



BARGE "KIRBY 27771"

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	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8
1 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8
2 PORT	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2	01-3/4	- 01-3/4
2 STBD	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-3/4	- 01-3/4
3 PORT	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-3/8	- 02-3/8	03-0/8	- 03-0/8	03-1/2	- 03-1/2
3 STBD	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-3/8	- 02-3/8	03-0/8	- 03-0/8	03-1/2	- 03-1/2

(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 2 PORT IS - 00-5/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

August 2, 2011

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27771"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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		0	4,865.88	0	4,533.83	0	4,183.34	0	3,810.67	0	3,432.78	0	3,054.89
1/4		1/4		1/4		1/4		1/4	4,858.09	1/4	4,526.82	1/4	4,175.79	1/4	3,802.79	1/4	3,424.90	1/4	3,047.01
1/2		1/2		1/2		1/2		1/2	4,850.59	1/2	4,519.77	1/2	4,168.20	1/2	3,794.92	1/2	3,417.03	1/2	3,039.14
3/4		3/4		3/4		3/4		3/4	4,843.09	3/4	4,512.72	3/4	4,160.62	3/4	3,787.05	3/4	3,409.16	3/4	3,031.27
1		1		1		1		1	4,835.59	1	4,505.67	1	4,153.03	1	3,779.17	1	3,401.28	1	3,023.40
1/4		1/4		1/4		1/4		1/4	4,828.09	1/4	4,498.63	1/4	4,145.44	1/4	3,771.30	1/4	3,393.41	1/4	3,015.52
1/2		1/2		1/2		1/2		1/2	4,821.16	1/2	4,491.54	1/2	4,137.81	1/2	3,763.43	1/2	3,385.54	1/2	3,007.65
3/4		3/4		3/4		3/4		3/4	4,814.24	3/4	4,484.45	3/4	4,130.19	3/4	3,755.56	3/4	3,377.67	3/4	2,999.78
2		2		2		2		2	4,807.31	2	4,477.37	2	4,122.56	2	3,747.68	2	3,369.79	2	2,991.90
1/4		1/4		1/4		1/4		1/4	4,800.38	1/4	4,470.28	1/4	4,114.94	1/4	3,739.81	1/4	3,361.92	1/4	2,984.03
1/2		1/2		1/2		1/2		1/2	4,793.71	1/2	4,463.16	1/2	4,107.27	1/2	3,731.94	1/2	3,354.05	1/2	2,976.16
3/4		3/4		3/4		3/4		3/4	4,787.04	3/4	4,456.03	3/4	4,099.61	3/4	3,724.07	3/4	3,346.18	3/4	2,968.29
3		3		3		3		3	4,780.37	3	4,448.91	3	4,091.94	3	3,716.19	3	3,338.30	3	2,960.41
1/4		1/4		1/4		1/4		1/4	4,773.70	1/4	4,441.79	1/4	4,084.28	1/4	3,708.32	1/4	3,330.43	1/4	2,952.54
1/2		1/2		1/2		1/2		1/2	4,767.00	1/2	4,434.60	1/2	4,076.58	1/2	3,700.45	1/2	3,322.56	1/2	2,944.67
3/4		3/4		3/4		3/4		3/4	4,760.29	3/4	4,427.42	3/4	4,068.88	3/4	3,692.57	3/4	3,314.69	3/4	2,936.80
4		4		4		4		4	4,753.59	4	4,420.24	4	4,061.17	4	3,684.70	4	3,306.81	4	2,928.92
1/4		1/4		1/4		1/4		1/4	4,746.88	1/4	4,413.06	1/4	4,053.47	1/4	3,676.83	1/4	3,298.94	1/4	2,921.05
1/2		1/2		1/2		1/2		1/2	4,740.14	1/2	4,405.79	1/2	4,045.73	1/2	3,668.96	1/2	3,291.07	1/2	2,913.18
3/4		3/4		3/4		3/4		3/4	4,733.39	3/4	4,398.53	3/4	4,037.99	3/4	3,661.08	3/4	3,283.19	3/4	2,905.30
5		5		5		5		5	4,726.65	5	4,391.27	5	4,030.25	5	3,653.21	5	3,275.32	5	2,897.43
1/4		1/4		1/4		1/4		1/4	4,719.90	1/4	4,384.00	1/4	4,022.51	1/4	3,645.34	1/4	3,267.45	1/4	2,889.56
1/2		1/2		1/2		1/2		1/2	4,713.12	1/2	4,376.68	1/2	4,014.74	1/2	3,637.47	1/2	3,259.58	1/2	2,881.69
3/4		3/4		3/4		3/4		3/4	4,706.34	3/4	4,369.36	3/4	4,006.96	3/4	3,629.59	3/4	3,251.70	3/4	2,873.81
6		6		6		6		6	4,699.56	6	4,362.04	6	3,999.18	6	3,621.72	6	3,243.83	6	2,865.94
1/4		1/4		1/4		1/4		1/4	4,692.78	1/4	4,354.71	1/4	3,991.40	1/4	3,613.85	1/4	3,235.96	1/4	2,858.07
1/2		1/2		1/2		1/2		1/2	4,685.96	1/2	4,347.35	1/2	3,983.59	1/2	3,605.98	1/2	3,228.09	1/2	2,850.20
3/4		3/4		3/4		3/4		3/4	4,679.14	3/4	4,339.99	3/4	3,975.77	3/4	3,598.10	3/4	3,220.21	3/4	2,842.32
7		7		7		7		7	4,672.32	7	4,332.63	7	3,967.95	7	3,590.23	7	3,212.34	7	2,834.45
1/4		1/4		1/4		1/4		1/4	4,665.50	1/4	4,325.27	1/4	3,960.14	1/4	3,582.36	1/4	3,204.47	1/4	2,826.58
1/2		1/2		1/2		1/2		1/2	4,658.64	1/2	4,317.88	1/2	3,952.29	1/2	3,574.48	1/2	3,196.59	1/2	2,818.71
3/4		3/4		3/4		3/4		3/4	4,651.78	3/4	4,310.48	3/4	3,944.44	3/4	3,566.61	3/4	3,188.72	3/4	2,810.83
8		8		8		8		8	4,644.92	8	4,303.08	8	3,936.59	8	3,558.74	8	3,180.85	8	2,802.96
1/4		1/4		1/4		1/4	4,968.75	1/4	4,638.06	1/4	4,295.68	1/4	3,928.74	1/4	3,550.87	1/4	3,172.98	1/4	2,795.09
1/2		1/2		1/2		1/2	4,963.26	1/2	4,631.17	1/2	4,288.24	1/2	3,920.87	1/2	3,542.99	1/2	3,165.10	1/2	2,787.21
3/4		3/4		3/4		3/4	4,957.77	3/4	4,624.27	3/4	4,280.81	3/4	3,913.00	3/4	3,535.12	3/4	3,157.23	3/4	2,779.34
9		9		9		9	4,952.28	9	4,617.38	9	4,273.37	9	3,905.13	9	3,527.25	9	3,149.36	9	2,771.47
1/4		1/4		1/4		1/4	4,946.79	1/4	4,610.48	1/4	4,265.94	1/4	3,897.26	1/4	3,519.38	1/4	3,141.49	1/4	2,763.60
1/2		1/2		1/2		1/2	4,940.00	1/2	4,603.55	1/2	4,258.46	1/2	3,889.39	1/2	3,511.50	1/2	3,133.61	1/2	2,755.72
3/4		3/4		3/4		3/4	4,933.22	3/4	4,596.61	3/4	4,250.99	3/4	3,881.52	3/4	3,503.63	3/4	3,125.74	3/4	2,747.85
10		10		10		10	4,926.44	10	4,589.68	10	4,243.51	10	3,873.65	10	3,495.76	10	3,117.87	10	2,739.98
1/4		1/4		1/4		1/4	4,919.65	1/4	4,582.74	1/4	4,236.04	1/4	3,865.77	1/4	3,487.88	1/4	3,109.99	1/4	2,732.11
1/2		1/2		1/2		1/2	4,912.05	1/2	4,575.77	1/2	4,228.53	1/2	3,857.90	1/2	3,480.01	1/2	3,102.12	1/2	2,724.23
3/4		3/4		3/4		3/4	4,904.45	3/4	4,568.80	3/4	4,221.02	3/4	3,850.03	3/4	3,472.14	3/4	3,094.25	3/4	2,716.36
11		11		11		11	4,896.84	11	4,561.83	11	4,213.50	11	3,842.16	11	3,464.27	11	3,086.38	11	2,708.49
1/4		1/4		1/4		1/4	4,889.24	1/4	4,554.86	1/4	4,205.99	1/4	3,834.28	1/4	3,456.39	1/4	3,078.50	1/4	2,700.61
1/2		1/2		1/2		1/2	4,881.45	1/2	4,547.85	1/2	4,198.44	1/2	3,826.41	1/2	3,448.52	1/2	3,070.63	1/2	2,692.74
3/4		3/4		3/4		3/4	4,873.67	3/4	4,540.84	3/4	4,190.89	3/4	3,818.54	3/4	3,440.65	3/4	3,062.76	3/4	2,684.87

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 49'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "KIRBY 27771"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,677.00	0	2,299.11	0	1,921.22	0	1,543.31	0	1,166.24	0	790.66	0	421.11	0	88.44	0		0	
1/4	2,669.12	1/4	2,291.23	1/4	1,913.34	1/4	1,535.44	1/4	1,158.41	1/4	782.78	1/4	413.68	1/4	82.75	1/4		1/4	
1/2	2,661.25	1/2	2,283.36	1/2	1,905.47	1/2	1,527.57	1/2	1,150.59	1/2	774.91	1/2	406.15	1/2	77.18	1/2		1/2	
3/4	2,653.38	3/4	2,275.49	3/4	1,897.60	3/4	1,519.69	3/4	1,142.77	3/4	767.04	3/4	398.61	3/4	71.60	3/4		3/4	
1	2,645.51	1	2,267.62	1	1,889.72	1	1,511.82	1	1,134.96	1	759.16	1	391.07	1	66.03	1		1	
1/4	2,637.63	1/4	2,259.74	1/4	1,881.85	1/4	1,503.95	1/4	1,127.14	1/4	751.29	1/4	383.53	1/4	60.46	1/4		1/4	
1/2	2,629.76	1/2	2,251.87	1/2	1,873.98	1/2	1,496.09	1/2	1,119.32	1/2	743.42	1/2	376.10	1/2	54.56	1/2		1/2	
3/4	2,621.89	3/4	2,244.00	3/4	1,866.11	3/4	1,488.23	3/4	1,111.51	3/4	735.54	3/4	368.67	3/4	48.66	3/4		3/4	
2	2,614.01	2	2,236.13	2	1,858.23	2	1,480.37	2	1,103.69	2	727.67	2	361.24	2	42.76	2		2	
1/4	2,606.14	1/4	2,228.25	1/4	1,850.36	1/4	1,472.51	1/4	1,095.88	1/4	719.80	1/4	353.82	1/4	36.87	1/4		1/4	
1/2	2,598.27	1/2	2,220.38	1/2	1,842.49	1/2	1,464.67	1/2	1,088.06	1/2	711.92	1/2	346.49	1/2	31.47	1/2		1/2	
3/4	2,590.40	3/4	2,212.51	3/4	1,834.61	3/4	1,456.82	3/4	1,080.25	3/4	704.05	3/4	339.15	3/4	26.07	3/4		3/4	
3	2,582.52	3	2,204.63	3	1,826.74	3	1,448.97	3	1,072.43	3	696.18	3	331.82	3	20.68	3		3	
1/4	2,574.65	1/4	2,196.76	1/4	1,818.87	1/4	1,441.13	1/4	1,064.62	1/4	688.30	1/4	324.49	1/4	15.28	1/4		1/4	
1/2	2,566.78	1/2	2,188.89	1/2	1,810.99	1/2	1,433.28	1/2	1,056.80	1/2	680.43	1/2	317.25	1/2	11.90	1/2		1/2	
3/4	2,558.91	3/4	2,181.02	3/4	1,803.12	3/4	1,425.44	3/4	1,048.98	3/4	672.56	3/4	310.01	3/4	8.53	3/4		3/4	
4	2,551.03	4	2,173.14	4	1,795.25	4	1,417.59	4	1,041.17	4	664.68	4	302.77	4		4		4	
1/4	2,543.16	1/4	2,165.27	1/4	1,787.38	1/4	1,409.75	1/4	1,033.35	1/4	656.81	1/4	295.53	1/4		1/4		1/4	
1/2	2,535.29	1/2	2,157.40	1/2	1,779.50	1/2	1,401.90	1/2	1,025.54	1/2	648.94	1/2	288.38	1/2		1/2		1/2	
3/4	2,527.42	3/4	2,149.53	3/4	1,771.63	3/4	1,394.06	3/4	1,017.72	3/4	641.06	3/4	281.24	3/4		3/4		3/4	
5	2,519.54	5	2,141.65	5	1,763.76	5	1,386.21	5	1,009.91	5	633.19	5	274.09	5		5		5	
1/4	2,511.67	1/4	2,133.78	1/4	1,755.88	1/4	1,378.37	1/4	1,002.09	1/4	625.32	1/4	266.95	1/4		1/4		1/4	
1/2	2,503.80	1/2	2,125.91	1/2	1,748.01	1/2	1,370.52	1/2	994.28	1/2	617.44	1/2	259.91	1/2		1/2		1/2	
3/4	2,495.92	3/4	2,118.03	3/4	1,740.14	3/4	1,362.67	3/4	986.46	3/4	609.57	3/4	252.87	3/4		3/4		3/4	
6	2,488.05	6	2,110.16	6	1,732.26	6	1,354.83	6	978.65	6	601.70	6	245.82	6		6		6	
1/4	2,480.18	1/4	2,102.29	1/4	1,724.39	1/4	1,346.98	1/4	970.83	1/4	593.82	1/4	238.78	1/4		1/4		1/4	
1/2	2,472.31	1/2	2,094.42	1/2	1,716.52	1/2	1,339.13	1/2	963.02	1/2	585.95	1/2	231.85	1/2		1/2		1/2	
3/4	2,464.43	3/4	2,086.54	3/4	1,708.65	3/4	1,331.29	3/4	955.20	3/4	578.08	3/4	224.91	3/4		3/4		3/4	
7	2,456.56	7	2,078.67	7	1,700.77	7	1,323.44	7	947.38	7	570.20	7	217.97	7		7		7	
1/4	2,448.69	1/4	2,070.80	1/4	1,692.90	1/4	1,315.60	1/4	939.57	1/4	562.33	1/4	211.04	1/4		1/4		1/4	
1/2	2,440.82	1/2	2,062.93	1/2	1,685.03	1/2	1,307.74	1/2	931.75	1/2	554.46	1/2	204.21	1/2		1/2		1/2	
3/4	2,432.94	3/4	2,055.05	3/4	1,677.15	3/4	1,299.88	3/4	923.94	3/4	546.58	3/4	197.38	3/4		3/4		3/4	
8	2,425.07	8	2,047.18	8	1,669.28	8	1,292.02	8	916.12	8	538.71	8	190.56	8		8		8	
1/4	2,417.20	1/4	2,039.31	1/4	1,661.41	1/4	1,284.16	1/4	908.31	1/4	530.83	1/4	183.73	1/4		1/4		1/4	
1/2	2,409.32	1/2	2,031.44	1/2	1,653.53	1/2	1,276.28	1/2	900.49	1/2	523.19	1/2	177.03	1/2		1/2		1/2	
3/4	2,401.45	3/4	2,023.56	3/4	1,645.66	3/4	1,268.41	3/4	892.67	3/4	515.55	3/4	170.32	3/4		3/4		3/4	
9	2,393.58	9	2,015.69	9	1,637.79	9	1,260.54	9	884.86	9	507.91	9	163.61	9		9		9	
1/4	2,385.71	1/4	2,007.82	1/4	1,629.92	1/4	1,252.66	1/4	877.04	1/4	500.27	1/4	156.90	1/4		1/4		1/4	
1/2	2,377.83	1/2	1,999.95	1/2	1,622.04	1/2	1,244.79	1/2	869.21	1/2	493.12	1/2	150.31	1/2		1/2		1/2	
3/4	2,369.96	3/4	1,992.07	3/4	1,614.17	3/4	1,236.92	3/4	861.37	3/4	485.97	3/4	143.72	3/4		3/4		3/4	
10	2,362.09	10	1,984.20	10	1,606.30	10	1,229.04	10	853.54	10	478.82	10	137.12	10		10		10	
1/4	2,354.22	1/4	1,976.33	1/4	1,598.42	1/4	1,221.17	1/4	845.71	1/4	471.67	1/4	130.53	1/4		1/4		1/4	
1/2	2,346.34	1/2	1,968.45	1/2	1,590.55	1/2	1,213.31	1/2	837.85	1/2	464.60	1/2	124.27	1/2		1/2		1/2	
3/4	2,338.47	3/4	1,960.58	3/4	1,582.68	3/4	1,205.45	3/4	829.99	3/4	457.53	3/4	118.02	3/4		3/4		3/4	
11	2,330.60	11	1,952.71	11	1,574.80	11	1,197.59	11	822.14	11	450.46	11	111.76	11		11		11	
1/4	2,322.72	1/4	1,944.84	1/4	1,566.93	1/4	1,189.73	1/4	814.28	1/4	443.39	1/4	105.50	1/4		1/4		1/4	
1/2	2,314.85	1/2	1,936.96	1/2	1,559.06	1/2	1,181.90	1/2	806.40	1/2	435.96	1/2	99.82	1/2		1/2		1/2	
3/4	2,306.98	3/4	1,929.09	3/4	1,551.19	3/4	1,174.07	3/4	798.53	3/4	428.54	3/4	94.13	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2011 CL - SW
CALCULATED: 08/02/2011 CL
PRINTED: 08/02/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "KIRBY 27771"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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		0	4,864.56	0	4,532.68	0	4,182.39	0	3,809.93	0	3,432.25	0	3,054.58
1/4		1/4		1/4		1/4		1/4	4,856.78	1/4	4,525.68	1/4	4,174.84	1/4	3,802.06	1/4	3,424.38	1/4	3,046.71
1/2		1/2		1/2		1/2		1/2	4,849.28	1/2	4,518.63	1/2	4,167.26	1/2	3,794.19	1/2	3,416.52	1/2	3,038.84
3/4		3/4		3/4		3/4		3/4	4,841.79	3/4	4,511.59	3/4	4,159.67	3/4	3,786.32	3/4	3,408.65	3/4	3,030.97
1		1		1		1		1	4,834.30	1	4,504.54	1	4,152.09	1	3,778.45	1	3,400.78	1	3,023.11
1/4		1/4		1/4		1/4		1/4	4,826.80	1/4	4,497.50	1/4	4,144.50	1/4	3,770.59	1/4	3,392.91	1/4	3,015.24
1/2		1/2		1/2		1/2		1/2	4,819.87	1/2	4,490.42	1/2	4,136.88	1/2	3,762.72	1/2	3,385.04	1/2	3,007.37
3/4		3/4		3/4		3/4		3/4	4,812.95	3/4	4,483.33	3/4	4,129.26	3/4	3,754.85	3/4	3,377.18	3/4	2,999.50
2		2		2		2		2	4,806.02	2	4,476.25	2	4,121.64	2	3,746.98	2	3,369.31	2	2,991.63
1/4		1/4		1/4		1/4		1/4	4,799.10	1/4	4,469.17	1/4	4,114.02	1/4	3,739.11	1/4	3,361.44	1/4	2,983.77
1/2		1/2		1/2		1/2		1/2	4,792.43	1/2	4,462.05	1/2	4,106.36	1/2	3,731.24	1/2	3,353.57	1/2	2,975.90
3/4		3/4		3/4		3/4		3/4	4,785.77	3/4	4,454.93	3/4	4,098.70	3/4	3,723.38	3/4	3,345.70	3/4	2,968.03
3		3		3		3		3	4,779.10	3	4,447.81	3	4,091.04	3	3,715.51	3	3,337.83	3	2,960.16
1/4		1/4		1/4		1/4		1/4	4,772.44	1/4	4,440.69	1/4	4,083.38	1/4	3,707.64	1/4	3,329.97	1/4	2,952.29
1/2		1/2		1/2		1/2		1/2	4,765.74	1/2	4,433.51	1/2	4,075.68	1/2	3,699.77	1/2	3,322.10	1/2	2,944.42
3/4		3/4		3/4		3/4		3/4	4,759.03	3/4	4,426.33	3/4	4,067.98	3/4	3,691.90	3/4	3,314.23	3/4	2,936.56
4		4		4		4		4	4,752.33	4	4,419.15	4	4,060.29	4	3,684.04	4	3,306.36	4	2,928.69
1/4		1/4		1/4		1/4		1/4	4,745.63	1/4	4,411.97	1/4	4,052.59	1/4	3,676.17	1/4	3,298.49	1/4	2,920.82
1/2		1/2		1/2		1/2		1/2	4,738.89	1/2	4,404.71	1/2	4,044.85	1/2	3,668.30	1/2	3,290.63	1/2	2,912.95
3/4		3/4		3/4		3/4		3/4	4,732.15	3/4	4,397.46	3/4	4,037.12	3/4	3,660.43	3/4	3,282.76	3/4	2,905.08
5		5		5		5		5	4,725.40	5	4,390.20	5	4,029.38	5	3,652.56	5	3,274.89	5	2,897.22
1/4		1/4		1/4		1/4		1/4	4,718.66	1/4	4,382.94	1/4	4,021.65	1/4	3,644.69	1/4	3,267.02	1/4	2,889.35
1/2		1/2		1/2		1/2		1/2	4,711.89	1/2	4,375.62	1/2	4,013.87	1/2	3,636.83	1/2	3,259.15	1/2	2,881.48
3/4		3/4		3/4		3/4		3/4	4,705.11	3/4	4,368.30	3/4	4,006.10	3/4	3,628.96	3/4	3,251.28	3/4	2,873.61
6		6		6		6		6	4,698.33	6	4,360.98	6	3,998.33	6	3,621.09	6	3,243.42	6	2,865.74
1/4		1/4		1/4		1/4		1/4	4,691.55	1/4	4,353.66	1/4	3,990.55	1/4	3,613.22	1/4	3,235.55	1/4	2,857.87
1/2		1/2		1/2		1/2		1/2	4,684.73	1/2	4,346.31	1/2	3,982.74	1/2	3,605.35	1/2	3,227.68	1/2	2,850.01
3/4		3/4		3/4		3/4		3/4	4,677.92	3/4	4,338.95	3/4	3,974.93	3/4	3,597.48	3/4	3,219.81	3/4	2,842.14
7		7		7		7		7	4,671.10	7	4,331.60	7	3,967.12	7	3,589.62	7	3,211.94	7	2,834.27
1/4		1/4		1/4		1/4		1/4	4,664.28	1/4	4,324.24	1/4	3,959.31	1/4	3,581.75	1/4	3,204.07	1/4	2,826.40
1/2		1/2		1/2		1/2		1/2	4,657.43	1/2	4,316.85	1/2	3,951.46	1/2	3,573.88	1/2	3,196.21	1/2	2,818.53
3/4		3/4		3/4		3/4		3/4	4,650.57	3/4	4,309.45	3/4	3,943.62	3/4	3,566.01	3/4	3,188.34	3/4	2,810.66
8		8		8		8		8	4,643.72	8	4,302.06	8	3,935.78	8	3,558.14	8	3,180.47	8	2,802.80
1/4		1/4		1/4		1/4	4,967.38	1/4	4,636.86	1/4	4,294.66	1/4	3,927.93	1/4	3,550.28	1/4	3,172.60	1/4	2,794.93
1/2		1/2		1/2		1/2	4,961.89	1/2	4,629.97	1/2	4,287.23	1/2	3,920.07	1/2	3,542.41	1/2	3,164.73	1/2	2,787.06
3/4		3/4		3/4		3/4	4,956.40	3/4	4,623.08	3/4	4,279.80	3/4	3,912.20	3/4	3,534.54	3/4	3,156.87	3/4	2,779.19
9		9		9		9	4,950.91	9	4,616.19	9	4,272.37	9	3,904.34	9	3,526.67	9	3,149.00	9	2,771.32
1/4		1/4		1/4		1/4	4,945.42	1/4	4,609.29	1/4	4,264.93	1/4	3,896.48	1/4	3,518.80	1/4	3,141.13	1/4	2,763.46
1/2		1/2		1/2		1/2	4,938.65	1/2	4,602.36	1/2	4,257.46	1/2	3,888.61	1/2	3,510.93	1/2	3,133.26	1/2	2,755.59
3/4		3/4		3/4		3/4	4,931.87	3/4	4,595.43	3/4	4,249.99	3/4	3,880.74	3/4	3,503.07	3/4	3,125.39	3/4	2,747.72
10		10		10		10	4,925.09	10	4,588.50	10	4,242.52	10	3,872.87	10	3,495.20	10	3,117.52	10	2,739.85
1/4		1/4		1/4		1/4	4,918.31	1/4	4,581.57	1/4	4,235.05	1/4	3,865.00	1/4	3,487.33	1/4	3,109.66	1/4	2,731.98
1/2		1/2		1/2		1/2	4,910.71	1/2	4,574.61	1/2	4,227.55	1/2	3,857.14	1/2	3,479.46	1/2	3,101.79	1/2	2,724.11
3/4		3/4		3/4		3/4	4,903.11	3/4	4,567.64	3/4	4,220.04	3/4	3,849.27	3/4	3,471.59	3/4	3,093.92	3/4	2,716.25
11		11		11		11	4,895.51	11	4,560.67	11	4,212.53	11	3,841.40	11	3,463.73	11	3,086.05	11	2,708.38
1/4		1/4		1/4		1/4	4,887.91	1/4	4,553.70	1/4	4,205.02	1/4	3,833.53	1/4	3,455.86	1/4	3,078.18	1/4	2,700.51
1/2		1/2		1/2		1/2	4,880.13	1/2	4,546.69	1/2	4,197.48	1/2	3,825.66	1/2	3,447.99	1/2	3,070.32	1/2	2,692.64
3/4		3/4		3/4		3/4	4,872.35	3/4	4,539.69	3/4	4,189.93	3/4	3,817.79	3/4	3,440.12	3/4	3,062.45	3/4	2,684.77

