977.07

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 37'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
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BARGE "KIRBY 28146"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,963.27	1/4	1,632.09	1/4	1,300.91	1/4	970.23	1/4	655.20	1/4	363.24	1/4	94.86	1/4		1/4		1/4	
1/2	1,956.37	1/2	1,625.19	1/2	1,294.01	1/2	963.41	1/2	648.87	1/2	357.40	1/2	89.51	1/2		1/2		1/2	
3/4	1,949.47	3/4	1,618.29	3/4	1,287.11	3/4	956.59	3/4	642.54	3/4	351.56	3/4	84.16	3/4		3/4		3/4	
1	1,942.57	1	1,611.39	1	1,280.21	1	949.83	1	636.25	1	345.77	1	78.86	1		1		1	
1/4	1,935.67	1/4	1,604.49	1/4	1,273.31	1/4	943.07	1/4	629.97	1/4	339.97	1/4	73.56	1/4		1/4		1/4	
1/2	1,928.77	1/2	1,597.59	1/2	1,266.41	1/2	936.30	1/2	623.68	1/2	334.18	1/2	68.26	1/2		1/2		1/2	
3/4	1,921.87	3/4	1,590.69	3/4	1,259.51	3/4	929.54	3/4	617.39	3/4	328.38	3/4	62.96	3/4		3/4		3/4	
2	1,914.97	2	1,583.79	2	1,252.61	2	922.82	2	611.15	2	322.63	2	57.70	2		2		2	
1/4	1,908.07	1/4	1,576.89	1/4	1,245.71	1/4	916.10	1/4	604.90	1/4	316.87	1/4	52.44	1/4		1/4		1/4	
1/2	1,901.17	1/2	1,569.99	1/2	1,238.81	1/2	909.38	1/2	598.65	1/2	311.11	1/2	47.17	1/2		1/2		1/2	
3/4	1,894.27	3/4	1,563.09	3/4	1,231.91	3/4	902.65	3/4	592.41	3/4	305.36	3/4	41.91	3/4		3/4		3/4	
3	1,887.38	3	1,556.19	3	1,225.01	3	895.97	3	586.20	3	299.64	3	37.56	3		3		3	
1/4	1,880.48	1/4	1,549.29	1/4	1,218.11	1/4	889.29	1/4	580.00	1/4	293.93	1/4	33.20	1/4		1/4		1/4	
1/2	1,873.58	1/2	1,542.40	1/2	1,211.21	1/2	882.61	1/2	573.79	1/2	288.22	1/2	28.85	1/2		1/2		1/2	
3/4	1,866.68	3/4	1,535.50	3/4	1,204.31	3/4	875.93	3/4	567.59	3/4	282.51	3/4	24.49	3/4		3/4		3/4	
4	1,859.78	4	1,528.60	4	1,197.42	4	869.29	4	561.42	4	276.83	4	21.90	4		4		4	
1/4	1,852.88	1/4	1,521.70	1/4	1,190.52	1/4	862.65	1/4	555.26	1/4	271.16	1/4	19.31	1/4		1/4		1/4	
1/2	1,845.98	1/2	1,514.80	1/2	1,183.62	1/2	856.01	1/2	549.09	1/2	265.48	1/2	16.71	1/2		1/2		1/2	
3/4	1,839.08	3/4	1,507.90	3/4	1,176.72	3/4	849.37	3/4	542.93	3/4	259.81	3/4	14.12	3/4		3/4		3/4	
5	1,832.18	5	1,501.00	5	1,169.82	5	842.77	5	536.80	5	254.18	5		5		5		5	
1/4	1,825.28	1/4	1,494.10	1/4	1,162.92	1/4	836.18	1/4	530.68	1/4	248.55	1/4		1/4		1/4		1/4	
1/2	1,818.38	1/2	1,487.20	1/2	1,156.02	1/2	829.58	1/2	524.56	1/2	242.92	1/2		1/2		1/2		1/2	
3/4	1,811.48	3/4	1,480.30	3/4	1,149.12	3/4	822.98	3/4	518.44	3/4	237.29	3/4		3/4		3/4		3/4	
6	1,804.58	6	1,473.40	6	1,142.22	6	816.42	6	512.35	6	231.69	6		6		6		6	
1/4	1,797.68	1/4	1,466.50	1/4	1,135.32	1/4	809.86	1/4	506.27	1/4	226.10	1/4		1/4		1/4		1/4	
1/2	1,790.78	1/2	1,459.60	1/2	1,128.42	1/2	803.30	1/2	500.19	1/2	220.50	1/2		1/2		1/2		1/2	
3/4	1,783.88	3/4	1,452.70	3/4	1,121.52	3/4	796.74	3/4	494.10	3/4	214.91	3/4		3/4		3/4		3/4	
7	1,776.98	7	1,445.80	7	1,114.62	7	790.23	7	488.06	7	209.36	7		7		7		7	
1/4	1,770.08	1/4	1,438.90	1/4	1,107.72	1/4	783.71	1/4	482.02	1/4	203.81	1/4		1/4		1/4		1/4	
1/2	1,763.18	1/2	1,432.00	1/2	1,100.82	1/2	777.20	1/2	475.98	1/2	198.27	1/2		1/2		1/2		1/2	
3/4	1,756.28	3/4	1,425.10	3/4	1,093.92	3/4	770.68	3/4	469.94	3/4	192.72	3/4		3/4		3/4		3/4	
8	1,749.38	8	1,418.20	8	1,087.02	8	764.20	8	463.94	8	187.21	8		8		8		8	
1/4	1,742.48	1/4	1,411.30	1/4	1,080.12	1/4	757.73	1/4	457.94	1/4	181.69	1/4		1/4		1/4		1/4	
1/2	1,735.58	1/2	1,404.40	1/2	1,073.23	1/2	751.25	1/2	451.94	1/2	176.18	1/2		1/2		1/2		1/2	
3/4	1,728.68	3/4	1,397.50	3/4	1,066.33	3/4	744.77	3/4	445.93	3/4	170.67	3/4		3/4		3/4		3/4	
9	1,721.78	9	1,390.60	9	1,059.44	9	738.32	9	439.98	9	165.20	9		9		9		9	
1/4	1,714.89	1/4	1,383.70	1/4	1,052.55	1/4	731.87	1/4	434.02	1/4	159.74	1/4		1/4		1/4		1/4	
1/2	1,707.99	1/2	1,376.80	1/2	1,045.66	1/2	725.42	1/2	428.06	1/2	154.27	1/2		1/2		1/2		1/2	
3/4	1,701.09	3/4	1,369.91	3/4	1,038.77	3/4	718.97	3/4	422.10	3/4	148.80	3/4		3/4		3/4		3/4	
10	1,694.19	10	1,363.01	10	1,031.89	10	712.56	10	416.18	10	143.37	10		10		10		10	
1/4	1,687.29	1/4	1,356.11	1/4	1,025.02	1/4	706.15	1/4	410.26	1/4	137.94	1/4		1/4		1/4		1/4	
1/2	1,680.39	1/2	1,349.21	1/2	1,018.14	1/2	699.74	1/2	404.34	1/2	132.51	1/2		1/2		1/2		1/2	
3/4	1,673.49	3/4	1,342.31	3/4	1,011.27	3/4	693.33	3/4	398.42	3/4	127.08	3/4		3/4		3/4		3/4	
11	1,666.59	11	1,335.41	11	1,004.42	11	686.96	11	392.54	11	121.70	11		11		11		11	
1/4	1,659.69	1/4	1,328.51	1/4	997.56	1/4	680.59	1/4	386.67	1/4	116.31	1/4		1/4		1/4		1/4	
1/2	1,652.79	1/2	1,321.61	1/2	990.71	1/2	674.22	1/2	380.79	1/2	110.93	1/2		1/2		1/2		1/2	
3/4	1,645.89	3/4	1,314.71	3/4	983.86	3/4	667.85	3/4	374.91	3/4	105.55	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2012 CL - SW
CALCULATED: 05/15/2012 CL
PRINTED: 05/15/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

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



BARGE "KIRBY 28146"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							4,198.44		3,909.83		3,606.88		3,290.05		2,961.06		2,630.03		2,298.98		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,192.53	1/4	3,903.68	1/4	3,600.41	1/4	3,283.30	1/4	2,954.16	1/4	2,623.14	1/4	2,292.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,186.63	1/2	3,897.53	1/2	3,593.94	1/2	3,276.56	1/2	2,947.27	1/2	2,616.24	1/2	2,285.18		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,180.73	3/4	3,891.38	3/4	3,587.47	3/4	3,269.81	3/4	2,940.37	3/4	2,609.34	3/4	2,278.28		
1	1	1	1	1	1	1	4,174.80	1	3,885.21	1	3,580.99	1	3,263.03	1	2,933.47	1	2,602.45	1	2,271.38		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,168.87	1/4	3,879.03	1/4	3,574.50	1/4	3,256.26	1/4	2,926.58	1/4	2,595.55	1/4	2,264.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,162.95	1/2	3,872.86	1/2	3,568.01	1/2	3,249.48	1/2	2,919.68	1/2	2,588.65	1/2	2,257.59		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,157.02	3/4	3,866.68	3/4	3,561.52	3/4	3,242.71	3/4	2,912.78	3/4	2,581.76	3/4	2,250.69		
2	2	2	2	2	2	2	4,151.07	2	3,860.48	2	3,555.01	2	3,235.91	2	2,905.89	2	2,574.86	2	2,243.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,145.11	1/4	3,854.29	1/4	3,548.50	1/4	3,229.12	1/4	2,898.99	1/4	2,567.96	1/4	2,236.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,139.16	1/2	3,848.09	1/2	3,541.99	1/2	3,222.32	1/2	2,892.10	1/2	2,561.07	1/2	2,230.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,133.21	3/4	3,841.89	3/4	3,535.48	3/4	3,215.53	3/4	2,885.20	3/4	2,554.17	3/4	2,223.10		
3	3	3	3	3	3	3	4,127.27	3	3,835.64	3	3,528.94	3	3,208.71	3	2,878.30	3	2,547.28	3	2,216.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,121.33	1/4	3,829.39	1/4	3,522.41	1/4	3,201.90	1/4	2,871.41	1/4	2,540.38	1/4	2,209.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,115.39	1/2	3,823.14	1/2	3,515.87	1/2	3,195.08	1/2	2,864.51	1/2	2,533.48	1/2	2,202.41		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,109.45	3/4	3,816.88	3/4	3,509.33	3/4	3,188.27	3/4	2,857.61	3/4	2,526.59	3/4	2,195.51		
4	4	4	4	4	4	4	4,103.49	4	3,810.61	4	3,502.78	4	3,181.42	4	2,850.72	4	2,519.69	4	2,188.61		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,097.52	1/4	3,804.33	1/4	3,496.22	1/4	3,174.58	1/4	2,843.82	1/4	2,512.79	1/4	2,181.71		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,091.56	1/2	3,798.05	1/2	3,489.66	1/2	3,167.73	1/2	2,836.92	1/2	2,505.90	1/2	2,174.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,085.60	3/4	3,791.77	3/4	3,483.10	3/4	3,160.88	3/4	2,830.03	3/4	2,499.00	3/4	2,167.92		
