



BARGE "KIRBY 27772"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 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 9, 2011

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27772"

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	4,862.67	0	4,530.84	0	4,180.58	0	3,808.15	0	3,430.51	0	3,052.87
1/4		1/4		1/4		1/4		1/4	4,854.89	1/4	4,523.83	1/4	4,173.04	1/4	3,800.29	1/4	3,422.65	1/4	3,045.01
1/2		1/2		1/2		1/2		1/2	4,847.39	1/2	4,516.79	1/2	4,165.46	1/2	3,792.42	1/2	3,414.78	1/2	3,037.14
3/4		3/4		3/4		3/4		3/4	4,839.90	3/4	4,509.75	3/4	4,157.87	3/4	3,784.55	3/4	3,406.91	3/4	3,029.27
1		1		1		1		1	4,832.40	1	4,502.70	1	4,150.29	1	3,776.68	1	3,399.04	1	3,021.40
1/4		1/4		1/4		1/4		1/4	4,824.91	1/4	4,495.66	1/4	4,142.71	1/4	3,768.82	1/4	3,391.18	1/4	3,013.54
1/2		1/2		1/2		1/2		1/2	4,817.99	1/2	4,488.58	1/2	4,135.09	1/2	3,760.95	1/2	3,383.31	1/2	3,005.67
3/4		3/4		3/4		3/4		3/4	4,811.06	3/4	4,481.50	3/4	4,127.46	3/4	3,753.08	3/4	3,375.44	3/4	2,997.80
2		2		2		2		2	4,804.14	2	4,474.42	2	4,119.84	2	3,745.21	2	3,367.57	2	2,989.93
1/4		1/4		1/4		1/4		1/4	4,797.21	1/4	4,467.33	1/4	4,112.22	1/4	3,737.35	1/4	3,359.71	1/4	2,982.07
1/2		1/2		1/2		1/2		1/2	4,790.55	1/2	4,460.22	1/2	4,104.56	1/2	3,729.48	1/2	3,351.84	1/2	2,974.20
3/4		3/4		3/4		3/4		3/4	4,783.88	3/4	4,453.10	3/4	4,096.91	3/4	3,721.61	3/4	3,343.97	3/4	2,966.33
3		3		3		3		3	4,777.22	3	4,445.98	3	4,089.25	3	3,713.74	3	3,336.10	3	2,958.46
1/4		1/4		1/4		1/4		1/4	4,770.56	1/4	4,438.86	1/4	4,081.59	1/4	3,705.88	1/4	3,328.24	1/4	2,950.60
1/2		1/2		1/2		1/2		1/2	4,763.86	1/2	4,431.68	1/2	4,073.89	1/2	3,698.01	1/2	3,320.37	1/2	2,942.73
3/4		3/4		3/4		3/4		3/4	4,757.15	3/4	4,424.50	3/4	4,066.19	3/4	3,690.14	3/4	3,312.50	3/4	2,934.86
4		4		4		4		4	4,750.45	4	4,417.32	4	4,058.50	4	3,682.27	4	3,304.63	4	2,926.99
1/4		1/4		1/4		1/4		1/4	4,743.75	1/4	4,410.15	1/4	4,050.80	1/4	3,674.41	1/4	3,296.77	1/4	2,919.13
1/2		1/2		1/2		1/2		1/2	4,737.01	1/2	4,402.89	1/2	4,043.07	1/2	3,666.54	1/2	3,288.90	1/2	2,911.26
3/4		3/4		3/4		3/4		3/4	4,730.27	3/4	4,395.63	3/4	4,035.33	3/4	3,658.67	3/4	3,281.03	3/4	2,903.39
5		5		5		5		5	4,723.53	5	4,388.37	5	4,027.60	5	3,650.80	5	3,273.16	5	2,895.52
1/4		1/4		1/4		1/4		1/4	4,716.79	1/4	4,381.11	1/4	4,019.86	1/4	3,642.94	1/4	3,265.30	1/4	2,887.66
1/2		1/2		1/2		1/2		1/2	4,710.01	1/2	4,373.80	1/2	4,012.09	1/2	3,635.07	1/2	3,257.43	1/2	2,879.79