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 49'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27771"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,676.91	0	2,299.23	0	1,921.55	0	1,543.87	0	1,166.87	0	790.25	0	420.91	0	88.41	0		0	
1/4	2,669.04	1/4	2,291.36	1/4	1,913.69	1/4	1,536.00	1/4	1,159.01	1/4	782.38	1/4	413.49	1/4	82.73	1/4		1/4	
1/2	2,661.17	1/2	2,283.50	1/2	1,905.82	1/2	1,528.13	1/2	1,151.17	1/2	774.51	1/2	405.96	1/2	77.16	1/2		1/2	
3/4	2,653.30	3/4	2,275.63	3/4	1,897.95	3/4	1,520.27	3/4	1,143.33	3/4	766.65	3/4	398.42	3/4	71.59	3/4		3/4	
1	2,645.43	1	2,267.76	1	1,890.08	1	1,512.40	1	1,135.48	1	758.78	1	390.89	1	66.02	1		1	
1/4	2,637.56	1/4	2,259.89	1/4	1,882.21	1/4	1,504.53	1/4	1,127.64	1/4	750.91	1/4	383.35	1/4	60.45	1/4		1/4	
1/2	2,629.70	1/2	2,252.02	1/2	1,874.34	1/2	1,496.67	1/2	1,119.80	1/2	743.04	1/2	375.93	1/2	54.55	1/2		1/2	
3/4	2,621.83	3/4	2,244.15	3/4	1,866.47	3/4	1,488.82	3/4	1,111.96	3/4	735.17	3/4	368.51	3/4	48.65	3/4		3/4	
2	2,613.96	2	2,236.29	2	1,858.61	2	1,480.96	2	1,104.12	2	727.30	2	361.08	2	42.76	2		2	
1/4	2,606.09	1/4	2,228.42	1/4	1,850.74	1/4	1,473.11	1/4	1,096.28	1/4	719.43	1/4	353.66	1/4	36.86	1/4		1/4	
1/2	2,598.22	1/2	2,220.55	1/2	1,842.87	1/2	1,465.27	1/2	1,088.44	1/2	711.56	1/2	346.33	1/2	31.47	1/2		1/2	
3/4	2,590.36	3/4	2,212.68	3/4	1,835.00	3/4	1,457.43	3/4	1,080.60	3/4	703.70	3/4	339.00	3/4	26.07	3/4		3/4	
3	2,582.49	3	2,204.81	3	1,827.13	3	1,449.59	3	1,072.76	3	695.83	3	331.68	3	20.68	3		3	
1/4	2,574.62	1/4	2,196.95	1/4	1,819.26	1/4	1,441.75	1/4	1,064.92	1/4	687.96	1/4	324.35	1/4	15.28	1/4		1/4	
1/2	2,566.75	1/2	2,189.08	1/2	1,811.40	1/2	1,433.91	1/2	1,057.08	1/2	680.09	1/2	317.11	1/2	11.91	1/2		1/2	
3/4	2,558.88	3/4	2,181.21	3/4	1,803.53	3/4	1,426.06	3/4	1,049.24	3/4	672.22	3/4	309.87	3/4	8.54	3/4		3/4	
4	2,551.01	4	2,173.34	4	1,795.66	4	1,418.22	4	1,041.40	4	664.35	4	302.64	4		4		4	
1/4	2,543.15	1/4	2,165.47	1/4	1,787.79	1/4	1,410.38	1/4	1,033.56	1/4	656.48	1/4	295.40	1/4		1/4		1/4	
1/2	2,535.28	1/2	2,157.60	1/2	1,779.92	1/2	1,402.54	1/2	1,025.72	1/2	648.61	1/2	288.26	1/2		1/2		1/2	
3/4	2,527.41	3/4	2,149.74	3/4	1,772.05	3/4	1,394.70	3/4	1,017.88	3/4	640.75	3/4	281.12	3/4		3/4		3/4	
5	2,519.54	5	2,141.87	5	1,764.19	5	1,386.86	5	1,010.04	5	632.88	5	273.98	5		5		5	
1/4	2,511.67	1/4	2,134.00	1/4	1,756.32	1/4	1,379.02	1/4	1,002.20	1/4	625.01	1/4	266.83	1/4		1/4		1/4	
1/2	2,503.81	1/2	2,126.13	1/2	1,748.45	1/2	1,371.18	1/2	994.36	1/2	617.14	1/2	259.80	1/2		1/2		1/2	
3/4	2,495.94	3/4	2,118.26	3/4	1,740.58	3/4	1,363.33	3/4	986.52	3/4	609.27	3/4	252.76	3/4		3/4		3/4	
6	2,488.07	6	2,110.40	6	1,732.71	6	1,355.49	6	978.68	6	601.40	6	245.72	6		6		6	
1/4	2,480.20	1/4	2,102.53	1/4	1,724.84	1/4	1,347.65	1/4	970.84	1/4	593.53	1/4	238.69	1/4		1/4		1/4	
1/2	2,472.33	1/2	2,094.66	1/2	1,716.98	1/2	1,339.81	1/2	963.01	1/2	585.66	1/2	231.75	1/2		1/2		1/2	
3/4	2,464.46	3/4	2,086.79	3/4	1,709.11	3/4	1,331.97	3/4	955.17	3/4	577.79	3/4	224.82	3/4		3/4		3/4	
7	2,456.60	7	2,078.92	7	1,701.24	7	1,324.13	7	947.33	7	569.93	7	217.89	7		7		7	
1/4	2,448.73	1/4	2,071.05	1/4	1,693.37	1/4	1,316.29	1/4	939.49	1/4	562.06	1/4	210.95	1/4		1/4		1/4	
1/2	2,440.86	1/2	2,063.19	1/2	1,685.50	1/2	1,308.43	1/2	931.65	1/2	554.19	1/2	204.13	1/2		1/2		1/2	
3/4	2,432.99	3/4	2,055.32	3/4	1,677.63	3/4	1,300.57	3/4	923.81	3/4	546.32	3/4	197.31	3/4		3/4		3/4	
8	2,425.12	8	2,047.45	8	1,669.76	8	1,292.72	8	915.97	8	538.45	8	190.49	8		8		8	
1/4	2,417.25	1/4	2,039.58	1/4	1,661.90	1/4	1,284.86	1/4	908.13	1/4	530.58	1/4	183.66	1/4		1/4		1/4	
1/2	2,409.39	1/2	2,031.71	1/2	1,654.03	1/2	1,277.00	1/2	900.28	1/2	522.94	1/2	176.96	1/2		1/2		1/2	
3/4	2,401.52	3/4	2,023.84	3/4	1,646.16	3/4	1,269.13	3/4	892.44	3/4	515.31	3/4	170.26	3/4		3/4		3/4	
9	2,393.65	9	2,015.97	9	1,638.29	9	1,261.26	9	884.60	9	507.67	9	163.55	9		9		9	
1/4	2,385.78	1/4	2,008.11	1/4	1,630.42	1/4	1,253.39	1/4	876.76	1/4	500.03	1/4	156.85	1/4		1/4		1/4	
1/2	2,377.91	1/2	2,000.24	1/2	1,622.55	1/2	1,245.52	1/2	868.90	1/2	492.89	1/2	150.26	1/2		1/2		1/2	
3/4	2,370.05	3/4	1,992.37	3/4	1,614.69	3/4	1,237.65	3/4	861.05	3/4	485.74	3/4	143.67	3/4		3/4		3/4	
10	2,362.18	10	1,984.50	10	1,606.82	10	1,229.78	10	853.19	10	478.60	10	137.08	10		10		10	
1/4	2,354.31	1/4	1,976.63	1/4	1,598.95	1/4	1,221.91	1/4	845.33	1/4	471.45	1/4	130.49	1/4		1/4		1/4	
1/2	2,346.44	1/2	1,968.76	1/2	1,591.08	1/2	1,214.04	1/2	837.46	1/2	464.38	1/2	124.23	1/2		1/2		1/2	
3/4	2,338.57	3/4	1,960.90	3/4	1,583.21	3/4	1,206.17	3/4	829.60	3/4	457.31	3/4	117.98	3/4		3/4		3/4	
11	2,330.70	11	1,953.03	11	1,575.34	11	1,198.31	11	821.73	11	450.25	11	111.73	11		11		11	
1/4	2,322.84	1/4	1,945.16	1/4	1,567.48	1/4	1,190.44	1/4	813.86	1/4	443.18	1/4	105.47	1/4		1/4		1/4	
1/2	2,314.97	1/2	1,937.29	1/2	1,559.61	1/2	1,182.58	1/2	805.99	1/2	435.76	1/2	99.79	1/2		1/2		1/2	
3/4	2,307.10	3/4	1,929.42	3/4	1,551.74	3/4	1,174.72	3/4	798.12	3/4	428.34	3/4	94.10	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2011 CL - SW
CALCULATED: 08/02/2011 CL
PRINTED: 08/02/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "KIRBY 27771"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0		0	4,679.44	0	4,364.70	0	4,031.06	0	3,676.48	0	3,317.24	0	2,958.00		
1/4		1/4		1/4		1/4		1/4	4,672.31	1/4	4,358.00	1/4	4,023.84	1/4	3,668.99	1/4	3,309.75	1/4	2,950.52		
1/2		1/2		1/2		1/2		1/2	4,665.19	1/2	4,351.31	1/2	4,016.63	1/2	3,661.51	1/2	3,302.27	1/2	2,943.03		
3/4		3/4		3/4		3/4		3/4	4,658.07	3/4	4,344.61	3/4	4,009.42	3/4	3,654.02	3/4	3,294.79	3/4	2,935.55		
1		1		1		1		1	4,650.94	1	4,337.92	1	4,002.20	1	3,646.54	1	3,287.30	1	2,928.07		
1/4		1/4		1/4		1/4		1/4	4,644.36	1/4	4,331.18	1/4	3,994.95	1/4	3,639.05	1/4	3,279.82	1/4	2,920.58		
1/2		1/2		1/2		1/2		1/2	4,637.77	1/2	4,324.45	1/2	3,987.70	1/2	3,631.57	1/2	3,272.33	1/2	2,913.10		
3/4		3/4		3/4		3/4		3/4	4,631.19	3/4	4,317.72	3/4	3,980.46	3/4	3,624.09	3/4	3,264.85	3/4	2,905.61		
2		2		2		2		2	4,624.61	2	4,310.99	2	3,973.21	2	3,616.60	2	3,257.37	2	2,898.13		
1/4		1/4		1/4		1/4		1/4	4,618.27	1/4	4,304.22	1/4	3,965.92	1/4	3,609.12	1/4	3,249.88	1/4	2,890.64		
1/2		1/2		1/2		1/2		1/2	4,611.94	1/2	4,297.45	1/2	3,958.63	1/2	3,601.63	1/2	3,242.40	1/2	2,883.16		
3/4		3/4		3/4		3/4		3/4	4,605.60	3/4	4,290.68	3/4	3,951.35	3/4	3,594.15	3/4	3,234.91	3/4	2,875.68		
3		3		3		3		3	4,599.27	3	4,283.91	3	3,944.06	3	3,586.67	3	3,227.43	3	2,868.19		
1/4		1/4		1/4		1/4		1/4	4,592.90	1/4	4,277.09	1/4	3,936.74	1/4	3,579.18	1/4	3,219.95	1/4	2,860.71		
1/2		1/2		1/2		1/2		1/2	4,586.52	1/2	4,270.26	1/2	3,929.42	1/2	3,571.70	1/2	3,212.46	1/2	2,853.22		
3/4		3/4		3/4		3/4		3/4	4,580.15	3/4	4,263.44	3/4	3,922.10	3/4	3,564.21	3/4	3,204.98	3/4	2,845.74		
4		4		4		4		4	4,573.78	4	4,256.61	4	3,914.78	4	3,556.73	4	3,197.49	4	2,838.26		
1/4		1/4		1/4		1/4		1/4	4,567.37	1/4	4,249.71	1/4	3,907.42	1/4	3,549.25	1/4	3,190.01	1/4	2,830.77		
1/2		1/2		1/2		1/2		1/2	4,560.97	1/2	4,242.81	1/2	3,900.06	1/2	3,541.76	1/2	3,182.52	1/2	2,823.29		
3/4		3/4		3/4		3/4		3/4	4,554.56	3/4	4,235.90	3/4	3,892.70	3/4	3,534.28	3/4	3,175.04	3/4	2,815.80		
5		5		5		5		5	4,548.15	5	4,229.00	5	3,885.34	5	3,526.79	5	3,167.56	5	2,808.32		
1/4		1/4		1/4		1/4		1/4	4,541.71	1/4	4,222.04	1/4	3,877.95	1/4	3,519.31	1/4	3,160.07	1/4	2,800.84		
1/2		1/2		1/2		1/2		1/2	4,535.26	1/2	4,215.08	1/2	3,870.56	1/2	3,511.82	1/2	3,152.59	1/2	2,793.35		
3/4		3/4		3/4		3/4		3/4	4,528.82	3/4	4,208.11	3/4	3,863.16	3/4	3,504.34	3/4	3,145.10	3/4	2,785.87		
6		6		6		6		6	4,522.38	6	4,201.15	6	3,855.77	6	3,496.86	6	3,137.62	6	2,778.38		
1/4		1/4		1/4		1/4		1/4	4,515.90	1/4	4,194.16	1/4	3,848.34	1/4	3,489.37	1/4	3,130.14	1/4	2,770.90		
1/2		1/2		1/2		1/2		1/2	4,509.42	1/2	4,187.16	1/2	3,840.91	1/2	3,481.89	1/2	3,122.65	1/2	2,763.41		
3/4		3/4		3/4		3/4		3/4	4,502.94	3/4	4,180.16	3/4	3,833.48	3/4	3,474.40	3/4	3,115.17	3/4	2,755.93		
7		7		7		7		7	4,496.46	7	4,173.17	7	3,826.05	7	3,466.92	7	3,107.68	7	2,748.45		
1/4		1/4		1/4		1/4		1/4	4,489.94	1/4	4,166.13	1/4	3,818.59	1/4	3,459.44	1/4	3,100.20	1/4	2,740.96		
1/2		1/2		1/2		1/2		1/2	4,483.43	1/2	4,159.10	1/2	3,811.13	1/2	3,451.95	1/2	3,092.72	1/2	2,733.48		
3/4		3/4		3/4		3/4		3/4	4,476.91	3/4	4,152.07	3/4	3,803.66	3/4	3,444.47	3/4	3,085.23	3/4	2,725.99		
8		8		8		8	4,784.57	8	4,470.40	8	4,145.03	8	3,796.20	8	3,436.98	8	3,077.75	8	2,718.51		
1/4		1/4		1/4		1/4		1/4	4,779.35	1/4	4,463.84	1/4	4,137.96	1/4	3,788.72	1/4	3,429.50	1/4	3,070.26	1/4	2,711.03
1/2		1/2		1/2		1/2		1/2	4,774.14	1/2	4,457.29	1/2	4,130.89	1/2	3,781.24	1/2	3,422.02	1/2	3,062.78	1/2	2,703.54
3/4		3/4		3/4		3/4		3/4	4,768.92	3/4	4,450.74	3/4	4,123.82	3/4	3,773.76	3/4	3,414.53	3/4	3,055.29	3/4	2,696.06
9		9		9		9	4,763.71	9	4,444.19	9	4,116.76	9	3,766.28	9	3,407.05	9	3,047.81	9	2,688.57		
1/4		1/4		1/4		1/4		1/4	4,757.26	1/4	4,437.60	1/4	4,109.65	1/4	3,758.80	1/4	3,399.56	1/4	3,040.33	1/4	2,681.09
1/2		1/2		1/2		1/2		1/2	4,750.82	1/2	4,431.01	1/2	4,102.54	1/2	3,751.32	1/2	3,392.08	1/2	3,032.84	1/2	2,673.61
3/4		3/4		3/4		3/4		3/4	4,744.37	3/4	4,424.42	3/4	4,095.44	3/4	3,743.83	3/4	3,384.60	3/4	3,025.36	3/4	2,666.12
10		10		10		10	4,737.93	10	4,417.84	10	4,088.33	10	3,736.35	10	3,377.11	10	3,017.87	10	2,658.64		
1/4		1/4		1/4		1/4		1/4	4,730.71	1/4	4,411.21	1/4	4,081.19	1/4	3,728.86	1/4	3,369.63	1/4	3,010.39	1/4	2,651.15
1/2		1/2		1/2		1/2		1/2	4,723.48	1/2	4,404.59	1/2	4,074.05	1/2	3,721.38	1/2	3,362.14	1/2	3,002.91	1/2	2,643.67
3/4		3/4		3/4		3/4		3/4	4,716.26	3/4	4,397.96	3/4	4,066.91	3/4	3,713.90	3/4	3,354.66	3/4	2,995.42	3/4	2,636.19
11		11		11		11	4,709.04	11	4,391.34	11	4,059.77	11	3,706.41	11	3,347.17	11	2,987.94	11	2,628.70		
1/4		1/4		1/4		1/4		1/4	4,701.64	1/4	4,384.68	1/4	4,052.59	1/4	3,698.93	1/4	3,339.69	1/4	2,980.45	1/4	2,621.22
1/2		1/2		1/2		1/2		1/2	4,694.24	1/2	4,378.02	1/2	4,045.41	1/2	3,691.44	1/2	3,332.21	1/2	2,972.97	1/2	2,613.73
3/4		3/4		3/4		3/4		3/4	4,686.84	3/4	4,371.36	3/4	4,038.24	3/4	3,683.96	3/4	3,324.72	3/4	2,965.49	3/4	2,606.25

