



BARGE "KIRBY 28171"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 243'-00"

May 4, 2011

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

<http://www.pmacorp.net>



BARGE "KIRBY 28171"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U S GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,532.00	0	4,200.43	0	3,844.88	0	3,478.49	0	3,112.09	0	2,745.68
1/4		1/4		1/4		1/4		1/4	4,525.34	1/4	4,193.26	1/4	3,837.27	1/4	3,470.86	1/4	3,104.45	1/4	2,738.04
1/2		1/2		1/2		1/2		1/2	4,518.65	1/2	4,186.04	1/2	3,829.64	1/2	3,463.23	1/2	3,096.82	1/2	2,730.41
3/4		3/4		3/4		3/4		3/4	4,837.47	3/4	4,511.96	3/4	4,178.82	3/4	3,822.00	3/4	3,455.59	3/4	3,089.18
1		1		1		1		1	4,831.83	1	4,505.27	1	4,171.60	1	3,814.37	1	3,447.96	1	3,081.55
1/4		1/4		1/4		1/4		1/4	4,826.19	1/4	4,498.58	1/4	4,164.39	1/4	3,806.73	1/4	3,440.33	1/4	3,073.92
1/2		1/2		1/2		1/2		1/2	4,819.36	1/2	4,491.86	1/2	4,157.13	1/2	3,799.10	1/2	3,432.69	1/2	3,066.28
3/4		3/4		3/4		3/4		3/4	4,812.53	3/4	4,485.13	3/4	4,149.88	3/4	3,791.47	3/4	3,425.06	3/4	3,058.65
2		2		2		2		2	4,805.69	2	4,478.41	2	4,142.62	2	3,783.83	2	3,417.43	2	3,051.02
1/4		1/4		1/4		1/4		1/4	4,798.86	1/4	4,471.68	1/4	4,135.37	1/4	3,776.20	1/4	3,409.79	1/4	3,043.38
1/2		1/2		1/2		1/2		1/2	4,791.39	1/2	4,464.93	1/2	4,128.08	1/2	3,768.57	1/2	3,402.16	1/2	3,035.75
3/4		3/4		3/4		3/4		3/4	4,783.92	3/4	4,458.17	3/4	4,120.78	3/4	3,760.93	3/4	3,394.52	3/4	3,028.12
3		3		3		3		3	4,776.45	3	4,451.41	3	4,113.49	3	3,753.30	3	3,386.89	3	3,020.48
1/4		1/4		1/4		1/4		1/4	4,768.98	1/4	4,444.65	1/4	4,106.20	1/4	3,745.67	1/4	3,379.26	1/4	3,012.85
1/2		1/2		1/2		1/2		1/2	4,761.44	1/2	4,437.85	1/2	4,098.87	1/2	3,738.03	1/2	3,371.62	1/2	3,005.22
3/4		3/4		3/4		3/4		3/4	4,753.89	3/4	4,431.06	3/4	4,091.55	3/4	3,730.40	3/4	3,363.99	3/4	2,997.58
4		4		4		4		4	4,746.34	4	4,424.26	4	4,084.22	4	3,722.77	4	3,356.36	4	2,989.95
1/4		1/4		1/4		1/4		1/4	4,738.79	1/4	4,417.47	1/4	4,076.89	1/4	3,715.13	1/4	3,348.72	1/4	2,982.32
1/2		1/2		1/2		1/2		1/2	4,731.52	1/2	4,410.63	1/2	4,069.53	1/2	3,707.50	1/2	3,341.09	1/2	2,974.68
3/4		3/4		3/4		3/4		3/4	4,724.25	3/4	4,403.80	3/4	4,062.17	3/4	3,699.86	3/4	3,333.46	3/4	2,967.05
5		5		5		5		5	4,716.98	5	4,396.97	5	4,054.81	5	3,692.23	5	3,325.82	5	2,959.42
1/4		1/4		1/4		1/4		1/4	4,709.71	1/4	4,390.13	1/4	4,047.45	1/4	3,684.60	1/4	3,318.19	1/4	2,951.78
1/2		1/2		1/2		1/2		1/2	4,702.99	1/2	4,383.26	1/2	4,040.06	1/2	3,676.96	1/2	3,310.56	1/2	2,944.15
3/4		3/4		3/4		3/4		3/4	4,696.27	3/4	4,376.39	3/4	4,032.66	3/4	3,669.33	3/4	3,302.92	3/4	2,936.51
6		6		6		6		6	4,689.55	6	4,369.52	6	4,025.27	6	3,661.70	6	3,295.29	6	2,928.88
1/4		1/4		1/4		1/4		1/4	4,682.83	1/4	4,362.65	1/4	4,017.87	1/4	3,654.06	1/4	3,287.66	1/4	2,921.25
1/2		1/2		1/2		1/2		1/2	4,676.36	1/2	4,355.74	1/2	4,010.44	1/2	3,646.43	1/2	3,280.02	1/2	2,913.61
3/4		3/4		3/4		3/4		3/4	4,669.89	3/4	4,348.83	3/4	4,003.01	3/4	3,638.80	3/4	3,272.39	3/4	2,905.98
7		7		7		7		7	4,663.43	7	4,341.92	7	3,995.57	7	3,631.16	7	3,264.76	7	2,898.35
1/4		1/4		1/4		1/4		1/4	4,656.96	1/4	4,335.02	1/4	3,988.14	1/4	3,623.53	1/4	3,257.12	1/4	2,890.71
1/2		1/2		1/2		1/2		1/2	4,650.45	1/2	4,328.05	1/2	3,980.67	1/2	3,615.90	1/2	3,249.49	1/2	2,883.08
3/4		3/4		3/4		3/4		3/4	4,643.95	3/4	4,321.08	3/4	3,973.20	3/4	3,608.26	3/4	3,241.85	3/4	2,875.45
8		8		8		8		8	4,637.44	8	4,314.12	8	3,965.73	8	3,600.63	8	3,234.22	8	2,867.81
1/4		1/4		1/4		1/4		1/4	4,630.93	1/4	4,307.15	1/4	3,958.26	1/4	3,593.00	1/4	3,226.59	1/4	2,860.18
1/2		1/2		1/2		1/2		1/2	4,624.39	1/2	4,300.10	1/2	3,950.75	1/2	3,585.36	1/2	3,218.95	1/2	2,852.55
3/4		3/4		3/4		3/4		3/4	4,617.85	3/4	4,293.06	3/4	3,943.25	3/4	3,577.73	3/4	3,211.32	3/4	2,844.91
9		9		9		9		9	4,611.30	9	4,286.01	9	3,935.74	9	3,570.10	9	3,203.69	9	2,837.28
1/4		1/4		1/4		1/4		1/4	4,604.76	1/4	4,278.96	1/4	3,928.23	1/4	3,562.46	1/4	3,196.05	1/4	2,829.65
1/2		1/2		1/2		1/2		1/2	4,598.18	1/2	4,271.86	1/2	3,920.69	1/2	3,554.83	1/2	3,188.42	1/2	2,822.01
3/4		3/4		3/4		3/4		3/4	4,591.60	3/4	4,264.75	3/4	3,913.14	3/4	3,547.19	3/4	3,180.79	3/4	2,814.38
10		10		10		10		10	4,585.02	10	4,257.65	10	3,905.60	10	3,539.56	10	3,173.15	10	2,806.75
1/4		1/4		1/4		1/4		1/4	4,578.44	1/4	4,250.54	1/4	3,898.05	1/4	3,531.93	1/4	3,165.52	1/4	2,799.11
1/2		1/2		1/2		1/2		1/2	4,571.82	1/2	4,243.40	1/2	3,890.47	1/2	3,524.29	1/2	3,157.89	1/2	2,791.48
3/4		3/4		3/4		3/4		3/4	4,565.20	3/4	4,236.26	3/4	3,882.89	3/4	3,516.66	3/4	3,150.25	3/4	2,783.84
11		11		11		11		11	4,558.58	11	4,229.12	11	3,875.31	11	3,509.03	11	3,142.62	11	2,776.21
1/4		1/4		1/4		1/4		1/4	4,551.96	1/4	4,221.97	1/4	3,867.73	1/4	3,501.39	1/4	3,134.99	1/4	2,768.58
1/2		1/2		1/2		1/2		1/2	4,545.31	1/2	4,214.79	1/2	3,860.11	1/2	3,493.76	1/2	3,127.35	1/2	2,760.94
3/4		3/4		3/4		3/4		3/4	4,538.65	3/4	4,207.61	3/4	3,852.50	3/4	3,486.13	3/4	3,119.72	3/4	2,753.31

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.

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BARGE "KIRBY 28171"