5	5	5	5	5	5	5	4,079.61	5	3,785.47	5	3,476.51	5	3,154.02	5	2,823.13	5	2,492.10	5	2,161.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,073.62	1/4	3,779.17	1/4	3,469.93	1/4	3,147.16	1/4	2,816.24	1/4	2,485.21	1/4	2,154.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,067.64	1/2	3,772.87	1/2	3,463.34	1/2	3,140.29	1/2	2,809.34	1/2	2,478.31	1/2	2,147.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,061.65	3/4	3,766.57	3/4	3,456.75	3/4	3,133.43	3/4	2,802.44	3/4	2,471.42	3/4	2,140.33		
6	6	6	6	6	6	6	4,055.64	6	3,760.24	6	3,450.15	6	3,126.54	6	2,795.55	6	2,464.52	6	2,133.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,348.59	1/4	4,049.63	1/4	3,753.91	1/4	3,443.54	1/4	3,119.66	1/4	2,788.65	1/4	2,462.62	1/4	2,126.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,343.42	1/2	4,043.62	1/2	3,747.58	1/2	3,436.93	1/2	3,112.77	1/2	2,781.75	1/2	2,450.73	1/2	2,119.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,338.24	3/4	4,037.61	3/4	3,741.25	3/4	3,430.33	3/4	3,105.88	3/4	2,774.86	3/4	2,443.83	3/4	2,112.74
7	7	7	7	7	7	7	4,331.35	7	4,031.57	7	3,734.90	7	3,423.70	7	3,098.99	7	2,767.96	7	2,436.93	7	2,105.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,324.45	1/4	4,025.53	1/4	3,728.55	1/4	3,417.07	1/4	3,092.09	1/4	2,761.06	1/4	2,430.03	1/4	2,098.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,317.55	1/2	4,019.49	1/2	3,722.20	1/2	3,410.44	1/2	3,085.19	1/2	2,754.17	1/2	2,423.14	1/2	2,092.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,310.65	3/4	4,013.45	3/4	3,715.85	3/4	3,403.81	3/4	3,078.30	3/4	2,747.27	3/4	2,416.24	3/4	2,085.14
8	8	8	8	8	8	8	4,303.76	8	4,007.40	8	3,709.48	8	3,397.16	8	3,071.40	8	2,740.37	8	2,409.34	8	2,078.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,296.86	1/4	4,001.34	1/4	3,703.11	1/4	3,390.50	1/4	3,064.51	1/4	2,733.48	1/4	2,402.44	1/4	2,071.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,289.96	1/2	3,995.28	1/2	3,696.74	1/2	3,383.85	1/2	3,057.61	1/2	2,726.58	1/2	2,395.55	1/2	2,064.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,283.06	3/4	3,989.23	3/4	3,690.37	3/4	3,377.19	3/4	3,050.71	3/4	2,719.69	3/4	2,388.65	3/4	2,057.55
9	9	9	9	9	9	9	4,276.16	9	3,983.15	9	3,683.97	9	3,370.51	9	3,043.82	9	2,712.79	9	2,381.75	9	2,050.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,269.27	1/4	3,977.07	1/4	3,677.57	1/4	3,363.84	1/4	3,036.92	1/4	2,705.89	1/4	2,374.85	1/4	2,043.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,262.37	1/2	3,970.99	1/2	3,671.18	1/2	3,357.16	1/2	3,030.02	1/2	2,699.00	1/2	2,367.95	1/2	2,036.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,255.47	3/4	3,964.91	3/4	3,664.78	3/4	3,350.49	3/4	3,023.13	3/4	2,692.10	3/4	2,361.06	3/4	2,029.96
10	10	10	10	10	10	10	4,248.57	10	3,958.80	10	3,658.36	10	3,343.79	10	3,016.23	10	2,685.20	10	2,354.16	10	2,023.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,241.68	1/4	3,952.70	1/4	3,651.94	1/4	3,337.09	1/4	3,009.33	1/4	2,678.31	1/4	2,347.26	1/4	2,016.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,234.78	1/2	3,946.59	1/2	3,645.52	1/2	3,330.39	1/2	3,002.44	1/2	2,671.41	1/2	2,340.36	1/2	2,009.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,227.88	3/4	3,940.48	3/4	3,639.10	3/4	3,323.69	3/4	2,995.54	3/4	2,664.51	3/4	2,333.46	3/4	2,002.37
11	11	11	11	11	11	11	4,222.00	11	3,934.36	11	3,632.66	11	3,316.97	11	2,988.65	11	2,657.62	11	2,326.57	11	1,995.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,216.11	1/4	3,928.23	1/4	3,626.22	1/4	3,310.24	1/4	2,981.75	1/4	2,650.72	1/4	2,319.67	1/4	1,988.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,210.23	1/2	3,922.10	1/2	3,619.78	1/2	3,303.52	1/2	2,974.85	1/2	2,643.83	1/2	2,312.77	1/2	1,981.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,204.34	3/4	3,915.98	3/4	3,613.34	3/4	3,296.79	3/4	2,967.96	3/4	2,636.93	3/4	2,305.87	3/4	1,974.78

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 37'-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 28146"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,967.88	0	1,636.79	0	1,305.69	0	975.17	0	661.34	0	368.97	0	100.17	0		0		0	
1/4	1,960.98	1/4	1,629.89	1/4	1,298.79	1/4	968.39	1/4	655.01	1/4	363.13	1/4	94.83	1/4	1/4	1/4		1/4	
1/2	1,954.09	1/2	1,622.99	1/2	1,291.90	1/2	961.61	1/2	648.69	1/2	357.30	1/2	89.48	1/2	1/2	1/2		1/2	
3/4	1,947.19	3/4	1,616.09	3/4	1,285.00	3/4	954.83	3/4	642.36	3/4	351.46	3/4	84.14	3/4	3/4	3/4		3/4	
1	1,940.29	1	1,609.20	1	1,278.10	1	948.11	1	636.07	1	345.67	1	78.84	1	1	1		1	
1/4	1,933.39	1/4	1,602.30	1/4	1,271.20	1/4	941.38	1/4	629.79	1/4	339.88	1/4	73.54	1/4	1/4	1/4		1/4	
1/2	1,926.49	1/2	1,595.40	1/2	1,264.31	1/2	934.66	1/2	623.50	1/2	334.08	1/2	68.24	1/2	1/2	1/2		1/2	
3/4	1,919.60	3/4	1,588.50	3/4	1,257.41	3/4	927.94	3/4	617.22	3/4	328.29	3/4	62.94	3/4	3/4	3/4		3/4	
2	1,912.70	2	1,581.60	2	1,250.51	2	921.26	2	610.98	2	322.54	2	57.68	2	2	2		2	
1/4	1,905.80	1/4	1,574.71	1/4	1,243.61	1/4	914.58	1/4	604.73	1/4	316.78	1/4	52.42	1/4	1/4	1/4		1/4	
1/2	1,898.90	1/2	1,567.81	1/2	1,236.71	1/2	907.90	1/2	598.48	1/2	311.03	1/2	47.16	1/2	1/2	1/2		1/2	
3/4	1,892.01	3/4	1,560.91	3/4	1,229.82	3/4	901.21	3/4	592.24	3/4	305.27	3/4	41.90	3/4	3/4	3/4		3/4	
3	1,885.11	3	1,554.01	3	1,222.92	3	894.58	3	586.04	3	299.56	3	37.55	3	3	3		3	
1/4	1,878.21	1/4	1,547.12	1/4	1,216.02	1/4	887.94	1/4	579.83	1/4	293.85	1/4	33.19	1/4	1/4	1/4		1/4	
1/2	1,871.31	1/2	1,540.22	1/2	1,209.12	1/2	881.30	1/2	573.63	1/2	288.14	1/2	28.84	1/2	1/2	1/2		1/2	
3/4	1,864.41	3/4	1,533.32	3/4	1,202.23	3/4	874.66	3/4	567.43	3/4	282.43	3/4	24.48	3/4	3/4	3/4		3/4	
4	1,857.52	4	1,526.42	4	1,195.33	4	868.06	4	561.26	4	276.75	4	21.89	4	4	4		4	
1/4	1,850.62	1/4	1,519.52	1/4	1,188.43	1/4	861.46	1/4	555.10	1/4	271.08	1/4	19.30	1/4	1/4	1/4		1/4	
1/2	1,843.72	1/2	1,512.63	1/2	1,181.53	1/2	854.86	1/2	548.94	1/2	265.41	1/2	16.71	1/2	1/2	1/2		1/2	
3/4	1,836.82	3/4	1,505.73	3/4	1,174.63	3/4	848.26	3/4	542.77	3/4	259.73	3/4	14.12	3/4	3/4	3/4		3/4	
5	1,829.93	5	1,498.83	5	1,167.74	5	841.70	5	536.65	5	254.10	5		5	5	5		5	
1/4	1,823.03	1/4	1,491.93	1/4	1,160.84	1/4	835.14	1/4	530.53	1/4	248.48	1/4		1/4	1/4	1/4		1/4	
1/2	1,816.13	1/2	1,485.04	1/2	1,153.94	1/2	828.58	1/2	524.41	1/2	242.85	1/2		1/2	1/2	1/2		1/2	
3/4	1,809.23	3/4	1,478.14	3/4	1,147.04	3/4	822.03	3/4	518.29	3/4	237.22	3/4		3/4	3/4	3/4		3/4	
6	1,802.33	6	1,471.24	6	1,140.15	6	815.51	6	512.21	6	231.63	6		6	6	6		6	
1/4	1,795.44	1/4	1,464.34	1/4	1,133.25	1/4	808.99	1/4	506.13	1/4	226.03	1/4		1/4	1/4	1/4		1/4	
1/2	1,788.54	1/2	1,457.44	1/2	1,126.35	1/2	802.47	1/2	500.05	1/2	220.44	1/2		1/2	1/2	1/2		1/2	
3/4	1,781.64	3/4	1,450.55	3/4	1,119.45	3/4	795.95	3/4	493.96	3/4	214.85	3/4		3/4	3/4	3/4		3/4	
7	1,774.74	7	1,443.65	7	1,112.55	7	789.48	7	487.93	7	209.30	7		7	7	7		7	
1/4	1,767.85	1/4	1,436.75	1/4	1,105.66	1/4	783.00	1/4	481.89	1/4	203.76	1/4		1/4	1/4	1/4		1/4	
1/2	1,760.95	1/2	1,429.85	1/2	1,098.76	1/2	776.52	1/2	475.85	1/2	198.21	1/2		1/2	1/2	1/2		1/2	
3/4	1,754.05	3/4	1,422.96	3/4	1,091.86	3/4	770.05	3/4	469.81	3/4	192.66	3/4		3/4	3/4	3/4		3/4	
8	1,747.15	8	1,416.06	8	1,084.96	8	763.61	8	463.81	8	187.15	8		8	8	8		8	
1/4	1,740.25	1/4	1,409.16	1/4	1,078.07	1/4	757.17	1/4	457.81	1/4	181.64	1/4		1/4	1/4	1/4		1/4	
1/2	1,733.36	1/2	1,402.26	1/2	1,071.17	1/2	750.74	1/2	451.81	1/2	176.13	1/2		1/2	1/2	1/2		1/2	
3/4	1,726.46	3/4	1,395.36	3/4	1,064.27	3/4	744.30	3/4	445.81	3/4	170.62	3/4		3/4	3/4	3/4		3/4	
9	1,719.56	9	1,388.47	9	1,057.39	9	737.89	9	439.85	9	165.16	9		9	9	9		9	
1/4	1,712.66	1/4	1,381.57	1/4	1,050.50	1/4	731.48	1/4	433.89	1/4	159.69	1/4		1/4	1/4	1/4		1/4	
1/2	1,705.77	1/2	1,374.67	1/2	1,043.61	1/2	725.06	1/2	427.94	1/2	154.23	1/2		1/2	1/2	1/2		1/2	
3/4	1,698.87	3/4	1,367.77	3/4	1,036.72	3/4	718.65	3/4	421.98	3/4	148.76	3/4		3/4	3/4	3/4		3/4	