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 49'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27771"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,598.76	0	2,239.53	0	1,880.29	0	1,521.04	0	1,167.52	0	823.20	0	471.04	0	116.15	0		0	
1/4	2,591.28	1/4	2,232.04	1/4	1,872.80	1/4	1,513.64	1/4	1,160.37	1/4	815.72	1/4	463.58	1/4	109.37	1/4		1/4	
1/2	2,583.80	1/2	2,224.56	1/2	1,865.32	1/2	1,506.23	1/2	1,153.21	1/2	808.24	1/2	456.11	1/2	102.59	1/2		1/2	
3/4	2,576.31	3/4	2,217.08	3/4	1,857.83	3/4	1,498.83	3/4	1,146.06	3/4	800.75	3/4	448.65	3/4	95.81	3/4		3/4	
1	2,568.83	1	2,209.59	1	1,850.35	1	1,491.43	1	1,138.90	1	793.27	1	441.19	1	89.04	1		1	
1/4	2,561.34	1/4	2,202.11	1/4	1,842.87	1/4	1,484.10	1/4	1,131.74	1/4	785.78	1/4	433.73	1/4	81.85	1/4		1/4	
1/2	2,553.86	1/2	2,194.62	1/2	1,835.38	1/2	1,476.78	1/2	1,124.59	1/2	778.30	1/2	426.28	1/2	74.66	1/2		1/2	
3/4	2,546.38	3/4	2,187.14	3/4	1,827.90	3/4	1,469.46	3/4	1,117.44	3/4	770.81	3/4	418.82	3/4	67.47	3/4		3/4	
2	2,538.89	2	2,179.66	2	1,820.41	2	1,462.14	2	1,110.28	2	763.33	2	411.37	2	60.28	2		2	
1/4	2,531.41	1/4	2,172.17	1/4	1,812.93	1/4	1,454.82	1/4	1,103.13	1/4	755.84	1/4	403.91	1/4	53.47	1/4		1/4	
1/2	2,523.92	1/2	2,164.69	1/2	1,805.44	1/2	1,447.49	1/2	1,095.97	1/2	748.36	1/2	396.44	1/2	46.66	1/2		1/2	
3/4	2,516.44	3/4	2,157.20	3/4	1,797.96	3/4	1,440.17	3/4	1,088.82	3/4	740.87	3/4	388.98	3/4	39.85	3/4		3/4	
3	2,508.96	3	2,149.72	3	1,790.48	3	1,432.85	3	1,081.67	3	733.39	3	381.52	3	33.04	3		3	
1/4	2,501.47	1/4	2,142.23	1/4	1,782.99	1/4	1,425.53	1/4	1,074.51	1/4	725.90	1/4	374.04	1/4	28.05	1/4		1/4	
1/2	2,493.99	1/2	2,134.75	1/2	1,775.51	1/2	1,418.21	1/2	1,067.36	1/2	718.42	1/2	366.57	1/2	23.06	1/2		1/2	
3/4	2,486.50	3/4	2,127.27	3/4	1,768.02	3/4	1,410.88	3/4	1,060.20	3/4	710.94	3/4	359.09	3/4		3/4		3/4	
4	2,479.02	4	2,119.78	4	1,760.54	4	1,403.56	4	1,053.05	4	703.45	4	351.61	4		4		4	
1/4	2,471.54	1/4	2,112.30	1/4	1,753.05	1/4	1,396.24	1/4	1,045.89	1/4	695.97	1/4	344.13	1/4		1/4		1/4	
1/2	2,464.05	1/2	2,104.81	1/2	1,745.57	1/2	1,388.92	1/2	1,038.74	1/2	688.48	1/2	336.65	1/2		1/2		1/2	
3/4	2,456.57	3/4	2,097.33	3/4	1,738.09	3/4	1,381.59	3/4	1,031.59	3/4	681.00	3/4	329.16	3/4		3/4		3/4	
5	2,449.08	5	2,089.85	5	1,730.60	5	1,374.27	5	1,024.43	5	673.51	5	321.68	5		5		5	
1/4	2,441.60	1/4	2,082.36	1/4	1,723.12	1/4	1,366.95	1/4	1,017.28	1/4	666.03	1/4	314.19	1/4		1/4		1/4	
1/2	2,434.11	1/2	2,074.88	1/2	1,715.63	1/2	1,359.63	1/2	1,010.12	1/2	658.54	1/2	306.71	1/2		1/2		1/2	
3/4	2,426.63	3/4	2,067.39	3/4	1,708.15	3/4	1,352.30	3/4	1,002.97	3/4	651.06	3/4	299.23	3/4		3/4		3/4	
6	2,419.15	6	2,059.91	6	1,700.66	6	1,344.98	6	995.82	6	643.57	6	291.74	6		6		6	
1/4	2,411.66	1/4	2,052.43	1/4	1,693.18	1/4	1,337.58	1/4	988.66	1/4	636.09	1/4	284.26	1/4		1/4		1/4	
1/2	2,404.18	1/2	2,044.94	1/2	1,685.69	1/2	1,330.17	1/2	981.51	1/2	628.60	1/2	276.77	1/2		1/2		1/2	
3/4	2,396.69	3/4	2,037.46	3/4	1,678.21	3/4	1,322.77	3/4	974.35	3/4	621.12	3/4	269.29	3/4		3/4		3/4	
7	2,389.21	7	2,029.97	7	1,670.73	7	1,315.36	7	967.20	7	613.63	7	261.81	7		7		7	
1/4	2,381.73	1/4	2,022.49	1/4	1,663.24	1/4	1,307.88	1/4	960.04	1/4	606.15	1/4	254.33	1/4		1/4		1/4	
1/2	2,374.24	1/2	2,015.00	1/2	1,655.76	1/2	1,300.39	1/2	952.89	1/2	598.66	1/2	246.85	1/2		1/2		1/2	
3/4	2,366.76	3/4	2,007.52	3/4	1,648.27	3/4	1,292.91	3/4	945.74	3/4	591.18	3/4	239.38	3/4		3/4		3/4	
8	2,359.27	8	2,000.04	8	1,640.79	8	1,285.42	8	938.58	8	583.69	8	231.90	8		8		8	
1/4	2,351.79	1/4	1,992.55	1/4	1,633.30	1/4	1,277.94	1/4	931.43	1/4	576.43	1/4	224.44	1/4		1/4		1/4	
1/2	2,344.31	1/2	1,985.07	1/2	1,625.82	1/2	1,270.45	1/2	924.27	1/2	569.16	1/2	216.98	1/2		1/2		1/2	
3/4	2,336.82	3/4	1,977.58	3/4	1,618.34	3/4	1,262.97	3/4	917.11	3/4	561.90	3/4	209.52	3/4		3/4		3/4	
9	2,329.34	9	1,970.10	9	1,610.85	9	1,255.48	9	909.96	9	554.64	9	202.05	9		9		9	
1/4	2,321.85	1/4	1,962.61	1/4	1,603.37	1/4	1,248.00	1/4	902.79	1/4	547.82	1/4	194.60	1/4		1/4		1/4	
1/2	2,314.37	1/2	1,955.13	1/2	1,595.88	1/2	1,240.51	1/2	895.62	1/2	540.99	1/2	187.15	1/2		1/2		1/2	
3/4	2,306.88	3/4	1,947.65	3/4	1,588.40	3/4	1,233.03	3/4	888.44	3/4	534.17	3/4	179.70	3/4		3/4		3/4	
10	2,299.40	10	1,940.16	10	1,580.91	10	1,225.54	10	881.27	10	527.35	10	172.25	10		10		10	
1/4	2,291.92	1/4	1,932.68	1/4	1,573.43	1/4	1,218.21	1/4	874.09	1/4	520.53	1/4	165.01	1/4		1/4		1/4	
1/2	2,284.43	1/2	1,925.19	1/2	1,565.95	1/2	1,210.88	1/2	866.91	1/2	513.71	1/2	157.78	1/2		1/2		1/2	
3/4	2,276.95	3/4	1,917.71	3/4	1,558.46	3/4	1,203.54	3/4	859.72	3/4	506.89	3/4	150.55	3/4		3/4		3/4	
11	2,269.46	11	1,910.22	11	1,550.98	11	1,196.21	11	852.54	11	500.06	11	143.32	11		11		11	
1/4	2,261.98	1/4	1,902.74	1/4	1,543.49	1/4	1,189.04	1/4	845.21	1/4	492.81	1/4	136.53	1/4		1/4		1/4	
1/2	2,254.50	1/2	1,895.26	1/2	1,536.01	1/2	1,181.87	1/2	837.87	1/2	485.55	1/2	129.74	1/2		1/2		1/2	
3/4	2,247.01	3/4	1,887.77	3/4	1,528.52	3/4	1,174.70	3/4	830.54	3/4	478.29	3/4	122.94	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2011 CL - SW
CALCULATED: 08/02/2011 CL
PRINTED: 08/02/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "KIRBY 27771"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,704.73	0	4,389.13	0	4,055.86	0	3,701.41	0	3,342.00	0	2,982.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,697.32	1/4	4,382.46	1/4	4,048.68	1/4	3,693.92	1/4	3,334.51	1/4	2,975.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,690.19	1/2	4,375.77	1/2	4,041.46	1/2	3,686.43	1/2	3,327.02	1/2	2,967.62		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,683.07	3/4	4,369.07	3/4	4,034.25	3/4	3,678.95	3/4	3,319.54	3/4	2,960.13		
1		1		1		1		1	4,675.94	1	4,362.37	1	4,027.03	1	3,671.46	1	3,312.05	1	2,952.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,668.81	1/4	4,355.67	1/4	4,019.81	1/4	3,663.97	1/4	3,304.56	1/4	2,945.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,662.23	1/2	4,348.93	1/2	4,012.56	1/2	3,656.48	1/2	3,297.07	1/2	2,937.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,655.64	3/4	4,342.20	3/4	4,005.31	3/4	3,649.00	3/4	3,289.59	3/4	2,930.18		
2		2		2		2		2	4,649.05	2	4,335.46	2	3,998.05	2	3,641.51	2	3,282.10	2	2,922.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,642.47	1/4	4,328.73	1/4	3,990.80	1/4	3,634.02	1/4	3,274.61	1/4	2,915.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,636.13	1/2	4,321.96	1/2	3,983.51	1/2	3,626.53	1/2	3,267.12	1/2	2,907.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,629.79	3/4	4,315.19	3/4	3,976.22	3/4	3,619.05	3/4	3,259.64	3/4	2,900.23		
3		3		3		3		3	4,623.46	3	4,308.42	3	3,968.93	3	3,611.56	3	3,252.15	3	2,892.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,617.12	1/4	4,301.65	1/4	3,961.64	1/4	3,604.07	1/4	3,244.66	1/4	2,885.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,610.74	1/2	4,294.82	1/2	3,954.32	1/2	3,596.58	1/2	3,237.17	1/2	2,877.76		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,604.37	3/4	4,287.99	3/4	3,946.99	3/4	3,589.09	3/4	3,229.68	3/4	2,870.28		
4		4		4		4		4	4,598.00	4	4,281.16	4	3,939.67	4	3,581.61	4	3,222.20	4	2,862.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,591.62	1/4	4,274.33	1/4	3,932.34	1/4	3,574.12	1/4	3,214.71	1/4	2,855.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,585.21	1/2	4,267.43	1/2	3,924.98	1/2	3,566.63	1/2	3,207.22	1/2	2,847.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,578.80	3/4	4,260.52	3/4	3,917.62	3/4	3,559.14	3/4	3,199.73	3/4	2,840.32		
5		5		5		5		5	4,572.39	5	4,253.61	5	3,910.26	5	3,551.66	5	3,192.25	5	2,832.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,565.98	1/4	4,246.71	1/4	3,902.90	1/4	3,544.17	1/4	3,184.76	1/4	2,825.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,559.54	1/2	4,239.74	1/2	3,895.50	1/2	3,536.68	1/2	3,177.27	1/2	2,817.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,553.09	3/4	4,232.78	3/4	3,888.10	3/4	3,529.19	3/4	3,169.78	3/4	2,810.37		
6		6		6		6		6	4,546.65	6	4,225.81	6	3,880.71	6	3,521.71	6	3,162.30	6	2,802.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,540.20	1/4	4,218.85	1/4	3,873.31	1/4	3,514.22	1/4	3,154.81	1/4	2,795.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,533.72	1/2	4,211.85	1/2	3,865.87	1/2	3,506.73	1/2	3,147.32	1/2	2,787.91		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,527.24	3/4	4,204.85	3/4	3,858.44	3/4	3,499.24	3/4	3,139.83	3/4	2,780.42		
7		7		7		7		7	4,520.75	7	4,197.85	7	3,851.01	7	3,491.75	7	3,132.34	7	2,772.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,514.27	1/4	4,190.85	1/4	3,843.57	1/4	3,484.27	1/4	3,124.86	1/4	2,765.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,507.75	1/2	4,183.81	1/2	3,836.11	1/2	3,476.78	1/2	3,117.37	1/2	2,757.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,501.24	3/4	4,176.78	3/4	3,828.64	3/4	3,469.29	3/4	3,109.88	3/4	2,750.47		
8		8		8		8		8	4,494.72	8	4,169.74	8	3,821.18	8	3,461.80	8	3,102.39	8	2,742.98		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,802.52	1/4	4,488.20	1/4	4,162.70	1/4	3,813.71	1/4	3,454.32	1/4	3,094.91	1/4	2,735.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,797.30	1/2	4,481.65	1/2	4,155.63	1/2	3,806.23	1/2	3,446.83	1/2	3,087.42	1/2	2,728.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,792.08	3/4	4,475.09	3/4	4,148.56	3/4	3,798.74	3/4	3,439.34	3/4	3,079.93	3/4	2,720.52
9		9		9		9		9	4,786.86	9	4,468.54	9	4,141.49	9	3,791.26	9	3,431.85	9	3,072.44	9	2,713.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,781.64	1/4	4,461.98	1/4	4,134.41	1/4	3,783.77	1/4	3,424.36	1/4	3,064.96	1/4	2,705.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,775.19	1/2	4,455.39	1/2	4,127.31	1/2	3,776.29	1/2	3,416.88	1/2	3,057.47	1/2	2,698.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,768.74	3/4	4,448.80	3/4	4,120.20	3/4	3,768.80	3/4	3,409.39	3/4	3,049.98	3/4	2,690.57
10		10		10		10		10	4,762.30	10	4,442.21	10	4,113.09	10	3,761.31	10	3,401.90	10	3,042.49	10	2,683.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,755.85	1/4	4,435.62	1/4	4,105.98	1/4	3,753.82	1/4	3,394.41	1/4	3,035.00	1/4	2,675.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,748.62	1/2	4,428.99	1/2	4,098.84	1/2	3,746.34	1/2	3,386.93	1/2	3,027.52	1/2	2,668.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,741.39	3/4	4,422.37	3/4	4,091.69	3/4	3,738.85	3/4	3,379.44	3/4	3,020.03	3/4	2,660.62
11		11		11		11		11	4,734.16	11	4,415.74	11	4,084.55	11	3,731.36	11	3,371.95	11	3,012.54	11	2,653.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,726.94	1/4	4,409.11	1/4	4,077.40	1/4	3,723.87	1/4	3,364.46	1/4	3,005.05	1/4	2,645.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,719.53	1/2	4,402.45	1/2	4,070.22	1/2	3,716.39	1/2	3,356.98	1/2	2,997.57	1/2	2,638.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,712.13	3/4	4,395.79	3/4	4,063.04	3/4	3,708.90	3/4	3,349.49	3/4	2,990.08	3/4	2,630.67

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 49'-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 27771"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,623.18	0	2,263.77	0	1,904.36	0	1,544.94	0	1,189.43	0	831.08	0	478.52	0	123.00	0		0	
1/4	2,615.69	1/4	2,256.28	1/4	1,896.87	1/4	1,537.45	1/4	1,181.96	1/4	823.60	1/4	471.26	1/4	116.21	1/4		1/4	
1/2	2,608.21	1/2	2,248.80	1/2	1,889.38	1/2	1,530.04	1/2	1,174.49	1/2	816.11	1/2	463.80	1/2	109.42	1/2		1/2	
3/4	2,600.72	3/4	2,241.31	3/4	1,881.89	3/4	1,522.64	3/4	1,167.03	3/4	808.62	3/4	456.33	3/4	102.64	3/4		3/4	
1	2,593.23	1	2,233.82	1	1,874.40	1	1,515.23	1	1,159.57	1	801.13	1	448.86	1	95.86	1		1	
1/4	2,585.74	1/4	2,226.33	1/4	1,866.92	1/4	1,507.82	1/4	1,152.11	1/4	793.64	1/4	441.40	1/4	89.08	1/4		1/4	
1/2	2,578.25	1/2	2,218.85	1/2	1,859.43	1/2	1,500.50	1/2	1,144.65	1/2	786.15	1/2	433.94	1/2	81.89	1/2		1/2	
3/4	2,570.77	3/4	2,211.36	3/4	1,851.94	3/4	1,493.17	3/4	1,137.19	3/4	778.67	3/4	426.48	3/4	74.69	3/4		3/4	
2	2,563.28	2	2,203.87	2	1,844.45	2	1,485.85	2	1,129.73	2	771.18	2	419.02	2	67.50	2		2	
1/4	2,555.79	1/4	2,196.38	1/4	1,836.97	1/4	1,478.52	1/4	1,122.27	1/4	763.69	1/4	411.56	1/4	60.31	1/4		1/4	
1/2	2,548.30	1/2	2,188.89	1/2	1,829.48	1/2	1,471.19	1/2	1,114.82	1/2	756.20	1/2	404.10	1/2	53.50	1/2		1/2	
3/4	2,540.82	3/4	2,181.41	3/4	1,821.99	3/4	1,463.87	3/4	1,107.36	3/4	748.71	3/4	396.63	3/4	46.68	3/4		3/4	
3	2,533.33	3	2,173.92	3	1,814.50	3	1,456.54	3	1,099.90	3	741.22	3	389.17	3	39.87	3		3	
1/4	2,525.84	1/4	2,166.43	1/4	1,807.01	1/4	1,449.22	1/4	1,092.44	1/4	733.74	1/4	381.70	1/4	33.05	1/4		1/4	
1/2	2,518.35	1/2	2,158.94	1/2	1,799.53	1/2	1,441.89	1/2	1,084.98	1/2	726.25	1/2	374.22	1/2	28.07	1/2		1/2	
3/4	2,510.87	3/4	2,151.46	3/4	1,792.04	3/4	1,434.57	3/4	1,077.52	3/4	718.76	3/4	366.74	3/4	23.08	3/4		3/4	
4	2,503.38	4	2,143.97	4	1,784.55	4	1,427.24	4	1,070.06	4	711.27	4	359.26	4		4		4	
1/4	2,495.89	1/4	2,136.48	1/4	1,777.06	1/4	1,419.91	1/4	1,062.60	1/4	703.78	1/4	351.78	1/4		1/4		1/4	
1/2	2,488.40	1/2	2,128.99	1/2	1,769.57	1/2	1,412.59	1/2	1,055.14	1/2	696.29	1/2	344.29	1/2		1/2		1/2	
3/4	2,480.91	3/4	2,121.51	3/4	1,762.09	3/4	1,405.26	3/4	1,047.68	3/4	688.81	3/4	336.80	3/4		3/4		3/4	
5	2,473.43	5	2,114.02	5	1,754.60	5	1,397.94	5	1,040.22	5	681.32	5	329.32	5		5		5	
1/4	2,465.94	1/4	2,106.53	1/4	1,747.11	1/4	1,390.61	1/4	1,032.76	1/4	673.83	1/4	321.83	1/4		1/4		1/4	
1/2	2,458.45	1/2	2,099.04	1/2	1,739.62	1/2	1,383.29	1/2	1,025.30	1/2	666.34	1/2	314.34	1/2		1/2		1/2	
3/4	2,450.96	3/4	2,091.55	3/4	1,732.13	3/4	1,375.96	3/4	1,017.84	3/4	658.85	3/4	306.85	3/4		3/4		3/4	
6	2,443.48	6	2,084.07	6	1,724.65	6	1,368.63	6	1,010.38	6	651.36	6	299.37	6		6		6	
1/4	2,435.99	1/4	2,076.58	1/4	1,717.16	1/4	1,361.31	1/4	1,002.92	1/4	643.87	1/4	291.88	1/4		1/4		1/4	
1/2	2,428.50	1/2	2,069.09	1/2	1,709.67	1/2	1,353.90	1/2	995.46	1/2	636.39	1/2	284.39	1/2		1/2		1/2	
3/4	2,421.01	3/4	2,061.60	3/4	1,702.18	3/4	1,346.49	3/4	988.01	3/4	628.90	3/4	276.90	3/4		3/4		3/4	
7	2,413.53	7	2,054.12	7	1,694.70	7	1,339.08	7	980.55	7	621.41	7	269.42	7		7		7	
1/4	2,406.04	1/4	2,046.63	1/4	1,687.21	1/4	1,331.68	1/4	973.09	1/4	613.92	1/4	261.93	1/4		1/4		1/4	
1/2	2,398.55	1/2	2,039.14	1/2	1,679.72	1/2	1,324.19	1/2	965.63	1/2	606.43	1/2	254.45	1/2		1/2		1/2	
3/4	2,391.06	3/4	2,031.65	3/4	1,672.23	3/4	1,316.70	3/4	958.17	3/4	598.94	3/4	246.97	3/4		3/4		3/4	
8	2,383.57	8	2,024.17	8	1,664.74	8	1,309.21	8	950.71	8	591.45	8	239.49	8		8		8	
1/4	2,376.09	1/4	2,016.68	1/4	1,657.26	1/4	1,301.72	1/4	943.25	1/4	583.97	1/4	232.01	1/4		1/4		1/4	
1/2	2,368.60	1/2	2,009.19	1/2	1,649.77	1/2	1,294.23	1/2	935.79	1/2	576.70	1/2	224.54	1/2		1/2		1/2	
3/4	2,361.11	3/4	2,001.70	3/4	1,642.28	3/4	1,286.75	3/4	928.33	3/4	569.43	3/4	217.08	3/4		3/4		3/4	
9	2,353.62	9	1,994.21	9	1,634.79	9	1,279.26	9	920.87	9	562.16	9	209.61	9		9		9	
1/4	2,346.14	1/4	1,986.72	1/4	1,627.30	1/4	1,271.77	1/4	913.40	1/4	554.90	1/4	202.15	1/4		1/4		1/4	
1/2	2,338.65	1/2	1,979.24	1/2	1,619.82	1/2	1,264.28	1/2	905.93	1/2	548.07	1/2	194.69	1/2		1/2		1/2	
3/4	2,331.16	3/4	1,971.75	3/4	1,612.33	3/4	1,256.79	3/4	898.45	3/4	541.25	3/4	187.24	3/4		3/4		3/4	
10	2,323.67	10	1,964.26	10	1,604.84	10	1,249.30	10	890.98	10	534.42	10	179.78	10		10		10	
1/4	2,316.19	1/4	1,956.77	1/4	1,597.35	1/4	1,241.81	1/4	883.50	1/4	527.60	1/4	172.32	1/4		1/4		1/4	
1/2	2,308.70	1/2	1,949.28	1/2	1,589.86	1/2	1,234.33	1/2	876.01	1/2	520.77	1/2	165.09	1/2		1/2		1/2	
3/4	2,301.21	3/4	1,941.80	3/4	1,582.38	3/4	1,226.84	3/4	868.53	3/4	513.95	3/4	157.85	3/4		3/4		3/4	
11	2,293.72	11	1,934.31	11	1,574.89	11	1,219.35	11	861.04	11	507.13	11	150.62	11		11		11	
1/4	2,286.23	1/4	1,926.82	1/4	1,567.40	1/4	1,211.86	1/4	853.55	1/4	500.30	1/4	143.38	1/4		1/4		1/4	
1/2	2,278.75	1/2	1,919.33	1/2	1,559.91	1/2	1,204.38	1/2	846.06	1/2	493.04	1/2	136.59	1/2		1/2		1/2	
3/4	2,271.26	3/4	1,911.84	3/4	1,552.43	3/4	1,196.91	3/4	838.57	3/4	485.78	3/4	129.80	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2011 CL - SW
CALCULATED: 08/02/2011 CL
PRINTED: 08/02/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "KIRBY 27771"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	3,970.58	0	3,805.03	0	3,626.71	0	3,436.90	0	3,189.62	0	2,832.67
1/4		1/4		1/4		1/4		1/4	3,966.96	1/4	3,801.48	1/4	3,622.85	1/4	3,432.90	1/4	3,182.16	1/4	2,825.24
1/2		1/2		1/2		1/2		1/2	3,963.33	1/2	3,797.93	1/2	3,618.98	1/2	3,428.90	1/2	3,174.71	1/2	2,817.80
3/4		3/4		3/4		3/4		3/4	3,959.71	3/4	3,794.38	3/4	3,615.12	3/4	3,424.90	3/4	3,167.25	3/4	2,810.37
1		1		1		1		1	3,956.09	1	3,790.83	1	3,611.25	1	3,420.90	1	3,159.80	1	2,802.94
1/4		1/4		1/4		1/4		1/4	3,952.75	1/4	3,787.26	1/4	3,607.37	1/4	3,416.90	1/4	3,152.34	1/4	2,795.50
1/2		1/2		1/2		1/2		1/2	3,949.42	1/2	3,783.69	1/2	3,603.48	1/2	3,412.90	1/2	3,144.89	1/2	2,788.07
3/4		3/4		3/4		3/4		3/4	3,946.08	3/4	3,780.13	3/4	3,599.60	3/4	3,408.90	3/4	3,137.43	3/4	2,780.64
2		2		2		2		2	3,942.74	2	3,776.56	2	3,595.71	2	3,404.90	2	3,129.98	2	2,773.21
1/4		1/4		1/4		1/4		1/4	3,939.39	1/4	3,772.97	1/4	3,591.81	1/4	3,400.90	1/4	3,122.54	1/4	2,765.77
1/2		1/2		1/2		1/2		1/2	3,936.03	1/2	3,769.38	1/2	3,587.91	1/2	3,396.90	1/2	3,115.11	1/2	2,758.34
3/4		3/4		3/4		3/4		3/4	3,932.68	3/4	3,765.79	3/4	3,584.00	3/4	3,392.90	3/4	3,107.68	3/4	2,750.91
3		3		3		3		3	3,929.32	3	3,762.21	3	3,580.10	3	3,388.90	3	3,100.25	3	2,743.48
1/4		1/4		1/4		1/4		1/4	3,925.94	1/4	3,758.56	1/4	3,576.18	1/4	3,384.90	1/4	3,092.81	1/4	2,736.04
1/2		1/2		1/2		1/2		1/2	3,922.57	1/2	3,754.91	1/2	3,572.25	1/2	3,380.90	1/2	3,085.38	1/2	2,728.61
3/4		3/4		3/4		3/4		3/4	3,919.19	3/4	3,751.26	3/4	3,568.33	3/4	3,376.90	3/4	3,077.95	3/4	2,721.18
4		4		4		4		4	3,915.82	4	3,747.61	4	3,564.41	4	3,372.90	4	3,070.51	4	2,713.75
1/4		1/4		1/4		1/4		1/4	3,912.42	1/4	3,743.90	1/4	3,560.47	1/4	3,368.90	1/4	3,063.08	1/4	2,706.31
1/2		1/2		1/2		1/2		1/2	3,909.03	1/2	3,740.19	1/2	3,556.52	1/2	3,364.90	1/2	3,055.65	1/2	2,698.88
3/4		3/4		3/4		3/4		3/4	3,905.63	3/4	3,736.48	3/4	3,552.58	3/4	3,360.90	3/4	3,048.22	3/4	2,691.45
5		5		5		5		5	3,902.24	5	3,732.77	5	3,548.64	5	3,356.90	5	3,040.78	5	2,684.01
1/4		1/4		1/4		1/4		1/4	3,898.82	1/4	3,729.04	1/4	3,544.68	1/4	3,352.90	1/4	3,033.35	1/4	2,676.58
1/2		1/2		1/2		1/2		1/2	3,895.41	1/2	3,725.31	1/2	3,540.72	1/2	3,348.90	1/2	3,025.92	1/2	2,669.15
3/4		3/4		3/4		3/4		3/4	3,892.00	3/4	3,721.58	3/4	3,536.76	3/4	3,344.90	3/4	3,018.49	3/4	2,661.72
6		6		6		6		6	3,888.58	6	3,717.85	6	3,532.80	6	3,340.90	6	3,011.05	6	2,654.28
1/4		1/4		1/4		1/4		1/4	3,885.15	1/4	3,714.10	1/4	3,528.81	1/4	3,336.90	1/4	3,003.62	1/4	2,646.85
1/2		1/2		1/2		1/2		1/2	3,881.72	1/2	3,710.35	1/2	3,524.83	1/2	3,332.90	1/2	2,996.19	1/2	2,639.42
3/4		3/4		3/4		3/4		3/4	3,878.28	3/4	3,706.60	3/4	3,520.85	3/4	3,328.90	3/4	2,988.76	3/4	2,631.99
7		7		7		7		7	3,874.85	7	3,702.85	7	3,516.87	7	3,324.90	7	2,981.32	7	2,624.55
1/4		1/4		1/4		1/4		1/4	3,871.40	1/4	3,699.08	1/4	3,512.88	1/4	3,320.90	1/4	2,973.89	1/4	2,617.12
1/2		1/2		1/2		1/2		1/2	3,867.94	1/2	3,695.31	1/2	3,508.88	1/2	3,316.90	1/2	2,966.46	1/2	2,609.69
3/4		3/4		3/4		3/4		3/4	3,864.49	3/4	3,691.55	3/4	3,504.89	3/4	3,312.90	3/4	2,959.02	3/4	2,602.25
8		8		8		8	4,025.61	8	3,861.04	8	3,687.78	8	3,500.89	8	3,308.90	8	2,951.59	8	2,594.82
1/4		1/4		1/4		1/4	4,023.25	1/4	3,857.57	1/4	3,683.99	1/4	3,496.89	1/4	3,304.44	1/4	2,944.16	1/4	2,587.39
1/2		1/2		1/2		1/2	4,020.88	1/2	3,854.10	1/2	3,680.20	1/2	3,492.89	1/2	3,293.99	1/2	2,936.73	1/2	2,579.96
3/4		3/4		3/4		3/4	4,018.52	3/4	3,850.62	3/4	3,676.41	3/4	3,488.89	3/4	3,286.53	3/4	2,929.29	3/4	2,572.52
9		9		9		9	4,016.16	9	3,847.15	9	3,672.63	9	3,484.89	9	3,279.08	9	2,921.86	9	2,565.09
1/4		1/4		1/4		1/4	4,012.60	1/4	3,843.66	1/4	3,668.82	1/4	3,480.89	1/4	3,271.62	1/4	2,914.43	1/4	2,557.66
1/2		1/2		1/2		1/2	4,009.03	1/2	3,840.17	1/2	3,665.01	1/2	3,476.89	1/2	3,264.17	1/2	2,907.00	1/2	2,550.23
3/4		3/4		3/4		3/4	4,005.46	3/4	3,836.68	3/4	3,661.21	3/4	3,472.89	3/4	3,256.71	3/4	2,899.56	3/4	2,542.79
10		10		10		10	4,001.90	10	3,833.19	10	3,657.40	10	3,468.89	10	3,249.26	10	2,892.13	10	2,535.36
1/4		1/4		1/4		1/4	3,997.98	1/4	3,829.68	1/4	3,653.57	1/4	3,464.89	1/4	3,241.80	1/4	2,884.70	1/4	2,527.93
1/2		1/2		1/2		1/2	3,994.07	1/2	3,826.17	1/2	3,649.75	1/2	3,460.90	1/2	3,234.35	1/2	2,877.26	1/2	2,520.50
3/4		3/4		3/4		3/4	3,990.15	3/4	3,822.66	3/4	3,645.92	3/4	3,456.90	3/4	3,226.89	3/4	2,869.83	3/4	2,513.06
11		11		11		11	3,986.24	11	3,819.14	11	3,642.09	11	3,452.90	11	3,219.44	11	2,862.40	11	2,505.63
1/4		1/4		1/4		1/4	3,982.32	1/4	3,815.62	1/4	3,638.25	1/4	3,448.90	1/4	3,211.98	1/4	2,854.97	1/4	2,498.20
1/2		1/2		1/2		1/2	3,978.41	1/2	3,812.09	1/2	3,634.40	1/2	3,444.90	1/2	3,204.53	1/2	2,847.53	1/2	2,490.76
3/4		3/4		3/4		3/4	3,974.49	3/4	3,808.56	3/4	3,630.56	3/4	3,440.90	3/4	3,197.07	3/4	2,840.10	3/4	2,483.33