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U. S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,379.27	0	2,012.86	0	1,646.44	0	1,280.66	0	916.24	0	550.31	0	201.76	0	0	0	0	0	0
1/4	2,371.64	1/4	2,005.23	1/4	1,638.81	1/4	1,273.04	1/4	908.67	1/4	542.67	1/4	194.97	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,364.00	1/2	1,997.60	1/2	1,631.17	1/2	1,265.40	1/2	901.09	1/2	535.04	1/2	188.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,356.37	3/4	1,989.96	3/4	1,623.54	3/4	1,257.77	3/4	893.51	3/4	527.40	3/4	181.57	3/4	3/4	3/4	3/4	3/4	3/4
1	2,348.74	1	1,982.33	1	1,615.91	1	1,250.13	1	885.93	1	519.77	1	174.87	1	1	1	1	1	1
1/4	2,341.10	1/4	1,974.70	1/4	1,608.27	1/4	1,242.50	1/4	878.35	1/4	512.13	1/4	168.17	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,333.47	1/2	1,967.07	1/2	1,600.64	1/2	1,234.86	1/2	870.76	1/2	504.52	1/2	161.55	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,325.83	3/4	1,959.43	3/4	1,593.00	3/4	1,227.23	3/4	863.17	3/4	496.91	3/4	154.94	3/4	3/4	3/4	3/4	3/4	3/4
2	2,318.20	2	1,951.80	2	1,585.37	2	1,219.60	2	855.58	2	489.29	2	148.33	2	2	2	2	2	2
1/4	2,310.57	1/4	1,944.16	1/4	1,577.74	1/4	1,211.96	1/4	847.98	1/4	481.68	1/4	141.71	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,302.93	1/2	1,936.53	1/2	1,570.10	1/2	1,204.34	1/2	840.37	1/2	474.13	1/2	135.19	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,295.30	3/4	1,928.90	3/4	1,562.47	3/4	1,196.72	3/4	832.75	3/4	466.58	3/4	128.67	3/4	3/4	3/4	3/4	3/4	3/4
3	2,287.67	3	1,921.26	3	1,554.83	3	1,189.10	3	825.13	3	459.03	3	122.15	3	3	3	3	3	3
1/4	2,280.03	1/4	1,913.63	1/4	1,547.20	1/4	1,181.48	1/4	817.51	1/4	451.48	1/4	115.63	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,272.40	1/2	1,905.99	1/2	1,539.57	1/2	1,173.89	1/2	809.87	1/2	444.02	1/2	109.20	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,264.77	3/4	1,898.36	3/4	1,531.93	3/4	1,166.30	3/4	802.24	3/4	436.55	3/4	102.78	3/4	3/4	3/4	3/4	3/4	3/4
4	2,257.13	4	1,890.73	4	1,524.30	4	1,158.70	4	794.61	4	429.09	4	96.36	4	4	4	4	4	4
1/4	2,249.50	1/4	1,883.09	1/4	1,516.67	1/4	1,151.11	1/4	786.97	1/4	421.62	1/4	89.93	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,241.87	1/2	1,875.46	1/2	1,509.03	1/2	1,143.53	1/2	779.34	1/2	414.24	1/2	83.61	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,234.23	3/4	1,867.82	3/4	1,501.40	3/4	1,135.95	3/4	771.70	3/4	406.86	3/4	77.29	3/4	3/4	3/4	3/4	3/4	3/4
5	2,226.60	5	1,860.19	5	1,493.76	5	1,128.38	5	764.07	5	399.48	5	70.97	5	5	5	5	5	5
1/4	2,218.97	1/4	1,852.56	1/4	1,486.13	1/4	1,120.80	1/4	756.43	1/4	392.10	1/4	64.65	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,211.33	1/2	1,844.92	1/2	1,478.51	1/2	1,113.22	1/2	748.80	1/2	384.81	1/2	58.45	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,203.70	3/4	1,837.29	3/4	1,470.89	3/4	1,105.65	3/4	741.17	3/4	377.51	3/4	52.25	3/4	3/4	3/4	3/4	3/4	3/4
6	2,196.07	6	1,829.66	6	1,463.27	6	1,098.07	6	733.53	6	370.22	6	46.05	6	6	6	6	6	6
1/4	2,188.43	1/4	1,822.02	1/4	1,455.65	1/4	1,090.49	1/4	725.90	1/4	362.92	1/4	39.85	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,180.80	1/2	1,814.39	1/2	1,448.04	1/2	1,082.92	1/2	718.26	1/2	355.71	1/2	34.34	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,173.16	3/4	1,806.75	3/4	1,440.44	3/4	1,075.34	3/4	710.63	3/4	348.50	3/4	28.84	3/4	3/4	3/4	3/4	3/4	3/4
7	2,165.53	7	1,799.12	7	1,432.83	7	1,067.77	7	702.99	7	341.29	7	23.33	7	7	7	7	7	7
1/4	2,157.90	1/4	1,791.49	1/4	1,425.22	1/4	1,060.19	1/4	695.36	1/4	334.08	1/4	17.83	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,150.26	1/2	1,783.85	1/2	1,417.62	1/2	1,052.61	1/2	687.73	1/2	326.96	1/2	14.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,142.63	3/4	1,776.22	3/4	1,410.01	3/4	1,045.04	3/4	680.09	3/4	319.83	3/4	10.71	3/4	3/4	3/4	3/4	3/4	3/4
8	2,135.00	8	1,768.58	8	1,402.41	8	1,037.46	8	672.46	8	312.71	8	7.15	8	8	8	8	8	8
1/4	2,127.36	1/4	1,760.95	1/4	1,394.80	1/4	1,029.88	1/4	664.82	1/4	305.58	1/4	3.59	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,119.73	1/2	1,753.32	1/2	1,387.19	1/2	1,022.31	1/2	657.19	1/2	298.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,112.10	3/4	1,745.68	3/4	1,379.59	3/4	1,014.73	3/4	649.56	3/4	291.50	3/4	1/2	3/4	3/4	3/4	3/4	3/4	3/4
9	2,104.46	9	1,738.05	9	1,371.98	9	1,007.16	9	641.92	9	284.46	9	9	9	9	9	9	9	9
1/4	2,096.83	1/4	1,730.41	1/4	1,364.37	1/4	999.58	1/4	634.29	1/4	277.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,089.20	1/2	1,722.78	1/2	1,356.77	1/2	992.00	1/2	626.65	1/2	270.46	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,081.56	3/4	1,715.15	3/4	1,349.16	3/4	984.43	3/4	619.02	3/4	263.51	3/4	1/2	3/4	3/4	3/4	3/4	3/4	3/4
10	2,073.93	10	1,707.51	10	1,341.55	10	976.85	10	611.38	10	256.55	10	10	10	10	10	10	10	10
1/4	2,066.30	1/4	1,699.88	1/4	1,333.95	1/4	969.28	1/4	603.75	1/4	249.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,058.66	1/2	1,692.24	1/2	1,326.34	1/2	961.70	1/2	596.12	1/2	242.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,051.03	3/4	1,684.61	3/4	1,318.73	3/4	954.12	3/4	588.48	3/4	235.86	3/4	1/2	3/4	3/4	3/4	3/4	3/4	3/4
11	2,043.40	11	1,676.98	11	1,311.13	11	946.55	11	580.85	11	228.98	11	11	11	11	11	11	11	11
1/4	2,035.76	1/4	1,669.34	1/4	1,303.52	1/4	938.97	1/4	573.21	1/4	222.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,028.13	1/2	1,661.71	1/2	1,295.90	1/2	931.40	1/2	565.58	1/2	215.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,020.49	3/4	1,654.08	3/4	1,288.28	3/4	923.82	3/4	557.94	3/4	208.54	3/4	1/2	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2011 CL - SW
CALCULATED: 05/04/2011 CL
PRINTED: 05/04/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

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



BARGE "KIRBY 28171"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U. S. GALLONS

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	4,526.72	0	4,194.64	0	3,838.66	0	3,472.25	0	3,105.84	0	2,739.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,520.03	1/4	4,187.42	1/4	3,831.02	1/4	3,464.61	1/4	3,098.21	1/4	2,731.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,513.34	1/2	4,180.21	1/2	3,823.39	1/2	3,456.98	1/2	3,090.57	1/2	2,724.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,506.65	3/4	4,172.99	3/4	3,815.76	3/4	3,449.35	3/4	3,082.94	3/4	2,716.53
1	1	1	1	1	1	1	1	1	4,827.57	1	4,499.96	1	4,165.77	1	3,808.12	1	3,441.71	1	3,075.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,820.73	1/4	4,493.24	1/4	4,158.52	1/4	3,800.49	1/4	3,434.08	1/4	3,067.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,813.90	1/2	4,486.51	1/2	4,151.26	1/2	3,792.85	1/2	3,426.45	1/2	3,060.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,807.07	3/4	4,479.79	3/4	4,144.01	3/4	3,785.22	3/4	3,418.81	3/4	3,052.40
2	2	2	2	2	2	2	2	2	4,800.24	2	4,473.07	2	4,136.75	2	3,777.59	2	3,411.18	2	3,044.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,792.77	1/4	4,466.31	1/4	4,129.46	1/4	3,769.95	1/4	3,403.55	1/4	3,037.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,785.30	1/2	4,459.55	1/2	4,122.17	1/2	3,762.32	1/2	3,395.91	1/2	3,029.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,777.83	3/4	4,452.79	3/4	4,114.88	3/4	3,754.69	3/4	3,388.28	3/4	3,021.87
3	3	3	3	3	3	3	3	3	4,770.36	3	4,446.03	3	4,107.59	3	3,747.05	3	3,380.64	3	3,014.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,762.81	1/4	4,439.24	1/4	4,100.26	1/4	3,739.42	1/4	3,373.01	1/4	3,006.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,755.26	1/2	4,432.44	1/2	4,092.93	1/2	3,731.79	1/2	3,365.38	1/2	2,998.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,747.72	3/4	4,425.65	3/4	4,085.60	3/4	3,724.15	3/4	3,357.74	3/4	2,991.34
4	4	4	4	4	4	4	4	4	4,740.17	4	4,418.85	4	4,078.28	4	3,716.52	4	3,350.11	4	2,983.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,732.90	1/4	4,412.02	1/4	4,070.92	1/4	3,708.89	1/4	3,342.48	1/4	2,976.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,725.63	1/2	4,405.18	1/2	4,063.56	1/2	3,701.25	1/2	3,334.84	1/2	2,968.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,718.36	3/4	4,398.35	3/4	4,056.20	3/4	3,693.62	3/4	3,327.21	3/4	2,960.80
5	5	5	5	5	5	5	5	5	4,711.09	5	4,391.52	5	4,048.84	5	3,685.98	5	3,319.58	5	2,953.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,704.37	1/4	4,384.65	1/4	4,041.44	1/4	3,678.35	1/4	3,311.94	1/4	2,945.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,697.65	1/2	4,377.78	1/2	4,034.05	1/2	3,670.72	1/2	3,304.31	1/2	2,937.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,690.93	3/4	4,370.91	3/4	4,026.65	3/4	3,663.08	3/4	3,296.68	3/4	2,930.27
6	6	6	6	6	6	6	6	6	4,684.21	6	4,364.03	6	4,019.26	6	3,655.45	6	3,289.04	6	2,922.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,677.74	1/4	4,357.13	1/4	4,011.83	1/4	3,647.82	1/4	3,281.41	1/4	2,915.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,671.27	1/2	4,350.22	1/2	4,004.39	1/2	3,640.18	1/2	3,273.78	1/2	2,907.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,664.80	3/4	4,343.31	3/4	3,996.96	3/4	3,632.55	3/4	3,266.14	3/4	2,899.73
7	7	7	7	7	7	7	7	7	4,658.34	7	4,336.40	7	3,989.53	7	3,624.92	7	3,258.51	7	2,892.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,651.83	1/4	4,329.44	1/4	3,982.06	1/4	3,617.28	1/4	3,250.88	1/4	2,884.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,645.32	1/2	4,322.47	1/2	3,974.59	1/2	3,609.65	1/2	3,243.24	1/2	2,876.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,638.82	3/4	4,315.50	3/4	3,967.12	3/4	3,602.02	3/4	3,235.61	3/4	2,869.20
8	8	8	8	8	8	8	8	8	4,632.31	8	4,308.54	8	3,959.65	8	3,594.38	8	3,227.97	8	2,861.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,625.77	1/4	4,301.49	1/4	3,952.14	1/4	3,586.75	1/4	3,220.34	1/4	2,853.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,619.23	1/2	4,294.44	1/2	3,944.63	1/2	3,579.12	1/2	3,212.71	1/2	2,846.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,612.68	3/4	4,287.40	3/4	3,937.13	3/4	3,571.48	3/4	3,205.07	3/4	2,838.67
9	9	9	9	9	9	9	9	9	4,606.14	9	4,280.35	9	3,929.62	9	3,563.85	9	3,197.44	9	2,831.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,599.56	1/4	4,273.24	1/4	3,922.08	1/4	3,556.22	1/4	3,189.81	1/4	2,823.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,592.98	1/2	4,266.14	1/2	3,914.53	1/2	3,548.58	1/2	3,182.17	1/2	2,815.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,586.40	3/4	4,259.04	3/4	3,906.99	3/4	3,540.95	3/4	3,174.54	3/4	2,808.13
10	10	10	10	10	10	10	10	10	4,579.82	10	4,251.93	10	3,899.44	10	3,533.31	10	3,166.91	10	2,800.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,573.20	1/4	4,244.79	1/4	3,891.86	1/4	3,525.68	1/4	3,159.27	1/4	2,792.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,566.58	1/2	4,237.65	1/2	3,884.28	1/2	3,518.05	1/2	3,151.64	1/2	2,785.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,559.96	3/4	4,230.50	3/4	3,876.70	3/4	3,510.41	3/4	3,144.01	3/4	2,777.60
11	11	11	11	11	11	11	11	11	4,553.35	11	4,223.36	11	3,869.11	11	3,502.78	11	3,136.37	11	2,769.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,546.69	1/4	4,216.18	1/4	3,861.50	1/4	3,495.15	1/4	3,128.74	1/4	2,762.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,540.03	1/2	4,209.00	1/2	3,853.89	1/2	3,487.51	1/2	3,121.11	1/2	2,754.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,533.38	3/4	4,201.82	3/4	3,846.27	3/4	3,479.88	3/4	3,113.47	3/4	2,747.06