10	1,691.97	10	1,360.88	10	1,029.85	10	712.27	10	416.06	10	143.33	10		10	10	10		10	
1/4	1,685.07	1/4	1,353.98	1/4	1,022.97	1/4	705.89	1/4	410.14	1/4	137.90	1/4		1/4	1/4	1/4		1/4	
1/2	1,678.17	1/2	1,347.08	1/2	1,016.10	1/2	699.51	1/2	404.23	1/2	132.47	1/2		1/2	1/2	1/2		1/2	
3/4	1,671.28	3/4	1,340.18	3/4	1,009.23	3/4	693.13	3/4	398.31	3/4	127.04	3/4		3/4	3/4	3/4		3/4	
11	1,664.38	11	1,333.28	11	1,002.41	11	686.77	11	392.43	11	121.66	11		11	11	11		11	
1/4	1,657.48	1/4	1,326.39	1/4	995.59	1/4	680.40	1/4	386.56	1/4	116.28	1/4		1/4	1/4	1/4		1/4	
1/2	1,650.58	1/2	1,319.49	1/2	988.77	1/2	674.03	1/2	380.68	1/2	110.90	1/2		1/2	1/2	1/2		1/2	
3/4	1,643.68	3/4	1,312.59	3/4	981.95	3/4	667.67	3/4	374.81	3/4	105.52	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2012 CL - SW
CALCULATED: 05/15/2012 CL
PRINTED: 05/15/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 28146"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	5,104.13	0	4,767.02	0	4,412.44	0	4,041.18	0	3,655.50	0	3,267.24	0	2,878.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,097.20	1/4	4,759.84	1/4	4,404.86	1/4	4,033.27	1/4	3,647.41	1/4	3,259.16	1/4	2,870.85		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,090.28	1/2	4,752.66	1/2	4,397.27	1/2	4,025.35	1/2	3,639.32	1/2	3,251.07	1/2	2,862.76		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,083.35	3/4	4,745.48	3/4	4,389.69	3/4	4,017.44	3/4	3,631.23	3/4	3,242.98	3/4	2,854.67		
1		1		1		1	5,076.42	1	4,738.29	1	4,382.10	1	4,009.53	1	3,623.14	1	3,232.14	1	2,846.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,069.47	1/4	4,731.08	1/4	4,374.49	1/4	4,001.58	1/4	3,615.05	1/4	3,226.80	1/4	2,838.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,062.52	1/2	4,723.87	1/2	4,366.88	1/2	3,993.63	1/2	3,606.96	1/2	3,218.71	1/2	2,830.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,055.57	3/4	4,716.66	3/4	4,359.27	3/4	3,985.69	3/4	3,598.88	3/4	3,210.62	3/4	2,822.30		
2		2		2		2	5,048.62	2	4,709.45	2	4,351.66	2	3,977.74	2	3,590.79	2	3,202.53	2	2,814.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,041.64	1/4	4,702.21	1/4	4,344.03	1/4	3,969.77	1/4	3,582.70	1/4	3,194.45	1/4	2,806.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,034.65	1/2	4,694.98	1/2	4,336.39	1/2	3,961.80	1/2	3,574.61	1/2	3,186.36	1/2	2,798.03		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,027.67	3/4	4,687.74	3/4	4,328.76	3/4	3,953.83	3/4	3,566.52	3/4	3,178.27	3/4	2,789.94		
3		3		3		3	5,020.69	3	4,680.50	3	4,321.12	3	3,945.87	3	3,558.43	3	3,170.18	3	2,781.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,013.75	1/4	4,673.17	1/4	4,313.46	1/4	3,937.87	1/4	3,550.34	1/4	3,162.09	1/4	2,773.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,006.81	1/2	4,665.84	1/2	4,305.79	1/2	3,929.88	1/2	3,542.26	1/2	3,154.00	1/2	2,765.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,999.88	3/4	4,658.50	3/4	4,298.12	3/4	3,921.88	3/4	3,534.17	3/4	3,145.91	3/4	2,757.57		
4		4		4		4	4,992.94	4	4,651.17	4	4,290.46	4	3,913.89	4	3,526.08	4	3,137.83	4	2,749.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,985.98	1/4	4,643.81	1/4	4,282.77	1/4	3,905.86	1/4	3,517.99	1/4	3,129.74	1/4	2,741.39		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,979.02	1/2	4,636.44	1/2	4,275.07	1/2	3,897.83	1/2	3,509.90	1/2	3,121.65	1/2	2,733.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,972.05	3/4	4,629.08	3/4	4,267.38	3/4	3,889.80	3/4	3,501.81	3/4	3,113.56	3/4	2,725.21		
5		5		5		5	4,965.09	5	4,621.71	5	4,259.69	5	3,881.78	5	3,493.72	5	3,105.47	5	2,717.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,958.10	1/4	4,614.32	1/4	4,251.96	1/4	3,873.73	1/4	3,485.64	1/4	3,097.38	1/4	2,709.02		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,951.10	1/2	4,606.93	1/2	4,244.24	1/2	3,865.67	1/2	3,477.55	1/2	3,089.29	1/2	2,700.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,944.11	3/4	4,599.54	3/4	4,236.51	3/4	3,857.62	3/4	3,469.46	3/4	3,081.21	3/4	2,692.84		
6		6		6		6	4,937.12	6	4,592.15	6	4,228.79	6	3,849.57	6	3,461.37	6	3,073.12	6	2,684.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,930.10	1/4	4,584.73	1/4	4,221.04	1/4	3,841.50	1/4	3,453.28	1/4	3,065.03	1/4	2,676.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,273.33	1/2	4,923.08	1/2	4,577.31	1/2	4,213.29	1/2	3,833.42	1/2	3,445.19	1/2	3,056.94	1/2	2,668.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,267.26	3/4	4,916.06	3/4	4,569.88	3/4	4,205.54	3/4	3,825.34	3/4	3,437.10	3/4	3,048.85	3/4	2,660.48
7		7		7		7	5,261.20	7	4,909.04	7	4,562.46	7	4,197.79	7	3,817.27	7	3,429.02	7	3,040.76	7	2,652.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,253.11	1/4	4,901.99	1/4	4,555.01	1/4	4,190.02	1/4	3,809.18	1/4	3,420.93	1/4	3,032.67	1/4	2,644.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,245.01	1/2	4,894.94	1/2	4,547.57	1/2	4,182.25	1/2	3,801.09	1/2	3,412.84	1/2	3,024.58	1/2	2,636.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,236.92	3/4	4,887.89	3/4	4,540.12	3/4	4,174.47	3/4	3,793.00	3/4	3,404.75	3/4	3,016.49	3/4	2,628.11
8		8		8		8	5,228.83	8	4,880.84	8	4,532.67	8	4,166.70	8	3,784.91	8	3,396.66	8	3,008.40	8	2,620.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,220.74	1/4	4,873.77	1/4	4,525.20	1/4	4,158.89	1/4	3,776.83	1/4	3,388.57	1/4	3,000.31	1/4	2,611.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,212.65	1/2	4,866.70	1/2	4,517.73	1/2	4,151.08	1/2	3,768.74	1/2	3,380.48	1/2	2,992.22	1/2	2,603.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,204.56	3/4	4,859.62	3/4	4,510.26	3/4	4,143.28	3/4	3,760.65	3/4	3,372.40	3/4	2,984.12	3/4	2,595.75
9		9		9		9	5,196.47	9	4,852.55	9	4,502.79	9	4,135.47	9	3,752.56	9	3,364.31	9	2,976.03	9	2,587.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,188.38	1/4	4,845.45	1/4	4,495.28	1/4	4,127.64	1/4	3,744.47	1/4	3,356.22	1/4	2,967.94	1/4	2,579.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,180.28	1/2	4,838.35	1/2	4,487.78	1/2	4,119.81	1/2	3,736.38	1/2	3,348.13	1/2	2,959.85	1/2	2,571.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,172.19	3/4	4,831.26	3/4	4,480.27	3/4	4,111.98	3/4	3,728.29	3/4	3,340.04	3/4	2,951.76	3/4	2,563.38
10		10		10		10	5,164.10	10	4,824.16	10	4,472.77	10	4,104.15	10	3,720.21	10	3,331.95	10	2,943.67	10	2,555.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,156.01	1/4	4,817.03	1/4	4,465.24	1/4	4,096.29	1/4	3,712.12	1/4	3,323.86	1/4	2,935.58	1/4	2,547.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,147.92	1/2	4,809.90	1/2	4,457.71	1/2	4,088.44	1/2	3,704.03	1/2	3,315.78	1/2	2,927.49	1/2	2,539.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,139.83	3/4	4,802.76	3/4	4,450.19	3/4	4,080.58	3/4	3,695.94	3/4	3,307.69	3/4	2,919.39	3/4	2,531.02
11		11		11		11	5,131.74	11	4,795.63	11	4,442.66	11	4,072.73	11	3,687.85	11	3,299.60	11	2,911.30	11	2,522.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,124.84	1/4	4,788.48	1/4	4,435.11	1/4	4,064.84	1/4	3,679.76	1/4	3,291.51	1/4	2,903.21	1/4	2,514.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,117.93	1/2	4,781.32	1/2	4,427.55	1/2	4,056.95	1/2	3,671.67	1/2	3,283.42	1/2	2,895.12	1/2	2,506.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,111.03	3/4	4,774.17	3/4	4,420.00	3/4	4,049.07	3/4	3,663.59	3/4	3,275.33	3/4	2,887.03	3/4	2,498.65

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-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 28146"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,490.56	0	2,102.18	0	1,713.81	0	1,325.43	0	937.05	0	549.54	0	161.58	0		0		0	