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 55'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27771"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01 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	2,475.90	0	2,119.13	0	1,762.35	0	1,406.04	0	1,055.37	0	709.55	0	363.86	0	52.78	0		0	
1/4	2,468.47	1/4	2,111.70	1/4	1,754.92	1/4	1,398.80	1/4	1,048.18	1/4	702.32	1/4	356.46	1/4	51.43	1/4		1/4	
1/2	2,461.03	1/2	2,104.26	1/2	1,747.49	1/2	1,391.55	1/2	1,040.98	1/2	695.10	1/2	349.05	1/2	50.07	1/2		1/2	
3/4	2,453.60	3/4	2,096.83	3/4	1,740.06	3/4	1,384.30	3/4	1,033.79	3/4	687.87	3/4	341.64	3/4	48.72	3/4		3/4	
1	2,446.17	1	2,089.40	1	1,732.62	1	1,377.05	1	1,026.59	1	680.64	1	334.23	1	47.37	1		1	
1/4	2,438.74	1/4	2,081.97	1/4	1,725.19	1/4	1,369.78	1/4	1,019.40	1/4	673.42	1/4	326.83	1/4	46.86	1/4		1/4	
1/2	2,431.30	1/2	2,074.53	1/2	1,717.76	1/2	1,362.51	1/2	1,012.20	1/2	666.19	1/2	319.42	1/2	46.35	1/2		1/2	
3/4	2,423.87	3/4	2,067.10	3/4	1,710.32	3/4	1,355.24	3/4	1,005.00	3/4	658.96	3/4	312.01	3/4		3/4		3/4	
2	2,416.44	2	2,059.67	2	1,702.89	2	1,347.97	2	997.81	2	651.74	2	304.60	2		2		2	
1/4	2,409.00	1/4	2,052.23	1/4	1,695.46	1/4	1,340.70	1/4	990.61	1/4	644.51	1/4	297.18	1/4		1/4		1/4	
1/2	2,401.57	1/2	2,044.80	1/2	1,688.02	1/2	1,333.42	1/2	983.42	1/2	637.28	1/2	289.76	1/2		1/2		1/2	
3/4	2,394.14	3/4	2,037.37	3/4	1,680.59	3/4	1,326.15	3/4	976.22	3/4	630.06	3/4	282.34	3/4		3/4		3/4	
3	2,386.71	3	2,029.94	3	1,673.16	3	1,318.88	3	969.03	3	622.83	3	274.91	3		3		3	
1/4	2,379.27	1/4	2,022.50	1/4	1,665.73	1/4	1,311.61	1/4	961.83	1/4	615.60	1/4	267.48	1/4		1/4		1/4	
1/2	2,371.84	1/2	2,015.07	1/2	1,658.29	1/2	1,304.34	1/2	954.63	1/2	608.38	1/2	260.04	1/2		1/2		1/2	
3/4	2,364.41	3/4	2,007.64	3/4	1,650.86	3/4	1,297.07	3/4	947.44	3/4	601.15	3/4	252.60	3/4		3/4		3/4	
4	2,356.98	4	2,000.21	4	1,643.43	4	1,289.79	4	940.24	4	593.92	4	245.17	4		4		4	
1/4	2,349.54	1/4	1,992.77	1/4	1,635.99	1/4	1,282.52	1/4	933.05	1/4	586.69	1/4	237.73	1/4		1/4		1/4	
1/2	2,342.11	1/2	1,985.34	1/2	1,628.56	1/2	1,275.25	1/2	925.85	1/2	579.47	1/2	230.29	1/2		1/2		1/2	
3/4	2,334.68	3/4	1,977.91	3/4	1,621.13	3/4	1,267.98	3/4	918.66	3/4	572.24	3/4	222.86	3/4		3/4		3/4	
5	2,327.24	5	1,970.48	5	1,613.69	5	1,260.70	5	911.46	5	565.01	5	215.42	5		5		5	
1/4	2,319.81	1/4	1,963.04	1/4	1,606.26	1/4	1,253.45	1/4	904.26	1/4	557.58	1/4	207.98	1/4		1/4		1/4	
1/2	2,312.38	1/2	1,955.61	1/2	1,598.83	1/2	1,246.19	1/2	897.06	1/2	550.14	1/2	200.55	1/2		1/2		1/2	
3/4	2,304.95	3/4	1,948.18	3/4	1,591.40	3/4	1,238.94	3/4	889.87	3/4	542.70	3/4	193.11	3/4		3/4		3/4	
6	2,297.51	6	1,940.74	6	1,583.96	6	1,231.68	6	882.67	6	535.26	6	185.67	6		6		6	
1/4	2,290.08	1/4	1,933.31	1/4	1,576.53	1/4	1,224.27	1/4	875.47	1/4	527.82	1/4	178.24	1/4		1/4		1/4	
1/2	2,282.65	1/2	1,925.88	1/2	1,569.10	1/2	1,216.85	1/2	868.27	1/2	520.39	1/2	170.80	1/2		1/2		1/2	
3/4	2,275.22	3/4	1,918.45	3/4	1,561.66	3/4	1,209.43	3/4	861.07	3/4	512.95	3/4	163.36	3/4		3/4		3/4	
7	2,267.78	7	1,911.01	7	1,554.23	7	1,202.01	7	853.88	7	505.51	7	155.93	7		7		7	
1/4	2,260.35	1/4	1,903.58	1/4	1,546.82	1/4	1,194.60	1/4	846.68	1/4	498.07	1/4	148.51	1/4		1/4		1/4	
1/2	2,252.92	1/2	1,896.15	1/2	1,539.41	1/2	1,187.18	1/2	839.48	1/2	490.63	1/2	141.08	1/2		1/2		1/2	
3/4	2,245.49	3/4	1,888.72	3/4	1,532.00	3/4	1,179.76	3/4	832.28	3/4	483.20	3/4	133.66	3/4		3/4		3/4	
8	2,238.05	8	1,881.28	8	1,524.59	8	1,172.34	8	825.08	8	475.76	8	126.24	8		8		8	
1/4	2,230.62	1/4	1,873.85	1/4	1,517.18	1/4	1,164.92	1/4	817.88	1/4	468.76	1/4	119.45	1/4		1/4		1/4	
1/2	2,223.19	1/2	1,866.42	1/2	1,509.77	1/2	1,157.51	1/2	810.68	1/2	461.76	1/2	112.67	1/2		1/2		1/2	
3/4	2,215.75	3/4	1,858.98	3/4	1,502.37	3/4	1,150.09	3/4	803.48	3/4	454.77	3/4	105.88	3/4		3/4		3/4	
9	2,208.32	9	1,851.55	9	1,494.96	9	1,142.67	9	796.27	9	447.77	9	99.10	9		9		9	
1/4	2,200.89	1/4	1,844.12	1/4	1,487.55	1/4	1,135.25	1/4	789.05	1/4	441.21	1/4	93.56	1/4		1/4		1/4	
1/2	2,193.46	1/2	1,836.68	1/2	1,480.14	1/2	1,127.84	1/2	781.82	1/2	434.66	1/2	88.02	1/2		1/2		1/2	
3/4	2,186.02	3/4	1,829.25	3/4	1,472.73	3/4	1,120.42	3/4	774.59	3/4	428.10	3/4	82.48	3/4		3/4		3/4	
10	2,178.59	10	1,821.82	10	1,465.32	10	1,113.00	10	767.37	10	421.54	10	76.94	10		10		10	
1/4	2,171.16	1/4	1,814.39	1/4	1,457.91	1/4	1,105.79	1/4	760.14	1/4	414.55	1/4	73.08	1/4		1/4		1/4	
1/2	2,163.73	1/2	1,806.95	1/2	1,450.50	1/2	1,098.59	1/2	752.91	1/2	407.55	1/2	69.21	1/2		1/2		1/2	
3/4	2,156.29	3/4	1,799.52	3/4	1,443.09	3/4	1,091.38	3/4	745.69	3/4	400.55	3/4	65.35	3/4		3/4		3/4	
11	2,148.86	11	1,792.09	11	1,435.68	11	1,084.17	11	738.46	11	393.56	11	61.49	11		11		11	
1/4	2,141.43	1/4	1,784.65	1/4	1,428.27	1/4	1,076.97	1/4	731.23	1/4	386.13	1/4	59.31	1/4		1/4		1/4	
1/2	2,133.99	1/2	1,777.22	1/2	1,420.86	1/2	1,069.77	1/2	724.01	1/2	378.71	1/2	57.13	1/2		1/2		1/2	
3/4	2,126.56	3/4	1,769.79	3/4	1,413.45	3/4	1,062.57	3/4	716.78	3/4	371.29	3/4	54.96	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2011 CL - SW
CALCULATED: 08/02/2011 CL
PRINTED: 08/02/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

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



BARGE "KIRBY 27771"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0		0	4,012.92	0	3,845.76	0	3,668.64	0	3,479.38	0	3,245.86	0	2,887.97		
1/4		1/4		1/4		1/4		1/4	4,009.00	1/4	3,842.23	1/4	3,664.79	1/4	3,475.38	1/4	3,238.41	1/4	2,880.52		
1/2		1/2		1/2		1/2		1/2	4,005.08	1/2	3,838.70	1/2	3,660.95	1/2	3,471.37	1/2	3,230.95	1/2	2,873.06		
3/4		3/4		3/4		3/4		3/4	4,001.17	3/4	3,835.16	3/4	3,657.10	3/4	3,467.37	3/4	3,223.49	3/4	2,865.61		
1		1		1		1		1	3,997.25	1	3,831.63	1	3,653.25	1	3,463.37	1	3,216.04	1	2,858.15		
1/4		1/4		1/4		1/4		1/4	3,993.63	1/4	3,828.08	1/4	3,649.39	1/4	3,459.37	1/4	3,208.58	1/4	2,850.69		
1/2		1/2		1/2		1/2		1/2	3,990.01	1/2	3,824.53	1/2	3,645.52	1/2	3,455.37	1/2	3,201.13	1/2	2,843.24		
3/4		3/4		3/4		3/4		3/4	3,986.38	3/4	3,820.98	3/4	3,641.65	3/4	3,451.37	3/4	3,193.67	3/4	2,835.78		
2		2		2		2		2	3,982.76	2	3,817.43	2	3,637.79	2	3,447.37	2	3,186.21	2	2,828.33		
1/4		1/4		1/4		1/4		1/4	3,979.42	1/4	3,813.86	1/4	3,633.90	1/4	3,443.37	1/4	3,178.76	1/4	2,820.87		
1/2		1/2		1/2		1/2		1/2	3,976.08	1/2	3,810.29	1/2	3,630.02	1/2	3,439.36	1/2	3,171.30	1/2	2,813.41		
3/4		3/4		3/4		3/4		3/4	3,972.75	3/4	3,806.72	3/4	3,626.13	3/4	3,435.36	3/4	3,163.85	3/4	2,805.96		
3		3		3		3		3	3,969.41	3	3,803.15	3	3,622.25	3	3,431.36	3	3,156.39	3	2,798.50		
1/4		1/4		1/4		1/4		1/4	3,966.05	1/4	3,799.56	1/4	3,618.34	1/4	3,427.36	1/4	3,148.93	1/4	2,791.05		
1/2		1/2		1/2		1/2		1/2	3,962.69	1/2	3,795.98	1/2	3,614.44	1/2	3,423.36	1/2	3,141.48	1/2	2,783.59		
3/4		3/4		3/4		3/4		3/4	3,959.33	3/4	3,792.39	3/4	3,610.53	3/4	3,419.36	3/4	3,134.02	3/4	2,776.13		
4		4		4		4		4	3,955.98	4	3,788.80	4	3,606.63	4	3,415.36	4	3,126.57	4	2,768.68		
1/4		1/4		1/4		1/4		1/4	3,952.60	1/4	3,785.15	1/4	3,602.70	1/4	3,411.36	1/4	3,119.11	1/4	2,761.22		
1/2		1/2		1/2		1/2		1/2	3,949.22	1/2	3,781.50	1/2	3,598.78	1/2	3,407.36	1/2	3,111.65	1/2	2,753.77		
3/4		3/4		3/4		3/4		3/4	3,945.85	3/4	3,777.85	3/4	3,594.85	3/4	3,403.35	3/4	3,104.20	3/4	2,746.31		
5		5		5		5		5	3,942.47	5	3,774.20	5	3,590.93	5	3,399.35	5	3,096.74	5	2,738.85		
1/4		1/4		1/4		1/4		1/4	3,939.07	1/4	3,770.48	1/4	3,586.99	1/4	3,395.35	1/4	3,089.29	1/4	2,731.40		
1/2		1/2		1/2		1/2		1/2	3,935.68	1/2	3,766.77	1/2	3,583.04	1/2	3,391.35	1/2	3,081.83	1/2	2,723.94		
3/4		3/4		3/4		3/4		3/4	3,932.28	3/4	3,763.06	3/4	3,579.10	3/4	3,387.35	3/4	3,074.37	3/4	2,716.49		
6		6		6		6		6	3,928.88	6	3,759.35	6	3,575.16	6	3,383.35	6	3,066.92	6	2,709.03		
1/4		1/4		1/4		1/4		1/4	3,925.47	1/4	3,755.62	1/4	3,571.19	1/4	3,379.35	1/4	3,059.46	1/4	2,701.57		
1/2		1/2		1/2		1/2		1/2	3,922.05	1/2	3,751.89	1/2	3,567.23	1/2	3,375.35	1/2	3,052.01	1/2	2,694.12		
3/4		3/4		3/4		3/4		3/4	3,918.64	3/4	3,748.15	3/4	3,563.27	3/4	3,371.34	3/4	3,044.55	3/4	2,686.66		
7		7		7		7		7	3,915.22	7	3,744.42	7	3,559.31	7	3,367.34	7	3,037.09	7	2,679.21		
1/4		1/4		1/4		1/4		1/4	3,911.79	1/4	3,740.67	1/4	3,555.32	1/4	3,363.34	1/4	3,029.64	1/4	2,671.75		
1/2		1/2		1/2		1/2		1/2	3,908.35	1/2	3,736.92	1/2	3,551.34	1/2	3,359.34	1/2	3,022.18	1/2	2,664.29		
3/4		3/4		3/4		3/4		3/4	3,904.92	3/4	3,733.17	3/4	3,547.36	3/4	3,355.34	3/4	3,014.73	3/4	2,656.84		
8		8		8		8		8	3,901.48	8	3,729.42	8	3,543.38	8	3,351.34	8	3,007.27	8	2,649.38		
1/4		1/4		1/4		1/4		1/4	3,898.03	1/4	3,725.65	1/4	3,539.38	1/4	3,347.34	1/4	2,999.81	1/4	2,641.93		
1/2		1/2		1/2		1/2		1/2	3,894.58	1/2	3,721.88	1/2	3,535.38	1/2	3,343.34	1/2	2,992.36	1/2	2,634.47		
3/4		3/4		3/4		3/4		3/4	3,891.12	3/4	3,718.11	3/4	3,531.39	3/4	3,339.33	3/4	2,984.90	3/4	2,627.01		
9		9		9		9	4,052.31	9	3,887.67	9	3,714.34	9	3,527.39	9	3,335.33	9	2,977.45	9	2,619.56		
1/4		1/4		1/4		1/4		1/4	4,049.95	1/4	3,884.19	1/4	3,523.39	1/4	3,327.88	1/4	2,969.99	1/4	2,612.10		
1/2		1/2		1/2		1/2		1/2	4,047.58	1/2	3,880.72	1/2	3,706.76	1/2	3,519.39	1/2	3,320.42	1/2	2,962.53	1/2	2,604.65
3/4		3/4		3/4		3/4		3/4	4,045.22	3/4	3,877.25	3/4	3,702.97	3/4	3,515.39	3/4	3,312.97	3/4	2,955.08	3/4	2,597.19
10		10		10		10	4,042.86	10	3,873.78	10	3,699.18	10	3,511.39	10	3,305.51	10	2,947.62	10	2,589.73		
1/4		1/4		1/4		1/4		1/4	4,039.29	1/4	3,870.28	1/4	3,695.38	1/4	3,507.39	1/4	3,298.05	1/4	2,940.17	1/4	2,582.28
1/2		1/2		1/2		1/2		1/2	4,035.72	1/2	3,866.79	1/2	3,691.57	1/2	3,503.38	1/2	3,290.60	1/2	2,932.71	1/2	2,574.82
3/4		3/4		3/4		3/4		3/4	4,032.15	3/4	3,863.30	3/4	3,687.76	3/4	3,499.38	3/4	3,283.14	3/4	2,925.25	3/4	2,567.37
11		11		11		11	4,028.58	11	3,859.81	11	3,683.95	11	3,495.38	11	3,275.69	11	2,917.80	11	2,559.91		
1/4		1/4		1/4		1/4		1/4	4,024.67	1/4	3,856.29	1/4	3,680.12	1/4	3,491.38	1/4	3,268.23	1/4	2,910.34	1/4	2,552.45
1/2		1/2		1/2		1/2		1/2	4,020.75	1/2	3,852.78	1/2	3,676.30	1/2	3,487.38	1/2	3,260.77	1/2	2,902.89	1/2	2,545.00
3/4		3/4		3/4		3/4		3/4	4,016.83	3/4	3,849.27	3/4	3,672.47	3/4	3,483.38	3/4	3,253.32	3/4	2,895.43	3/4	2,537.54

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 55'-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 27771"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 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	2,530.09	0	2,172.20	0	1,814.31	0	1,456.41	0	1,102.39	0	745.59	0	394.72	0	61.73	0		0	
1/4	2,522.63	1/4	2,164.74	1/4	1,806.85	1/4	1,448.95	1/4	1,094.95	1/4	738.14	1/4	387.28	1/4	59.54	1/4		1/4	
1/2	2,515.17	1/2	2,157.29	1/2	1,799.39	1/2	1,441.50	1/2	1,087.52	1/2	730.68	1/2	379.84	1/2	57.34	1/2		1/2	
3/4	2,507.72	3/4	2,149.83	3/4	1,791.94	3/4	1,434.04	3/4	1,080.09	3/4	723.23	3/4	372.39	3/4	55.14	3/4		3/4	
1	2,500.26	1	2,142.37	1	1,784.48	1	1,426.58	1	1,072.66	1	715.77	1	364.95	1	52.94	1		1	
1/4	2,492.81	1/4	2,134.92	1/4	1,777.03	1/4	1,419.29	1/4	1,065.23	1/4	708.31	1/4	357.53	1/4	51.57	1/4		1/4	
1/2	2,485.35	1/2	2,127.46	1/2	1,769.57	1/2	1,412.00	1/2	1,057.80	1/2	700.86	1/2	350.10	1/2	50.20	1/2		1/2	
3/4	2,477.89	3/4	2,120.01	3/4	1,762.11	3/4	1,404.70	3/4	1,050.38	3/4	693.40	3/4	342.67	3/4	48.82	3/4		3/4	
2	2,470.44	2	2,112.55	2	1,754.66	2	1,397.41	2	1,042.95	2	685.94	2	335.25	2	47.45	2		2	
1/4	2,462.98	1/4	2,105.09	1/4	1,747.20	1/4	1,390.11	1/4	1,035.52	1/4	678.49	1/4	327.82	1/4	46.92	1/4		1/4	
1/2	2,455.53	1/2	2,097.64	1/2	1,739.75	1/2	1,382.82	1/2	1,028.09	1/2	671.03	1/2	320.39	1/2	46.39	1/2		1/2	
3/4	2,448.07	3/4	2,090.18	3/4	1,732.29	3/4	1,375.53	3/4	1,020.66	3/4	663.57	3/4	312.97	3/4		3/4		3/4	
3	2,440.61	3	2,082.73	3	1,724.83	3	1,368.23	3	1,013.24	3	656.12	3	305.54	3		3		3	
1/4	2,433.16	1/4	2,075.27	1/4	1,717.38	1/4	1,360.94	1/4	1,005.81	1/4	648.66	1/4	298.10	1/4		1/4		1/4	
1/2	2,425.70	1/2	2,067.81	1/2	1,709.92	1/2	1,353.64	1/2	998.38	1/2	641.20	1/2	290.66	1/2		1/2		1/2	
3/4	2,418.25	3/4	2,060.36	3/4	1,702.46	3/4	1,346.35	3/4	990.95	3/4	633.75	3/4	283.21	3/4		3/4		3/4	
4	2,410.79	4	2,052.90	4	1,695.01	4	1,339.06	4	983.53	4	626.29	4	275.77	4		4		4	
1/4	2,403.33	1/4	2,045.45	1/4	1,687.55	1/4	1,331.76	1/4	976.10	1/4	618.83	1/4	268.32	1/4		1/4		1/4	
1/2	2,395.88	1/2	2,037.99	1/2	1,680.10	1/2	1,324.47	1/2	968.67	1/2	611.38	1/2	260.86	1/2		1/2		1/2	
3/4	2,388.42	3/4	2,030.53	3/4	1,672.64	3/4	1,317.17	3/4	961.24	3/4	603.92	3/4	253.41	3/4		3/4		3/4	
5	2,380.97	5	2,023.08	5	1,665.18	5	1,309.88	5	953.82	5	596.46	5	245.95	5		5		5	
1/4	2,373.51	1/4	2,015.62	1/4	1,657.73	1/4	1,302.59	1/4	946.39	1/4	589.01	1/4	238.49	1/4		1/4		1/4	
1/2	2,366.05	1/2	2,008.17	1/2	1,650.27	1/2	1,295.29	1/2	938.96	1/2	581.55	1/2	231.04	1/2		1/2		1/2	
3/4	2,358.60	3/4	2,000.71	3/4	1,642.81	3/4	1,288.00	3/4	931.53	3/4	574.10	3/4	223.58	3/4		3/4		3/4	
6	2,351.14	6	1,993.25	6	1,635.36	6	1,280.70	6	924.11	6	566.64	6	216.13	6		6		6	
1/4	2,343.69	1/4	1,985.80	1/4	1,627.90	1/4	1,273.41	1/4	916.68	1/4	559.18	1/4	208.67	1/4		1/4		1/4	
1/2	2,336.23	1/2	1,978.34	1/2	1,620.45	1/2	1,266.11	1/2	909.25	1/2	551.72	1/2	201.22	1/2		1/2		1/2	
3/4	2,328.77	3/4	1,970.89	3/4	1,612.99	3/4	1,258.82	3/4	901.82	3/4	544.27	3/4	193.76	3/4		3/4		3/4	
7	2,321.32	7	1,963.43	7	1,605.53	7	1,251.52	7	894.40	7	536.81	7	186.30	7		7		7	
1/4	2,313.86	1/4	1,955.97	1/4	1,598.08	1/4	1,244.06	1/4	886.97	1/4	529.35	1/4	178.85	1/4		1/4		1/4	
1/2	2,306.41	1/2	1,948.52	1/2	1,590.62	1/2	1,236.61	1/2	879.54	1/2	521.90	1/2	171.39	1/2		1/2		1/2	
3/4	2,298.95	3/4	1,941.06	3/4	1,583.16	3/4	1,229.15	3/4	872.11	3/4	514.44	3/4	163.94	3/4		3/4		3/4	
8	2,291.49	8	1,933.61	8	1,575.71	8	1,221.69	8	864.69	8	506.98	8	156.48	8		8		8	
1/4	2,284.04	1/4	1,926.15	1/4	1,568.25	1/4	1,214.24	1/4	857.26	1/4	499.53	1/4	149.04	1/4		1/4		1/4	
1/2	2,276.58	1/2	1,918.69	1/2	1,560.80	1/2	1,206.78	1/2	849.83	1/2	492.07	1/2	141.60	1/2		1/2		1/2	
3/4	2,269.13	3/4	1,911.24	3/4	1,553.34	3/4	1,199.32	3/4	842.40	3/4	484.61	3/4	134.16	3/4		3/4		3/4	
9	2,261.67	9	1,903.78	9	1,545.88	9	1,191.87	9	834.97	9	477.15	9	126.72	9		9		9	
1/4	2,254.21	1/4	1,896.33	1/4	1,538.43	1/4	1,184.41	1/4	827.54	1/4	470.14	1/4	119.91	1/4		1/4		1/4	
1/2	2,246.76	1/2	1,888.87	1/2	1,530.97	1/2	1,176.95	1/2	820.11	1/2	463.12	1/2	113.11	1/2		1/2		1/2	
3/4	2,239.30	3/4	1,881.41	3/4	1,523.52	3/4	1,169.50	3/4	812.68	3/4	456.11	3/4	106.30	3/4		3/4		3/4	
10	2,231.85	10	1,873.96	10	1,516.06	10	1,162.04	10	805.25	10	449.09	10	99.50	10		10		10	
1/4	2,224.39	1/4	1,866.50	1/4	1,508.60	1/4	1,154.58	1/4	797.79	1/4	442.51	1/4	93.94	1/4		1/4		1/4	
1/2	2,216.93	1/2	1,859.04	1/2	1,501.15	1/2	1,147.13	1/2	790.33	1/2	435.94	1/2	88.38	1/2		1/2		1/2	
3/4	2,209.48	3/4	1,851.59	3/4	1,493.69	3/4	1,139.67	3/4	782.88	3/4	429.36	3/4	82.82	3/4		3/4		3/4	
11	2,202.02	11	1,844.13	11	1,486.23	11	1,132.21	11	775.42	11	422.79	11	77.26	11		11		11	
1/4	2,194.57	1/4	1,836.68	1/4	1,478.78	1/4	1,124.76	1/4	767.96	1/4	415.77	1/4	73.38	1/4		1/4		1/4	
1/2	2,187.11	1/2	1,829.22	1/2	1,471.32	1/2	1,117.30	1/2	760.51	1/2	408.75	1/2	69.50	1/2		1/2		1/2	
3/4	2,179.65	3/4	1,821.76	3/4	1,463.87	3/4	1,109.84	3/4	753.05	3/4	401.74	3/4	65.62	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2011 CL - SW
CALCULATED: 08/02/2011 CL
PRINTED: 08/02/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "KIRBY 27771"