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "KIRBY 28171"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,373.02	0	2,006.61	0	1,640.19	0	1,274.42	0	908.95	0	542.66	0	194.96	0		0			
1/4	2,365.39	1/4	1,998.98	1/4	1,632.56	1/4	1,266.79	1/4	901.34	1/4	535.03	1/4	188.26	1/4		1/4			1/4
1/2	2,357.76	1/2	1,991.35	1/2	1,624.93	1/2	1,259.16	1/2	893.74	1/2	527.40	1/2	181.56	1/2		1/2			1/2
3/4	2,350.12	3/4	1,983.72	3/4	1,617.29	3/4	1,251.52	3/4	886.13	3/4	519.76	3/4	174.86	3/4		3/4			3/4
1	2,342.49	1	1,976.09	1	1,609.66	1	1,243.89	1	878.52	1	512.13	1	168.16	1		1			1
1/4	2,334.86	1/4	1,968.45	1/4	1,602.03	1/4	1,236.25	1/4	870.90	1/4	504.51	1/4	161.55	1/4		1/4			1/4
1/2	2,327.22	1/2	1,960.82	1/2	1,594.39	1/2	1,228.62	1/2	863.28	1/2	496.90	1/2	154.94	1/2		1/2			1/2
3/4	2,319.59	3/4	1,953.18	3/4	1,586.76	3/4	1,220.98	3/4	855.66	3/4	489.29	3/4	148.32	3/4		3/4			3/4
2	2,311.95	2	1,945.55	2	1,579.12	2	1,213.35	2	848.04	2	481.67	2	141.71	2		2			2
1/4	2,304.32	1/4	1,937.92	1/4	1,571.49	1/4	1,205.71	1/4	840.40	1/4	474.12	1/4	135.19	1/4		1/4			1/4
1/2	2,296.69	1/2	1,930.28	1/2	1,563.86	1/2	1,198.08	1/2	832.77	1/2	466.57	1/2	128.67	1/2		1/2			1/2
3/4	2,289.05	3/4	1,922.65	3/4	1,556.22	3/4	1,190.45	3/4	825.13	3/4	459.02	3/4	122.15	3/4		3/4			3/4
3	2,281.42	3	1,915.02	3	1,548.59	3	1,182.81	3	817.50	3	451.47	3	115.62	3		3			3
1/4	2,273.79	1/4	1,907.38	1/4	1,540.95	1/4	1,175.19	1/4	809.87	1/4	444.01	1/4	109.20	1/4		1/4			1/4
1/2	2,266.15	1/2	1,899.75	1/2	1,533.32	1/2	1,167.57	1/2	802.23	1/2	436.54	1/2	102.78	1/2		1/2			1/2
3/4	2,258.52	3/4	1,892.11	3/4	1,525.69	3/4	1,159.95	3/4	794.60	3/4	429.08	3/4	96.35	3/4		3/4			3/4
4	2,250.89	4	1,884.48	4	1,518.05	4	1,152.32	4	786.96	4	421.62	4	89.93	4		4			4
1/4	2,243.25	1/4	1,876.85	1/4	1,510.42	1/4	1,144.72	1/4	779.33	1/4	414.24	1/4	83.61	1/4		1/4			1/4
1/2	2,235.62	1/2	1,869.21	1/2	1,502.78	1/2	1,137.11	1/2	771.69	1/2	406.86	1/2	77.29	1/2		1/2			1/2
3/4	2,227.99	3/4	1,861.58	3/4	1,495.15	3/4	1,129.50	3/4	764.06	3/4	399.48	3/4	70.97	3/4		3/4			3/4
5	2,220.35	5	1,853.94	5	1,487.52	5	1,121.90	5	756.43	5	392.10	5	64.65	5		5			5
1/4	2,212.72	1/4	1,846.31	1/4	1,479.90	1/4	1,114.29	1/4	748.79	1/4	384.80	1/4	58.45	1/4		1/4			1/4
1/2	2,205.09	1/2	1,838.68	1/2	1,472.28	1/2	1,106.68	1/2	741.16	1/2	377.51	1/2	52.25	1/2		1/2			1/2
3/4	2,197.45	3/4	1,831.04	3/4	1,464.66	3/4	1,099.08	3/4	733.52	3/4	370.21	3/4	46.05	3/4		3/4			3/4
6	2,189.82	6	1,823.41	6	1,457.04	6	1,091.47	6	725.89	6	362.92	6	39.84	6		6			6
1/4	2,182.19	1/4	1,815.77	1/4	1,449.43	1/4	1,083.87	1/4	718.26	1/4	355.71	1/4	34.34	1/4		1/4			1/4
1/2	2,174.55	1/2	1,808.14	1/2	1,441.82	1/2	1,076.26	1/2	710.62	1/2	348.50	1/2	28.83	1/2		1/2			1/2
3/4	2,166.92	3/4	1,800.51	3/4	1,434.22	3/4	1,068.66	3/4	702.99	3/4	341.29	3/4	23.33	3/4		3/4			3/4
7	2,159.28	7	1,792.87	7	1,426.61	7	1,061.05	7	695.35	7	334.07	7	17.83	7		7			7
1/4	2,151.65	1/4	1,785.24	1/4	1,419.01	1/4	1,053.45	1/4	687.72	1/4	326.95	1/4	14.27	1/4		1/4			1/4
1/2	2,144.02	1/2	1,777.61	1/2	1,411.40	1/2	1,045.84	1/2	680.08	1/2	319.82	1/2	10.71	1/2		1/2			1/2
3/4	2,136.38	3/4	1,769.97	3/4	1,403.79	3/4	1,038.24	3/4	672.45	3/4	312.70	3/4	7.15	3/4		3/4			3/4
8	2,128.75	8	1,762.34	8	1,396.19	8	1,030.63	8	664.82	8	305.57	8	3.59	8		8			8
1/4	2,121.12	1/4	1,754.70	1/4	1,388.58	1/4	1,023.03	1/4	657.18	1/4	298.53	1/4		1/4		1/4			1/4
1/2	2,113.48	1/2	1,747.07	1/2	1,380.97	1/2	1,015.42	1/2	649.55	1/2	291.49	1/2		1/2		1/2			1/2
3/4	2,105.85	3/4	1,739.44	3/4	1,373.37	3/4	1,007.82	3/4	641.91	3/4	284.45	3/4		3/4		3/4			3/4
9	2,098.22	9	1,731.80	9	1,365.76	9	1,000.21	9	634.28	9	277.41	9		9		9			9
1/4	2,090.58	1/4	1,724.17	1/4	1,358.15	1/4	992.61	1/4	626.64	1/4	270.46	1/4		1/4		1/4			1/4
1/2	2,082.95	1/2	1,716.53	1/2	1,350.55	1/2	985.00	1/2	619.01	1/2	263.50	1/2		1/2		1/2			1/2
3/4	2,075.32	3/4	1,708.90	3/4	1,342.94	3/4	977.40	3/4	611.38	3/4	256.55	3/4		3/4		3/4			3/4
10	2,067.68	10	1,701.27	10	1,335.33	10	969.79	10	603.74	10	249.59	10		10		10			10
1/4	2,060.05	1/4	1,693.63	1/4	1,327.73	1/4	962.19	1/4	596.11	1/4	242.72	1/4		1/4		1/4			1/4
1/2	2,052.42	1/2	1,686.00	1/2	1,320.12	1/2	954.58	1/2	588.47	1/2	235.85	1/2		1/2		1/2			1/2
3/4	2,044.78	3/4	1,678.36	3/4	1,312.51	3/4	946.98	3/4	580.84	3/4	228.98	3/4		3/4		3/4			3/4
11	2,037.15	11	1,670.73	11	1,304.91	11	939.37	11	573.20	11	222.11	11		11		11			11
1/4	2,029.52	1/4	1,663.10	1/4	1,297.29	1/4	931.77	1/4	565.57	1/4	215.32	1/4		1/4		1/4			1/4
1/2	2,021.88	1/2	1,655.46	1/2	1,289.67	1/2	924.16	1/2	557.93	1/2	208.54	1/2		1/2		1/2			1/2
3/4	2,014.25	3/4	1,647.83	3/4	1,282.05	3/4	916.55	3/4	550.30	3/4	201.75	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2011 CL - SW
CALCULATED: 05/04/2011 CL
PRINTED: 05/04/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

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



BARGE "KIRBY 28171"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0		0	4,537.44	0	4,207.12	0	3,853.18	0	3,489.29	0	3,125.41	0	2,761.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,530.80	1/4	4,199.96	1/4	3,845.60	1/4	3,481.71	1/4	3,117.82	1/4	2,753.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,848.46	1/2	4,524.15	1/2	4,192.79	1/2	3,838.02	1/2	3,474.13	1/2	3,110.24	1/2	2,746.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,842.85	3/4	4,517.51	3/4	4,185.62	3/4	3,830.44	3/4	3,466.55	3/4	3,102.66	3/4	2,738.77
1	1	1	1	1	1	1	1	1	4,836.07	1	4,510.83	1	4,178.42	1	3,822.86	1	3,458.97	1	3,095.08	1	2,731.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,829.28	1/4	4,504.15	1/4	4,171.21	1/4	3,815.28	1/4	3,451.39	1/4	3,087.50	1/4	2,723.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,822.50	1/2	4,497.48	1/2	4,164.01	1/2	3,807.70	1/2	3,443.81	1/2	3,079.92	1/2	2,716.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,815.71	3/4	4,490.80	3/4	4,156.80	3/4	3,800.11	3/4	3,436.23	3/4	3,072.34	3/4	2,708.45
2	2	2	2	2	2	2	2	2	4,808.29	2	4,484.09	2	4,149.56	2	3,792.53	2	3,428.65	2	3,064.76	2	2,700.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,800.88	1/4	4,477.38	1/4	4,142.32	1/4	3,784.95	1/4	3,421.06	1/4	3,057.18	1/4	2,693.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,793.46	1/2	4,470.66	1/2	4,135.08	1/2	3,777.37	1/2	3,413.48	1/2	3,049.60	1/2	2,685.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,786.04	3/4	4,463.95	3/4	4,127.83	3/4	3,769.79	3/4	3,405.90	3/4	3,042.01	3/4	2,678.13
3	3	3	3	3	3	3	3	3	4,778.54	3	4,457.20	3	4,120.56	3	3,762.21	3	3,398.32	3	3,034.43	3	2,670.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,771.05	1/4	4,450.45	1/4	4,113.28	1/4	3,754.63	1/4	3,390.74	1/4	3,026.85	1/4	2,662.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,763.55	1/2	4,443.71	1/2	4,106.00	1/2	3,747.05	1/2	3,383.16	1/2	3,019.27	1/2	2,655.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,756.06	3/4	4,436.96	3/4	4,098.73	3/4	3,739.47	3/4	3,375.58	3/4	3,011.69	3/4	2,647.80
4	4	4	4	4	4	4	4	4	4,748.84	4	4,430.17	4	4,091.42	4	3,731.89	4	3,368.00	4	3,004.11	4	2,640.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,741.62	1/4	4,423.38	1/4	4,084.11	1/4	3,724.30	1/4	3,360.42	1/4	2,996.53	1/4	2,632.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,734.40	1/2	4,416.60	1/2	4,076.80	1/2	3,716.72	1/2	3,352.84	1/2	2,988.95	1/2	2,625.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,727.18	3/4	4,409.81	3/4	4,069.49	3/4	3,709.14	3/4	3,345.25	3/4	2,981.37	3/4	2,617.48
5	5	5	5	5	5	5	5	5	4,720.51	5	4,402.99	5	4,062.14	5	3,701.56	5	3,337.67	5	2,973.79	5	2,609.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,713.83	1/4	4,396.17	1/4	4,054.80	1/4	3,693.98	1/4	3,330.09	1/4	2,966.20	1/4	2,602.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,707.16	1/2	4,389.34	1/2	4,047.46	1/2	3,686.40	1/2	3,322.51	1/2	2,958.62	1/2	2,594.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,700.49	3/4	4,382.52	3/4	4,040.11	3/4	3,678.82	3/4	3,314.93	3/4	2,951.04	3/4	2,587.15
6	6	6	6	6	6	6	6	6	4,694.06	6	4,375.66	6	4,032.73	6	3,671.24	6	3,307.35	6	2,943.46	6	2,579.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,687.64	1/4	4,368.80	1/4	4,025.35	1/4	3,663.66	1/4	3,299.77	1/4	2,935.88	1/4	2,571.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,681.21	1/2	4,361.94	1/2	4,017.97	1/2	3,656.08	1/2	3,292.19	1/2	2,928.30	1/2	2,564.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,674.79	3/4	4,355.08	3/4	4,010.59	3/4	3,648.49	3/4	3,284.61	3/4	2,920.72	3/4	2,556.83
7	7	7	7	7	7	7	7	7	4,668.33	7	4,348.16	7	4,003.17	7	3,640.91	7	3,277.03	7	2,913.14	7	2,549.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,661.87	1/4	4,341.24	1/4	3,995.75	1/4	3,633.33	1/4	3,269.44	1/4	2,905.56	1/4	2,541.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,655.41	1/2	4,334.32	1/2	3,988.33	1/2	3,625.75	1/2	3,261.86	1/2	2,897.98	1/2	2,534.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,648.95	3/4	4,327.40	3/4	3,980.91	3/4	3,618.17	3/4	3,254.28	3/4	2,890.39	3/4	2,526.51
8	8	8	8	8	8	8	8	8	4,642.45	8	4,320.41	8	3,973.46	8	3,610.59	8	3,246.70	8	2,882.81	8	2,518.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,635.95	1/4	4,313.41	1/4	3,966.00	1/4	3,603.01	1/4	3,239.12	1/4	2,875.23	1/4	2,511.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,629.45	1/2	4,306.41	1/2	3,958.55	1/2	3,595.43	1/2	3,231.54	1/2	2,867.65	1/2	2,503.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,622.95	3/4	4,299.41	3/4	3,951.09	3/4	3,587.85	3/4	3,223.96	3/4	2,860.07	3/4	2,496.18
9	9	9	9	9	9	9	9	9	4,616.42	9	4,292.36	9	3,943.60	9	3,580.27	9	3,216.38	9	2,852.49	9	2,488.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,609.88	1/4	4,285.30	1/4	3,936.10	1/4	3,572.68	1/4	3,208.80	1/4	2,844.91	1/4	2,481.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,603.35	1/2	4,278.24	1/2	3,928.61	1/2	3,565.10	1/2	3,201.22	1/2	2,837.33	1/2	2,473.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,596.81	3/4	4,271.19	3/4	3,921.12	3/4	3,557.52	3/4	3,193.63	3/4	2,829.75	3/4	2,465.86
10	10	10	10	10	10	10	10	10	4,590.24	10	4,264.09	10	3,913.59	10	3,549.94	10	3,186.05	10	2,822.17	10	2,458.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,583.67	1/4	4,257.00	1/4	3,906.06	1/4	3,542.36	1/4	3,178.47	1/4	2,814.58	1/4	2,450.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,577.10	1/2	4,249.91	1/2	3,898.53	1/2	3,534.78	1/2	3,170.89	1/2	2,807.00	1/2	2,443.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,570.52	3/4	4,242.81	3/4	3,891.00	3/4	3,527.20	3/4	3,163.31	3/4	2,799.42	3/4	2,435.53
11	11	11	11	11	11	11	11	11	4,563.91	11	4,235.68	11	3,883.44	11	3,519.62	11	3,155.73	11	2,791.84	11	2,427.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,557.30	1/4	4,228.55	1/4	3,875.88	1/4	3,512.04	1/4	3,148.15	1/4	2,784.26	1/4	2,420.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,550.69	1/2	4,221.42	1/2	3,868.32	1/2	3,504.46	1/2	3,140.57	1/2	2,776.68	1/2	2,412.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,544.09	3/4	4,214.29	3/4	3,860.75	3/4	3,496.87	3/4	3,132.99	3/4	2,769.10	3/4	2,405.21