1/4	2,482.47	1/4	2,094.09	1/4	1,705.71	1/4	1,317.34	1/4	928.96	1/4	541.46	1/4	153.50	1/4	1/4	1/4		1/4	
1/2	2,474.38	1/2	2,086.00	1/2	1,697.62	1/2	1,309.25	1/2	920.87	1/2	533.38	1/2	145.42	1/2	1/2	1/2		1/2	
3/4	2,466.29	3/4	2,077.91	3/4	1,689.53	3/4	1,301.15	3/4	912.78	3/4	525.30	3/4	137.34	3/4	3/4	3/4		3/4	
1	2,458.20	1	2,069.82	1	1,681.44	1	1,293.06	1	904.69	1	517.21	1	129.25	1	1	1		1	
1/4	2,450.11	1/4	2,061.73	1/4	1,673.35	1/4	1,284.97	1/4	896.61	1/4	509.13	1/4	121.17	1/4	1/4	1/4		1/4	
1/2	2,442.01	1/2	2,053.64	1/2	1,665.26	1/2	1,276.88	1/2	888.53	1/2	501.05	1/2	113.09	1/2	1/2	1/2		1/2	
3/4	2,433.92	3/4	2,045.55	3/4	1,657.17	3/4	1,268.79	3/4	880.45	3/4	492.97	3/4	105.01	3/4	3/4	3/4		3/4	
2	2,425.83	2	2,037.45	2	1,649.08	2	1,260.70	2	872.37	2	484.88	2	96.92	2	2	2		2	
1/4	2,417.74	1/4	2,029.36	1/4	1,640.99	1/4	1,252.61	1/4	864.30	1/4	476.80	1/4	88.84	1/4	1/4	1/4		1/4	
1/2	2,409.65	1/2	2,021.27	1/2	1,632.89	1/2	1,244.52	1/2	856.24	1/2	468.72	1/2	80.76	1/2	1/2	1/2		1/2	
3/4	2,401.56	3/4	2,013.18	3/4	1,624.80	3/4	1,236.43	3/4	848.17	3/4	460.64	3/4	72.68	3/4	3/4	3/4		3/4	
3	2,393.47	3	2,005.09	3	1,616.71	3	1,228.33	3	840.10	3	452.55	3	64.59	3	3	3		3	
1/4	2,385.38	1/4	1,997.00	1/4	1,608.62	1/4	1,220.24	1/4	832.04	1/4	444.47	1/4	57.52	1/4	1/4	1/4		1/4	
1/2	2,377.28	1/2	1,988.91	1/2	1,600.53	1/2	1,212.15	1/2	823.97	1/2	436.39	1/2	50.45	1/2	1/2	1/2		1/2	
3/4	2,369.19	3/4	1,980.82	3/4	1,592.44	3/4	1,204.06	3/4	815.90	3/4	428.31	3/4	43.38	3/4	3/4	3/4		3/4	
4	2,361.10	4	1,972.72	4	1,584.35	4	1,195.97	4	807.84	4	420.22	4	36.31	4	4	4		4	
1/4	2,353.01	1/4	1,964.63	1/4	1,576.26	1/4	1,187.88	1/4	799.77	1/4	412.14	1/4	31.26	1/4	1/4	1/4		1/4	
1/2	2,344.92	1/2	1,956.54	1/2	1,568.16	1/2	1,179.79	1/2	791.70	1/2	404.06	1/2	26.21	1/2	1/2	1/2		1/2	
3/4	2,336.83	3/4	1,948.45	3/4	1,560.07	3/4	1,171.70	3/4	783.64	3/4	395.98	3/4	21.16	3/4	3/4	3/4		3/4	
5	2,328.74	5	1,940.36	5	1,551.98	5	1,163.60	5	775.57	5	387.89	5	16.11	5	5	5		5	
1/4	2,320.65	1/4	1,932.27	1/4	1,543.89	1/4	1,155.51	1/4	767.50	1/4	379.81	1/4		1/4	1/4	1/4		1/4	
1/2	2,312.55	1/2	1,924.18	1/2	1,535.80	1/2	1,147.42	1/2	759.44	1/2	371.73	1/2		1/2	1/2	1/2		1/2	
3/4	2,304.46	3/4	1,916.09	3/4	1,527.71	3/4	1,139.33	3/4	751.37	3/4	363.65	3/4		3/4	3/4	3/4		3/4	
6	2,296.37	6	1,907.99	6	1,519.62	6	1,131.24	6	743.30	6	355.56	6		6	6	6		6	
1/4	2,288.28	1/4	1,899.90	1/4	1,511.53	1/4	1,123.15	1/4	735.24	1/4	347.48	1/4		1/4	1/4	1/4		1/4	
1/2	2,280.19	1/2	1,891.81	1/2	1,503.43	1/2	1,115.06	1/2	727.17	1/2	339.40	1/2		1/2	1/2	1/2		1/2	
3/4	2,272.10	3/4	1,883.72	3/4	1,495.34	3/4	1,106.97	3/4	719.10	3/4	331.32	3/4		3/4	3/4	3/4		3/4	
7	2,264.01	7	1,875.63	7	1,487.25	7	1,098.87	7	711.04	7	323.23	7		7	7	7		7	
1/4	2,255.92	1/4	1,867.54	1/4	1,479.16	1/4	1,090.78	1/4	702.97	1/4	315.15	1/4		1/4	1/4	1/4		1/4	
1/2	2,247.83	1/2	1,859.45	1/2	1,471.07	1/2	1,082.69	1/2	694.90	1/2	307.07	1/2		1/2	1/2	1/2		1/2	
3/4	2,239.73	3/4	1,851.36	3/4	1,462.98	3/4	1,074.60	3/4	686.84	3/4	298.99	3/4		3/4	3/4	3/4		3/4	
8	2,231.64	8	1,843.27	8	1,454.89	8	1,066.51	8	678.77	8	290.90	8		8	8	8		8	
1/4	2,223.55	1/4	1,835.17	1/4	1,446.80	1/4	1,058.42	1/4	670.70	1/4	282.82	1/4		1/4	1/4	1/4		1/4	
1/2	2,215.46	1/2	1,827.08	1/2	1,438.71	1/2	1,050.33	1/2	662.64	1/2	274.74	1/2		1/2	1/2	1/2		1/2	
3/4	2,207.37	3/4	1,818.99	3/4	1,430.61	3/4	1,042.24	3/4	654.57	3/4	266.66	3/4		3/4	3/4	3/4		3/4	
9	2,199.28	9	1,810.90	9	1,422.52	9	1,034.15	9	646.50	9	258.57	9		9	9	9		9	
1/4	2,191.19	1/4	1,802.81	1/4	1,414.43	1/4	1,026.05	1/4	638.43	1/4	250.49	1/4		1/4	1/4	1/4		1/4	
1/2	2,183.10	1/2	1,794.72	1/2	1,406.34	1/2	1,017.96	1/2	630.35	1/2	242.41	1/2		1/2	1/2	1/2		1/2	
3/4	2,175.00	3/4	1,786.63	3/4	1,398.25	3/4	1,009.87	3/4	622.28	3/4	234.33	3/4		3/4	3/4	3/4		3/4	
10	2,166.91	10	1,778.54	10	1,390.16	10	1,001.78	10	614.20	10	226.24	10		10	10	10		10	
1/4	2,158.82	1/4	1,770.44	1/4	1,382.07	1/4	993.69	1/4	606.12	1/4	218.16	1/4		1/4	1/4	1/4		1/4	
1/2	2,150.73	1/2	1,762.35	1/2	1,373.98	1/2	985.60	1/2	598.04	1/2	210.08	1/2		1/2	1/2	1/2		1/2	
3/4	2,142.64	3/4	1,754.26	3/4	1,365.88	3/4	977.51	3/4	589.96	3/4	202.00	3/4		3/4	3/4	3/4		3/4	
11	2,134.55	11	1,746.17	11	1,357.79	11	969.42	11	581.87	11	193.91	11		11	11	11		11	
1/4	2,126.46	1/4	1,738.08	1/4	1,349.70	1/4	961.32	1/4	573.79	1/4	185.83	1/4		1/4	1/4	1/4		1/4	
1/2	2,118.37	1/2	1,729.99	1/2	1,341.61	1/2	953.23	1/2	565.71	1/2	177.75	1/2		1/2	1/2	1/2		1/2	
3/4	2,110.27	3/4	1,721.90	3/4	1,333.52	3/4	945.14	3/4	557.63	3/4	169.67	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2012 CL - SW
CALCULATED: 05/15/2012 CL
PRINTED: 05/15/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 28146"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							5,084.86		4,747.38		4,392.28		4,020.57		3,634.60		3,246.22		2,857.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,077.93	1/4	4,740.19	1/4	4,384.70	1/4	4,012.66	1/4	3,626.50	1/4	3,238.13	1/4	2,849.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,071.00	1/2	4,733.01	1/2	4,377.11	1/2	4,004.74	1/2	3,618.41	1/2	3,230.04	1/2	2,841.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,064.08	3/4	4,725.83	3/4	4,369.52	3/4	3,996.83	3/4	3,610.32	3/4	3,221.94	3/4	2,833.51		
1	1	1	1	1	1	1	5,057.12	1	4,718.61	1	4,361.91	1	3,988.88	1	3,602.23	1	3,213.85	1	2,825.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,050.17	1/4	4,711.40	1/4	4,354.30	1/4	3,980.93	1/4	3,594.14	1/4	3,205.76	1/4	2,817.32		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,043.21	1/2	4,704.19	1/2	4,346.68	1/2	3,972.98	1/2	3,586.05	1/2	3,197.67	1/2	2,809.23		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,036.26	3/4	4,696.97	3/4	4,339.07	3/4	3,965.03	3/4	3,577.96	3/4	3,189.58	3/4	2,801.13		
2	2	2	2	2	2	2	5,029.28	2	4,689.73	2	4,331.43	2	3,957.06	2	3,569.87	2	3,181.49	2	2,793.04		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,022.29	1/4	4,682.49	1/4	4,323.80	1/4	3,949.09	1/4	3,561.77	1/4	3,173.40	1/4	2,784.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,015.30	1/2	4,675.26	1/2	4,316.16	1/2	3,941.12	1/2	3,553.68	1/2	3,165.31	1/2	2,776.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,008.32	3/4	4,668.02	3/4	4,308.52	3/4	3,933.14	3/4	3,545.59	3/4	3,157.21	3/4	2,768.76		
3	3	3	3	3	3	3	5,001.38	3	4,660.68	3	4,300.85	3	3,925.15	3	3,537.50	3	3,149.12	3	2,760.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,994.44	1/4	4,653.35	1/4	4,293.18	1/4	3,917.15	1/4	3,529.41	1/4	3,141.03	1/4	2,752.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,987.50	1/2	4,646.01	1/2	4,285.51	1/2	3,909.16	1/2	3,521.32	1/2	3,132.94	1/2	2,744.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,980.56	3/4	4,638.67	3/4	4,277.85	3/4	3,901.16	3/4	3,513.23	3/4	3,124.85	3/4	2,736.39		
4	4	4	4	4	4	4	4,973.60	4	4,631.31	4	4,270.15	4	3,893.13	4	3,505.14	4	3,116.76	4	2,728.29		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,966.63	1/4	4,623.94	1/4	4,262.46	1/4	3,885.10	1/4	3,497.04	1/4	3,108.67	1/4	2,720.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,959.67	1/2	4,616.57	1/2	4,254.76	1/2	3,877.07	1/2	3,488.95	1/2	3,100.58	1/2	2,712.10		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,952.70	3/4	4,609.21	3/4	4,247.07	3/4	3,869.04	3/4	3,480.86	3/4	3,092.48	3/4	2,704.01		
5	5	5	5	5	5	5	4,945.71	5	4,601.82	5	4,239.34	5	3,860.98	5	3,472.77	5	3,084.39	5	2,695.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,938.71	1/4	4,594.42	1/4	4,231.61	1/4	3,852.93	1/4	3,464.68	1/4	3,076.30	1/4	2,687.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,931.72	1/2	4,587.03	1/2	4,223.88	1/2	3,844.88	1/2	3,456.59	1/2	3,068.21	1/2	2,679.73		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,924.72	3/4	4,579.64	3/4	4,216.15	3/4	3,836.82	3/4	3,448.50	3/4	3,060.12	3/4	2,671.64		