INNAGE TRIM TABLE 2" STANDPIPE

	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
3 PORT	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/4	01-1/4	- 01-5/8	01-5/8	- 02-0/8	02-0/8	- 02-3/8	02-3/8
3 STBD	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/4	01-1/4	- 01-5/8	01-5/8	- 02-0/8	02-0/8	- 02-3/8	02-3/8

(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 2 PORT IS 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

December 15, 2021

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27771"

1 PORT INNAGE 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	8.53	0	310.01	0	672.56	0	1,048.98	0	1,425.44	0	1,803.12	0	2,181.02	0	2,558.91	0	2,936.80	0	3,314.69
1/4	11.90	1/4	317.25	1/4	680.43	1/4	1,056.80	1/4	1,433.28	1/4	1,810.99	1/4	2,188.89	1/4	2,566.78	1/4	2,944.67	1/4	3,322.56
1/2	15.28	1/2	324.49	1/2	688.30	1/2	1,064.62	1/2	1,441.13	1/2	1,818.87	1/2	2,196.76	1/2	2,574.65	1/2	2,952.54	1/2	3,330.43
3/4	20.68	3/4	331.82	3/4	696.18	3/4	1,072.43	3/4	1,448.97	3/4	1,826.74	3/4	2,204.63	3/4	2,582.52	3/4	2,960.41	3/4	3,338.30
1	26.07	1	339.15	1	704.05	1	1,080.25	1	1,456.82	1	1,834.61	1	2,212.51	1	2,590.40	1	2,968.29	1	3,346.18
1/4	31.47	1/4	346.49	1/4	711.92	1/4	1,088.06	1/4	1,464.67	1/4	1,842.49	1/4	2,220.38	1/4	2,598.27	1/4	2,976.16	1/4	3,354.05
1/2	36.87	1/2	353.82	1/2	719.80	1/2	1,095.88	1/2	1,472.51	1/2	1,850.36	1/2	2,228.25	1/2	2,606.14	1/2	2,984.03	1/2	3,361.92
3/4	42.76	3/4	361.24	3/4	727.67	3/4	1,103.69	3/4	1,480.37	3/4	1,858.23	3/4	2,236.13	3/4	2,614.01	3/4	2,991.90	3/4	3,369.79
2	48.66	2	368.67	2	735.54	2	1,111.51	2	1,488.23	2	1,866.11	2	2,244.00	2	2,621.89	2	2,999.78	2	3,377.67
1/4	54.56	1/4	376.10	1/4	743.42	1/4	1,119.32	1/4	1,496.09	1/4	1,873.98	1/4	2,251.87	1/4	2,629.76	1/4	3,007.65	1/4	3,385.54
1/2	60.46	1/2	383.53	1/2	751.29	1/2	1,127.14	1/2	1,503.95	1/2	1,881.85	1/2	2,259.74	1/2	2,637.63	1/2	3,015.52	1/2	3,393.41
3/4	66.03	3/4	391.07	3/4	759.16	3/4	1,134.96	3/4	1,511.82	3/4	1,889.72	3/4	2,267.62	3/4	2,645.51	3/4	3,023.40	3/4	3,401.28
3	71.60	3	398.61	3	767.04	3	1,142.77	3	1,519.69	3	1,897.60	3	2,275.49	3	2,653.38	3	3,031.27	3	3,409.16
1/4	77.18	1/4	406.15	1/4	774.91	1/4	1,150.59	1/4	1,527.57	1/4	1,905.47	1/4	2,283.36	1/4	2,661.25	1/4	3,039.14	1/4	3,417.03
1/2	82.75	1/2	413.68	1/2	782.78	1/2	1,158.41	1/2	1,535.44	1/2	1,913.34	1/2	2,291.23	1/2	2,669.12	1/2	3,047.01	1/2	3,424.90
3/4	88.44	3/4	421.11	3/4	790.66	3/4	1,166.24	3/4	1,543.31	3/4	1,921.22	3/4	2,299.11	3/4	2,677.00	3/4	3,054.89	3/4	3,432.78
4	94.13	4	428.54	4	798.53	4	1,174.07	4	1,551.19	4	1,929.09	4	2,306.98	4	2,684.87	4	3,062.76	4	3,440.65
1/4	99.82	1/4	435.96	1/4	806.40	1/4	1,181.90	1/4	1,559.06	1/4	1,936.96	1/4	2,314.85	1/4	2,692.74	1/4	3,070.63	1/4	3,448.52
1/2	105.50	1/2	443.39	1/2	814.28	1/2	1,189.73	1/2	1,566.93	1/2	1,944.84	1/2	2,322.72	1/2	2,700.61	1/2	3,078.50	1/2	3,456.39
3/4	111.76	3/4	450.46	3/4	822.14	3/4	1,197.59	3/4	1,574.80	3/4	1,952.71	3/4	2,330.60	3/4	2,708.49	3/4	3,086.38	3/4	3,464.27
5	118.02	5	457.53	5	829.99	5	1,205.45	5	1,582.68	5	1,960.58	5	2,338.47	5	2,716.36	5	3,094.25	5	3,472.14
1/4	124.27	1/4	464.60	1/4	837.85	1/4	1,213.31	1/4	1,590.55	1/4	1,968.45	1/4	2,346.34	1/4	2,724.23	1/4	3,102.12	1/4	3,480.01
1/2	130.53	1/2	471.67	1/2	845.71	1/2	1,221.17	1/2	1,598.42	1/2	1,976.33	1/2	2,354.22	1/2	2,732.11	1/2	3,109.99	1/2	3,487.88
3/4	137.12	3/4	478.82	3/4	853.54	3/4	1,229.04	3/4	1,606.30	3/4	1,984.20	3/4	2,362.09	3/4	2,739.98	3/4	3,117.87	3/4	3,495.76
6	143.72	6	485.97	6	861.37	6	1,236.92	6	1,614.17	6	1,992.07	6	2,369.96	6	2,747.85	6	3,125.74	6	3,503.63
1/4	150.31	1/4	493.12	1/4	869.21	1/4	1,244.79	1/4	1,622.04	1/4	1,999.95	1/4	2,377.83	1/4	2,755.72	1/4	3,133.61	1/4	3,511.50
1/2	156.90	1/2	500.27	1/2	877.04	1/2	1,252.66	1/2	1,629.92	1/2	2,007.82	1/2	2,385.71	1/2	2,763.60	1/2	3,141.49	1/2	3,519.38
3/4	163.61	3/4	507.91	3/4	884.86	3/4	1,260.54	3/4	1,637.79	3/4	2,015.69	3/4	2,393.58	3/4	2,771.47	3/4	3,149.36	3/4	3,527.25
7	170.32	7	515.55	7	892.67	7	1,268.41	7	1,645.66	7	2,023.56	7	2,401.45	7	2,779.34	7	3,157.23	7	3,535.12
1/4	177.03	1/4	523.19	1/4	900.49	1/4	1,276.28	1/4	1,653.53	1/4	2,031.44	1/4	2,409.32	1/4	2,787.21	1/4	3,165.10	1/4	3,542.99
1/2	183.73	1/2	530.83	1/2	908.31	1/2	1,284.16	1/2	1,661.41	1/2	2,039.31	1/2	2,417.20	1/2	2,795.09	1/2	3,172.98	1/2	3,550.87
3/4	190.56	3/4	538.71	3/4	916.12	3/4	1,292.02	3/4	1,669.28	3/4	2,047.18	3/4	2,425.07	3/4	2,802.96	3/4	3,180.85	3/4	3,558.74
8	197.38	8	546.58	8	923.94	8	1,299.88	8	1,677.15	8	2,055.05	8	2,432.94	8	2,810.83	8	3,188.72	8	3,566.61
1/4	204.21	1/4	554.46	1/4	931.75	1/4	1,307.74	1/4	1,685.03	1/4	2,062.93	1/4	2,440.82	1/4	2,818.70	1/4	3,196.59	1/4	3,574.48
1/2	211.04	1/2	562.33	1/2	939.57	1/2	1,315.60	1/2	1,692.90	1/2	2,070.80	1/2	2,448.69	1/2	2,826.58	1/2	3,204.47	1/2	3,582.36
3/4	217.97	3/4	570.20	3/4	947.38	3/4	1,323.44	3/4	1,700.77	3/4	2,078.67	3/4	2,456.56	3/4	2,834.45	3/4	3,212.34	3/4	3,590.23
9	224.91	9	578.08	9	955.20	9	1,331.29	9	1,708.65	9	2,086.54	9	2,464.43	9	2,842.32	9	3,220.21	9	3,598.10
1/4	231.85	1/4	585.95	1/4	963.02	1/4	1,339.13	1/4	1,716.52	1/4	2,094.42	1/4	2,472.31	1/4	2,850.20	1/4	3,228.09	1/4	3,605.97
1/2	238.78	1/2	593.82	1/2	970.83	1/2	1,346.98	1/2	1,724.39	1/2	2,102.29	1/2	2,480.18	1/2	2,858.07	1/2	3,235.96	1/2	3,613.85
3/4	245.82	3/4	601.70	3/4	978.65	3/4	1,354.83	3/4	1,732.26	3/4	2,110.16	3/4	2,488.05	3/4	2,865.94	3/4	3,243.83	3/4	3,621.72
10	252.87	10	609.57	10	986.46	10	1,362.67	10	1,740.14	10	2,118.03	10	2,495.92	10	2,873.81	10	3,251.70	10	3,629.59
1/4	259.91	1/4	617.44	1/4	994.28	1/4	1,370.52	1/4	1,748.01	1/4	2,125.91	1/4	2,503.80	1/4	2,881.69	1/4	3,259.58	1/4	3,637.47
1/2	266.95	1/2	625.32	1/2	1,002.09	1/2	1,378.37	1/2	1,755.88	1/2	2,133.78	1/2	2,511.67	1/2	2,889.56	1/2	3,267.45	1/2	3,645.34
3/4	274.09	3/4	633.19	3/4	1,009.91	3/4	1,386.21	3/4	1,763.76	3/4	2,141.65	3/4	2,519.54	3/4	2,897.43	3/4	3,275.32	3/4	3,653.21
11	281.24	11	641.06	11	1,017.72	11	1,394.06	11	1,771.63	11	2,149.53	11	2,527.42	11	2,905.30	11	3,283.19	11	3,661.08
1/4	288.38	1/4	648.94	1/4	1,025.54	1/4	1,401.90	1/4	1,779.50	1/4	2,157.40	1/4	2,535.29	1/4	2,913.18	1/4	3,291.07	1/4	3,668.96
1/2	295.53	1/2	656.81	1/2	1,033.35	1/2	1,409.75	1/2	1,787.38	1/2	2,165.27	1/2	2,543.16	1/2	2,921.05	1/2	3,298.94	1/2	3,676.83
3/4	302.77	3/4	664.68	3/4	1,041.17	3/4	1,417.59	3/4	1,795.25	3/4	2,173.14	3/4	2,551.03	3/4	2,928.92	3/4	3,306.81	3/4	3,684.70

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 AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 27771"

1 PORT INNAGE 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	3,692.57	0	4,068.88	0	4,427.42	0	4,760.29	0		0		0		0		0		0	
1/4	3,700.45	1/4	4,076.58	1/4	4,434.60	1/4	4,767.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,708.32	1/2	4,084.28	1/2	4,441.79	1/2	4,773.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,716.19	3/4	4,091.94	3/4	4,448.91	3/4	4,780.37	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,724.07	1	4,099.61	1	4,456.03	1	4,787.04	1		1		1		1		1		1	
1/4	3,731.94	1/4	4,107.27	1/4	4,463.16	1/4	4,793.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,739.81	1/2	4,114.94	1/2	4,470.28	1/2	4,800.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,747.68	3/4	4,122.56	3/4	4,477.37	3/4	4,807.31	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,755.56	2	4,130.19	2	4,484.45	2	4,814.24	2		2		2		2		2		2	
1/4	3,763.43	1/4	4,137.81	1/4	4,491.54	1/4	4,821.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,771.30	1/2	4,145.44	1/2	4,498.63	1/2	4,828.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,779.17	3/4	4,153.03	3/4	4,505.67	3/4	4,835.59	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,787.05	3	4,160.62	3	4,512.72	3	4,843.09	3		3		3		3		3		3	
1/4	3,794.92	1/4	4,168.20	1/4	4,519.77	1/4	4,850.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,802.79	1/2	4,175.79	1/2	4,526.82	1/2	4,858.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,810.67	3/4	4,183.34	3/4	4,533.83	3/4	4,865.88	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,818.54	4	4,190.89	4	4,540.84	4	4,873.67	4		4		4		4		4		4	
1/4	3,826.41	1/4	4,198.44	1/4	4,547.85	1/4	4,881.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,834.28	1/2	4,205.99	1/2	4,554.86	1/2	4,889.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,842.16	3/4	4,213.50	3/4	4,561.83	3/4	4,896.84	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,850.03	5	4,221.02	5	4,568.80	5	4,904.45	5		5		5		5		5		5	
1/4	3,857.90	1/4	4,228.53	1/4	4,575.77	1/4	4,912.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,865.77	1/2	4,236.04	1/2	4,582.74	1/2	4,919.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,873.65	3/4	4,243.51	3/4	4,589.68	3/4	4,926.44	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,881.52	6	4,250.99	6	4,596.61	6	4,933.22	6		6		6		6		6		6	
1/4	3,889.39	1/4	4,258.46	1/4	4,603.55	1/4	4,940.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,897.26	1/2	4,265.94	1/2	4,610.48	1/2	4,946.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,905.13	3/4	4,273.37	3/4	4,617.38	3/4	4,952.28	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,913.00	7	4,280.81	7	4,624.27	7	4,957.77	7		7		7		7		7		7	
1/4	3,920.87	1/4	4,288.24	1/4	4,631.17	1/4	4,963.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,928.74	1/2	4,295.68	1/2	4,638.06	1/2	4,968.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,936.59	3/4	4,303.08	3/4	4,644.92	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,944.44	8	4,310.48	8	4,651.78	8		8		8		8		8		8		8	
1/4	3,952.29	1/4	4,317.88	1/4	4,658.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,960.14	1/2	4,325.27	1/2	4,665.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,967.95	3/4	4,332.63	3/4	4,672.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,975.77	9	4,339.99	9	4,679.14	9		9		9		9		9		9		9	
1/4	3,983.59	1/4	4,347.35	1/4	4,685.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,991.40	1/2	4,354.71	1/2	4,692.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,999.18	3/4	4,362.04	3/4	4,699.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	4,006.96	10	4,369.36	10	4,706.34	10		10		10		10		10		10		10	
1/4	4,014.74	1/4	4,376.68	1/4	4,713.12	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,022.51	1/2	4,384.00	1/2	4,719.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,030.25	3/4	4,391.27	3/4	4,726.65	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,037.99	11	4,398.53	11	4,733.39	11		11		11		11		11		11		11	
1/4	4,045.73	1/4	4,405.79	1/4	4,740.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,053.47	1/2	4,413.06	1/2	4,746.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,061.17	3/4	4,420.24	3/4	4,753.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2011 CL - SW
 RECALCULATED: 12/14/2021 PMA
 REPRINTED: 12/14/2021 PMA

CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2021

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



BARGE "KIRBY 27771"

**1 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE 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	8.54	0	309.87	0	672.22	0	1,049.24	0	1,426.06	0	1,803.53	0	2,181.21	0	2,558.88	0	2,936.56	0	3,314.23
1/4	11.91	1/4	317.11	1/4	680.09	1/4	1,057.08	1/4	1,433.91	1/4	1,811.40	1/4	2,189.08	1/4	2,566.75	1/4	2,944.42	1/4	3,322.10
1/2	15.28	1/2	324.35	1/2	687.96	1/2	1,064.92	1/2	1,441.75	1/2	1,819.26	1/2	2,196.95	1/2	2,574.62	1/2	2,952.29	1/2	3,329.97
3/4	20.68	3/4	331.68	3/4	695.83	3/4	1,072.76	3/4	1,449.59	3/4	1,827.13	3/4	2,204.81	3/4	2,582.49	3/4	2,960.16	3/4	3,337.83
1	26.07	1	339.00	1	703.70	1	1,080.60	1	1,457.43	1	1,835.00	1	2,212.68	1	2,590.36	1	2,968.03	1	3,345.70
1/4	31.47	1/4	346.33	1/4	711.56	1/4	1,088.44	1/4	1,465.27	1/4	1,842.87	1/4	2,220.55	1/4	2,598.22	1/4	2,975.90	1/4	3,353.57
1/2	36.86	1/2	353.66	1/2	719.43	1/2	1,096.28	1/2	1,473.11	1/2	1,850.74	1/2	2,228.42	1/2	2,606.09	1/2	2,983.77	1/2	3,361.44
3/4	42.76	3/4	361.08	3/4	727.30	3/4	1,104.12	3/4	1,480.96	3/4	1,858.61	3/4	2,236.29	3/4	2,613.96	3/4	2,991.63	3/4	3,369.31
2	48.65	2	368.51	2	735.17	2	1,111.96	2	1,488.82	2	1,866.47	2	2,244.15	2	2,621.83	2	2,999.50	2	3,377.18
1/4	54.55	1/4	375.93	1/4	743.04	1/4	1,119.80	1/4	1,496.67	1/4	1,874.34	1/4	2,252.02	1/4	2,629.70	1/4	3,007.37	1/4	3,385.04
1/2	60.45	1/2	383.35	1/2	750.91	1/2	1,127.64	1/2	1,504.53	1/2	1,882.21	1/2	2,259.89	1/2	2,637.56	1/2	3,015.24	1/2	3,392.91
3/4	66.02	3/4	390.89	3/4	758.78	3/4	1,135.48	3/4	1,512.40	3/4	1,890.08	3/4	2,267.76	3/4	2,645.43	3/4	3,023.11	3/4	3,400.78
3	71.59	3	398.42	3	766.65	3	1,143.33	3	1,520.27	3	1,897.95	3	2,275.63	3	2,653.30	3	3,030.97	3	3,408.65
1/4	77.16	1/4	405.96	1/4	774.51	1/4	1,151.17	1/4	1,528.13	1/4	1,905.82	1/4	2,283.50	1/4	2,661.17	1/4	3,038.84	1/4	3,416.52
1/2	82.73	1/2	413.49	1/2	782.38	1/2	1,159.01	1/2	1,536.00	1/2	1,913.69	1/2	2,291.36	1/2	2,669.04	1/2	3,046.71	1/2	3,424.38
3/4	88.41	3/4	420.91	3/4	790.25	3/4	1,166.87	3/4	1,543.87	3/4	1,921.55	3/4	2,299.23	3/4	2,676.91	3/4	3,054.58	3/4	3,432.25
4	94.10	4	428.34	4	798.12	4	1,174.72	4	1,551.74	4	1,929.42	4	2,307.10	4	2,684.77	4	3,062.45	4	3,440.12
1/4	99.79	1/4	435.76	1/4	805.99	1/4	1,182.58	1/4	1,559.61	1/4	1,937.29	1/4	2,314.97	1/4	2,692.64	1/4	3,070.32	1/4	3,447.99
1/2	105.47	1/2	443.18	1/2	813.86	1/2	1,190.44	1/2	1,567.48	1/2	1,945.16	1/2	2,322.84	1/2	2,700.51	1/2	3,078.18	1/2	3,455.86
3/4	111.73	3/4	450.25	3/4	821.73	3/4	1,198.31	3/4	1,575.34	3/4	1,953.03	3/4	2,330.70	3/4	2,708.38	3/4	3,086.05	3/4	3,463.73
5	117.98	5	457.31	5	829.60	5	1,206.17	5	1,583.21	5	1,960.90	5	2,338.57	5	2,716.25	5	3,093.92	5	3,471.59
1/4	124.23	1/4	464.38	1/4	837.46	1/4	1,214.04	1/4	1,591.08	1/4	1,968.76	1/4	2,346.44	1/4	2,724.11	1/4	3,101.79	1/4	3,479.46
1/2	130.49	1/2	471.45	1/2	845.33	1/2	1,221.91	1/2	1,598.95	1/2	1,976.63	1/2	2,354.31	1/2	2,731.98	1/2	3,109.66	1/2	3,487.33
3/4	137.08	3/4	478.60	3/4	853.19	3/4	1,229.78	3/4	1,606.82	3/4	1,984.50	3/4	2,362.18	3/4	2,739.85	3/4	3,117.52	3/4	3,495.20
6	143.67	6	485.74	6	861.05	6	1,237.65	6	1,614.69	6	1,992.37	6	2,370.05	6	2,747.72	6	3,125.39	6	3,503.07
1/4	150.26	1/4	492.89	1/4	868.90	1/4	1,245.52	1/4	1,622.55	1/4	2,000.24	1/4	2,377.91	1/4	2,755.59	1/4	3,133.26	1/4	3,510.93
1/2	156.85	1/2	500.03	1/2	876.76	1/2	1,253.39	1/2	1,630.42	1/2	2,008.11	1/2	2,385.78	1/2	2,763.46	1/2	3,141.13	1/2	3,518.80
3/4	163.55	3/4	507.67	3/4	884.60	3/4	1,261.26	3/4	1,638.29	3/4	2,015.97	3/4	2,393.65	3/4	2,771.32	3/4	3,149.00	3/4	3,526.67
7	170.26	7	515.31	7	892.44	7	1,269.13	7	1,646.16	7	2,023.84	7	2,401.52	7	2,779.19	7	3,156.87	7	3,534.54
1/4	176.96	1/4	522.94	1/4	900.28	1/4	1,277.00	1/4	1,654.03	1/4	2,031.71	1/4	2,409.39	1/4	2,787.06	1/4	3,164.73	1/4	3,542.41
1/2	183.66	1/2	530.58	1/2	908.13	1/2	1,284.86	1/2	1,661.90	1/2	2,039.58	1/2	2,417.25	1/2	2,794.93	1/2	3,172.60	1/2	3,550.28
3/4	190.49	3/4	538.45	3/4	915.97	3/4	1,292.72	3/4	1,669.76	3/4	2,047.45	3/4	2,425.12	3/4	2,802.80	3/4	3,180.47	3/4	3,558.14
8	197.31	8	546.32	8	923.81	8	1,300.57	8	1,677.63	8	2,055.32	8	2,432.99	8	2,810.66	8	3,188.34	8	3,566.01
1/4	204.13	1/4	554.19	1/4	931.65	1/4	1,308.43	1/4	1,685.50	1/4	2,063.19	1/4	2,440.86	1/4	2,818.53	1/4	3,196.21	1/4	3,573.88
1/2	210.95	1/2	562.06	1/2	939.49	1/2	1,316.29	1/2	1,693.37	1/2	2,071.05	1/2	2,448.73	1/2	2,826.40	1/2	3,204.07	1/2	3,581.75
3/4	217.89	3/4	569.93	3/4	947.33	3/4	1,324.13	3/4	1,701.24	3/4	2,078.92	3/4	2,456.60	3/4	2,834.27	3/4	3,211.94	3/4	3,589.62
9	224.82	9	577.79	9	955.17	9	1,331.97	9	1,709.11	9	2,086.79	9	2,464.46	9	2,842.14	9	3,219.81	9	3,597.48
1/4	231.75	1/4	585.66	1/4	963.00	1/4	1,339.81	1/4	1,716.98	1/4	2,094.66	1/4	2,472.33	1/4	2,850.01	1/4	3,227.68	1/4	3,605.35
1/2	238.69	1/2	593.53	1/2	970.84	1/2	1,347.65	1/2	1,724.84	1/2	2,102.53	1/2	2,480.20	1/2	2,857.87	1/2	3,235.55	1/2	3,613.22
3/4	245.72	3/4	601.40	3/4	978.68	3/4	1,355.49	3/4	1,732.71	3/4	2,110.40	3/4	2,488.07	3/4	2,865.74	3/4	3,243.42	3/4	3,621.09
10	252.76	10	609.27	10	986.52	10	1,363.33	10	1,740.58	10	2,118.26	10	2,495.94	10	2,873.61	10	3,251.28	10	3,628.96
1/4	259.80	1/4	617.14	1/4	994.36	1/4	1,371.18	1/4	1,748.45	1/4	2,126.13	1/4	2,503.80	1/4	2,881.48	1/4	3,259.15	1/4	3,636.83
1/2	266.83	1/2	625.01	1/2	1,002.20	1/2	1,379.02	1/2	1,756.32	1/2	2,134.00	1/2	2,511.67	1/2	2,889.35	1/2	3,267.02	1/2	3,644.69
3/4	273.98	3/4	632.88	3/4	1,010.04	3/4	1,386.86	3/4	1,764.19	3/4	2,141.87	3/4	2,519.54	3/4	2,897.21	3/4	3,274.89	3/4	3,652.56
11	281.12	11	640.75	11	1,017.88	11	1,394.70	11	1,772.05	11	2,149.74	11	2,527.41	11	2,905.08	11	3,282.76	11	3,660.43
1/4	288.26	1/4	648.61	1/4	1,025.72	1/4	1,402.54	1/4	1,779.92	1/4	2,157.60	1/4	2,535.28	1/4	2,912.95	1/4	3,290.62	1/4	3,668.30
1/2	295.40	1/2	656.48	1/2	1,033.56	1/2	1,410.38	1/2	1,787.79	1/2	2,165.47	1/2	2,543.15	1/2	2,920.82	1/2	3,298.49	1/2	3,676.17
3/4	302.64	3/4	664.35	3/4	1,041.40	3/4	1,418.22	3/4	1,795.66	3/4	2,173.34	3/4	2,551.01	3/4	2,928.69	3/4	3,306.36	3/4	3,684.03