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 28171"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,397.63	0	2,033.74	0	1,669.84	0	1,309.82	0	958.66	0	598.79	0	234.85	0	0	0	0	0	0
1/4	2,390.05	1/4	2,026.16	1/4	1,662.26	1/4	1,302.24	1/4	951.41	1/4	591.21	1/4	227.27	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,382.47	1/2	2,018.58	1/2	1,654.68	1/2	1,294.66	1/2	944.15	1/2	583.63	1/2	219.69	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,374.89	3/4	2,010.99	3/4	1,647.10	3/4	1,287.08	3/4	936.90	3/4	576.04	3/4	212.11	3/4	3/4	3/4	3/4	3/4	3/4
1	2,367.31	1	2,003.41	1	1,639.52	1	1,279.50	1	929.63	1	568.46	1	204.53	1	1	1	1	1	1
1/4	2,359.72	1/4	1,995.83	1/4	1,631.93	1/4	1,271.91	1/4	922.37	1/4	560.88	1/4	196.95	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,352.14	1/2	1,988.25	1/2	1,624.35	1/2	1,264.33	1/2	915.10	1/2	553.30	1/2	189.37	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,344.56	3/4	1,980.67	3/4	1,616.77	3/4	1,256.75	3/4	907.83	3/4	545.72	3/4	181.79	3/4	3/4	3/4	3/4	3/4	3/4
2	2,336.98	2	1,973.09	2	1,609.19	2	1,249.32	2	900.55	2	538.13	2	174.22	2	2	2	2	2	2
1/4	2,329.40	1/4	1,965.51	1/4	1,601.61	1/4	1,241.89	1/4	893.27	1/4	530.55	1/4	166.65	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,321.82	1/2	1,957.93	1/2	1,594.03	1/2	1,234.46	1/2	885.99	1/2	522.97	1/2	159.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,314.24	3/4	1,950.35	3/4	1,586.45	3/4	1,227.03	3/4	878.71	3/4	515.39	3/4	151.50	3/4	3/4	3/4	3/4	3/4	3/4
3	2,306.66	3	1,942.76	3	1,578.87	3	1,219.76	3	871.28	3	507.81	3	143.94	3	3	3	3	3	3
1/4	2,299.08	1/4	1,935.18	1/4	1,571.29	1/4	1,212.49	1/4	863.85	1/4	500.22	1/4	136.38	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,291.50	1/2	1,927.60	1/2	1,563.70	1/2	1,205.22	1/2	856.42	1/2	492.64	1/2	128.82	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,283.91	3/4	1,920.02	3/4	1,556.12	3/4	1,197.96	3/4	848.99	3/4	485.06	3/4	121.26	3/4	3/4	3/4	3/4	3/4	3/4
4	2,276.33	4	1,912.44	4	1,548.62	4	1,190.70	4	841.41	4	477.48	4	113.72	4	4	4	4	4	4
1/4	2,268.75	1/4	1,904.86	1/4	1,541.12	1/4	1,183.45	1/4	833.83	1/4	469.90	1/4	106.18	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,261.17	1/2	1,897.28	1/2	1,533.62	1/2	1,176.20	1/2	826.24	1/2	462.31	1/2	98.64	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,253.59	3/4	1,889.70	3/4	1,526.12	3/4	1,168.94	3/4	818.66	3/4	454.73	3/4	91.10	3/4	3/4	3/4	3/4	3/4	3/4
5	2,246.01	5	1,882.11	5	1,518.70	5	1,161.69	5	811.08	5	447.15	5	83.59	5	5	5	5	5	5
1/4	2,238.43	1/4	1,874.53	1/4	1,511.28	1/4	1,154.44	1/4	803.50	1/4	439.57	1/4	76.08	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,230.85	1/2	1,866.95	1/2	1,503.86	1/2	1,147.19	1/2	795.92	1/2	431.99	1/2	68.58	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,223.27	3/4	1,859.37	3/4	1,496.45	3/4	1,139.94	3/4	788.34	3/4	424.40	3/4	61.07	3/4	3/4	3/4	3/4	3/4	3/4
6	2,215.69	6	1,851.79	6	1,488.93	6	1,132.69	6	780.75	6	416.82	6	54.17	6	6	6	6	6	6
1/4	2,208.10	1/4	1,844.21	1/4	1,481.61	1/4	1,125.44	1/4	773.17	1/4	409.24	1/4	47.27	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,200.52	1/2	1,836.63	1/2	1,474.19	1/2	1,118.19	1/2	765.59	1/2	401.66	1/2	40.37	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,192.94	3/4	1,829.05	3/4	1,466.77	3/4	1,110.94	3/4	758.01	3/4	394.08	3/4	33.47	3/4	3/4	3/4	3/4	3/4	3/4
7	2,185.36	7	1,821.46	7	1,459.35	7	1,103.68	7	750.43	7	386.49	7	28.42	7	7	7	7	7	7
1/4	2,177.78	1/4	1,813.88	1/4	1,451.93	1/4	1,096.43	1/4	742.85	1/4	378.91	1/4	23.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,170.20	1/2	1,806.30	1/2	1,444.51	1/2	1,089.18	1/2	735.26	1/2	371.33	1/2	18.31	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,162.62	3/4	1,798.72	3/4	1,437.09	3/4	1,081.93	3/4	727.68	3/4	363.75	3/4	13.26	3/4	3/4	3/4	3/4	3/4	3/4
8	2,155.04	8	1,791.14	8	1,429.67	8	1,074.68	8	720.10	8	356.17	8	7.00	8	8	8	8	8	8
1/4	2,147.46	1/4	1,783.56	1/4	1,422.25	1/4	1,067.43	1/4	712.52	1/4	348.58	1/4	2.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,139.88	1/2	1,775.98	1/2	1,414.84	1/2	1,060.18	1/2	704.94	1/2	341.00	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,132.29	3/4	1,768.40	3/4	1,407.42	3/4	1,052.93	3/4	697.36	3/4	333.42	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
9	2,124.71	9	1,760.82	9	1,400.00	9	1,045.68	9	689.77	9	325.84	9	0.00	9	9	9	9	9	9
1/4	2,117.13	1/4	1,753.23	1/4	1,392.58	1/4	1,038.42	1/4	682.19	1/4	318.26	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,109.55	1/2	1,745.65	1/2	1,385.16	1/2	1,031.17	1/2	674.61	1/2	310.67	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,101.97	3/4	1,738.07	3/4	1,377.74	3/4	1,023.92	3/4	667.03	3/4	303.09	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
10	2,094.39	10	1,730.49	10	1,370.24	10	1,016.67	10	659.45	10	295.51	10	0.00	10	10	10	10	10	10
1/4	2,086.81	1/4	1,722.91	1/4	1,362.73	1/4	1,009.42	1/4	651.86	1/4	287.93	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,079.23	1/2	1,715.33	1/2	1,355.23	1/2	1,002.17	1/2	644.28	1/2	280.35	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,071.65	3/4	1,707.75	3/4	1,347.73	3/4	994.92	3/4	636.70	3/4	272.76	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
11	2,064.07	11	1,700.17	11	1,340.15	11	987.67	11	629.12	11	265.18	11	0.00	11	11	11	11	11	11
1/4	2,056.48	1/4	1,692.58	1/4	1,332.57	1/4	980.42	1/4	621.54	1/4	257.60	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,048.90	1/2	1,685.00	1/2	1,324.99	1/2	973.16	1/2	613.95	1/2	250.02	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,041.32	3/4	1,677.42	3/4	1,317.41	3/4	965.91	3/4	606.37	3/4	242.44	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2011 CL - SW