6	6	6	6	6	6	6	4,917.70	6	4,572.21	6	4,208.40	6	3,828.75	6	3,440.41	6	3,052.03	6	2,663.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,261.05	1/4	4,910.68	1/4	4,564.79	1/4	4,200.65	1/4	3,820.67	1/4	3,432.32	1/4	3,043.94	1/4	2,655.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,254.98	1/2	4,903.66	1/2	4,557.36	1/2	4,192.90	1/2	3,812.59	1/2	3,424.22	1/2	3,035.85	1/2	2,647.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,248.91	3/4	4,896.64	3/4	4,549.93	3/4	4,185.15	3/4	3,804.51	3/4	3,416.13	3/4	3,027.76	3/4	2,639.26
7	7	7	7	7	7	7	5,240.81	7	4,889.58	7	4,542.49	7	4,177.37	7	3,796.42	7	3,408.04	7	3,019.66	7	2,631.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,232.72	1/4	4,882.53	1/4	4,535.04	1/4	4,169.60	1/4	3,788.33	1/4	3,399.95	1/4	3,011.57	1/4	2,623.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,224.63	1/2	4,875.48	1/2	4,527.59	1/2	4,161.82	1/2	3,780.24	1/2	3,391.86	1/2	3,003.47	1/2	2,614.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,216.53	3/4	4,868.42	3/4	4,520.14	3/4	4,154.05	3/4	3,772.15	3/4	3,383.77	3/4	2,995.38	3/4	2,606.89
8	8	8	8	8	8	8	5,208.44	8	4,861.35	8	4,512.67	8	4,146.24	8	3,764.05	8	3,375.68	8	2,987.29	8	2,598.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,200.35	1/4	4,854.27	1/4	4,505.19	1/4	4,138.43	1/4	3,755.96	1/4	3,367.59	1/4	2,979.19	1/4	2,590.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,192.25	1/2	4,847.20	1/2	4,497.72	1/2	4,130.62	1/2	3,747.87	1/2	3,359.49	1/2	2,971.10	1/2	2,582.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,184.16	3/4	4,840.12	3/4	4,490.24	3/4	4,122.81	3/4	3,739.78	3/4	3,351.40	3/4	2,963.01	3/4	2,574.51
9	9	9	9	9	9	9	5,176.06	9	4,833.02	9	4,482.74	9	4,114.98	9	3,731.69	9	3,343.31	9	2,954.91	9	2,566.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,167.97	1/4	4,825.92	1/4	4,475.23	1/4	4,107.14	1/4	3,723.60	1/4	3,335.22	1/4	2,946.82	1/4	2,558.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,159.88	1/2	4,818.82	1/2	4,467.72	1/2	4,099.31	1/2	3,715.51	1/2	3,327.13	1/2	2,938.73	1/2	2,550.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,151.78	3/4	4,811.72	3/4	4,460.22	3/4	4,091.48	3/4	3,707.42	3/4	3,319.04	3/4	2,930.63	3/4	2,542.14
10	10	10	10	10	10	10	5,143.69	10	4,804.59	10	4,452.69	10	4,083.62	10	3,699.32	10	3,310.95	10	2,922.54	10	2,534.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,135.60	1/4	4,797.45	1/4	4,445.16	1/4	4,075.76	1/4	3,691.23	1/4	3,302.86	1/4	2,914.44	1/4	2,525.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,127.50	1/2	4,790.32	1/2	4,437.63	1/2	4,067.90	1/2	3,683.14	1/2	3,294.76	1/2	2,906.35	1/2	2,517.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,119.41	3/4	4,783.19	3/4	4,430.10	3/4	4,060.05	3/4	3,675.05	3/4	3,286.67	3/4	2,898.26	3/4	2,509.76
11	11	11	11	11	11	11	5,112.50	11	4,776.03	11	4,422.54	11	4,052.16	11	3,666.96	11	3,278.58	11	2,890.16	11	2,501.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,105.60	1/4	4,768.87	1/4	4,414.98	1/4	4,044.27	1/4	3,658.87	1/4	3,270.49	1/4	2,882.07	1/4	2,493.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,098.69	1/2	4,761.72	1/2	4,407.43	1/2	4,036.38	1/2	3,650.78	1/2	3,262.40	1/2	2,873.98	1/2	2,485.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,091.79	3/4	4,754.56	3/4	4,399.87	3/4	4,028.49	3/4	3,642.69	3/4	3,254.31	3/4	2,865.88	3/4	2,477.39

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 44'-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 28146"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,469.30	0	2,080.80	0	1,692.31	0	1,303.82	0	916.25	0	542.53	0	154.08	0		0		0	
1/4	2,461.20	1/4	2,072.71	1/4	1,684.22	1/4	1,295.72	1/4	908.46	1/4	534.44	1/4	145.99	1/4		1/4		1/4	
1/2	2,453.11	1/2	2,064.62	1/2	1,676.12	1/2	1,287.63	1/2	900.68	1/2	526.34	1/2	137.89	1/2		1/2		1/2	
3/4	2,445.02	3/4	2,056.52	3/4	1,668.03	3/4	1,279.54	3/4	892.89	3/4	518.25	3/4	129.80	3/4		3/4		3/4	
1	2,436.92	1	2,048.43	1	1,659.94	1	1,271.44	1	885.12	1	510.16	1	121.71	1		1		1	
1/4	2,428.83	1/4	2,040.34	1/4	1,651.84	1/4	1,263.35	1/4	877.35	1/4	502.07	1/4	113.62	1/4		1/4		1/4	
1/2	2,420.74	1/2	2,032.24	1/2	1,643.75	1/2	1,255.26	1/2	869.58	1/2	493.97	1/2	105.52	1/2		1/2		1/2	
3/4	2,412.64	3/4	2,024.15	3/4	1,635.66	3/4	1,247.16	3/4	861.81	3/4	485.88	3/4	97.43	3/4		3/4		3/4	
2	2,404.55	2	2,016.05	2	1,627.56	2	1,239.07	2	854.06	2	477.79	2	89.34	2		2		2	
1/4	2,396.45	1/4	2,007.96	1/4	1,619.47	1/4	1,230.98	1/4	846.30	1/4	469.69	1/4	81.24	1/4		1/4		1/4	
1/2	2,388.36	1/2	1,999.87	1/2	1,611.38	1/2	1,222.88	1/2	838.54	1/2	461.60	1/2	73.15	1/2		1/2		1/2	
3/4	2,380.27	3/4	1,991.77	3/4	1,603.28	3/4	1,214.79	3/4	830.78	3/4	453.51	3/4	65.06	3/4		3/4		3/4	
3	2,372.17	3	1,983.68	3	1,595.19	3	1,206.70	3	823.02	3	445.42	3	57.98	3		3		3	
1/4	2,364.08	1/4	1,975.59	1/4	1,587.09	1/4	1,198.60	1/4	815.26	1/4	437.32	1/4	50.89	1/4		1/4		1/4	
1/2	2,355.99	1/2	1,967.49	1/2	1,579.00	1/2	1,190.51	1/2	807.50	1/2	429.23	1/2	43.81	1/2		1/2		1/2	
3/4	2,347.89	3/4	1,959.40	3/4	1,570.91	3/4	1,182.41	3/4	799.74	3/4	421.14	3/4	36.73	3/4		3/4		3/4	
4	2,339.80	4	1,951.31	4	1,562.81	4	1,174.32	4	791.98	4	413.05	4	31.67	4		4		4	
1/4	2,331.71	1/4	1,943.21	1/4	1,554.72	1/4	1,166.23	1/4	784.22	1/4	404.95	1/4	26.61	1/4		1/4		1/4	
1/2	2,323.61	1/2	1,935.12	1/2	1,546.63	1/2	1,158.13	1/2	776.46	1/2	396.86	1/2	21.55	1/2		1/2		1/2	
3/4	2,315.52	3/4	1,927.03	3/4	1,538.53	3/4	1,150.04	3/4	768.70	3/4	388.77	3/4	16.50	3/4		3/4		3/4	
5	2,307.42	5	1,918.93	5	1,530.44	5	1,141.95	5	760.94	5	380.67	5		5		5		5	
1/4	2,299.33	1/4	1,910.84	1/4	1,522.35	1/4	1,133.85	1/4	753.18	1/4	372.58	1/4		1/4		1/4		1/4	
1/2	2,291.24	1/2	1,902.74	1/2	1,514.25	1/2	1,125.76	1/2	745.43	1/2	364.49	1/2		1/2		1/2		1/2	
3/4	2,283.14	3/4	1,894.65	3/4	1,506.16	3/4	1,117.67	3/4	737.67	3/4	356.40	3/4		3/4		3/4		3/4	
6	2,275.05	6	1,886.56	6	1,498.06	6	1,109.57	6	729.91	6	348.30	6		6		6		6	
1/4	2,266.96	1/4	1,878.46	1/4	1,489.97	1/4	1,101.48	1/4	722.15	1/4	340.21	1/4		1/4		1/4		1/4	
1/2	2,258.86	1/2	1,870.37	1/2	1,481.88	1/2	1,093.38	1/2	714.39	1/2	332.12	1/2		1/2		1/2		1/2	
3/4	2,250.77	3/4	1,862.28	3/4	1,473.78	3/4	1,085.29	3/4	706.63	3/4	324.03	3/4		3/4		3/4		3/4	
7	2,242.68	7	1,854.18	7	1,465.69	7	1,077.20	7	698.87	7	315.93	7		7		7		7	
1/4	2,234.58	1/4	1,846.09	1/4	1,457.60	1/4	1,069.10	1/4	691.11	1/4	307.84	1/4		1/4		1/4		1/4	
1/2	2,226.49	1/2	1,838.00	1/2	1,449.50	1/2	1,061.01	1/2	683.36	1/2	299.75	1/2		1/2		1/2		1/2	
3/4	2,218.40	3/4	1,829.90	3/4	1,441.41	3/4	1,052.92	3/4	675.60	3/4	291.66	3/4		3/4		3/4		3/4	
8	2,210.30	8	1,821.81	8	1,433.32	8	1,044.82	8	667.84	8	283.56	8		8		8		8	
1/4	2,202.21	1/4	1,813.71	1/4	1,425.22	1/4	1,036.73	1/4	660.09	1/4	275.47	1/4		1/4		1/4		1/4	
1/2	2,194.11	1/2	1,805.62	1/2	1,417.13	1/2	1,028.64	1/2	652.33	1/2	267.38	1/2		1/2		1/2		1/2	
3/4	2,186.02	3/4	1,797.53	3/4	1,409.04	3/4	1,020.54	3/4	644.57	3/4	259.28	3/4		3/4		3/4		3/4	
9	2,177.93	9	1,789.43	9	1,400.94	9	1,012.45	9	636.80	9	251.19	9		9		9		9	
1/4	2,169.83	1/4	1,781.34	1/4	1,392.85	1/4	1,004.36	1/4	629.04	1/4	243.10	1/4		1/4		1/4		1/4	
1/2	2,161.74	1/2	1,773.25	1/2	1,384.75	1/2	996.26	1/2	621.27	1/2	235.01	1/2		1/2		1/2		1/2	
3/4	2,153.65	3/4	1,765.15	3/4	1,376.66	3/4	988.17	3/4	613.50	3/4	226.91	3/4		3/4		3/4		3/4	
10	2,145.55	10	1,757.06	10	1,368.57	10	980.07	10	605.72	10	218.82	10		10		10		10	