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 AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 45'-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 27771"

**1 STBD
INNAGE 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	3,691.90	0	4,067.98	0	4,426.33	0	4,759.03	0		0		0		0		0		0	
1/4	3,699.77	1/4	4,075.68	1/4	4,433.51	1/4	4,765.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,707.64	1/2	4,083.38	1/2	4,440.69	1/2	4,772.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.51	3/4	4,091.04	3/4	4,447.81	3/4	4,779.10	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,723.38	1	4,098.70	1	4,454.93	1	4,785.77	1		1		1		1		1		1	
1/4	3,731.24	1/4	4,106.36	1/4	4,462.05	1/4	4,792.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,739.11	1/2	4,114.02	1/2	4,469.17	1/2	4,799.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,746.98	3/4	4,121.64	3/4	4,476.25	3/4	4,806.02	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,754.85	2	4,129.26	2	4,483.33	2	4,812.95	2		2		2		2		2		2	
1/4	3,762.72	1/4	4,136.88	1/4	4,490.42	1/4	4,819.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,770.59	1/2	4,144.50	1/2	4,497.50	1/2	4,826.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,778.45	3/4	4,152.09	3/4	4,504.54	3/4	4,834.29	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,786.32	3	4,159.67	3	4,511.59	3	4,841.79	3		3		3		3		3		3	
1/4	3,794.19	1/4	4,167.26	1/4	4,518.63	1/4	4,849.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,802.06	1/2	4,174.84	1/2	4,525.68	1/2	4,856.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,809.93	3/4	4,182.39	3/4	4,532.68	3/4	4,864.56	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,817.79	4	4,189.93	4	4,539.69	4	4,872.35	4		4		4		4		4		4	
1/4	3,825.66	1/4	4,197.48	1/4	4,546.69	1/4	4,880.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,833.53	1/2	4,205.02	1/2	4,553.70	1/2	4,887.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,841.40	3/4	4,212.53	3/4	4,560.67	3/4	4,895.51	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,849.27	5	4,220.04	5	4,567.64	5	4,903.11	5		5		5		5		5		5	
1/4	3,857.14	1/4	4,227.55	1/4	4,574.61	1/4	4,910.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,865.00	1/2	4,235.05	1/2	4,581.57	1/2	4,918.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,872.87	3/4	4,242.52	3/4	4,588.50	3/4	4,925.09	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,880.74	6	4,249.99	6	4,595.43	6	4,931.87	6		6		6		6		6		6	
1/4	3,888.61	1/4	4,257.46	1/4	4,602.36	1/4	4,938.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,896.48	1/2	4,264.93	1/2	4,609.29	1/2	4,945.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,904.34	3/4	4,272.37	3/4	4,616.19	3/4	4,950.91	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,912.20	7	4,279.80	7	4,623.08	7	4,956.40	7		7		7		7		7		7	
1/4	3,920.07	1/4	4,287.23	1/4	4,629.97	1/4	4,961.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,927.93	1/2	4,294.66	1/2	4,636.86	1/2	4,967.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,935.77	3/4	4,302.06	3/4	4,643.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,943.62	8	4,309.45	8	4,650.57	8		8		8		8		8		8		8	
1/4	3,951.46	1/4	4,316.85	1/4	4,657.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,959.31	1/2	4,324.24	1/2	4,664.28	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,967.12	3/4	4,331.60	3/4	4,671.10	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,974.93	9	4,338.95	9	4,677.92	9		9		9		9		9		9		9	
1/4	3,982.74	1/4	4,346.31	1/4	4,684.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,990.55	1/2	4,353.66	1/2	4,691.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,998.33	3/4	4,360.98	3/4	4,698.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	4,006.10	10	4,368.30	10	4,705.11	10		10		10		10		10		10		10	
1/4	4,013.87	1/4	4,375.62	1/4	4,711.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,021.65	1/2	4,382.94	1/2	4,718.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,029.38	3/4	4,390.20	3/4	4,725.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,037.12	11	4,397.46	11	4,732.15	11		11		11		11		11		11		11	
1/4	4,044.85	1/4	4,404.71	1/4	4,738.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,052.59	1/2	4,411.97	1/2	4,745.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,060.29	3/4	4,419.15	3/4	4,752.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2021

PRECISION MEASUREMENT
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BARGE "KIRBY 27771"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

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	23.07	0	366.57	0	718.42	0	1,067.36	0	1,418.21	0	1,775.51	0	2,134.75	0	2,493.99	0	2,853.22	0	3,212.46
1/4	28.05	1/4	374.04	1/4	725.91	1/4	1,074.51	1/4	1,425.53	1/4	1,782.99	1/4	2,142.23	1/4	2,501.47	1/4	2,860.71	1/4	3,219.95
1/2	33.04	1/2	381.52	1/2	733.39	1/2	1,081.67	1/2	1,432.85	1/2	1,790.48	1/2	2,149.72	1/2	2,508.96	1/2	2,868.19	1/2	3,227.43
3/4	39.85	3/4	388.98	3/4	740.87	3/4	1,088.82	3/4	1,440.17	3/4	1,797.96	3/4	2,157.20	3/4	2,516.44	3/4	2,875.68	3/4	3,234.91
1	46.66	1	396.44	1	748.36	1	1,095.97	1	1,447.49	1	1,805.44	1	2,164.69	1	2,523.92	1	2,883.16	1	3,242.40
1/4	53.47	1/4	403.91	1/4	755.84	1/4	1,103.13	1/4	1,454.82	1/4	1,812.93	1/4	2,172.17	1/4	2,531.41	1/4	2,890.64	1/4	3,249.88
1/2	60.28	1/2	411.37	1/2	763.33	1/2	1,110.28	1/2	1,462.14	1/2	1,820.41	1/2	2,179.66	1/2	2,538.89	1/2	2,898.13	1/2	3,257.37
3/4	67.47	3/4	418.82	3/4	770.81	3/4	1,117.44	3/4	1,469.46	3/4	1,827.90	3/4	2,187.14	3/4	2,546.38	3/4	2,905.61	3/4	3,264.85
2	74.66	2	426.28	2	778.30	2	1,124.59	2	1,476.78	2	1,835.38	2	2,194.62	2	2,553.86	2	2,913.10	2	3,272.33
1/4	81.85	1/4	433.73	1/4	785.78	1/4	1,131.75	1/4	1,484.11	1/4	1,842.87	1/4	2,202.11	1/4	2,561.34	1/4	2,920.58	1/4	3,279.82
1/2	89.04	1/2	441.19	1/2	793.27	1/2	1,138.90	1/2	1,491.43	1/2	1,850.35	1/2	2,209.59	1/2	2,568.83	1/2	2,928.07	1/2	3,287.30
3/4	95.81	3/4	448.65	3/4	800.75	3/4	1,146.06	3/4	1,498.83	3/4	1,857.83	3/4	2,217.08	3/4	2,576.31	3/4	2,935.55	3/4	3,294.79
3	102.59	3	456.11	3	808.24	3	1,153.21	3	1,506.23	3	1,865.32	3	2,224.56	3	2,583.80	3	2,943.03	3	3,302.27
1/4	109.37	1/4	463.58	1/4	815.72	1/4	1,160.37	1/4	1,513.64	1/4	1,872.80	1/4	2,232.04	1/4	2,591.28	1/4	2,950.52	1/4	3,309.75
1/2	116.15	1/2	471.04	1/2	823.20	1/2	1,167.52	1/2	1,521.04	1/2	1,880.29	1/2	2,239.53	1/2	2,598.76	1/2	2,958.00	1/2	3,317.24
3/4	122.94	3/4	478.29	3/4	830.54	3/4	1,174.70	3/4	1,528.52	3/4	1,887.77	3/4	2,247.01	3/4	2,606.25	3/4	2,965.49	3/4	3,324.72
4	129.74	4	485.55	4	837.87	4	1,181.87	4	1,536.01	4	1,895.26	4	2,254.50	4	2,613.73	4	2,972.97	4	3,332.21
1/4	136.53	1/4	492.81	1/4	845.21	1/4	1,189.04	1/4	1,543.49	1/4	1,902.74	1/4	2,261.98	1/4	2,621.22	1/4	2,980.45	1/4	3,339.69
1/2	143.32	1/2	500.06	1/2	852.54	1/2	1,196.21	1/2	1,550.98	1/2	1,910.22	1/2	2,269.46	1/2	2,628.70	1/2	2,987.94	1/2	3,347.17
3/4	150.55	3/4	506.89	3/4	859.72	3/4	1,203.54	3/4	1,558.46	3/4	1,917.71	3/4	2,276.95	3/4	2,636.19	3/4	2,995.42	3/4	3,354.66
5	157.78	5	513.71	5	866.91	5	1,210.88	5	1,565.95	5	1,925.19	5	2,284.43	5	2,643.67	5	3,002.91	5	3,362.14
1/4	165.01	1/4	520.53	1/4	874.09	1/4	1,218.21	1/4	1,573.43	1/4	1,932.68	1/4	2,291.92	1/4	2,651.15	1/4	3,010.39	1/4	3,369.63
1/2	172.25	1/2	527.35	1/2	881.27	1/2	1,225.54	1/2	1,580.91	1/2	1,940.16	1/2	2,299.40	1/2	2,658.64	1/2	3,017.87	1/2	3,377.11
3/4	179.70	3/4	534.17	3/4	888.44	3/4	1,233.03	3/4	1,588.40	3/4	1,947.65	3/4	2,306.88	3/4	2,666.12	3/4	3,025.36	3/4	3,384.60
6	187.15	6	540.99	6	895.62	6	1,240.51	6	1,595.88	6	1,955.13	6	2,314.37	6	2,673.61	6	3,032.84	6	3,392.08
1/4	194.60	1/4	547.82	1/4	902.79	1/4	1,248.00	1/4	1,603.37	1/4	1,962.61	1/4	2,321.85	1/4	2,681.09	1/4	3,040.33	1/4	3,399.56
1/2	202.05	1/2	554.64	1/2	909.96	1/2	1,255.48	1/2	1,610.85	1/2	1,970.10	1/2	2,329.34	1/2	2,688.57	1/2	3,047.81	1/2	3,407.05
3/4	209.52	3/4	561.90	3/4	917.11	3/4	1,262.97	3/4	1,618.34	3/4	1,977.58	3/4	2,336.82	3/4	2,696.06	3/4	3,055.29	3/4	3,414.53
7	216.98	7	569.16	7	924.27	7	1,270.45	7	1,625.82	7	1,985.07	7	2,344.31	7	2,703.54	7	3,062.78	7	3,422.02
1/4	224.44	1/4	576.43	1/4	931.43	1/4	1,277.94	1/4	1,633.30	1/4	1,992.55	1/4	2,351.79	1/4	2,711.03	1/4	3,070.26	1/4	3,429.50
1/2	231.90	1/2	583.69	1/2	938.58	1/2	1,285.42	1/2	1,640.79	1/2	2,000.04	1/2	2,359.27	1/2	2,718.51	1/2	3,077.75	1/2	3,436.98
3/4	239.38	3/4	591.18	3/4	945.74	3/4	1,292.91	3/4	1,648.27	3/4	2,007.52	3/4	2,366.76	3/4	2,725.99	3/4	3,085.23	3/4	3,444.47
8	246.85	8	598.66	8	952.89	8	1,300.39	8	1,655.76	8	2,015.01	8	2,374.24	8	2,733.48	8	3,092.72	8	3,451.95
1/4	254.33	1/4	606.15	1/4	960.04	1/4	1,307.88	1/4	1,663.24	1/4	2,022.49	1/4	2,381.73	1/4	2,740.96	1/4	3,100.20	1/4	3,459.44
1/2	261.81	1/2	613.63	1/2	967.20	1/2	1,315.36	1/2	1,670.73	1/2	2,029.97	1/2	2,389.21	1/2	2,748.45	1/2	3,107.68	1/2	3,466.92
3/4	269.29	3/4	621.12	3/4	974.35	3/4	1,322.77	3/4	1,678.21	3/4	2,037.46	3/4	2,396.69	3/4	2,755.93	3/4	3,115.17	3/4	3,474.40
9	276.77	9	628.60	9	981.51	9	1,330.17	9	1,685.70	9	2,044.94	9	2,404.18	9	2,763.42	9	3,122.65	9	3,481.89
1/4	284.26	1/4	636.09	1/4	988.66	1/4	1,337.58	1/4	1,693.18	1/4	2,052.43	1/4	2,411.66	1/4	2,770.90	1/4	3,130.14	1/4	3,489.37
1/2	291.74	1/2	643.57	1/2	995.82	1/2	1,344.98	1/2	1,700.66	1/2	2,059.91	1/2	2,419.15	1/2	2,778.38	1/2	3,137.62	1/2	3,496.86
3/4	299.23	3/4	651.06	3/4	1,002.97	3/4	1,352.30	3/4	1,708.15	3/4	2,067.39	3/4	2,426.63	3/4	2,785.87	3/4	3,145.10	3/4	3,504.34
10	306.71	10	658.54	10	1,010.12	10	1,359.63	10	1,715.63	10	2,074.88	10	2,434.11	10	2,793.35	10	3,152.59	10	3,511.83
1/4	314.19	1/4	666.03	1/4	1,017.28	1/4	1,366.95	1/4	1,723.12	1/4	2,082.36	1/4	2,441.60	1/4	2,800.84	1/4	3,160.07	1/4	3,519.31
1/2	321.68	1/2	673.51	1/2	1,024.43	1/2	1,374.27	1/2	1,730.60	1/2	2,089.85	1/2	2,449.08	1/2	2,808.32	1/2	3,167.56	1/2	3,526.79
3/4	329.16	3/4	681.00	3/4	1,031.59	3/4	1,381.59	3/4	1,738.09	3/4	2,097.33	3/4	2,456.57	3/4	2,815.80	3/4	3,175.04	3/4	3,534.28
11	336.65	11	688.48	11	1,038.74	11	1,388.92	11	1,745.57	11	2,104.81	11	2,464.05	11	2,823.29	11	3,182.52	11	3,541.76
1/4	344.13	1/4	695.97	1/4	1,045.89	1/4	1,396.24	1/4	1,753.05	1/4	2,112.30	1/4	2,471.54	1/4	2,830.77	1/4	3,190.01	1/4	3,549.25
1/2	351.61	1/2	703.45	1/2	1,053.05	1/2	1,403.56	1/2	1,760.54	1/2	2,119.78	1/2	2,479.02	1/2	2,838.26	1/2	3,197.49	1/2	3,556.73
3/4	359.09	3/4	710.94	3/4	1,060.20	3/4	1,410.88	3/4	1,768.02	3/4	2,127.27	3/4	2,486.50	3/4	2,845.74	3/4	3,204.98	3/4	3,564.21

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 AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 45'-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 27771"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,571.70	0	3,929.42	0	4,270.26	0	4,586.52	0		0		0		0		0		0	
1/4	3,579.18	1/4	3,936.74	1/4	4,277.09	1/4	4,592.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,586.67	1/2	3,944.06	1/2	4,283.91	1/2	4,599.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,594.15	3/4	3,951.35	3/4	4,290.68	3/4	4,605.60	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,601.63	1	3,958.63	1	4,297.45	1	4,611.94	1		1		1		1		1		1	
1/4	3,609.12	1/4	3,965.92	1/4	4,304.22	1/4	4,618.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,616.60	1/2	3,973.21	1/2	4,310.99	1/2	4,624.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,624.09	3/4	3,980.46	3/4	4,317.72	3/4	4,631.19	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,631.57	2	3,987.70	2	4,324.45	2	4,637.77	2		2		2		2		2		2	
1/4	3,639.05	1/4	3,994.95	1/4	4,331.18	1/4	4,644.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,646.54	1/2	4,002.20	1/2	4,337.92	1/2	4,650.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,654.02	3/4	4,009.42	3/4	4,344.61	3/4	4,658.07	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,661.51	3	4,016.63	3	4,351.31	3	4,665.19	3		3		3		3		3		3	
1/4	3,668.99	1/4	4,023.84	1/4	4,358.00	1/4	4,672.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,676.48	1/2	4,031.06	1/2	4,364.70	1/2	4,679.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,683.96	3/4	4,038.24	3/4	4,371.36	3/4	4,686.84	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,691.44	4	4,045.41	4	4,378.02	4	4,694.24	4		4		4		4		4		4	
1/4	3,698.93	1/4	4,052.59	1/4	4,384.68	1/4	4,701.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,706.41	1/2	4,059.77	1/2	4,391.34	1/2	4,709.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,713.90	3/4	4,066.91	3/4	4,397.96	3/4	4,716.26	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,721.38	5	4,074.05	5	4,404.59	5	4,723.48	5		5		5		5		5		5	
1/4	3,728.86	1/4	4,081.19	1/4	4,411.21	1/4	4,730.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,736.35	1/2	4,088.33	1/2	4,417.84	1/2	4,737.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,743.83	3/4	4,095.44	3/4	4,424.42	3/4	4,744.37	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,751.32	6	4,102.54	6	4,431.01	6	4,750.82	6		6		6		6		6		6	
1/4	3,758.80	1/4	4,109.65	1/4	4,437.60	1/4	4,757.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,766.28	1/2	4,116.76	1/2	4,444.19	1/2	4,763.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,773.76	3/4	4,123.82	3/4	4,450.74	3/4	4,768.92	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,781.24	7	4,130.89	7	4,457.29	7	4,774.14	7		7		7		7		7		7	
1/4	3,788.72	1/4	4,137.96	1/4	4,463.84	1/4	4,779.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,796.20	1/2	4,145.03	1/2	4,470.40	1/2	4,784.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,803.66	3/4	4,152.07	3/4	4,476.91	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,811.13	8	4,159.10	8	4,483.43	8		8		8		8		8		8		8	
1/4	3,818.59	1/4	4,166.13	1/4	4,489.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,826.05	1/2	4,173.17	1/2	4,496.46	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,833.48	3/4	4,180.16	3/4	4,502.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,840.91	9	4,187.16	9	4,509.42	9		9		9		9		9		9		9	
1/4	3,848.34	1/4	4,194.16	1/4	4,515.90	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,855.77	1/2	4,201.15	1/2	4,522.38	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,863.16	3/4	4,208.11	3/4	4,528.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,870.56	10	4,215.08	10	4,535.26	10		10		10		10		10		10		10	
1/4	3,877.95	1/4	4,222.04	1/4	4,541.71	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,885.34	1/2	4,229.00	1/2	4,548.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,892.70	3/4	4,235.90	3/4	4,554.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,900.06	11	4,242.81	11	4,560.97	11		11		11		11		11		11		11	
1/4	3,907.42	1/4	4,249.71	1/4	4,567.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,914.78	1/2	4,256.61	1/2	4,573.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,922.10	3/4	4,263.44	3/4	4,580.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2011 CL - SW
 RECALCULATED: 12/14/2021 PMA
 REPRINTED: 12/14/2021 PMA

CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2021

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
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BARGE "KIRBY 27771"