CALCULATED: 05/04/2011 CL
PRINTED: 05/04/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 28171"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	0	0	0	0	0	4,858.55	0	4,533.19	0	4,201.30	0	3,846.12	0	3,482.23	0	3,118.34	0	2,754.46	
1/4	1/4	1/4	1/4	1/4	1/4	4,851.76	1/4	4,526.52	1/4	4,194.10	1/4	3,838.54	1/4	3,474.65	1/4	3,110.76	1/4	2,746.88	
1/2	1/2	1/2	1/2	1/2	1/2	4,844.98	1/2	4,519.84	1/2	4,186.89	1/2	3,830.96	1/2	3,467.07	1/2	3,103.18	1/2	2,739.29	
3/4	3/4	3/4	3/4	3/4	3/4	4,838.19	3/4	4,513.16	3/4	4,179.69	3/4	3,823.38	3/4	3,459.49	3/4	3,095.60	3/4	2,731.71	
1	1	1	1	1	1	4,831.40	1	4,506.49	1	4,172.48	1	3,815.80	1	3,451.91	1	3,088.02	1	2,724.13	
1/4	1/4	1/4	1/4	1/4	1/4	4,823.99	1/4	4,499.77	1/4	4,165.24	1/4	3,808.22	1/4	3,444.33	1/4	3,080.44	1/4	2,716.55	
1/2	1/2	1/2	1/2	1/2	1/2	4,816.57	1/2	4,493.06	1/2	4,158.00	1/2	3,800.63	1/2	3,436.75	1/2	3,072.86	1/2	2,708.97	
3/4	3/4	3/4	3/4	3/4	3/4	4,809.15	3/4	4,486.35	3/4	4,150.76	3/4	3,793.05	3/4	3,429.17	3/4	3,065.28	3/4	2,701.39	
2	2	2	2	2	2	4,801.73	2	4,479.64	2	4,143.52	2	3,785.47	2	3,421.58	2	3,057.70	2	2,693.81	
1/4	1/4	1/4	1/4	1/4	1/4	4,794.24	1/4	4,472.89	1/4	4,136.24	1/4	3,777.89	1/4	3,414.00	1/4	3,050.12	1/4	2,686.23	
1/2	1/2	1/2	1/2	1/2	1/2	4,786.74	1/2	4,466.14	1/2	4,128.96	1/2	3,770.31	1/2	3,406.42	1/2	3,042.53	1/2	2,678.65	
3/4	3/4	3/4	3/4	3/4	3/4	4,779.24	3/4	4,459.39	3/4	4,121.69	3/4	3,762.73	3/4	3,398.84	3/4	3,034.95	3/4	2,671.07	
3	3	3	3	3	3	4,771.75	3	4,452.64	3	4,114.41	3	3,755.15	3	3,391.26	3	3,027.37	3	2,663.48	
1/4	1/4	1/4	1/4	1/4	1/4	4,764.53	1/4	4,445.86	1/4	4,107.10	1/4	3,747.57	1/4	3,383.68	1/4	3,019.79	1/4	2,655.90	
1/2	1/2	1/2	1/2	1/2	1/2	4,757.31	1/2	4,439.07	1/2	4,099.79	1/2	3,739.99	1/2	3,376.10	1/2	3,012.21	1/2	2,648.32	
3/4	3/4	3/4	3/4	3/4	3/4	4,750.09	3/4	4,432.28	3/4	4,092.48	3/4	3,732.41	3/4	3,368.52	3/4	3,004.63	3/4	2,640.74	
4	4	4	4	4	4	4,742.87	4	4,425.50	4	4,085.17	4	3,724.82	4	3,360.94	4	2,997.05	4	2,633.16	
1/4	1/4	1/4	1/4	1/4	1/4	4,736.20	1/4	4,418.67	1/4	4,077.83	1/4	3,717.24	1/4	3,353.36	1/4	2,989.47	1/4	2,625.58	
1/2	1/2	1/2	1/2	1/2	1/2	4,729.52	1/2	4,411.85	1/2	4,070.48	1/2	3,709.66	1/2	3,345.77	1/2	2,981.89	1/2	2,618.00	
3/4	3/4	3/4	3/4	3/4	3/4	4,722.85	3/4	4,405.03	3/4	4,063.14	3/4	3,702.08	3/4	3,338.19	3/4	2,974.31	3/4	2,610.42	
5	5	5	5	5	5	4,716.18	5	4,398.20	5	4,055.79	5	3,694.50	5	3,330.61	5	2,966.72	5	2,602.84	
1/4	1/4	1/4	1/4	1/4	1/4	4,709.75	1/4	4,391.34	1/4	4,048.41	1/4	3,686.92	1/4	3,323.03	1/4	2,959.14	1/4	2,595.26	
1/2	1/2	1/2	1/2	1/2	1/2	4,703.33	1/2	4,384.48	1/2	4,041.03	1/2	3,679.34	1/2	3,315.45	1/2	2,951.56	1/2	2,587.67	
3/4	3/4	3/4	3/4	3/4	3/4	4,696.90	3/4	4,377.62	3/4	4,033.65	3/4	3,671.76	3/4	3,307.87	3/4	2,943.98	3/4	2,580.09	
6	6	6	6	6	6	4,690.48	6	4,370.76	6	4,026.27	6	3,664.18	6	3,300.29	6	2,936.40	6	2,572.51	
1/4	1/4	1/4	1/4	1/4	1/4	4,684.02	1/4	4,363.84	1/4	4,018.85	1/4	3,656.60	1/4	3,292.71	1/4	2,928.82	1/4	2,564.93	
1/2	1/2	1/2	1/2	1/2	1/2	4,677.56	1/2	4,356.93	1/2	4,011.43	1/2	3,649.01	1/2	3,285.13	1/2	2,921.24	1/2	2,557.35	
3/4	3/4	3/4	3/4	3/4	3/4	4,671.10	3/4	4,350.01	3/4	4,004.01	3/4	3,641.43	3/4	3,277.55	3/4	2,913.66	3/4	2,549.77	
7	7	7	7	7	7	4,664.64	7	4,343.09	7	3,996.59	7	3,633.85	7	3,269.96	7	2,906.08	7	2,542.19	
1/4	1/4	1/4	1/4	1/4	1/4	4,658.14	1/4	4,336.09	1/4	3,989.14	1/4	3,626.27	1/4	3,262.38	1/4	2,898.50	1/4	2,534.61	
1/2	1/2	1/2	1/2	1/2	1/2	4,651.64	1/2	4,329.09	1/2	3,981.68	1/2	3,618.69	1/2	3,254.80	1/2	2,890.91	1/2	2,527.03	
3/4	3/4	3/4	3/4	3/4	3/4	4,645.14	3/4	4,322.09	3/4	3,974.23	3/4	3,611.11	3/4	3,247.22	3/4	2,883.33	3/4	2,519.45	
8	8	8	8	8	8	4,638.64	8	4,315.10	8	3,966.77	8	3,603.53	8	3,239.64	8	2,875.75	8	2,511.86	
1/4	1/4	1/4	1/4	1/4	1/4	4,632.11	1/4	4,308.04	1/4	3,959.28	1/4	3,595.95	1/4	3,232.06	1/4	2,868.17	1/4	2,504.28	
1/2	1/2	1/2	1/2	1/2	1/2	4,625.57	1/2	4,300.98	1/2	3,951.79	1/2	3,588.37	1/2	3,224.48	1/2	2,860.59	1/2	2,496.70	
3/4	3/4	3/4	3/4	3/4	3/4	4,619.04	3/4	4,293.93	3/4	3,944.29	3/4	3,580.79	3/4	3,216.90	3/4	2,853.01	3/4	2,489.12	
9	9	9	9	9	9	4,612.50	9	4,286.87	9	3,936.80	9	3,573.20	9	3,209.32	9	2,845.43	9	2,481.54	
1/4	1/4	1/4	1/4	1/4	1/4	4,605.93	1/4	4,279.78	1/4	3,929.27	1/4	3,565.62	1/4	3,201.74	1/4	2,837.85	1/4	2,473.96	
1/2	1/2	1/2	1/2	1/2	1/2	4,599.36	1/2	4,272.68	1/2	3,921.74	1/2	3,558.04	1/2	3,194.15	1/2	2,830.27	1/2	2,466.38	
3/4	3/4	3/4	3/4	3/4	3/4	4,592.78	3/4	4,265.59	3/4	3,914.21	3/4	3,550.46	3/4	3,186.57	3/4	2,822.69	3/4	2,458.80	
10	10	10	10	10	10	4,586.21	10	4,258.50	10	3,906.68	10	3,542.88	10	3,178.99	10	2,815.10	10	2,451.22	
1/4	1/4	1/4	1/4	1/4	1/4	4,579.60	1/4	4,251.37	1/4	3,899.12	1/4	3,535.30	1/4	3,171.41	1/4	2,807.52	1/4	2,443.64	
1/2	1/2	1/2	1/2	1/2	1/2	4,572.99	1/2	4,244.24	1/2	3,891.56	1/2	3,527.72	1/2	3,163.83	1/2	2,799.94	1/2	2,436.05	
3/4	3/4	3/4	3/4	3/4	3/4	4,566.38	3/4	4,237.11	3/4	3,884.00	3/4	3,520.14	3/4	3,156.25	3/4	2,792.36	3/4	2,428.47	
11	11	11	11	11	11	4,559.77	11	4,229.97	11	3,876.44	11	3,512.56	11	3,148.67	11	2,784.78	11	2,420.89	
1/4	1/4	1/4	1/4	1/4	1/4	4,553.13	1/4	4,222.81	1/4	3,868.86	1/4	3,504.98	1/4	3,141.09	1/4	2,777.20	1/4	2,413.31	
1/2	1/2	1/2	1/2	1/2	1/2	4,546.48	1/2	4,215.64	1/2	3,861.28	1/2	3,497.39	1/2	3,133.51	1/2	2,769.62	1/2	2,405.73	
3/4	3/4	3/4	3/4	3/4	3/4	4,539.84	3/4	4,208.47	3/4	3,853.70	3/4	3,489.81	3/4	3,125.93	3/4	2,762.04	3/4	2,398.15	