1/4	2,137.46	1/4	1,748.97	1/4	1,360.47	1/4	971.98	1/4	597.94	1/4	210.73	1/4		1/4		1/4		1/4	
1/2	2,129.37	1/2	1,740.87	1/2	1,352.38	1/2	963.89	1/2	590.16	1/2	202.64	1/2		1/2		1/2		1/2	
3/4	2,121.27	3/4	1,732.78	3/4	1,344.29	3/4	955.79	3/4	582.37	3/4	194.54	3/4		3/4		3/4		3/4	
11	2,113.18	11	1,724.69	11	1,336.19	11	947.85	11	574.44	11	186.45	11		11		11		11	
1/4	2,105.08	1/4	1,716.59	1/4	1,328.10	1/4	939.91	1/4	566.50	1/4	178.36	1/4		1/4		1/4		1/4	
1/2	2,096.99	1/2	1,708.50	1/2	1,320.01	1/2	931.97	1/2	558.56	1/2	170.26	1/2		1/2		1/2		1/2	
3/4	2,088.90	3/4	1,700.40	3/4	1,311.91	3/4	924.03	3/4	550.62	3/4	162.17	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2012 CL - SW
CALCULATED: 05/15/2012 CL
PRINTED: 05/15/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 28146"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,486.06		4,230.53		3,962.19		3,681.41		3,387.52		3,032.26		2,671.97		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,480.83	1/4	4,225.09	1/4	3,956.45	1/4	3,675.43	1/4	3,380.70	1/4	3,024.75	1/4	2,664.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,475.59	1/2	4,219.64	1/2	3,950.71	1/2	3,669.45	1/2	3,373.89	1/2	3,017.25	1/2	2,656.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,470.35	3/4	4,214.19	3/4	3,944.98	3/4	3,663.46	3/4	3,367.08	3/4	3,009.74	3/4	2,649.45		
1	1	1	1	1	1	1	4,465.12	1	4,208.75	1	3,939.24	1	3,657.48	1	3,360.27	1	3,002.23	1	2,641.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,459.86	1/4	4,203.28	1/4	3,933.49	1/4	3,651.47	1/4	3,353.18	1/4	2,994.73	1/4	2,634.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,454.60	1/2	4,197.80	1/2	3,927.73	1/2	3,645.46	1/2	3,346.09	1/2	2,987.22	1/2	2,626.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,449.35	3/4	4,192.33	3/4	3,921.98	3/4	3,639.45	3/4	3,339.00	3/4	2,979.72	3/4	2,619.43		
2	2	2	2	2	2	2	4,444.09	2	4,186.86	2	3,916.22	2	3,633.44	2	3,331.91	2	2,972.21	2	2,611.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,438.81	1/4	4,181.37	1/4	3,910.45	1/4	3,627.41	1/4	3,324.55	1/4	2,964.71	1/4	2,604.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,433.53	1/2	4,175.88	1/2	3,904.67	1/2	3,621.38	1/2	3,317.18	1/2	2,957.20	1/2	2,596.91		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,428.25	3/4	4,170.40	3/4	3,898.90	3/4	3,615.36	3/4	3,309.82	3/4	2,949.70	3/4	2,589.40		
3	3	3	3	3	3	3	4,422.97	3	4,164.91	3	3,893.12	3	3,609.33	3	3,302.45	3	2,942.19	3	2,581.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,417.71	1/4	4,159.36	1/4	3,887.33	1/4	3,603.29	1/4	3,294.95	1/4	2,934.69	1/4	2,574.39		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,412.44	1/2	4,153.81	1/2	3,881.53	1/2	3,597.24	1/2	3,287.44	1/2	2,927.18	1/2	2,566.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,407.18	3/4	4,148.27	3/4	3,875.73	3/4	3,591.19	3/4	3,279.93	3/4	2,919.68	3/4	2,559.37		
4	4	4	4	4	4	4	4,401.92	4	4,142.72	4	3,869.93	4	3,585.15	4	3,272.43	4	2,912.17	4	2,551.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,396.64	1/4	4,137.15	1/4	3,864.12	1/4	3,579.08	1/4	3,264.92	1/4	2,904.66	1/4	2,544.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,391.36	1/2	4,131.58	1/2	3,858.30	1/2	3,573.01	1/2	3,257.42	1/2	2,897.16	1/2	2,536.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,386.08	3/4	4,126.02	3/4	3,852.48	3/4	3,566.93	3/4	3,249.91	3/4	2,889.65	3/4	2,529.35		
5	5	5	5	5	5	5	4,380.79	5	4,120.45	5	3,846.66	5	3,560.86	5	3,242.41	5	2,882.15	5	2,521.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,375.49	1/4	4,114.86	1/4	3,840.82	1/4	3,554.77	1/4	3,234.90	1/4	2,874.64	1/4	2,514.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,370.18	1/2	4,109.27	1/2	3,834.98	1/2	3,548.69	1/2	3,227.40	1/2	2,867.14	1/2	2,506.83		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,364.88	3/4	4,103.68	3/4	3,829.14	3/4	3,542.60	3/4	3,219.89	3/4	2,859.63	3/4	2,499.32		
6	6	6	6	6	6	6	4,359.58	6	4,098.09	6	3,823.29	6	3,536.51	6	3,212.39	6	2,852.13	6	2,491.81		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,354.25	1/4	4,092.48	1/4	3,817.43	1/4	3,530.40	1/4	3,204.88	1/4	2,844.62	1/4	2,484.31		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,614.02	1/2	4,348.93	1/2	4,086.86	1/2	3,811.57	1/2	3,524.30	1/2	3,197.38	1/2	2,837.12	1/2	2,476.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,609.43	3/4	4,343.60	3/4	4,081.25	3/4	3,805.71	3/4	3,518.19	3/4	3,189.87	3/4	2,829.61	3/4	2,469.29
7	7	7	7	7	7	7	4,604.84	7	4,338.28	7	4,075.63	7	3,799.85	7	3,512.08	7	3,182.36	7	2,822.11	7	2,461.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,598.72	1/4	4,332.93	1/4	4,070.00	1/4	3,793.97	1/4	3,505.96	1/4	3,174.86	1/4	2,814.60	1/4	2,454.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,592.60	1/2	4,327.58	1/2	4,064.37	1/2	3,788.10	1/2	3,499.85	1/2	3,167.35	1/2	2,807.09	1/2	2,446.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,586.48	3/4	4,322.23	3/4	4,058.74	3/4	3,782.22	3/4	3,493.73	3/4	3,159.85	3/4	2,799.59	3/4	2,439.27
8	8	8	8	8	8	8	4,580.36	8	4,316.88	8	4,053.11	8	3,776.34	8	3,487.61	8	3,152.34	8	2,792.08	8	2,431.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,574.25	1/4	4,311.52	1/4	4,047.46	1/4	3,770.43	1/4	3,481.49	1/4	3,144.84	1/4	2,784.57	1/4	2,424.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,568.13	1/2	4,306.15	1/2	4,041.81	1/2	3,764.53	1/2	3,475.38	1/2	3,137.33	1/2	2,777.07	1/2	2,416.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,562.01	3/4	4,300.79	3/4	4,036.16	3/4	3,758.63	3/4	3,469.26	3/4	3,129.83	3/4	2,769.56	3/4	2,409.24
9	9	9	9	9	9	9	4,555.89	9	4,295.42	9	4,030.51	9	3,752.72	9	3,463.14	9	3,122.32	9	2,762.05	9	2,401.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,549.77	1/4	4,290.04	1/4	4,024.83	1/4	3,746.80	1/4	3,457.03	1/4	3,114.82	1/4	2,754.55	1/4	2,394.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,543.65	1/2	4,284.65	1/2	4,019.16	1/2	3,740.88	1/2	3,450.91	1/2	3,107.31	1/2	2,747.04	1/2	2,386.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,537.53	3/4	4,279.27	3/4	4,013.48	3/4	3,734.96	3/4	3,444.79	3/4	3,099.80	3/4	2,739.53	3/4	2,379.22
10	10	10	10	10	10	10	4,531.42	10	4,273.88	10	4,007.81	10	3,729.04	10	3,438.67	10	3,092.30	10	2,732.03	10	2,371.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,525.30	1/4	4,268.47	1/4	4,002.11	1/4	3,723.09	1/4	3,432.42	1/4	3,084.79	1/4	2,724.52	1/4	2,364.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,519.18	1/2	4,263.06	1/2	3,996.42	1/2	3,717.15	1/2	3,426.16	1/2	3,077.29	1/2	2,717.01	1/2	2,356.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,513.06	3/4	4,257.65	3/4	3,990.73	3/4	3,711.21	3/4	3,419.91	3/4	3,069.78	3/4	2,709.51	3/4	2,349.19
11	11	11	11	11	11	11	4,506.94	11	4,252.24	11	3,985.04	11	3,705.27	11	3,413.65	11	3,062.28	11	2,702.00	11	2,341.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,501.72	1/4	4,246.82	1/4	3,979.32	1/4	3,699.31	1/4	3,407.12	1/4	3,054.77	1/4	2,694.49	1/4	2,334.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,496.50	1/2	4,241.39	1/2	3,973.61	1/2	3,693.34	1/2	3,400.58	1/2	3,047.27	1/2	2,686.99	1/2	2,326.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,491.28	3/4	4,235.96	3/4	3,967.90	3/4	3,687.38	3/4	3,394.05	3/4	3,039.76	3/4	2,679.48	3/4	2,319.16

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 40'-09" 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 28146"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,311.66	0	1,951.34	0	1,591.02	0	1,230.71	0	871.18	0	510.87	0	150.57	0		0		0	