3/4		3/4		3/4		3/4		3/4	4,703.24	3/4	4,366.48	3/4	4,004.32	3/4	3,627.20	3/4	3,249.56	3/4	2,871.92
6		6		6		6		6	4,696.46	6	4,359.16	6	3,996.54	6	3,619.33	6	3,241.69	6	2,864.05
1/4		1/4		1/4		1/4		1/4	4,689.68	1/4	4,351.84	1/4	3,988.77	1/4	3,611.47	1/4	3,233.83	1/4	2,856.19
1/2		1/2		1/2		1/2		1/2	4,682.87	1/2	4,344.49	1/2	3,980.96	1/2	3,603.60	1/2	3,225.96	1/2	2,848.32
3/4		3/4		3/4		3/4		3/4	4,676.05	3/4	4,337.13	3/4	3,973.15	3/4	3,595.73	3/4	3,218.09	3/4	2,840.45
7		7		7		7		7	4,669.23	7	4,329.78	7	3,965.34	7	3,587.86	7	3,210.22	7	2,832.58
1/4		1/4		1/4		1/4		1/4	4,662.42	1/4	4,322.42	1/4	3,957.53	1/4	3,580.00	1/4	3,202.36	1/4	2,824.72
1/2		1/2		1/2		1/2		1/2	4,655.57	1/2	4,315.03	1/2	3,949.68	1/2	3,572.13	1/2	3,194.49	1/2	2,816.85
3/4		3/4		3/4		3/4		3/4	4,648.71	3/4	4,307.64	3/4	3,941.84	3/4	3,564.26	3/4	3,186.62	3/4	2,808.98
8		8		8		8		8	4,641.86	8	4,300.24	8	3,934.00	8	3,556.39	8	3,178.75	8	2,801.11
1/4		1/4		1/4		1/4	4,965.48	1/4	4,635.01	1/4	4,292.85	1/4	3,926.15	1/4	3,548.53	1/4	3,170.89	1/4	2,793.25
1/2		1/2		1/2		1/2	4,959.99	1/2	4,628.11	1/2	4,285.42	1/2	3,918.29	1/2	3,540.66	1/2	3,163.02	1/2	2,785.38
3/4		3/4		3/4		3/4	4,954.50	3/4	4,621.22	3/4	4,277.99	3/4	3,910.42	3/4	3,532.79	3/4	3,155.15	3/4	2,777.51
9		9		9		9	4,949.01	9	4,614.33	9	4,270.56	9	3,902.56	9	3,524.92	9	3,147.28	9	2,769.64
1/4		1/4		1/4		1/4	4,943.53	1/4	4,607.44	1/4	4,263.12	1/4	3,894.70	1/4	3,517.06	1/4	3,139.42	1/4	2,761.78
1/2		1/2		1/2		1/2	4,936.75	1/2	4,600.51	1/2	4,255.65	1/2	3,886.83	1/2	3,509.19	1/2	3,131.55	1/2	2,753.91
3/4		3/4		3/4		3/4	4,929.97	3/4	4,593.58	3/4	4,248.19	3/4	3,878.96	3/4	3,501.32	3/4	3,123.68	3/4	2,746.04
10		10		10		10	4,923.19	10	4,586.65	10	4,240.72	10	3,871.09	10	3,493.45	10	3,115.81	10	2,738.17
1/4		1/4		1/4		1/4	4,916.41	1/4	4,579.72	1/4	4,233.25	1/4	3,863.23	1/4	3,485.59	1/4	3,107.95	1/4	2,730.31
1/2		1/2		1/2		1/2	4,908.81	1/2	4,572.75	1/2	4,225.74	1/2	3,855.36	1/2	3,477.72	1/2	3,100.08	1/2	2,722.44
3/4		3/4		3/4		3/4	4,901.21	3/4	4,565.79	3/4	4,218.23	3/4	3,847.49	3/4	3,469.85	3/4	3,092.21	3/4	2,714.57
11		11		11		11	4,893.62	11	4,558.82	11	4,210.73	11	3,839.62	11	3,461.98	11	3,084.34	11	2,706.70
1/4		1/4		1/4		1/4	4,886.02	1/4	4,551.85	1/4	4,203.22	1/4	3,831.76	1/4	3,454.12	1/4	3,076.48	1/4	2,698.84
1/2		1/2		1/2		1/2	4,878.23	1/2	4,544.85	1/2	4,195.67	1/2	3,823.89	1/2	3,446.25	1/2	3,068.61	1/2	2,690.97
3/4		3/4		3/4		3/4	4,870.45	3/4	4,537.84	3/4	4,188.13	3/4	3,816.02	3/4	3,438.38	3/4	3,060.74	3/4	2,683.10