2 STBD INNAGE 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	23.08	0	366.74	0	718.76	0	1,077.52	0	1,434.57	0	1,792.04	0	2,151.46	0	2,510.87	0	2,870.28	0	3,229.68
1/4	28.07	1/4	374.22	1/4	726.25	1/4	1,084.98	1/4	1,441.89	1/4	1,799.53	1/4	2,158.94	1/4	2,518.35	1/4	2,877.76	1/4	3,237.17
1/2	33.06	1/2	381.70	1/2	733.74	1/2	1,092.44	1/2	1,449.22	1/2	1,807.01	1/2	2,166.43	1/2	2,525.84	1/2	2,885.25	1/2	3,244.66
3/4	39.87	3/4	389.17	3/4	741.22	3/4	1,099.90	3/4	1,456.54	3/4	1,814.50	3/4	2,173.92	3/4	2,533.33	3/4	2,892.74	3/4	3,252.15
1	46.68	1	396.63	1	748.71	1	1,107.36	1	1,463.87	1	1,821.99	1	2,181.41	1	2,540.82	1	2,900.23	1	3,259.64
1/4	53.50	1/4	404.10	1/4	756.20	1/4	1,114.82	1/4	1,471.19	1/4	1,829.48	1/4	2,188.89	1/4	2,548.30	1/4	2,907.71	1/4	3,267.12
1/2	60.31	1/2	411.56	1/2	763.69	1/2	1,122.27	1/2	1,478.52	1/2	1,836.97	1/2	2,196.38	1/2	2,555.79	1/2	2,915.20	1/2	3,274.61
3/4	67.50	3/4	419.02	3/4	771.18	3/4	1,129.73	3/4	1,485.85	3/4	1,844.45	3/4	2,203.87	3/4	2,563.28	3/4	2,922.69	3/4	3,282.10
2	74.69	2	426.48	2	778.67	2	1,137.19	2	1,493.17	2	1,851.94	2	2,211.36	2	2,570.77	2	2,930.18	2	3,289.59
1/4	81.89	1/4	433.94	1/4	786.15	1/4	1,144.65	1/4	1,500.50	1/4	1,859.43	1/4	2,218.85	1/4	2,578.25	1/4	2,937.66	1/4	3,297.07
1/2	89.08	1/2	441.40	1/2	793.64	1/2	1,152.11	1/2	1,507.82	1/2	1,866.92	1/2	2,226.33	1/2	2,585.74	1/2	2,945.15	1/2	3,304.56
3/4	95.86	3/4	448.86	3/4	801.13	3/4	1,159.57	3/4	1,515.23	3/4	1,874.40	3/4	2,233.82	3/4	2,593.23	3/4	2,952.64	3/4	3,312.05
3	102.64	3	456.33	3	808.62	3	1,167.03	3	1,522.64	3	1,881.89	3	2,241.31	3	2,600.72	3	2,960.13	3	3,319.54
1/4	109.42	1/4	463.80	1/4	816.11	1/4	1,174.49	1/4	1,530.04	1/4	1,889.38	1/4	2,248.80	1/4	2,608.21	1/4	2,967.62	1/4	3,327.02
1/2	116.21	1/2	471.26	1/2	823.60	1/2	1,181.96	1/2	1,537.45	1/2	1,896.87	1/2	2,256.28	1/2	2,615.69	1/2	2,975.10	1/2	3,334.51
3/4	123.00	3/4	478.52	3/4	831.08	3/4	1,189.43	3/4	1,544.94	3/4	1,904.36	3/4	2,263.77	3/4	2,623.18	3/4	2,982.59	3/4	3,342.00
4	129.80	4	485.78	4	838.57	4	1,196.91	4	1,552.43	4	1,911.84	4	2,271.26	4	2,630.67	4	2,990.08	4	3,349.49
1/4	136.59	1/4	493.04	1/4	846.06	1/4	1,204.38	1/4	1,559.91	1/4	1,919.33	1/4	2,278.75	1/4	2,638.16	1/4	2,997.57	1/4	3,356.98
1/2	143.38	1/2	500.30	1/2	853.55	1/2	1,211.86	1/2	1,567.40	1/2	1,926.82	1/2	2,286.23	1/2	2,645.64	1/2	3,005.05	1/2	3,364.46
3/4	150.62	3/4	507.13	3/4	861.04	3/4	1,219.35	3/4	1,574.89	3/4	1,934.31	3/4	2,293.72	3/4	2,653.13	3/4	3,012.54	3/4	3,371.95
5	157.85	5	513.95	5	868.53	5	1,226.84	5	1,582.38	5	1,941.80	5	2,301.21	5	2,660.62	5	3,020.03	5	3,379.44
1/4	165.09	1/4	520.77	1/4	876.01	1/4	1,234.33	1/4	1,589.86	1/4	1,949.28	1/4	2,308.70	1/4	2,668.11	1/4	3,027.52	1/4	3,386.93
1/2	172.32	1/2	527.60	1/2	883.50	1/2	1,241.81	1/2	1,597.35	1/2	1,956.77	1/2	2,316.19	1/2	2,675.60	1/2	3,035.00	1/2	3,394.41
3/4	179.78	3/4	534.42	3/4	890.98	3/4	1,249.30	3/4	1,604.84	3/4	1,964.26	3/4	2,323.67	3/4	2,683.08	3/4	3,042.49	3/4	3,401.90
6	187.24	6	541.25	6	898.45	6	1,256.79	6	1,612.33	6	1,971.75	6	2,331.16	6	2,690.57	6	3,049.98	6	3,409.39
1/4	194.69	1/4	548.07	1/4	905.93	1/4	1,264.28	1/4	1,619.82	1/4	1,979.24	1/4	2,338.65	1/4	2,698.06	1/4	3,057.47	1/4	3,416.88
1/2	202.15	1/2	554.90	1/2	913.40	1/2	1,271.77	1/2	1,627.30	1/2	1,986.72	1/2	2,346.14	1/2	2,705.55	1/2	3,064.96	1/2	3,424.37
3/4	209.61	3/4	562.16	3/4	920.87	3/4	1,279.26	3/4	1,634.79	3/4	1,994.21	3/4	2,353.62	3/4	2,713.03	3/4	3,072.44	3/4	3,431.85
7	217.08	7	569.43	7	928.33	7	1,286.75	7	1,642.28	7	2,001.70	7	2,361.11	7	2,720.52	7	3,079.93	7	3,439.34
1/4	224.54	1/4	576.70	1/4	935.79	1/4	1,294.23	1/4	1,649.77	1/4	2,009.19	1/4	2,368.60	1/4	2,728.01	1/4	3,087.42	1/4	3,446.83
1/2	232.01	1/2	583.97	1/2	943.25	1/2	1,301.72	1/2	1,657.26	1/2	2,016.68	1/2	2,376.09	1/2	2,735.50	1/2	3,094.91	1/2	3,454.32
3/4	239.49	3/4	591.45	3/4	950.71	3/4	1,309.21	3/4	1,664.74	3/4	2,024.17	3/4	2,383.57	3/4	2,742.98	3/4	3,102.39	3/4	3,461.80
8	246.97	8	598.94	8	958.17	8	1,316.70	8	1,672.23	8	2,031.65	8	2,391.06	8	2,750.47	8	3,109.88	8	3,469.29
1/4	254.45	1/4	606.43	1/4	965.63	1/4	1,324.19	1/4	1,679.72	1/4	2,039.14	1/4	2,398.55	1/4	2,757.96	1/4	3,117.37	1/4	3,476.78
1/2	261.93	1/2	613.92	1/2	973.09	1/2	1,331.68	1/2	1,687.21	1/2	2,046.63	1/2	2,406.04	1/2	2,765.45	1/2	3,124.86	1/2	3,484.27
3/4	269.42	3/4	621.41	3/4	980.55	3/4	1,339.08	3/4	1,694.70	3/4	2,054.12	3/4	2,413.53	3/4	2,772.94	3/4	3,132.34	3/4	3,491.75
9	276.90	9	628.90	9	988.01	9	1,346.49	9	1,702.18	9	2,061.60	9	2,421.01	9	2,780.42	9	3,139.83	9	3,499.24
1/4	284.39	1/4	636.39	1/4	995.46	1/4	1,353.90	1/4	1,709.67	1/4	2,069.09	1/4	2,428.50	1/4	2,787.91	1/4	3,147.32	1/4	3,506.73
1/2	291.88	1/2	643.88	1/2	1,002.92	1/2	1,361.31	1/2	1,717.16	1/2	2,076.58	1/2	2,435.99	1/2	2,795.40	1/2	3,154.81	1/2	3,514.22
3/4	299.37	3/4	651.36	3/4	1,010.38	3/4	1,368.63	3/4	1,724.65	3/4	2,084.07	3/4	2,443.48	3/4	2,802.89	3/4	3,162.30	3/4	3,521.71
10	306.85	10	658.85	10	1,017.84	10	1,375.96	10	1,732.13	10	2,091.55	10	2,450.96	10	2,810.37	10	3,169.78	10	3,529.19
1/4	314.34	1/4	666.34	1/4	1,025.30	1/4	1,383.29	1/4	1,739.62	1/4	2,099.04	1/4	2,458.45	1/4	2,817.86	1/4	3,177.27	1/4	3,536.68
1/2	321.83	1/2	673.83	1/2	1,032.76	1/2	1,390.61	1/2	1,747.11	1/2	2,106.53	1/2	2,465.94	1/2	2,825.35	1/2	3,184.76	1/2	3,544.17
3/4	329.32	3/4	681.32	3/4	1,040.22	3/4	1,397.94	3/4	1,754.60	3/4	2,114.02	3/4	2,473.43	3/4	2,832.84	3/4	3,192.25	3/4	3,551.66
11	336.80	11	688.81	11	1,047.68	11	1,405.26	11	1,762.09	11	2,121.51	11	2,480.91	11	2,840.32	11	3,199.73	11	3,559.14
1/4	344.29	1/4	696.29	1/4	1,055.14	1/4	1,412.59	1/4	1,769.57	1/4	2,128.99	1/4	2,488.40	1/4	2,847.81	1/4	3,207.22	1/4	3,566.63
1/2	351.78	1/2	703.78	1/2	1,062.60	1/2	1,419.91	1/2	1,777.06	1/2	2,136.48	1/2	2,495.89	1/2	2,855.30	1/2	3,214.71	1/2	3,574.12
3/4	359.26	3/4	711.27	3/4	1,070.06	3/4	1,427.24	3/4	1,784.55	3/4	2,143.97	3/4	2,503.38	3/4	2,862.79	3/4	3,222.20	3/4	3,581.61

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 AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 27771"

2 STBD INNAGE 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	3,589.09	0	3,946.99	0	4,287.99	0	4,604.37	0		0		0		0		0		0	
1/4	3,596.58	1/4	3,954.32	1/4	4,294.82	1/4	4,610.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,604.07	1/2	3,961.64	1/2	4,301.65	1/2	4,617.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,611.56	3/4	3,968.93	3/4	4,308.42	3/4	4,623.46	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,619.05	1	3,976.22	1	4,315.19	1	4,629.79	1		1		1		1		1		1	
1/4	3,626.53	1/4	3,983.51	1/4	4,321.96	1/4	4,636.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,634.02	1/2	3,990.80	1/2	4,328.73	1/2	4,642.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,641.51	3/4	3,998.05	3/4	4,335.46	3/4	4,649.05	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,649.00	2	4,005.31	2	4,342.20	2	4,655.64	2		2		2		2		2		2	
1/4	3,656.48	1/4	4,012.56	1/4	4,348.93	1/4	4,662.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,663.97	1/2	4,019.81	1/2	4,355.67	1/2	4,668.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,671.46	3/4	4,027.03	3/4	4,362.37	3/4	4,675.94	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,678.95	3	4,034.25	3	4,369.07	3	4,683.07	3		3		3		3		3		3	
1/4	3,686.43	1/4	4,041.46	1/4	4,375.77	1/4	4,690.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,693.92	1/2	4,048.68	1/2	4,382.46	1/2	4,697.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,701.41	3/4	4,055.86	3/4	4,389.13	3/4	4,704.73	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,708.90	4	4,063.04	4	4,395.79	4	4,712.13	4		4		4		4		4		4	
1/4	3,716.39	1/4	4,070.22	1/4	4,402.45	1/4	4,719.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,723.87	1/2	4,077.40	1/2	4,409.11	1/2	4,726.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,731.36	3/4	4,084.55	3/4	4,415.74	3/4	4,734.16	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,738.85	5	4,091.69	5	4,422.37	5	4,741.39	5		5		5		5		5		5	
1/4	3,746.34	1/4	4,098.84	1/4	4,428.99	1/4	4,748.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,753.82	1/2	4,105.98	1/2	4,435.62	1/2	4,755.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,761.31	3/4	4,113.09	3/4	4,442.21	3/4	4,762.30	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,768.80	6	4,120.20	6	4,448.80	6	4,768.74	6		6		6		6		6		6	
1/4	3,776.29	1/4	4,127.31	1/4	4,455.39	1/4	4,775.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,783.77	1/2	4,134.41	1/2	4,461.98	1/2	4,781.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,791.26	3/4	4,141.49	3/4	4,468.54	3/4	4,788.86	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,798.74	7	4,148.56	7	4,475.09	7	4,792.08	7		7		7		7		7		7	
1/4	3,806.23	1/4	4,155.63	1/4	4,481.65	1/4	4,797.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,813.71	1/2	4,162.70	1/2	4,488.20	1/2	4,802.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,821.18	3/4	4,169.74	3/4	4,494.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,828.64	8	4,176.78	8	4,501.24	8		8		8		8		8		8		8	
1/4	3,836.11	1/4	4,183.81	1/4	4,507.75	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,843.57	1/2	4,190.85	1/2	4,514.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,851.01	3/4	4,197.85	3/4	4,520.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,858.44	9	4,204.85	9	4,527.24	9		9		9		9		9		9		9	
1/4	3,865.87	1/4	4,211.85	1/4	4,533.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,873.31	1/2	4,218.85	1/2	4,540.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,880.71	3/4	4,225.81	3/4	4,546.65	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,888.10	10	4,232.78	10	4,553.09	10		10		10		10		10		10		10	
1/4	3,895.50	1/4	4,239.74	1/4	4,559.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,902.90	1/2	4,246.71	1/2	4,565.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,910.26	3/4	4,253.61	3/4	4,572.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,917.62	11	4,260.52	11	4,578.80	11		11		11		11		11		11		11	
1/4	3,924.98	1/4	4,267.43	1/4	4,585.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,932.34	1/2	4,274.33	1/2	4,591.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,939.67	3/4	4,281.16	3/4	4,598.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2011 CL - SW
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CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2021

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



BARGE "KIRBY 27771"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	46.35	0	319.42	0	666.19	0	1,012.20	0	1,362.51	0	1,717.76	0	2,074.53	0	2,431.30	0	2,788.07	0	3,144.89
1/4	46.86	1/4	326.83	1/4	673.42	1/4	1,019.40	1/4	1,369.78	1/4	1,725.19	1/4	2,081.97	1/4	2,438.74	1/4	2,795.50	1/4	3,152.34
1/2	47.37	1/2	334.23	1/2	680.64	1/2	1,026.59	1/2	1,377.05	1/2	1,732.62	1/2	2,089.40	1/2	2,446.17	1/2	2,802.94	1/2	3,159.80
3/4	48.72	3/4	341.64	3/4	687.87	3/4	1,033.79	3/4	1,384.30	3/4	1,740.06	3/4	2,096.83	3/4	2,453.60	3/4	2,810.37	3/4	3,167.25
1	50.07	1	349.05	1	695.10	1	1,040.98	1	1,391.55	1	1,747.49	1	2,104.26	1	2,461.03	1	2,817.80	1	3,174.71
1/4	51.43	1/4	356.46	1/4	702.32	1/4	1,048.18	1/4	1,398.80	1/4	1,754.92	1/4	2,111.70	1/4	2,468.47	1/4	2,825.24	1/4	3,182.16
1/2	52.78	1/2	363.86	1/2	709.55	1/2	1,055.37	1/2	1,406.04	1/2	1,762.35	1/2	2,119.13	1/2	2,475.90	1/2	2,832.67	1/2	3,189.62
3/4	54.96	3/4	371.29	3/4	716.78	3/4	1,062.57	3/4	1,413.45	3/4	1,769.79	3/4	2,126.56	3/4	2,483.33	3/4	2,840.10	3/4	3,197.07
2	57.13	2	378.71	2	724.01	2	1,069.77	2	1,420.86	2	1,777.22	2	2,133.99	2	2,490.76	2	2,847.53	2	3,204.53
1/4	59.31	1/4	386.13	1/4	731.23	1/4	1,076.97	1/4	1,428.27	1/4	1,784.65	1/4	2,141.43	1/4	2,498.20	1/4	2,854.97	1/4	3,211.98
1/2	61.49	1/2	393.56	1/2	738.46	1/2	1,084.17	1/2	1,435.68	1/2	1,792.09	1/2	2,148.86	1/2	2,505.63	1/2	2,862.40	1/2	3,219.44
3/4	65.35	3/4	400.55	3/4	745.69	3/4	1,091.38	3/4	1,443.09	3/4	1,799.52	3/4	2,156.29	3/4	2,513.06	3/4	2,869.83	3/4	3,226.89
3	69.21	3	407.55	3	752.91	3	1,098.59	3	1,450.50	3	1,806.95	3	2,163.73	3	2,520.49	3	2,877.26	3	3,234.35
1/4	73.08	1/4	414.55	1/4	760.14	1/4	1,105.79	1/4	1,457.91	1/4	1,814.39	1/4	2,171.16	1/4	2,527.93	1/4	2,884.70	1/4	3,241.80
1/2	76.94	1/2	421.54	1/2	767.37	1/2	1,113.00	1/2	1,465.32	1/2	1,821.82	1/2	2,178.59	1/2	2,535.36	1/2	2,892.13	1/2	3,249.26
3/4	82.48	3/4	428.10	3/4	774.59	3/4	1,120.42	3/4	1,472.73	3/4	1,829.25	3/4	2,186.02	3/4	2,542.79	3/4	2,899.56	3/4	3,256.71
4	88.02	4	434.66	4	781.82	4	1,127.84	4	1,480.14	4	1,836.68	4	2,193.46	4	2,550.23	4	2,907.00	4	3,264.17
1/4	93.56	1/4	441.21	1/4	789.05	1/4	1,135.25	1/4	1,487.55	1/4	1,844.12	1/4	2,200.89	1/4	2,557.66	1/4	2,914.43	1/4	3,271.62
1/2	99.10	1/2	447.77	1/2	796.27	1/2	1,142.67	1/2	1,494.96	1/2	1,851.55	1/2	2,208.32	1/2	2,565.09	1/2	2,921.86	1/2	3,279.08
3/4	105.88	3/4	454.77	3/4	803.48	3/4	1,150.09	3/4	1,502.37	3/4	1,858.98	3/4	2,215.75	3/4	2,572.52	3/4	2,929.29	3/4	3,286.53
5	112.67	5	461.76	5	810.68	5	1,157.51	5	1,509.77	5	1,866.42	5	2,223.19	5	2,579.96	5	2,936.73	5	3,293.99
1/4	119.45	1/4	468.76	1/4	817.88	1/4	1,164.92	1/4	1,517.18	1/4	1,873.85	1/4	2,230.62	1/4	2,587.39	1/4	2,944.16	1/4	3,301.44
1/2	126.24	1/2	475.76	1/2	825.08	1/2	1,172.34	1/2	1,524.59	1/2	1,881.28	1/2	2,238.05	1/2	2,594.82	1/2	2,951.59	1/2	3,308.90
3/4	133.66	3/4	483.20	3/4	832.28	3/4	1,179.76	3/4	1,532.00	3/4	1,888.72	3/4	2,245.49	3/4	2,602.25	3/4	2,959.02	3/4	3,316.90
6	141.08	6	490.63	6	839.48	6	1,187.18	6	1,539.41	6	1,896.15	6	2,252.92	6	2,609.69	6	2,966.46	6	3,316.90
1/4	148.51	1/4	498.07	1/4	846.68	1/4	1,194.60	1/4	1,546.82	1/4	1,903.58	1/4	2,260.35	1/4	2,617.12	1/4	2,973.89	1/4	3,320.90
1/2	155.93	1/2	505.51	1/2	853.88	1/2	1,202.01	1/2	1,554.23	1/2	1,911.01	1/2	2,267.78	1/2	2,624.55	1/2	2,981.32	1/2	3,324.90
3/4	163.36	3/4	512.95	3/4	861.07	3/4	1,209.43	3/4	1,561.66	3/4	1,918.45	3/4	2,275.22	3/4	2,631.99	3/4	2,988.76	3/4	3,328.90
7	170.80	7	520.39	7	868.27	7	1,216.85	7	1,569.10	7	1,925.88	7	2,282.65	7	2,639.42	7	2,996.19	7	3,332.90
1/4	178.24	1/4	527.82	1/4	875.47	1/4	1,224.27	1/4	1,576.53	1/4	1,933.31	1/4	2,290.08	1/4	2,646.85	1/4	3,003.62	1/4	3,336.90
1/2	185.67	1/2	535.26	1/2	882.67	1/2	1,231.68	1/2	1,583.96	1/2	1,940.74	1/2	2,297.51	1/2	2,654.28	1/2	3,011.05	1/2	3,340.90
3/4	193.11	3/4	542.70	3/4	889.87	3/4	1,238.94	3/4	1,591.40	3/4	1,948.18	3/4	2,304.95	3/4	2,661.72	3/4	3,018.49	3/4	3,344.90
8	200.55	8	550.14	8	897.06	8	1,246.19	8	1,598.83	8	1,955.61	8	2,312.38	8	2,669.15	8	3,025.92	8	3,348.90
1/4	207.98	1/4	557.58	1/4	904.26	1/4	1,253.45	1/4	1,606.26	1/4	1,963.04	1/4	2,319.81	1/4	2,676.58	1/4	3,033.35	1/4	3,352.90
1/2	215.42	1/2	565.01	1/2	911.46	1/2	1,260.70	1/2	1,613.69	1/2	1,970.48	1/2	2,327.24	1/2	2,684.01	1/2	3,040.78	1/2	3,356.90
3/4	222.86	3/4	572.24	3/4	918.66	3/4	1,267.98	3/4	1,621.13	3/4	1,977.91	3/4	2,334.68	3/4	2,691.45	3/4	3,048.22	3/4	3,360.90
9	230.29	9	579.47	9	925.85	9	1,275.25	9	1,628.56	9	1,985.34	9	2,342.11	9	2,698.88	9	3,055.65	9	3,364.90
1/4	237.73	1/4	586.69	1/4	933.05	1/4	1,282.52	1/4	1,635.99	1/4	1,992.77	1/4	2,349.54	1/4	2,706.31	1/4	3,063.08	1/4	3,368.90
1/2	245.17	1/2	593.92	1/2	940.24	1/2	1,289.79	1/2	1,643.43	1/2	2,000.21	1/2	2,356.98	1/2	2,713.75	1/2	3,070.51	1/2	3,372.90
3/4	252.60	3/4	601.15	3/4	947.44	3/4	1,297.07	3/4	1,650.86	3/4	2,007.64	3/4	2,364.41	3/4	2,721.18	3/4	3,077.95	3/4	3,376.90
10	260.04	10	608.38	10	954.63	10	1,304.34	10	1,658.29	10	2,015.07	10	2,371.84	10	2,728.61	10	3,085.38	10	3,380.90
1/4	267.48	1/4	615.60	1/4	961.83	1/4	1,311.61	1/4	1,665.73	1/4	2,022.50	1/4	2,379.27	1/4	2,736.04	1/4	3,092.81	1/4	3,384.90
1/2	274.91	1/2	622.83	1/2	969.03	1/2	1,318.88	1/2	1,673.16	1/2	2,029.94	1/2	2,386.71	1/2	2,743.48	1/2	3,100.25	1/2	3,388.90
3/4	282.34	3/4	630.06	3/4	976.22	3/4	1,326.15	3/4	1,680.59	3/4	2,037.37	3/4	2,394.14	3/4	2,750.91	3/4	3,107.68	3/4	3,392.90
11	289.76	11	637.28	11	983.42	11	1,333.42	11	1,688.02	11	2,044.80	11	2,401.57	11	2,758.34	11	3,115.11	11	3,396.90
1/4	297.18	1/4	644.51	1/4	990.61	1/4	1,340.70	1/4	1,695.46	1/4	2,052.23	1/4	2,409.00	1/4	2,765.77	1/4	3,122.54	1/4	3,400.90
1/2	304.60	1/2	651.74	1/2	997.81	1/2	1,347.97	1/2	1,702.89	1/2	2,059.67	1/2	2,416.44	1/2	2,773.21	1/2	3,129.98	1/2	3,404.90
3/4	312.01	3/4	658.96	3/4	1,005.00	3/4	1,355.24	3/4	1,710.32	3/4	2,067.10	3/4	2,423.87	3/4	2,780.64	3/4	3,137.43	3/4	3,408.90

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 AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27771"