1/4	2,304.15	1/4	1,943.83	1/4	1,583.52	1/4	1,223.20	1/4	863.67	1/4	503.37	1/4	143.07	1/4		1/4		1/4	
1/2	2,296.64	1/2	1,936.33	1/2	1,576.01	1/2	1,215.69	1/2	856.16	1/2	495.86	1/2	135.56	1/2		1/2		1/2	
3/4	2,289.14	3/4	1,928.82	3/4	1,568.50	3/4	1,208.19	3/4	848.66	3/4	488.35	3/4	128.05	3/4		3/4		3/4	
1	2,281.63	1	1,921.31	1	1,561.00	1	1,200.68	1	841.15	1	480.85	1	120.55	1		1		1	
1/4	2,274.12	1/4	1,913.81	1/4	1,553.49	1/4	1,193.17	1/4	833.64	1/4	473.34	1/4	113.04	1/4		1/4		1/4	
1/2	2,266.62	1/2	1,906.30	1/2	1,545.98	1/2	1,185.67	1/2	826.14	1/2	465.84	1/2	105.53	1/2		1/2		1/2	
3/4	2,259.11	3/4	1,898.79	3/4	1,538.48	3/4	1,178.16	3/4	818.63	3/4	458.33	3/4	98.03	3/4		3/4		3/4	
2	2,251.60	2	1,891.29	2	1,530.97	2	1,170.65	2	811.13	2	450.82	2	90.52	2		2		2	
1/4	2,244.10	1/4	1,883.78	1/4	1,523.46	1/4	1,163.15	1/4	803.62	1/4	443.32	1/4	83.01	1/4		1/4		1/4	
1/2	2,236.59	1/2	1,876.27	1/2	1,515.96	1/2	1,155.64	1/2	796.11	1/2	435.81	1/2	75.51	1/2		1/2		1/2	
3/4	2,229.08	3/4	1,868.77	3/4	1,508.45	3/4	1,148.13	3/4	788.61	3/4	428.30	3/4	68.00	3/4		3/4		3/4	
3	2,221.58	3	1,861.26	3	1,500.94	3	1,140.63	3	781.10	3	420.80	3	60.50	3		3		3	
1/4	2,214.07	1/4	1,853.75	1/4	1,493.44	1/4	1,133.12	1/4	773.59	1/4	413.29	1/4	53.93	1/4		1/4		1/4	
1/2	2,206.56	1/2	1,846.25	1/2	1,485.93	1/2	1,125.61	1/2	766.09	1/2	405.79	1/2	47.36	1/2		1/2		1/2	
3/4	2,199.06	3/4	1,838.74	3/4	1,478.42	3/4	1,118.11	3/4	758.58	3/4	398.28	3/4	40.79	3/4		3/4		3/4	
4	2,191.55	4	1,831.23	4	1,470.92	4	1,110.60	4	751.08	4	390.77	4	34.22	4		4		4	
1/4	2,184.04	1/4	1,823.73	1/4	1,463.41	1/4	1,103.12	1/4	743.57	1/4	383.27	1/4	29.53	1/4		1/4		1/4	
1/2	2,176.54	1/2	1,816.22	1/2	1,455.90	1/2	1,095.64	1/2	736.06	1/2	375.76	1/2	24.84	1/2		1/2		1/2	
3/4	2,169.03	3/4	1,808.71	3/4	1,448.40	3/4	1,088.15	3/4	728.56	3/4	368.25	3/4	20.15	3/4		3/4		3/4	
5	2,161.52	5	1,801.21	5	1,440.89	5	1,080.67	5	721.05	5	360.75	5	15.46	5		5		5	
1/4	2,154.02	1/4	1,793.70	1/4	1,433.38	1/4	1,073.19	1/4	713.54	1/4	353.24	1/4		1/4		1/4		1/4	
1/2	2,146.51	1/2	1,786.19	1/2	1,425.88	1/2	1,065.71	1/2	706.04	1/2	345.74	1/2		1/2		1/2		1/2	
3/4	2,139.00	3/4	1,778.69	3/4	1,418.37	3/4	1,058.23	3/4	698.53	3/4	338.23	3/4		3/4		3/4		3/4	
6	2,131.50	6	1,771.18	6	1,410.86	6	1,050.74	6	691.03	6	330.72	6		6		6		6	
1/4	2,123.99	1/4	1,763.67	1/4	1,403.36	1/4	1,043.26	1/4	683.52	1/4	323.22	1/4		1/4		1/4		1/4	
1/2	2,116.48	1/2	1,756.17	1/2	1,395.85	1/2	1,035.78	1/2	676.01	1/2	315.71	1/2		1/2		1/2		1/2	
3/4	2,108.98	3/4	1,748.66	3/4	1,388.34	3/4	1,028.30	3/4	668.51	3/4	308.20	3/4		3/4		3/4		3/4	
7	2,101.47	7	1,741.15	7	1,380.84	7	1,020.82	7	661.00	7	300.70	7		7		7		7	
1/4	2,093.96	1/4	1,733.65	1/4	1,373.33	1/4	1,013.33	1/4	653.49	1/4	293.19	1/4		1/4		1/4		1/4	
1/2	2,086.46	1/2	1,726.14	1/2	1,365.82	1/2	1,005.85	1/2	645.99	1/2	285.68	1/2		1/2		1/2		1/2	
3/4	2,078.95	3/4	1,718.63	3/4	1,358.32	3/4	998.37	3/4	638.48	3/4	278.18	3/4		3/4		3/4		3/4	
8	2,071.45	8	1,711.13	8	1,350.81	8	990.89	8	630.97	8	270.67	8		8		8		8	
1/4	2,063.94	1/4	1,703.62	1/4	1,343.30	1/4	983.41	1/4	623.47	1/4	263.17	1/4		1/4		1/4		1/4	
1/2	2,056.43	1/2	1,696.12	1/2	1,335.80	1/2	975.92	1/2	615.96	1/2	255.66	1/2		1/2		1/2		1/2	
3/4	2,048.93	3/4	1,688.61	3/4	1,328.29	3/4	968.44	3/4	608.46	3/4	248.15	3/4		3/4		3/4		3/4	
9	2,041.42	9	1,681.10	9	1,320.79	9	960.96	9	600.95	9	240.65	9		9		9		9	
1/4	2,033.91	1/4	1,673.60	1/4	1,313.28	1/4	953.48	1/4	593.44	1/4	233.14	1/4		1/4		1/4		1/4	
1/2	2,026.41	1/2	1,666.09	1/2	1,305.77	1/2	946.00	1/2	585.94	1/2	225.63	1/2		1/2		1/2		1/2	
3/4	2,018.90	3/4	1,658.58	3/4	1,298.27	3/4	938.51	3/4	578.43	3/4	218.13	3/4		3/4		3/4		3/4	
10	2,011.39	10	1,651.08	10	1,290.76	10	931.03	10	570.92	10	210.62	10		10		10		10	
1/4	2,003.89	1/4	1,643.57	1/4	1,283.25	1/4	923.55	1/4	563.42	1/4	203.12	1/4		1/4		1/4		1/4	
1/2	1,996.38	1/2	1,636.06	1/2	1,275.75	1/2	916.07	1/2	555.91	1/2	195.61	1/2		1/2		1/2		1/2	
3/4	1,988.87	3/4	1,628.56	3/4	1,268.24	3/4	908.59	3/4	548.41	3/4	188.10	3/4		3/4		3/4		3/4	
11	1,981.37	11	1,621.05	11	1,260.73	11	901.10	11	540.90	11	180.60	11		11		11		11	
1/4	1,973.86	1/4	1,613.54	1/4	1,253.23	1/4	893.62	1/4	533.39	1/4	173.09	1/4		1/4		1/4		1/4	
1/2	1,966.35	1/2	1,606.04	1/2	1,245.72	1/2	886.14	1/2	525.89	1/2	165.58	1/2		1/2		1/2		1/2	
3/4	1,958.85	3/4	1,598.53	3/4	1,238.21	3/4	878.66	3/4	518.38	3/4	158.08	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2012 CL - SW
CALCULATED: 05/15/2012 CL
PRINTED: 05/15/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

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



BARGE "KIRBY 28146"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,464.77	0	4,209.17	0	3,940.74	0	3,659.88	0	3,365.90	0	3,011.05	0	2,651.34
1/4		1/4		1/4		1/4	4,459.53	1/4	4,203.72	1/4	3,935.00	1/4	3,653.90	1/4	3,359.09	1/4	3,003.56	1/4	2,643.84
1/2		1/2		1/2		1/2	4,454.29	1/2	4,198.27	1/2	3,929.26	1/2	3,647.91	1/2	3,352.27	1/2	2,996.06	1/2	2,636.35
3/4		3/4		3/4		3/4	4,449.06	3/4	4,192.82	3/4	3,923.53	3/4	3,641.93	3/4	3,345.46	3/4	2,988.57	3/4	2,628.85
1		1		1		1	4,443.82	1	4,187.37	1	3,917.79	1	3,635.94	1	3,338.65	1	2,981.08	1	2,621.36
1/4		1/4		1/4		1/4	4,438.56	1/4	4,181.90	1/4	3,912.03	1/4	3,629.93	1/4	3,331.56	1/4	2,973.58	1/4	2,613.86
1/2		1/2		1/2		1/2	4,433.30	1/2	4,176.43	1/2	3,906.27	1/2	3,623.92	1/2	3,324.46	1/2	2,966.09	1/2	2,606.37
3/4		3/4		3/4		3/4	4,428.04	3/4	4,170.96	3/4	3,900.52	3/4	3,617.91	3/4	3,317.37	3/4	2,958.60	3/4	2,598.88
2		2		2		2	4,422.78	2	4,165.48	2	3,894.76	2	3,611.89	2	3,310.28	2	2,951.10	2	2,591.38
1/4		1/4		1/4		1/4	4,417.50	1/4	4,159.99	1/4	3,888.98	1/4	3,605.86	1/4	3,302.92	1/4	2,943.61	1/4	2,583.89
1/2		1/2		1/2		1/2	4,412.22	1/2	4,154.50	1/2	3,883.21	1/2	3,599.84	1/2	3,295.55	1/2	2,936.12	1/2	2,576.39
3/4		3/4		3/4		3/4	4,406.94	3/4	4,149.01	3/4	3,877.43	3/4	3,593.81	3/4	3,288.18	3/4	2,928.62	3/4	2,568.90
3		3		3		3	4,401.66	3	4,143.52	3	3,871.66	3	3,587.78	3	3,280.82	3	2,921.13	3	2,561.40
1/4		1/4		1/4		1/4	4,396.39	1/4	4,137.97	1/4	3,865.86	1/4	3,581.73	1/4	3,273.32	1/4	2,913.63	1/4	2,553.91
1/2		1/2		1/2		1/2	4,391.13	1/2	4,132.42	1/2	3,860.06	1/2	3,575.69	1/2	3,265.83	1/2	2,906.14	1/2	2,546.41
3/4		3/4		3/4		3/4	4,385.87	3/4	4,126.88	3/4	3,854.26	3/4	3,569.64	3/4	3,258.34	3/4	2,898.65	3/4	2,538.92
4		4		4		4	4,380.60	4	4,121.33	4	3,848.46	4	3,563.59	4	3,250.84	4	2,891.15	4	2,531.42
1/4		1/4		1/4		1/4	4,375.32	1/4	4,115.76	1/4	3,842.64	1/4	3,557.52	1/4	3,243.35	1/4	2,883.66	1/4	2,523.93
1/2		1/2		1/2		1/2	4,370.04	1/2	4,110.19	1/2	3,836.82	1/2	3,551.44	1/2	3,235.86	1/2	2,876.17	1/2	2,516.43
3/4		3/4		3/4		3/4	4,364.75	3/4	4,104.62	3/4	3,831.00	3/4	3,545.37	3/4	3,228.36	3/4	2,868.67	3/4	2,508.94
5		5		5		5	4,359.47	5	4,099.05	5	3,825.18	5	3,539.30	5	3,220.87	5	2,861.18	5	2,501.44
1/4		1/4		1/4		1/4	4,354.16	1/4	4,093.46	1/4	3,819.34	1/4	3,533.21	1/4	3,213.37	1/4	2,853.69	1/4	2,493.95
1/2		1/2		1/2		1/2	4,348.86	1/2	4,087.87	1/2	3,813.49	1/2	3,527.12	1/2	3,205.88	1/2	2,846.19	1/2	2,486.45
3/4		3/4		3/4		3/4	4,343.55	3/4	4,082.28	3/4	3,807.65	3/4	3,521.03	3/4	3,198.39	3/4	2,838.70	3/4	2,478.96
6		6		6		6	4,338.25	6	4,076.69	6	3,801.80	6	3,514.94	6	3,190.89	6	2,831.21	6	2,471.47
1/4		1/4		1/4		1/4	4,332.92	1/4	4,071.07	1/4	3,795.94	1/4	3,508.83	1/4	3,183.40	1/4	2,823.71	1/4	2,463.97
1/2		1/2		1/2	4,592.76	1/2	4,327.59	1/2	4,065.45	1/2	3,790.08	1/2	3,502.72	1/2	3,175.91	1/2	2,816.22	1/2	2,456.48
3/4		3/4		3/4	4,588.17	3/4	4,322.27	3/4	4,059.84	3/4	3,784.22	3/4	3,496.61	3/4	3,168.41	3/4	2,808.73	3/4	2,448.99
7		7		7	4,583.58	7	4,316.94	7	4,054.22	7	3,778.36	7	3,490.50	7	3,160.92	7	2,801.23	7	2,441.50