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.

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 28171"

**2 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U. S. GALLONS

GUAGE HEIGHT 16'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,390.57	0	2,026.68	0	1,662.78	0	1,302.76	0	939.92	0	576.04	0	212.11	0	0	0	0	0	0
1/4	2,382.99	1/4	2,019.10	1/4	1,655.20	1/4	1,295.18	1/4	932.35	1/4	568.46	1/4	204.53	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,375.41	1/2	2,011.51	1/2	1,647.62	1/2	1,287.60	1/2	924.78	1/2	560.88	1/2	196.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,367.83	3/4	2,003.93	3/4	1,640.04	3/4	1,280.02	3/4	917.21	3/4	553.30	3/4	189.37	3/4	3/4	3/4	3/4	3/4	3/4
1	2,360.24	1	1,996.35	1	1,632.45	1	1,272.43	1	909.64	1	545.72	1	181.79	1	1	1	1	1	1
1/4	2,352.66	1/4	1,988.77	1/4	1,624.87	1/4	1,264.85	1/4	902.06	1/4	538.13	1/4	174.22	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,345.08	1/2	1,981.19	1/2	1,617.29	1/2	1,257.27	1/2	894.48	1/2	530.55	1/2	166.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,337.50	3/4	1,973.61	3/4	1,609.71	3/4	1,249.69	3/4	886.89	3/4	522.97	3/4	159.07	3/4	3/4	3/4	3/4	3/4	3/4
2	2,329.92	2	1,966.03	2	1,602.13	2	1,242.11	2	879.31	2	515.39	2	151.50	2	2	2	2	2	2
1/4	2,322.34	1/4	1,958.45	1/4	1,594.55	1/4	1,234.54	1/4	871.73	1/4	507.81	1/4	143.94	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,314.76	1/2	1,950.87	1/2	1,586.97	1/2	1,226.97	1/2	864.15	1/2	500.22	1/2	136.38	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,307.18	3/4	1,943.28	3/4	1,579.39	3/4	1,219.40	3/4	856.57	3/4	492.64	3/4	128.82	3/4	3/4	3/4	3/4	3/4	3/4
3	2,299.60	3	1,935.70	3	1,571.81	3	1,211.83	3	848.99	3	485.06	3	121.26	3	3	3	3	3	3
1/4	2,292.02	1/4	1,928.12	1/4	1,564.31	1/4	1,204.27	1/4	841.40	1/4	477.48	1/4	113.72	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,284.43	1/2	1,920.54	1/2	1,556.80	1/2	1,196.72	1/2	833.82	1/2	469.90	1/2	106.18	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,276.85	3/4	1,912.96	3/4	1,549.30	3/4	1,189.17	3/4	826.24	3/4	462.31	3/4	98.64	3/4	3/4	3/4	3/4	3/4	3/4
4	2,269.27	4	1,905.38	4	1,541.80	4	1,181.61	4	818.66	4	454.73	4	91.10	4	4	4	4	4	4
1/4	2,261.69	1/4	1,897.80	1/4	1,534.39	1/4	1,174.06	1/4	811.08	1/4	447.15	1/4	83.59	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,254.11	1/2	1,890.22	1/2	1,526.97	1/2	1,166.51	1/2	803.50	1/2	439.57	1/2	76.08	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,246.53	3/4	1,882.63	3/4	1,519.55	3/4	1,158.95	3/4	795.92	3/4	431.99	3/4	68.58	3/4	3/4	3/4	3/4	3/4	3/4
5	2,238.95	5	1,875.05	5	1,512.13	5	1,151.40	5	788.33	5	424.40	5	61.07	5	5	5	5	5	5
1/4	2,231.37	1/4	1,867.47	1/4	1,504.71	1/4	1,143.85	1/4	780.75	1/4	416.82	1/4	54.17	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,223.79	1/2	1,859.89	1/2	1,497.29	1/2	1,136.29	1/2	773.17	1/2	409.24	1/2	47.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,216.21	3/4	1,852.31	3/4	1,489.87	3/4	1,128.74	3/4	765.59	3/4	401.66	3/4	40.37	3/4	3/4	3/4	3/4	3/4	3/4
6	2,208.62	6	1,844.73	6	1,482.45	6	1,121.19	6	758.01	6	394.08	6	33.47	6	6	6	6	6	6
1/4	2,201.04	1/4	1,837.15	1/4	1,475.03	1/4	1,113.64	1/4	750.43	1/4	386.49	1/4	28.42	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,193.46	1/2	1,829.57	1/2	1,467.61	1/2	1,106.08	1/2	742.85	1/2	378.91	1/2	23.37	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,185.88	3/4	1,821.98	3/4	1,460.19	3/4	1,098.53	3/4	735.26	3/4	371.33	3/4	18.31	3/4	3/4	3/4	3/4	3/4	3/4
7	2,178.30	7	1,814.40	7	1,452.78	7	1,090.98	7	727.68	7	363.75	7	13.26	7	7	7	7	7	7
1/4	2,170.72	1/4	1,806.82	1/4	1,445.36	1/4	1,083.43	1/4	720.10	1/4	356.17	1/4	8.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,163.14	1/2	1,799.24	1/2	1,437.94	1/2	1,075.87	1/2	712.52	1/2	348.58	1/2	3.16	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,155.56	3/4	1,791.66	3/4	1,430.52	3/4	1,068.32	3/4	704.94	3/4	341.00	3/4	0.11	3/4	3/4	3/4	3/4	3/4	3/4
8	2,147.98	8	1,784.08	8	1,423.10	8	1,060.77	8	697.36	8	333.42	8	0.06	8	8	8	8	8	8
1/4	2,140.40	1/4	1,776.50	1/4	1,415.68	1/4	1,053.21	1/4	689.77	1/4	325.84	1/4	0.01	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,132.81	1/2	1,768.92	1/2	1,408.26	1/2	1,045.66	1/2	682.19	1/2	318.26	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,125.23	3/4	1,761.34	3/4	1,400.84	3/4	1,038.11	3/4	674.61	3/4	310.67	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
9	2,117.65	9	1,753.75	9	1,393.42	9	1,030.56	9	667.03	9	303.09	9	0.00	9	9	9	9	9	9
1/4	2,110.07	1/4	1,746.17	1/4	1,385.92	1/4	1,023.00	1/4	659.45	1/4	295.51	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,102.49	1/2	1,738.59	1/2	1,378.42	1/2	1,015.45	1/2	651.86	1/2	287.93	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,094.91	3/4	1,731.01	3/4	1,370.92	3/4	1,007.90	3/4	644.28	3/4	280.35	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
10	2,087.33	10	1,723.43	10	1,363.42	10	1,000.35	10	636.70	10	272.76	10	0.00	10	10	10	10	10	10
1/4	2,079.75	1/4	1,715.85	1/4	1,355.83	1/4	992.79	1/4	629.12	1/4	265.18	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,072.17	1/2	1,708.27	1/2	1,348.25	1/2	985.24	1/2	621.54	1/2	257.60	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,064.59	3/4	1,700.69	3/4	1,340.67	3/4	977.69	3/4	613.95	3/4	250.02	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
11	2,057.00	11	1,693.10	11	1,333.09	11	970.14	11	606.37	11	242.44	11	0.00	11	11	11	11	11	11
1/4	2,049.42	1/4	1,685.52	1/4	1,325.51	1/4	962.58	1/4	598.79	1/4	234.85	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,041.84	1/2	1,677.94	1/2	1,317.92	1/2	955.03	1/2	591.21	1/2	227.27	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,034.26	3/4	1,670.36	3/4	1,310.34	3/4	947.47	3/4	583.63	3/4	219.69	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2011 CL - SW
CALCULATED: 05/04/2011 CL
PRINTED: 05/04/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

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



BARGE "KIRBY 28171"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	4,460.18	0	4,205.33	0	3,944.24	0	3,669.35	0	3,387.59	0	3,025.33	0	2,661.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,455.45	1/4	4,200.04	1/4	3,938.63	1/4	3,663.52	1/4	3,380.88	1/4	3,017.76	1/4	2,654.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,450.72	1/2	4,194.75	1/2	3,933.02	1/2	3,657.69	1/2	3,374.16	1/2	3,010.19	1/2	2,646.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,445.68	3/4	4,189.44	3/4	3,927.39	3/4	3,651.86	3/4	3,366.57	3/4	3,002.61	3/4	2,639.08
1	1	1	1	1	1	1	4,440.65	1	4,184.13	1	3,921.76	1	3,646.02	1	3,358.98	1	2,995.04	1	2,631.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,435.61	1/4	4,178.82	1/4	3,916.12	1/4	3,640.19	1/4	3,351.38	1/4	2,987.47	1/4	2,623.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,430.57	1/2	4,173.51	1/2	3,910.49	1/2	3,634.36	1/2	3,343.79	1/2	2,979.89	1/2	2,616.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,424.90	3/4	4,168.18	3/4	3,904.84	3/4	3,628.52	3/4	3,336.19	3/4	2,972.32	3/4	2,608.78
2	2	2	2	2	2	2	4,419.23	2	4,162.86	2	3,899.19	2	3,622.69	2	3,328.60	2	2,964.75	2	2,601.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,413.56	1/4	4,157.53	1/4	3,893.54	1/4	3,616.86	1/4	3,321.01	1/4	2,957.17	1/4	2,593.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,407.89	1/2	4,152.20	1/2	3,887.89	1/2	3,611.02	1/2	3,313.41	1/2	2,949.60	1/2	2,586.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,402.14	3/4	4,146.85	3/4	3,882.22	3/4	3,605.19	3/4	3,305.82	3/4	2,942.02	3/4	2,578.49
3	3	3	3	3	3	3	4,396.39	3	4,141.51	3	3,876.55	3	3,599.36	3	3,298.23	3	2,934.45	3	2,570.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,390.64	1/4	4,136.16	1/4	3,870.88	1/4	3,593.52	1/4	3,290.63	1/4	2,926.88	1/4	2,563.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,384.89	1/2	4,130.81	1/2	3,865.21	1/2	3,587.69	1/2	3,283.04	1/2	2,919.30	1/2	2,555.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,379.29	3/4	4,125.44	3/4	3,859.52	3/4	3,581.86	3/4	3,275.44	3/4	2,911.73	3/4	2,548.19
4	4	4	4	4	4	4	4,373.69	4	4,120.08	4	3,853.83	4	3,576.02	4	3,267.85	4	2,904.16	4	2,540.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,368.09	1/4	4,114.71	1/4	3,848.14	1/4	3,570.19	1/4	3,260.26	1/4	2,896.58	1/4	2,533.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,362.49	1/2	4,109.34	1/2	3,842.46	1/2	3,564.35	1/2	3,252.66	1/2	2,889.01	1/2	2,525.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,357.19	3/4	4,103.95	3/4	3,836.75	3/4	3,558.52	3/4	3,245.07	3/4	2,881.43	3/4	2,517.90
5	5	5	5	5	5	5	4,351.88	5	4,098.57	5	3,831.04	5	3,552.69	5	3,237.48	5	2,873.86	5	2,510.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,346.57	1/4	4,093.18	1/4	3,825.34	1/4	3,546.85	1/4	3,229.88	1/4	2,866.29	1/4	2,502.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,341.27	1/2	4,087.79	1/2	3,819.63	1/2	3,541.02	1/2	3,222.29	1/2	2,858.71	1/2	2,495.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,336.09	3/4	4,082.38	3/4	3,813.90	3/4	3,535.19	3/4	3,214.71	3/4	2,851.14	3/4	2,487.60
6	6	6	6	6	6	6	4,330.92	6	4,076.98	6	3,808.18	6	3,529.35	6	3,207.12	6	2,843.57	6	2,480.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,325.75	1/4	4,071.57	1/4	3,802.45	1/4	3,523.52	1/4	3,199.54	1/4	2,835.99	1/4	2,472.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,320.57	1/2	4,066.16	1/2	3,796.73	1/2	3,517.69	1/2	3,191.96	1/2	2,828.42	1/2	2,464.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,315.38	3/4	4,060.71	3/4	3,790.98	3/4	3,511.85	3/4	3,184.38	3/4	2,820.84	3/4	2,457.31
7	7	7	7	7	7	7	4,310.19	7	4,055.26	7	3,785.23	7	3,506.02	7	3,176.81	7	2,813.27	7	2,449.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,304.99	1/4	4,049.82	1/4	3,779.49	1/4	3,500.19	1/4	3,169.24	1/4	2,805.70	1/4	2,442.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,299.80	1/2	4,044.37	1/2	3,773.74	1/2	3,494.35	1/2	3,161.66	1/2	2,798.12	1/2	2,434.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,294.59	3/4	4,038.86	3/4	3,767.97	3/4	3,488.52	3/4	3,154.09	3/4	2,790.55	3/4	2,427.01
8	8	8	8	8	8	8	4,289.37	8	4,033.35	8	3,762.21	8	3,482.69	8	3,146.51	8	2,782.98	8	2,419.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,284.16	1/4	4,027.84	1/4	3,756.44	1/4	3,476.85	1/4	3,138.94	1/4	2,775.40	1/4	2,411.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,278.95	1/2	4,022.32	1/2	3,750.68	1/2	3,471.02	1/2	3,131.37	1/2	2,767.83	1/2	2,404.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,273.72	3/4	4,016.77	3/4	3,744.89	3/4	3,465.19	3/4	3,123.79	3/4	2,760.26	3/4	2,396.72
9	9	9	9	9	9	9	4,268.48	9	4,011.22	9	3,739.10	9	3,459.35	9	3,116.22	9	2,752.68	9	2,389.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,263.25	1/4	4,005.67	1/4	3,733.32	1/4	3,453.52	1/4	3,108.65	1/4	2,745.11	1/4	2,381.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,258.02	1/2	4,000.12	1/2	3,727.53	1/2	3,447.68	1/2	3,101.07	1/2	2,737.53	1/2	2,374.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,252.76	3/4	3,994.55	3/4	3,721.73	3/4	3,441.85	3/4	3,093.50	3/4	2,729.96	3/4	2,366.42
10	10	10	10	10	10	10	4,247.51	10	3,988.97	10	3,715.92	10	3,436.02	10	3,085.92	10	2,722.39	10	2,358.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,242.26	1/4	3,983.40	1/4	3,710.11	1/4	3,430.18	1/4	3,078.35	1/4	2,714.81	1/4	2,351.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,237.01	1/2	3,977.83	1/2	3,704.31	1/2	3,424.35	1/2	3,070.78	1/2	2,707.24	1/2	2,343.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,231.73	3/4	3,972.24	3/4	3,698.48	3/4	3,418.52	3/4	3,063.20	3/4	2,699.67	3/4	2,336.13
11	11	11	11	11	11	11	4,226.46	11	3,966.65	11	3,692.66	11	3,412.68	11	3,055.63	11	2,692.09	11	2,328.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,221.19	1/4	3,961.06	1/4	3,686.84	1/4	3,406.85	1/4	3,048.06	1/4	2,684.52	1/4	2,320.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,215.91	1/2	3,955.46	1/2	3,681.02	1/2	3,401.02	1/2	3,040.48	1/2	2,676.94	1/2	2,313.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,210.62	3/4	3,949.85	3/4	3,675.18	3/4	3,394.30	3/4	3,032.91	3/4	2,669.37	3/4	2,305.83