3 PORT INNAGE 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	3,412.90	0	3,603.48	0	3,783.69	0	3,949.42	0		0		0		0		0		0	
1/4	3,416.90	1/4	3,607.37	1/4	3,787.26	1/4	3,952.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,420.90	1/2	3,611.25	1/2	3,790.83	1/2	3,956.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,424.90	3/4	3,615.11	3/4	3,794.38	3/4	3,959.71	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,428.90	1	3,618.98	1	3,797.93	1	3,963.33	1		1		1		1		1		1	
1/4	3,432.90	1/4	3,622.84	1/4	3,801.48	1/4	3,966.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,436.90	1/2	3,626.71	1/2	3,805.03	1/2	3,970.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,440.90	3/4	3,630.56	3/4	3,808.56	3/4	3,974.49	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,444.90	2	3,634.40	2	3,812.09	2	3,978.41	2		2		2		2		2		2	
1/4	3,448.90	1/4	3,638.25	1/4	3,815.62	1/4	3,982.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,452.90	1/2	3,642.09	1/2	3,819.14	1/2	3,986.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,456.90	3/4	3,645.92	3/4	3,822.66	3/4	3,990.15	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,460.89	3	3,649.74	3	3,826.17	3	3,994.07	3		3		3		3		3		3	
1/4	3,464.89	1/4	3,653.57	1/4	3,829.68	1/4	3,997.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,468.89	1/2	3,657.40	1/2	3,833.19	1/2	4,001.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,472.89	3/4	3,661.20	3/4	3,836.68	3/4	4,005.46	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,476.89	4	3,665.01	4	3,840.17	4	4,009.03	4		4		4		4		4		4	
1/4	3,480.89	1/4	3,668.82	1/4	3,843.66	1/4	4,012.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,484.89	1/2	3,672.63	1/2	3,847.15	1/2	4,016.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,488.89	3/4	3,676.41	3/4	3,850.62	3/4	4,018.52	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,492.89	5	3,680.20	5	3,854.09	5	4,020.88	5		5		5		5		5		5	
1/4	3,496.89	1/4	3,683.99	1/4	3,857.57	1/4	4,023.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,500.89	1/2	3,687.78	1/2	3,861.04	1/2	4,025.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,504.89	3/4	3,691.55	3/4	3,864.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,508.88	6	3,695.31	6	3,867.94	6		6		6		6		6		6		6	
1/4	3,512.88	1/4	3,699.08	1/4	3,871.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,516.87	1/2	3,702.85	1/2	3,874.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,520.85	3/4	3,706.60	3/4	3,878.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,524.83	7	3,710.35	7	3,881.72	7		7		7		7		7		7		7	
1/4	3,528.81	1/4	3,714.10	1/4	3,885.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,532.80	1/2	3,717.85	1/2	3,888.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,536.76	3/4	3,721.58	3/4	3,892.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,540.72	8	3,725.31	8	3,895.41	8		8		8		8		8		8		8	
1/4	3,544.68	1/4	3,729.04	1/4	3,898.82	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,548.64	1/2	3,732.77	1/2	3,902.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,552.58	3/4	3,736.48	3/4	3,905.63	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,556.52	9	3,740.19	9	3,909.03	9		9		9		9		9		9		9	
1/4	3,560.47	1/4	3,743.90	1/4	3,912.42	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,564.41	1/2	3,747.61	1/2	3,915.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,568.33	3/4	3,751.26	3/4	3,919.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,572.25	10	3,754.91	10	3,922.57	10		10		10		10		10		10		10	
1/4	3,576.18	1/4	3,758.56	1/4	3,925.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,580.10	1/2	3,762.21	1/2	3,929.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,584.00	3/4	3,765.79	3/4	3,932.68	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,587.91	11	3,769.38	11	3,936.03	11		11		11		11		11		11		11	
1/4	3,591.81	1/4	3,772.97	1/4	3,939.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,595.71	1/2	3,776.56	1/2	3,942.74	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,599.60	3/4	3,780.13	3/4	3,946.08	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2011 CL - SW
 RECALCULATED: 12/14/2021 PMA
 REPRINTED: 12/14/2021 PMA

CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2021

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



BARGE "KIRBY 27771"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	46.39	0	320.39	0	671.03	0	1,028.09	0	1,382.82	0	1,739.75	0	2,097.64	0	2,455.53	0	2,813.41	0	3,171.30
1/4	46.92	1/4	327.82	1/4	678.49	1/4	1,035.52	1/4	1,390.11	1/4	1,747.20	1/4	2,105.09	1/4	2,462.98	1/4	2,820.87	1/4	3,178.76
1/2	47.45	1/2	335.25	1/2	685.94	1/2	1,042.95	1/2	1,397.41	1/2	1,754.66	1/2	2,112.55	1/2	2,470.44	1/2	2,828.33	1/2	3,186.21
3/4	48.82	3/4	342.67	3/4	693.40	3/4	1,050.38	3/4	1,404.70	3/4	1,762.11	3/4	2,120.01	3/4	2,477.89	3/4	2,835.78	3/4	3,193.67
1	50.20	1	350.10	1	700.86	1	1,057.80	1	1,412.00	1	1,769.57	1	2,127.46	1	2,485.35	1	2,843.24	1	3,201.13
1/4	51.57	1/4	357.53	1/4	708.31	1/4	1,065.23	1/4	1,419.29	1/4	1,777.03	1/4	2,134.92	1/4	2,492.81	1/4	2,850.69	1/4	3,208.58
1/2	52.94	1/2	364.95	1/2	715.77	1/2	1,072.66	1/2	1,426.58	1/2	1,784.48	1/2	2,142.37	1/2	2,500.26	1/2	2,858.15	1/2	3,216.04
3/4	55.14	3/4	372.39	3/4	723.23	3/4	1,080.09	3/4	1,434.04	3/4	1,791.94	3/4	2,149.83	3/4	2,507.72	3/4	2,865.61	3/4	3,223.49
2	57.34	2	379.84	2	730.68	2	1,087.52	2	1,441.50	2	1,799.39	2	2,157.29	2	2,515.17	2	2,873.06	2	3,230.95
1/4	59.54	1/4	387.28	1/4	738.14	1/4	1,094.95	1/4	1,448.95	1/4	1,806.85	1/4	2,164.74	1/4	2,522.63	1/4	2,880.52	1/4	3,238.41
1/2	61.73	1/2	394.72	1/2	745.59	1/2	1,102.39	1/2	1,456.41	1/2	1,814.31	1/2	2,172.20	1/2	2,530.09	1/2	2,887.97	1/2	3,245.86
3/4	65.62	3/4	401.74	3/4	753.05	3/4	1,109.84	3/4	1,463.87	3/4	1,821.76	3/4	2,179.65	3/4	2,537.54	3/4	2,895.43	3/4	3,253.32
3	69.50	3	408.75	3	760.51	3	1,117.30	3	1,471.32	3	1,829.22	3	2,187.11	3	2,545.00	3	2,902.89	3	3,260.77
1/4	73.38	1/4	415.77	1/4	767.96	1/4	1,124.76	1/4	1,478.78	1/4	1,836.68	1/4	2,194.57	1/4	2,552.45	1/4	2,910.34	1/4	3,268.23
1/2	77.26	1/2	422.79	1/2	775.42	1/2	1,132.21	1/2	1,486.23	1/2	1,844.13	1/2	2,202.02	1/2	2,559.91	1/2	2,917.80	1/2	3,275.69
3/4	82.82	3/4	429.36	3/4	782.88	3/4	1,139.67	3/4	1,493.69	3/4	1,851.59	3/4	2,209.48	3/4	2,567.37	3/4	2,925.25	3/4	3,283.14
4	88.38	4	435.94	4	790.33	4	1,147.13	4	1,501.15	4	1,859.04	4	2,216.93	4	2,574.82	4	2,932.71	4	3,290.60
1/4	93.94	1/4	442.51	1/4	797.79	1/4	1,154.58	1/4	1,508.60	1/4	1,866.50	1/4	2,224.39	1/4	2,582.28	1/4	2,940.17	1/4	3,298.05
1/2	99.50	1/2	449.09	1/2	805.25	1/2	1,162.04	1/2	1,516.06	1/2	1,873.96	1/2	2,231.85	1/2	2,589.73	1/2	2,947.62	1/2	3,305.51
3/4	106.30	3/4	456.11	3/4	812.68	3/4	1,169.50	3/4	1,523.52	3/4	1,881.41	3/4	2,239.30	3/4	2,597.19	3/4	2,955.08	3/4	3,312.97
5	113.11	5	463.12	5	820.11	5	1,176.95	5	1,530.97	5	1,888.87	5	2,246.76	5	2,604.65	5	2,962.53	5	3,320.42
1/4	119.91	1/4	470.14	1/4	827.54	1/4	1,184.41	1/4	1,538.43	1/4	1,896.33	1/4	2,254.21	1/4	2,612.10	1/4	2,969.99	1/4	3,327.88
1/2	126.72	1/2	477.15	1/2	834.97	1/2	1,191.87	1/2	1,545.88	1/2	1,903.78	1/2	2,261.67	1/2	2,619.56	1/2	2,977.45	1/2	3,335.33
3/4	134.16	3/4	484.61	3/4	842.40	3/4	1,199.32	3/4	1,553.34	3/4	1,911.24	3/4	2,269.13	3/4	2,627.01	3/4	2,984.90	3/4	3,339.33
6	141.60	6	492.07	6	849.83	6	1,206.78	6	1,560.80	6	1,918.69	6	2,276.58	6	2,634.47	6	2,992.36	6	3,343.34
1/4	149.04	1/4	499.53	1/4	857.26	1/4	1,214.24	1/4	1,568.25	1/4	1,926.15	1/4	2,284.04	1/4	2,641.93	1/4	2,999.81	1/4	3,347.34
1/2	156.48	1/2	506.98	1/2	864.69	1/2	1,221.69	1/2	1,575.71	1/2	1,933.61	1/2	2,291.49	1/2	2,649.38	1/2	3,007.27	1/2	3,351.34
3/4	163.94	3/4	514.44	3/4	872.11	3/4	1,229.15	3/4	1,583.16	3/4	1,941.06	3/4	2,298.95	3/4	2,656.84	3/4	3,014.73	3/4	3,355.34
7	171.39	7	521.90	7	879.54	7	1,236.61	7	1,590.62	7	1,948.52	7	2,306.41	7	2,664.29	7	3,022.18	7	3,359.34
1/4	178.85	1/4	529.35	1/4	886.97	1/4	1,244.06	1/4	1,598.08	1/4	1,955.97	1/4	2,313.86	1/4	2,671.75	1/4	3,029.64	1/4	3,363.34
1/2	186.30	1/2	536.81	1/2	894.40	1/2	1,251.52	1/2	1,605.53	1/2	1,963.43	1/2	2,321.32	1/2	2,679.21	1/2	3,037.09	1/2	3,367.34
3/4	193.76	3/4	544.27	3/4	901.82	3/4	1,258.82	3/4	1,612.99	3/4	1,970.89	3/4	2,328.77	3/4	2,686.66	3/4	3,044.55	3/4	3,371.34
8	201.22	8	551.72	8	909.25	8	1,266.11	8	1,620.45	8	1,978.34	8	2,336.23	8	2,694.12	8	3,052.01	8	3,375.35
1/4	208.67	1/4	559.18	1/4	916.68	1/4	1,273.41	1/4	1,627.90	1/4	1,985.80	1/4	2,343.69	1/4	2,701.57	1/4	3,059.46	1/4	3,379.35
1/2	216.13	1/2	566.64	1/2	924.11	1/2	1,280.70	1/2	1,635.36	1/2	1,993.25	1/2	2,351.14	1/2	2,709.03	1/2	3,066.92	1/2	3,383.35
3/4	223.58	3/4	574.10	3/4	931.53	3/4	1,288.00	3/4	1,642.81	3/4	2,000.71	3/4	2,358.60	3/4	2,716.49	3/4	3,074.37	3/4	3,387.35
9	231.04	9	581.55	9	938.96	9	1,295.29	9	1,650.27	9	2,008.17	9	2,366.05	9	2,723.94	9	3,081.83	9	3,391.35
1/4	238.49	1/4	589.01	1/4	946.39	1/4	1,302.59	1/4	1,657.73	1/4	2,015.62	1/4	2,373.51	1/4	2,731.40	1/4	3,089.29	1/4	3,395.35
1/2	245.95	1/2	596.46	1/2	953.82	1/2	1,309.88	1/2	1,665.18	1/2	2,023.08	1/2	2,380.97	1/2	2,738.85	1/2	3,096.74	1/2	3,399.35
3/4	253.41	3/4	603.92	3/4	961.24	3/4	1,317.17	3/4	1,672.64	3/4	2,030.53	3/4	2,388.42	3/4	2,746.31	3/4	3,104.20	3/4	3,403.35
10	260.86	10	611.38	10	968.67	10	1,324.47	10	1,680.10	10	2,037.99	10	2,395.88	10	2,753.77	10	3,111.65	10	3,407.36
1/4	268.32	1/4	618.83	1/4	976.10	1/4	1,331.76	1/4	1,687.55	1/4	2,045.45	1/4	2,403.33	1/4	2,761.22	1/4	3,119.11	1/4	3,411.36
1/2	275.77	1/2	626.29	1/2	983.53	1/2	1,339.06	1/2	1,695.01	1/2	2,052.90	1/2	2,410.79	1/2	2,768.68	1/2	3,126.57	1/2	3,415.36
3/4	283.21	3/4	633.75	3/4	990.95	3/4	1,346.35	3/4	1,702.46	3/4	2,060.36	3/4	2,418.25	3/4	2,776.13	3/4	3,134.02	3/4	3,419.36
11	290.66	11	641.20	11	998.38	11	1,353.64	11	1,709.92	11	2,067.81	11	2,425.70	11	2,783.59	11	3,141.48	11	3,423.36
1/4	298.10	1/4	648.66	1/4	1,005.81	1/4	1,360.94	1/4	1,717.38	1/4	2,075.27	1/4	2,433.16	1/4	2,791.05	1/4	3,148.93	1/4	3,427.36
1/2	305.54	1/2	656.12	1/2	1,013.24	1/2	1,368.23	1/2	1,724.83	1/2	2,082.73	1/2	2,440.61	1/2	2,798.50	1/2	3,156.39	1/2	3,431.36
3/4	312.97	3/4	663.57	3/4	1,020.66	3/4	1,375.53	3/4	1,732.29	3/4	2,090.18	3/4	2,448.07	3/4	2,805.96	3/4	3,163.85	3/4	3,435.36

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 AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.

GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27771"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	3,439.36	0	3,630.02	0	3,810.29	0	3,976.08	0		0		0		0		0		0	
1/4	3,443.37	1/4	3,633.90	1/4	3,813.86	1/4	3,979.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,447.37	1/2	3,637.79	1/2	3,817.43	1/2	3,982.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,451.37	3/4	3,641.65	3/4	3,820.98	3/4	3,986.38	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,455.37	1	3,645.52	1	3,824.53	1	3,990.01	1		1		1		1		1		1	
1/4	3,459.37	1/4	3,649.39	1/4	3,828.08	1/4	3,993.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,463.37	1/2	3,653.25	1/2	3,831.63	1/2	3,997.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,467.37	3/4	3,657.10	3/4	3,835.16	3/4	4,001.17	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,471.37	2	3,660.95	2	3,838.70	2	4,005.08	2		2		2		2		2		2	
1/4	3,475.38	1/4	3,664.79	1/4	3,842.23	1/4	4,009.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,479.38	1/2	3,668.64	1/2	3,845.76	1/2	4,012.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,483.38	3/4	3,672.47	3/4	3,849.27	3/4	4,016.83	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,487.38	3	3,676.30	3	3,852.78	3	4,020.75	3		3		3		3		3		3	
1/4	3,491.38	1/4	3,680.12	1/4	3,856.29	1/4	4,024.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,495.38	1/2	3,683.95	1/2	3,859.81	1/2	4,028.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,499.38	3/4	3,687.76	3/4	3,863.30	3/4	4,032.15	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,503.38	4	3,691.57	4	3,866.79	4	4,035.72	4		4		4		4		4		4	
1/4	3,507.39	1/4	3,695.38	1/4	3,870.28	1/4	4,039.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,511.39	1/2	3,699.18	1/2	3,873.78	1/2	4,042.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,515.39	3/4	3,702.97	3/4	3,877.25	3/4	4,045.22	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,519.39	5	3,706.76	5	3,880.72	5	4,047.58	5		5		5		5		5		5	
1/4	3,523.39	1/4	3,710.55	1/4	3,884.19	1/4	4,049.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,527.39	1/2	3,714.34	1/2	3,887.67	1/2	4,052.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,531.39	3/4	3,718.11	3/4	3,891.12	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,535.38	6	3,721.88	6	3,894.58	6		6		6		6		6		6		6	
1/4	3,539.38	1/4	3,725.65	1/4	3,898.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,543.38	1/2	3,729.42	1/2	3,901.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,547.36	3/4	3,733.17	3/4	3,904.92	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,551.34	7	3,736.92	7	3,908.35	7		7		7		7		7		7		7	
1/4	3,555.32	1/4	3,740.67	1/4	3,911.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,559.31	1/2	3,744.42	1/2	3,915.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,563.27	3/4	3,748.15	3/4	3,918.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,567.23	8	3,751.89	8	3,922.05	8		8		8		8		8		8		8	
1/4	3,571.19	1/4	3,755.62	1/4	3,925.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,575.16	1/2	3,759.35	1/2	3,928.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,579.10	3/4	3,763.06	3/4	3,932.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,583.04	9	3,766.77	9	3,935.68	9		9		9		9		9		9		9	
1/4	3,586.99	1/4	3,770.48	1/4	3,939.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,590.93	1/2	3,774.20	1/2	3,942.47	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,594.85	3/4	3,777.85	3/4	3,945.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,598.78	10	3,781.50	10	3,949.22	10		10		10		10		10		10		10	
1/4	3,602.70	1/4	3,785.15	1/4	3,952.60	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,606.63	1/2	3,788.80	1/2	3,955.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,610.53	3/4	3,792.39	3/4	3,959.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,614.44	11	3,795.98	11	3,962.69	11		11		11		11		11		11		11	
1/4	3,618.34	1/4	3,799.56	1/4	3,966.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,622.25	1/2	3,803.15	1/2	3,969.41	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,626.13	3/4	3,806.72	3/4	3,972.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2011 CL - SW
 RECALCULATED: 12/14/2021 PMA
 REPRINTED: 12/14/2021 PMA

CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2021

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



BARGE "KIRBY 27771"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 6'-09 1/4"

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
1/4	49	1/4	2,380	1/4	4,712	1/4	7,044	1/4	9,375	1/4	11,707	1/4	14,039	1/4		1/4		1/4	
1/2	97	1/2	2,429	1/2	4,761	1/2	7,092	1/2	9,424	1/2	11,756	1/2	14,087	1/2		1/2		1/2	
3/4	146	3/4	2,477	3/4	4,809	3/4	7,141	3/4	9,472	3/4	11,804	3/4	14,136	3/4		3/4		3/4	
1	194	1	2,526	1	4,858	1	7,189	1	9,521	1	11,853	1	14,184	1		1		1	
1/4	243	1/4	2,575	1/4	4,906	1/4	7,238	1/4	9,570	1/4	11,901	1/4	14,233	1/4		1/4		1/4	
1/2	291	1/2	2,623	1/2	4,955	1/2	7,287	1/2	9,618	1/2	11,950	1/2	14,282	1/2		1/2		1/2	
3/4	340	3/4	2,672	3/4	5,003	3/4	7,335	3/4	9,667	3/4	11,998	3/4	14,330	3/4		3/4		3/4	
2	389	2	2,720	2	5,052	2	7,384	2	9,715	2	12,047	2	14,379	2		2		2	
1/4	437	1/4	2,769	1/4	5,101	1/4	7,432	1/4	9,764	1/4	12,096	1/4	14,427	1/4		1/4		1/4	
1/2	486	1/2	2,817	1/2	5,149	1/2	7,481	1/2	9,813	1/2	12,144	1/2	14,476	1/2		1/2		1/2	
3/4	534	3/4	2,866	3/4	5,198	3/4	7,529	3/4	9,861	3/4	12,193	3/4		3/4		3/4		3/4	
3	583	3	2,915	3	5,246	3	7,578	3	9,910	3	12,241	3		3		3		3	
1/4	631	1/4	2,963	1/4	5,295	1/4	7,627	1/4	9,958	1/4	12,290	1/4		1/4		1/4		1/4	
1/2	680	1/2	3,012	1/2	5,343	1/2	7,675	1/2	10,007	1/2	12,339	1/2		1/2		1/2		1/2	
3/4	729	3/4	3,060	3/4	5,392	3/4	7,724	3/4	10,055	3/4	12,387	3/4		3/4		3/4		3/4	
4	777	4	3,109	4	5,441	4	7,772	4	10,104	4	12,436	4		4		4		4	
1/4	826	1/4	3,157	1/4	5,489	1/4	7,821	1/4	10,153	1/4	12,484	1/4		1/4		1/4		1/4	
1/2	874	1/2	3,206	1/2	5,538	1/2	7,869	1/2	10,201	1/2	12,533	1/2		1/2		1/2		1/2	
3/4	923	3/4	3,255	3/4	5,586	3/4	7,918	3/4	10,250	3/4	12,581	3/4		3/4		3/4		3/4	
5	972	5	3,303	5	5,635	5	7,967	5	10,298	5	12,630	5		5		5		5	
1/4	1,020	1/4	3,352	1/4	5,683	1/4	8,015	1/4	10,347	1/4	12,679	1/4		1/4		1/4		1/4	
1/2	1,069	1/2	3,400	1/2	5,732	1/2	8,064	1/2	10,395	1/2	12,727	1/2		1/2		1/2		1/2	
3/4	1,117	3/4	3,449	3/4	5,781	3/4	8,112	3/4	10,444	3/4	12,776	3/4		3/4		3/4		3/4	
6	1,166	6	3,498	6	5,829	6	8,161	6	10,493	6	12,824	6		6		6		6	
1/4	1,214	1/4	3,546	1/4	5,878	1/4	8,209	1/4	10,541	1/4	12,873	1/4		1/4		1/4		1/4	
1/2	1,263	1/2	3,595	1/2	5,926	1/2	8,258	1/2	10,590	1/2	12,921	1/2		1/2		1/2		1/2	
3/4	1,312	3/4	3,643	3/4	5,975	3/4	8,307	3/4	10,638	3/4	12,970	3/4		3/4		3/4		3/4	
7	1,360	7	3,692	7	6,024	7	8,355	7	10,687	7	13,019	7		7		7		7	
1/4	1,409	1/4	3,740	1/4	6,072	1/4	8,404	1/4	10,735	1/4	13,067	1/4		1/4		1/4		1/4	
1/2	1,457	1/2	3,789	1/2	6,121	1/2	8,452	1/2	10,784	1/2	13,116	1/2		1/2		1/2		1/2	
3/4	1,506	3/4	3,838	3/4	6,169	3/4	8,501	3/4	10,833	3/4	13,164	3/4		3/4		3/4		3/4	
8	1,554	8	3,886	8	6,218	8	8,550	8	10,881	8	13,213	8		8		8		8	
1/4	1,603	1/4	3,935	1/4	6,266	1/4	8,598	1/4	10,930	1/4	13,261	1/4		1/4		1/4		1/4	
1/2	1,652	1/2	3,983	1/2	6,315	1/2	8,647	1/2	10,978	1/2	13,310	1/2		1/2		1/2		1/2	
3/4	1,700	3/4	4,032	3/4	6,364	3/4	8,695	3/4	11,027	3/4	13,359	3/4		3/4		3/4		3/4	
9	1,749	9	4,080	9	6,412	9	8,744	9	11,076	9	13,407	9		9		9		9	
1/4	1,797	1/4	4,129	1/4	6,461	1/4	8,792	1/4	11,124	1/4	13,456	1/4		1/4		1/4		1/4	
1/2	1,846	1/2	4,178	1/2	6,509	1/2	8,841	1/2	11,173	1/2	13,504	1/2		1/2		1/2		1/2	
3/4	1,894	3/4	4,226	3/4	6,558	3/4	8,890	3/4	11,221	3/4	13,553	3/4		3/4		3/4		3/4	
10	1,943	10	4,275	10	6,606	10	8,938	10	11,270	10	13,602	10		10		10		10	
1/4	1,992	1/4	4,323	1/4	6,655	1/4	8,987	1/4	11,318	1/4	13,650	1/4		1/4		1/4		1/4	
1/2	2,040	1/2	4,372	1/2	6,704	1/2	9,035	1/2	11,367	1/2	13,699	1/2		1/2		1/2		1/2	
3/4	2,089	3/4	4,420	3/4	6,752	3/4	9,084	3/4	11,416	3/4	13,747	3/4		3/4		3/4		3/4	
11	2,137	11	4,469	11	6,801	11	9,132	11	11,464	11	13,796	11		11		11		11	
1/4	2,186	1/4	4,518	1/4	6,849	1/4	9,181	1/4	11,513	1/4	13,844	1/4		1/4		1/4		1/4	
1/2	2,235	1/2	4,566	1/2	6,898	1/2	9,230	1/2	11,561	1/2	13,893	1/2		1/2		1/2		1/2	
3/4	2,283	3/4	4,615	3/4	6,946	3/4	9,278	3/4	11,610	3/4	13,942	3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES

STRAPPED: 10/08/2021 JS
 COMPUTED: 10/08/2021 CL
 PRINTED: 10/08/2021 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 10/2021

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