1/4		1/4		1/4	4,577.46	1/4	4,311.59	1/4	4,048.59	1/4	3,772.48	1/4	3,484.38	1/4	3,153.43	1/4	2,793.74	1/4	2,434.01
1/2		1/2		1/2	4,571.34	1/2	4,306.24	1/2	4,042.96	1/2	3,766.60	1/2	3,478.26	1/2	3,145.93	1/2	2,786.24	1/2	2,426.52
3/4		3/4		3/4	4,565.22	3/4	4,300.89	3/4	4,037.32	3/4	3,760.72	3/4	3,472.14	3/4	3,138.44	3/4	2,778.75	3/4	2,419.03
8		8		8	4,559.10	8	4,295.54	8	4,031.69	8	3,754.84	8	3,466.02	8	3,130.95	8	2,771.25	8	2,411.54
1/4		1/4		1/4	4,552.98	1/4	4,290.17	1/4	4,026.04	1/4	3,748.93	1/4	3,459.91	1/4	3,123.45	1/4	2,763.76	1/4	2,404.05
1/2		1/2		1/2	4,546.86	1/2	4,284.81	1/2	4,020.39	1/2	3,743.03	1/2	3,453.79	1/2	3,115.96	1/2	2,756.26	1/2	2,396.55
3/4		3/4		3/4	4,540.74	3/4	4,279.44	3/4	4,014.73	3/4	3,737.12	3/4	3,447.67	3/4	3,108.47	3/4	2,748.77	3/4	2,389.06
9		9		9	4,534.62	9	4,274.07	9	4,009.08	9	3,731.21	9	3,441.55	9	3,100.97	9	2,741.27	9	2,381.57
1/4		1/4		1/4	4,528.50	1/4	4,268.69	1/4	4,003.40	1/4	3,725.29	1/4	3,435.43	1/4	3,093.48	1/4	2,733.78	1/4	2,374.08
1/2		1/2		1/2	4,522.38	1/2	4,263.30	1/2	3,997.73	1/2	3,719.37	1/2	3,429.31	1/2	3,085.99	1/2	2,726.29	1/2	2,366.59
3/4		3/4		3/4	4,516.26	3/4	4,257.91	3/4	3,992.05	3/4	3,713.44	3/4	3,423.19	3/4	3,078.49	3/4	2,718.79	3/4	2,359.10
10		10		10	4,510.14	10	4,252.53	10	3,986.37	10	3,707.52	10	3,417.07	10	3,071.00	10	2,711.30	10	2,351.61
1/4		1/4		1/4	4,504.02	1/4	4,247.12	1/4	3,980.68	1/4	3,701.58	1/4	3,410.82	1/4	3,063.50	1/4	2,703.80	1/4	2,344.12
1/2		1/2		1/2	4,497.90	1/2	4,241.70	1/2	3,974.98	1/2	3,695.63	1/2	3,404.56	1/2	3,056.01	1/2	2,696.31	1/2	2,336.63
3/4		3/4		3/4	4,491.78	3/4	4,236.29	3/4	3,969.29	3/4	3,689.69	3/4	3,398.30	3/4	3,048.52	3/4	2,688.81	3/4	2,329.13
11		11		11	4,485.66	11	4,230.88	11	3,963.60	11	3,683.75	11	3,392.04	11	3,041.02	11	2,681.32	11	2,321.64
1/4		1/4		1/4	4,480.44	1/4	4,225.45	1/4	3,957.88	1/4	3,677.78	1/4	3,385.51	1/4	3,033.53	1/4	2,673.82	1/4	2,314.15
1/2		1/2		1/2	4,475.21	1/2	4,220.02	1/2	3,952.17	1/2	3,671.82	1/2	3,378.97	1/2	3,026.04	1/2	2,666.33	1/2	2,306.66
3/4		3/4		3/4	4,469.99	3/4	4,214.59	3/4	3,946.45	3/4	3,665.85	3/4	3,372.44	3/4	3,018.54	3/4	2,658.83	3/4	2,299.17

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 40'-09" 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 28146"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,291.68	0	1,933.20	0	1,575.26	0	1,215.47	0	862.44	0	510.26	0	150.61	0		0		0	
1/4	2,284.18	1/4	1,925.77	1/4	1,567.76	1/4	1,208.11	1/4	855.08	1/4	502.84	1/4	143.10	1/4	1/4	1/4		1/4	1/4
1/2	2,276.69	1/2	1,918.34	1/2	1,560.26	1/2	1,200.75	1/2	847.72	1/2	495.41	1/2	135.59	1/2	1/2	1/2		1/2	1/2
3/4	2,269.19	3/4	1,910.91	3/4	1,552.77	3/4	1,193.39	3/4	840.36	3/4	487.98	3/4	128.08	3/4	3/4	3/4		3/4	3/4
1	2,261.70	1	1,903.48	1	1,545.27	1	1,186.03	1	833.00	1	480.55	1	120.57	1	1	1		1	1
1/4	2,254.20	1/4	1,896.05	1/4	1,537.78	1/4	1,178.67	1/4	825.65	1/4	473.06	1/4	113.07	1/4	1/4	1/4		1/4	1/4
1/2	2,246.71	1/2	1,888.62	1/2	1,530.28	1/2	1,171.31	1/2	818.29	1/2	465.56	1/2	105.56	1/2	1/2	1/2		1/2	1/2
3/4	2,239.21	3/4	1,881.20	3/4	1,522.79	3/4	1,163.95	3/4	810.93	3/4	458.06	3/4	98.05	3/4	3/4	3/4		3/4	3/4
2	2,231.71	2	1,873.77	2	1,515.29	2	1,156.59	2	803.58	2	450.57	2	90.54	2	2	2		2	2
1/4	2,224.22	1/4	1,866.34	1/4	1,507.79	1/4	1,149.23	1/4	796.24	1/4	443.07	1/4	83.03	1/4	1/4	1/4		1/4	1/4
1/2	2,216.72	1/2	1,858.91	1/2	1,500.30	1/2	1,141.87	1/2	788.90	1/2	435.57	1/2	75.52	1/2	1/2	1/2		1/2	1/2
3/4	2,209.23	3/4	1,851.48	3/4	1,492.80	3/4	1,134.51	3/4	781.56	3/4	428.08	3/4	68.02	3/4	3/4	3/4		3/4	3/4
3	2,201.73	3	1,844.05	3	1,485.31	3	1,127.15	3	774.22	3	420.58	3	60.51	3	3	3		3	3
1/4	2,194.24	1/4	1,836.62	1/4	1,477.81	1/4	1,119.80	1/4	766.90	1/4	413.08	1/4	53.94	1/4	1/4	1/4		1/4	1/4
1/2	2,186.74	1/2	1,829.19	1/2	1,470.32	1/2	1,112.44	1/2	759.57	1/2	405.59	1/2	47.37	1/2	1/2	1/2		1/2	1/2
3/4	2,179.25	3/4	1,821.76	3/4	1,462.82	3/4	1,105.08	3/4	752.24	3/4	398.09	3/4	40.80	3/4	3/4	3/4		3/4	3/4
4	2,171.75	4	1,814.33	4	1,455.33	4	1,097.72	4	744.92	4	390.59	4	34.23	4	4	4		4	4
1/4	2,164.25	1/4	1,806.90	1/4	1,447.83	1/4	1,090.37	1/4	737.59	1/4	383.10	1/4	29.53	1/4	1/4	1/4		1/4	1/4
1/2	2,156.76	1/2	1,799.47	1/2	1,440.33	1/2	1,083.01	1/2	730.26	1/2	375.60	1/2	24.84	1/2	1/2	1/2		1/2	1/2
3/4	2,149.26	3/4	1,792.04	3/4	1,432.84	3/4	1,075.66	3/4	722.94	3/4	368.10	3/4	20.15	3/4	3/4	3/4		3/4	3/4
5	2,141.77	5	1,784.61	5	1,425.34	5	1,068.31	5	715.61	5	360.61	5	15.46	5	5	5		5	5
1/4	2,134.27	1/4	1,777.18	1/4	1,417.85	1/4	1,060.96	1/4	708.28	1/4	353.11	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,126.78	1/2	1,769.75	1/2	1,410.35	1/2	1,053.60	1/2	700.96	1/2	345.61	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,119.28	3/4	1,762.32	3/4	1,402.86	3/4	1,046.25	3/4	693.63	3/4	338.12	3/4		3/4	3/4	3/4		3/4	3/4
6	2,111.78	6	1,754.89	6	1,395.36	6	1,038.90	6	686.30	6	330.62	6		6	6	6		6	6
1/4	2,104.29	1/4	1,747.46	1/4	1,387.87	1/4	1,031.55	1/4	678.97	1/4	323.12	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,096.79	1/2	1,740.03	1/2	1,380.37	1/2	1,024.19	1/2	671.64	1/2	315.63	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,089.30	3/4	1,732.60	3/4	1,372.87	3/4	1,016.84	3/4	664.32	3/4	308.13	3/4		3/4	3/4	3/4		3/4	3/4
7	2,081.80	7	1,725.17	7	1,365.38	7	1,009.49	7	656.99	7	300.63	7		7	7	7		7	7
1/4	2,074.37	1/4	1,717.67	1/4	1,357.88	1/4	1,002.14	1/4	649.66	1/4	293.14	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,066.94	1/2	1,710.18	1/2	1,350.39	1/2	994.78	1/2	642.33	1/2	285.64	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,059.51	3/4	1,702.68	3/4	1,342.89	3/4	987.43	3/4	635.01	3/4	278.14	3/4		3/4	3/4	3/4		3/4	3/4
8	2,052.08	8	1,695.18	8	1,335.40	8	980.08	8	627.68	8	270.65	8		8	8	8		8	8
1/4	2,044.65	1/4	1,687.69	1/4	1,327.90	1/4	972.73	1/4	620.35	1/4	263.15	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,037.22	1/2	1,680.19	1/2	1,320.40	1/2	965.37	1/2	613.02	1/2	255.65	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,029.79	3/4	1,672.70	3/4	1,312.91	3/4	958.02	3/4	605.69	3/4	248.16	3/4		3/4	3/4	3/4		3/4	3/4
9	2,022.36	9	1,665.20	9	1,305.41	9	950.67	9	598.37	9	240.66	9		9	9	9		9	9
1/4	2,014.93	1/4	1,657.71	1/4	1,297.92	1/4	943.32	1/4	591.04	1/4	233.16	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,007.50	1/2	1,650.21	1/2	1,290.42	1/2	935.96	1/2	583.71	1/2	225.67	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,000.07	3/4	1,642.72	3/4	1,282.93	3/4	928.61	3/4	576.38	3/4	218.17	3/4		3/4	3/4	3/4		3/4	3/4
10	1,992.64	10	1,635.22	10	1,275.43	10	921.26	10	569.06	10	210.67	10		10	10	10		10	10
1/4	1,985.21	1/4	1,627.72	1/4	1,267.94	1/4	913.91	1/4	561.71	1/4	203.17	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,977.78	1/2	1,620.23	1/2	1,260.44	1/2	906.55	1/2	554.37	1/2	195.66	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,970.35	3/4	1,612.73	3/4	1,252.94	3/4	899.20	3/4	547.03	3/4	188.15	3/4		3/4	3/4	3/4		3/4	3/4
11	1,962.92	11	1,605.24	11	1,245.45	11	891.85	11	539.69	11	180.64	11		11	11	11		11	11
1/4	1,955.49	1/4	1,597.74	1/4	1,237.95	1/4	884.50	1/4	532.34	1/4	173.13	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,948.06	1/2	1,590.25	1/2	1,230.46	1/2	877.14	1/2	524.98	1/2	165.62	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,940.63	3/4	1,582.75	3/4	1,222.96	3/4	869.79	3/4	517.62	3/4	158.12	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/15/2012 CL - SW
CALCULATED: 05/15/2012 CL
PRINTED: 05/15/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2012

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