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 28171"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,298.26	0	1,934.72	0	1,571.27	0	1,212.25	0	858.02	0	501.16	0	137.25	0	0	0	0	0	0
1/4	2,290.69	1/4	1,927.15	1/4	1,563.72	1/4	1,204.69	1/4	850.66	1/4	493.57	1/4	129.97	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,283.11	1/2	1,919.57	1/2	1,556.17	1/2	1,197.13	1/2	843.31	1/2	485.97	1/2	122.69	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,275.54	3/4	1,912.00	3/4	1,548.62	3/4	1,189.57	3/4	835.93	3/4	478.38	3/4	116.37	3/4	3/4	3/4	3/4	3/4	3/4
1	2,267.96	1	1,904.43	1	1,541.07	1	1,182.01	1	828.56	1	470.78	1	110.04	1	1	1	1	1	1
1/4	2,260.39	1/4	1,896.85	1/4	1,533.52	1/4	1,174.45	1/4	821.19	1/4	463.19	1/4	103.71	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,252.82	1/2	1,889.28	1/2	1,525.97	1/2	1,166.90	1/2	813.82	1/2	455.60	1/2	97.38	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,245.24	3/4	1,881.70	3/4	1,518.42	3/4	1,159.44	3/4	806.44	3/4	448.00	3/4	92.33	3/4	3/4	3/4	3/4	3/4	3/4
2	2,237.67	2	1,874.13	2	1,510.87	2	1,151.99	2	799.05	2	440.41	2	87.27	2	2	2	2	2	2
1/4	2,230.10	1/4	1,866.56	1/4	1,503.32	1/4	1,144.54	1/4	791.67	1/4	432.81	1/4	82.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,222.52	1/2	1,858.98	1/2	1,495.76	1/2	1,137.08	1/2	784.28	1/2	425.22	1/2	77.16	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,214.95	3/4	1,851.41	3/4	1,488.21	3/4	1,129.74	3/4	776.90	3/4	417.62	3/4	73.38	3/4	3/4	3/4	3/4	3/4	3/4
3	2,207.38	3	1,843.84	3	1,480.66	3	1,122.39	3	769.52	3	410.03	3	69.60	3	3	3	3	3	3
1/4	2,199.80	1/4	1,836.26	1/4	1,473.11	1/4	1,115.05	1/4	762.13	1/4	402.43	1/4	65.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,192.23	1/2	1,828.69	1/2	1,465.56	1/2	1,107.70	1/2	754.75	1/2	394.84	1/2	62.04	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,184.65	3/4	1,821.11	3/4	1,458.09	3/4	1,100.36	3/4	747.36	3/4	387.24	3/4	59.54	3/4	3/4	3/4	3/4	3/4	3/4
4	2,177.08	4	1,813.54	4	1,450.62	4	1,093.03	4	739.98	4	379.65	4	57.05	4	4	4	4	4	4
1/4	2,169.51	1/4	1,805.97	1/4	1,443.15	1/4	1,085.69	1/4	732.60	1/4	372.05	1/4	54.55	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,161.93	1/2	1,798.39	1/2	1,435.69	1/2	1,078.35	1/2	725.21	1/2	364.46	1/2	52.06	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,154.36	3/4	1,790.82	3/4	1,428.28	3/4	1,071.01	3/4	717.83	3/4	356.86	3/4	50.86	3/4	3/4	3/4	3/4	3/4	3/4
5	2,146.79	5	1,783.24	5	1,420.88	5	1,063.67	5	710.44	5	349.27	5	49.66	5	5	5	5	5	5
1/4	2,139.21	1/4	1,775.67	1/4	1,413.48	1/4	1,056.34	1/4	703.06	1/4	341.67	1/4	48.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,131.64	1/2	1,768.10	1/2	1,406.08	1/2	1,049.00	1/2	695.68	1/2	334.08	1/2	47.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,124.06	3/4	1,760.52	3/4	1,398.67	3/4	1,041.66	3/4	688.29	3/4	326.49	3/4	46.06	3/4	3/4	3/4	3/4	3/4	3/4
6	2,116.49	6	1,752.95	6	1,391.26	6	1,034.33	6	680.91	6	318.89	6	44.86	6	6	6	6	6	6
1/4	2,108.92	1/4	1,745.37	1/4	1,383.84	1/4	1,026.99	1/4	673.52	1/4	311.30	1/4	43.66	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,101.34	1/2	1,737.80	1/2	1,376.43	1/2	1,019.65	1/2	666.14	1/2	303.70	1/2	42.46	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,093.77	3/4	1,730.23	3/4	1,369.02	3/4	1,012.32	3/4	658.76	3/4	296.11	3/4	41.26	3/4	3/4	3/4	3/4	3/4	3/4
7	2,086.20	7	1,722.65	7	1,361.61	7	1,004.98	7	651.37	7	288.51	7	40.06	7	7	7	7	7	7
1/4	2,078.62	1/4	1,715.08	1/4	1,354.19	1/4	997.64	1/4	643.99	1/4	280.92	1/4	38.86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,071.05	1/2	1,707.51	1/2	1,346.78	1/2	990.31	1/2	636.60	1/2	273.32	1/2	37.66	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,063.47	3/4	1,699.93	3/4	1,339.37	3/4	982.97	3/4	629.22	3/4	265.73	3/4	36.46	3/4	3/4	3/4	3/4	3/4	3/4
8	2,055.90	8	1,692.36	8	1,331.95	8	975.63	8	621.84	8	258.13	8	35.26	8	8	8	8	8	8
1/4	2,048.33	1/4	1,684.78	1/4	1,324.54	1/4	968.30	1/4	614.45	1/4	250.54	1/4	34.06	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,040.75	1/2	1,677.21	1/2	1,317.13	1/2	960.96	1/2	607.07	1/2	242.94	1/2	32.86	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,033.18	3/4	1,669.64	3/4	1,309.72	3/4	953.61	3/4	599.58	3/4	235.35	3/4	31.66	3/4	3/4	3/4	3/4	3/4	3/4
9	2,025.61	9	1,662.06	9	1,302.32	9	946.27	9	592.09	9	227.75	9	30.46	9	9	9	9	9	9
1/4	2,018.03	1/4	1,654.49	1/4	1,294.91	1/4	938.92	1/4	584.60	1/4	220.16	1/4	29.26	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,010.46	1/2	1,646.91	1/2	1,287.51	1/2	931.57	1/2	577.11	1/2	212.56	1/2	28.06	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,002.89	3/4	1,639.34	3/4	1,280.03	3/4	924.22	3/4	569.52	3/4	204.97	3/4	26.86	3/4	3/4	3/4	3/4	3/4	3/4
10	1,995.31	10	1,631.77	10	1,272.55	10	916.86	10	561.92	10	197.38	10	25.66	10	10	10	10	10	10
1/4	1,987.74	1/4	1,624.19	1/4	1,265.08	1/4	909.51	1/4	554.33	1/4	189.78	1/4	24.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,980.16	1/2	1,616.62	1/2	1,257.60	1/2	902.15	1/2	546.73	1/2	182.19	1/2	23.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,972.59	3/4	1,609.06	3/4	1,250.04	3/4	894.80	3/4	539.14	3/4	174.59	3/4	22.06	3/4	3/4	3/4	3/4	3/4	3/4
11	1,965.02	11	1,601.49	11	1,242.48	11	887.44	11	531.54	11	167.00	11	20.86	11	11	11	11	11	11
1/4	1,957.44	1/4	1,593.93	1/4	1,234.92	1/4	880.09	1/4	523.95	1/4	159.40	1/4	19.66	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,949.87	1/2	1,586.37	1/2	1,227.36	1/2	872.73	1/2	516.35	1/2	151.81	1/2	18.46	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,942.30	3/4	1,578.82	3/4	1,219.81	3/4	865.38	3/4	508.76	3/4	144.53	3/4	17.26	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/04/2011 CL - SW
CALCULATED: 05/04/2011 CL
PRINTED: 05/04/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

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



BARGE "KIRBY 28171"

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,483.06	0	4,228.21	0	3,967.12	0	3,692.23	0	3,410.47	0	3,047.73	0	2,683.23
1/4		1/4		1/4		1/4	4,478.33	1/4	4,222.92	1/4	3,961.50	1/4	3,686.40	1/4	3,403.75	1/4	3,040.13	1/4	2,675.64
1/2		1/2		1/2		1/2	4,473.60	1/2	4,217.62	1/2	3,955.89	1/2	3,680.57	1/2	3,397.04	1/2	3,032.54	1/2	2,668.04
3/4		3/4		3/4		3/4	4,468.56	3/4	4,212.31	3/4	3,950.26	3/4	3,674.73	3/4	3,389.44	3/4	3,024.95	3/4	2,660.45
1		1		1		1	4,463.52	1	4,207.01	1	3,944.63	1	3,668.90	1	3,381.85	1	3,017.35	1	2,652.86
1/4		1/4		1/4		1/4	4,458.48	1/4	4,201.70	1/4	3,939.00	1/4	3,663.07	1/4	3,374.26	1/4	3,009.76	1/4	2,645.26
1/2		1/2		1/2		1/2	4,453.45	1/2	4,196.39	1/2	3,933.37	1/2	3,657.23	1/2	3,366.66	1/2	3,002.17	1/2	2,637.67
3/4		3/4		3/4		3/4	4,447.78	3/4	4,191.06	3/4	3,927.72	3/4	3,651.40	3/4	3,359.07	3/4	2,994.57	3/4	2,630.07
2		2		2		2	4,442.11	2	4,185.73	2	3,922.06	2	3,645.57	2	3,351.48	2	2,986.98	2	2,622.48
1/4		1/4		1/4		1/4	4,436.44	1/4	4,180.41	1/4	3,916.41	1/4	3,639.73	1/4	3,343.88	1/4	2,979.38	1/4	2,614.89
1/2		1/2		1/2		1/2	4,430.77	1/2	4,175.08	1/2	3,910.76	1/2	3,633.90	1/2	3,336.29	1/2	2,971.79	1/2	2,607.29
3/4		3/4		3/4		3/4	4,425.02	3/4	4,169.73	3/4	3,905.09	3/4	3,628.06	3/4	3,328.69	3/4	2,964.20	3/4	2,599.70
3		3		3		3	4,419.27	3	4,164.38	3	3,899.42	3	3,622.23	3	3,321.10	3	2,956.60	3	2,592.11
1/4		1/4		1/4		1/4	4,413.52	1/4	4,159.03	1/4	3,893.75	1/4	3,616.40	1/4	3,313.51	1/4	2,949.01	1/4	2,584.51
1/2		1/2		1/2		1/2	4,407.77	1/2	4,153.69	1/2	3,888.08	1/2	3,610.56	1/2	3,305.91	1/2	2,941.42	1/2	2,576.92
3/4		3/4		3/4		3/4	4,402.17	3/4	4,148.32	3/4	3,882.39	3/4	3,604.73	3/4	3,298.32	3/4	2,933.82	3/4	2,569.32
4		4		4		4	4,396.57	4	4,142.95	4	3,876.71	4	3,598.90	4	3,290.73	4	2,926.23	4	2,561.73
1/4		1/4		1/4		1/4	4,390.97	1/4	4,137.58	1/4	3,871.02	1/4	3,593.06	1/4	3,283.13	1/4	2,918.64	1/4	2,554.14
1/2		1/2		1/2		1/2	4,385.37	1/2	4,132.22	1/2	3,865.33	1/2	3,587.23	1/2	3,275.54	1/2	2,911.04	1/2	2,546.54
3/4		3/4		3/4		3/4	4,380.06	3/4	4,126.83	3/4	3,859.62	3/4	3,581.40	3/4	3,267.95	3/4	2,903.45	3/4	2,538.95
5		5		5		5	4,374.75	5	4,121.44	5	3,853.92	5	3,575.56	5	3,260.35	5	2,895.85	5	2,531.36
1/4		1/4		1/4		1/4	4,369.45	1/4	4,116.05	1/4	3,848.21	1/4	3,569.73	1/4	3,252.76	1/4	2,888.26	1/4	2,523.76
1/2		1/2		1/2		1/2	4,364.14	1/2	4,110.67	1/2	3,842.51	1/2	3,563.90	1/2	3,245.16	1/2	2,880.67	1/2	2,516.17
3/4		3/4		3/4		3/4	4,358.97	3/4	4,105.26	3/4	3,836.78	3/4	3,558.06	3/4	3,237.57	3/4	2,873.07	3/4	2,508.58
6		6		6		6	4,353.79	6	4,099.85	6	3,831.05	6	3,552.23	6	3,229.98	6	2,865.48	6	2,500.98
1/4		1/4		1/4		1/4	4,348.62	1/4	4,094.44	1/4	3,825.33	1/4	3,546.40	1/4	3,222.38	1/4	2,857.89	1/4	2,493.39
1/2		1/2		1/2		1/2	4,343.45	1/2	4,089.04	1/2	3,819.60	1/2	3,540.56	1/2	3,214.79	1/2	2,850.29	1/2	2,485.79
3/4		3/4		3/4		3/4	4,338.26	3/4	4,083.59	3/4	3,813.85	3/4	3,534.73	3/4	3,207.20	3/4	2,842.70	3/4	2,478.20
7		7		7		7	4,333.06	7	4,078.14	7	3,808.11	7	3,528.90	7	3,199.60	7	2,835.10	7	2,470.61
1/4		1/4		1/4		1/4	4,327.87	1/4	4,072.69	1/4	3,802.36	1/4	3,523.06	1/4	3,192.01	1/4	2,827.51	1/4	2,463.01
1/2		1/2		1/2		1/2	4,322.68	1/2	4,067.24	1/2	3,796.62	1/2	3,517.23	1/2	3,184.41	1/2	2,819.92	1/2	2,455.42
3/4		3/4		3/4		3/4	4,317.46	3/4	4,061.73	3/4	3,790.85	3/4	3,511.39	3/4	3,176.82	3/4	2,812.32	3/4	2,447.83
8		8		8		8	4,312.25	8	4,056.22	8	3,785.08	8	3,505.56	8	3,169.23	8	2,804.73	8	2,440.23
1/4		1/4		1/4		1/4	4,307.04	1/4	4,050.71	1/4	3,779.32	1/4	3,499.73	1/4	3,161.63	1/4	2,797.14	1/4	2,432.64
1/2		1/2		1/2		1/2	4,301.82	1/2	4,045.20	1/2	3,773.55	1/2	3,493.89	1/2	3,154.04	1/2	2,789.54	1/2	2,425.04
3/4		3/4		3/4		3/4	4,296.59	3/4	4,039.65	3/4	3,767.77	3/4	3,488.06	3/4	3,146.45	3/4	2,781.95	3/4	2,417.45
9		9		9		9	4,291.36	9	4,034.10	9	3,761.98	9	3,482.23	9	3,138.85	9	2,774.35	9	2,409.86
1/4		1/4		1/4		1/4	4,286.13	1/4	4,028.54	1/4	3,756.19	1/4	3,476.39	1/4	3,131.26	1/4	2,766.76	1/4	2,402.26
1/2		1/2		1/2		1/2	4,280.89	1/2	4,022.99	1/2	3,750.41	1/2	3,470.56	1/2	3,123.66	1/2	2,759.17	1/2	2,394.67
3/4		3/4		3/4		3/4	4,275.64	3/4	4,017.42	3/4	3,744.60	3/4	3,464.73	3/4	3,116.07	3/4	2,751.57	3/4	2,387.08
10		10		10		10	4,270.39	10	4,011.85	10	3,738.79	10	3,458.89	10	3,108.48	10	2,743.98	10	2,379.48
1/4		1/4		1/4		1/4	4,265.13	1/4	4,006.28	1/4	3,732.99	1/4	3,453.06	1/4	3,100.88	1/4	2,736.39	1/4	2,371.89
1/2		1/2		1/2		1/2	4,259.88	1/2	4,000.71	1/2	3,727.18	1/2	3,447.23	1/2	3,093.29	1/2	2,728.79	1/2	2,364.30
3/4		3/4		3/4		3/4	4,254.61	3/4	3,995.11	3/4	3,721.36	3/4	3,441.39	3/4	3,085.70	3/4	2,721.20	3/4	2,356.70
11		11		11		11	4,249.34	11	3,989.52	11	3,715.54	11	3,435.56	11	3,078.10	11	2,713.61	11	2,349.11
1/4		1/4		1/4		1/4	4,244.06	1/4	3,983.93	1/4	3,709.71	1/4	3,429.73	1/4	3,070.51	1/4	2,706.01	1/4	2,341.51
1/2		1/2		1/2		1/2	4,492.52	1/2	3,978.34	1/2	3,703.89	1/2	3,423.89	1/2	3,062.92	1/2	2,698.42	1/2	2,333.92
3/4		3/4		3/4		3/4	4,487.79	3/4	4,233.50	3/4	3,972.73	3/4	3,698.06	3/4	3,417.18	3/4	3,055.32	3/4	2,326.33

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
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BARGE "KIRBY 28171"

**3 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,318.73	0	1,954.23	0	1,589.73	0	1,229.10	0	865.59	0	501.16	0	137.25	0		0			
1/4	2,311.14	1/4	1,946.64	1/4	1,582.13	1/4	1,221.50	1/4	858.02	1/4	493.57	1/4	129.97	1/4		1			
1/2	2,303.55	1/2	1,939.05	1/2	1,574.54	1/2	1,213.91	1/2	850.45	1/2	485.97	1/2	122.69	1/2		1/2			
3/4	2,295.95	3/4	1,931.45	3/4	1,566.94	3/4	1,206.31	3/4	842.87	3/4	478.38	3/4	116.37	3/4		3/4			
1	2,288.36	1	1,923.86	1	1,559.35	1	1,198.72	1	835.29	1	470.78	1	110.04	1		1			
1/4	2,280.76	1/4	1,916.26	1/4	1,551.76	1/4	1,191.12	1/4	827.71	1/4	463.19	1/4	103.71	1/4		1/4			
1/2	2,273.17	1/2	1,908.67	1/2	1,544.16	1/2	1,183.53	1/2	820.13	1/2	455.60	1/2	97.38	1/2		1/2			
3/4	2,265.58	3/4	1,901.08	3/4	1,536.57	3/4	1,175.94	3/4	812.53	3/4	448.00	3/4	92.33	3/4		3/4			
2	2,257.98	2	1,893.48	2	1,528.98	2	1,168.34	2	804.94	2	440.41	2	87.27	2		2			
1/4	2,250.39	1/4	1,885.89	1/4	1,521.38	1/4	1,160.75	1/4	797.35	1/4	432.81	1/4	82.21	1/4		1/4			
1/2	2,242.80	1/2	1,878.29	1/2	1,513.79	1/2	1,153.15	1/2	789.75	1/2	425.22	1/2	77.16	1/2		1/2			
3/4	2,235.20	3/4	1,870.70	3/4	1,506.19	3/4	1,145.57	3/4	782.16	3/4	417.62	3/4	73.38	3/4		3/4			
3	2,227.61	3	1,863.11	3	1,498.60	3	1,137.99	3	774.56	3	410.03	3	69.60	3		3			
1/4	2,220.01	1/4	1,855.51	1/4	1,491.01	1/4	1,130.41	1/4	766.97	1/4	402.43	1/4	65.82	1/4		1/4			
1/2	2,212.42	1/2	1,847.92	1/2	1,483.41	1/2	1,122.82	1/2	759.37	1/2	394.84	1/2	62.04	1/2		1/2			
3/4	2,204.83	3/4	1,840.33	3/4	1,475.90	3/4	1,115.26	3/4	751.78	3/4	387.24	3/4	59.54	3/4		3/4			
4	2,197.23	4	1,832.73	4	1,468.39	4	1,107.69	4	744.19	4	379.65	4	57.05	4		4			
1/4	2,189.64	1/4	1,825.14	1/4	1,460.87	1/4	1,100.12	1/4	736.59	1/4	372.05	1/4	54.55	1/4		1/4			
1/2	2,182.05	1/2	1,817.54	1/2	1,453.36	1/2	1,092.56	1/2	729.00	1/2	364.46	1/2	52.06	1/2		1/2			
3/4	2,174.45	3/4	1,809.95	3/4	1,445.93	3/4	1,084.99	3/4	721.40	3/4	356.86	3/4	50.86	3/4		3/4			
5	2,166.86	5	1,802.36	5	1,438.50	5	1,077.42	5	713.81	5	349.27	5	49.66	5		5			
1/4	2,159.27	1/4	1,794.76	1/4	1,431.06	1/4	1,069.86	1/4	706.21	1/4	341.67	1/4	48.46	1/4		1/4			
1/2	2,151.67	1/2	1,787.17	1/2	1,423.63	1/2	1,062.29	1/2	698.62	1/2	334.08	1/2	47.26	1/2		1/2			
3/4	2,144.08	3/4	1,779.57	3/4	1,416.20	3/4	1,054.73	3/4	691.03	3/4	326.49	3/4		3/4		3/4			
6	2,136.48	6	1,771.98	6	1,408.77	6	1,047.16	6	683.43	6	318.89	6		6		6			
1/4	2,128.89	1/4	1,764.39	1/4	1,401.34	1/4	1,039.60	1/4	675.84	1/4	311.30	1/4		1/4		1/4			
1/2	2,121.30	1/2	1,756.79	1/2	1,393.90	1/2	1,032.03	1/2	668.24	1/2	303.70	1/2		1/2		1/2			
3/4	2,113.70	3/4	1,749.20	3/4	1,386.47	3/4	1,024.47	3/4	660.65	3/4	296.11	3/4		3/4		3/4			
7	2,106.11	7	1,741.60	7	1,379.04	7	1,016.90	7	653.05	7	288.51	7		7		7			
1/4	2,098.52	1/4	1,734.01	1/4	1,371.61	1/4	1,009.34	1/4	645.46	1/4	280.92	1/4		1/4		1/4			
1/2	2,090.92	1/2	1,726.42	1/2	1,364.18	1/2	1,001.77	1/2	637.87	1/2	273.32	1/2		1/2		1/2			
3/4	2,083.33	3/4	1,718.82	3/4	1,356.74	3/4	994.21	3/4	630.27	3/4	265.73	3/4		3/4		3/4			
8	2,075.73	8	1,711.23	8	1,349.31	8	986.64	8	622.68	8	258.13	8		8		8			
1/4	2,068.14	1/4	1,703.63	1/4	1,341.88	1/4	979.07	1/4	615.08	1/4	250.54	1/4		1/4		1/4			
1/2	2,060.55	1/2	1,696.04	1/2	1,334.45	1/2	971.51	1/2	607.49	1/2	242.94	1/2		1/2		1/2			
3/4	2,052.95	3/4	1,688.45	3/4	1,327.02	3/4	963.94	3/4	599.89	3/4	235.35	3/4		3/4		3/4			
9	2,045.36	9	1,680.85	9	1,319.58	9	956.38	9	592.30	9	227.75	9		9		9			
1/4	2,037.77	1/4	1,673.26	1/4	1,312.15	1/4	948.81	1/4	584.70	1/4	220.16	1/4		1/4		1/4			
1/2	2,030.17	1/2	1,665.67	1/2	1,304.72	1/2	941.25	1/2	577.11	1/2	212.56	1/2		1/2		1/2			
3/4	2,022.58	3/4	1,658.07	3/4	1,297.20	3/4	933.68	3/4	569.52	3/4	204.97	3/4		3/4		3/4			
10	2,014.98	10	1,650.48	10	1,289.69	10	926.12	10	561.92	10	197.38	10		10		10			
1/4	2,007.39	1/4	1,642.88	1/4	1,282.18	1/4	918.55	1/4	554.33	1/4	189.78	1/4		1/4		1/4			
1/2	1,999.80	1/2	1,635.29	1/2	1,274.67	1/2	910.99	1/2	546.73	1/2	182.19	1/2		1/2		1/2			
3/4	1,992.20	3/4	1,627.70	3/4	1,267.07	3/4	903.42	3/4	539.14	3/4	174.59	3/4		3/4		3/4			
11	1,984.61	11	1,620.10	11	1,259.48	11	895.86	11	531.54	11	167.00	11		11		11			
1/4	1,977.02	1/4	1,612.51	1/4	1,251.88	1/4	888.29	1/4	523.95	1/4	159.40	1/4		1/4		1/4			
1/2	1,969.42	1/2	1,604.91	1/2	1,244.29	1/2	880.72	1/2	516.35	1/2	151.81	1/2		1/2		1/2			
3/4	1,961.83	3/4	1,597.32	3/4	1,236.69	3/4	873.16	3/4	508.76	3/4	144.53	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

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