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
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BARGE "KIRBY 27772"

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	2,675.23	0	2,297.59	0	1,919.95	0	1,542.30	0	1,165.47	0	790.14	0	420.84	0	88.38	0		0	
1/4	2,667.37	1/4	2,289.73	1/4	1,912.08	1/4	1,534.43	1/4	1,157.65	1/4	782.27	1/4	413.42	1/4	82.70	1/4		1/4	
1/2	2,659.50	1/2	2,281.86	1/2	1,904.22	1/2	1,526.56	1/2	1,149.83	1/2	774.40	1/2	405.88	1/2	77.13	1/2		1/2	
3/4	2,651.63	3/4	2,273.99	3/4	1,896.35	3/4	1,518.69	3/4	1,142.02	3/4	766.54	3/4	398.35	3/4	71.56	3/4		3/4	
1	2,643.76	1	2,266.12	1	1,888.48	1	1,510.83	1	1,134.21	1	758.67	1	390.81	1	65.99	1		1	
1/4	2,635.90	1/4	2,258.26	1/4	1,880.61	1/4	1,502.96	1/4	1,126.40	1/4	750.80	1/4	383.28	1/4	60.43	1/4		1/4	
1/2	2,628.03	1/2	2,250.39	1/2	1,872.75	1/2	1,495.11	1/2	1,118.59	1/2	742.93	1/2	375.86	1/2	54.53	1/2		1/2	
3/4	2,620.16	3/4	2,242.52	3/4	1,864.88	3/4	1,487.25	3/4	1,110.78	3/4	735.06	3/4	368.43	3/4	48.64	3/4		3/4	
2	2,612.29	2	2,234.65	2	1,857.01	2	1,479.40	2	1,102.97	2	727.20	2	361.01	2	42.74	2		2	
1/4	2,604.43	1/4	2,226.79	1/4	1,849.14	1/4	1,471.54	1/4	1,095.16	1/4	719.33	1/4	353.59	1/4	36.85	1/4		1/4	
1/2	2,596.56	1/2	2,218.92	1/2	1,841.27	1/2	1,463.70	1/2	1,087.35	1/2	711.46	1/2	346.26	1/2	31.45	1/2		1/2	
3/4	2,588.69	3/4	2,211.05	3/4	1,833.41	3/4	1,455.86	3/4	1,079.54	3/4	703.59	3/4	338.94	3/4	26.06	3/4		3/4	
3	2,580.82	3	2,203.18	3	1,825.54	3	1,448.02	3	1,071.73	3	695.72	3	331.61	3	20.67	3		3	
1/4	2,572.96	1/4	2,195.32	1/4	1,817.67	1/4	1,440.18	1/4	1,063.92	1/4	687.86	1/4	324.28	1/4	15.27	1/4		1/4	
1/2	2,565.09	1/2	2,187.45	1/2	1,809.80	1/2	1,432.34	1/2	1,056.11	1/2	679.99	1/2	317.05	1/2	11.90	1/2		1/2	
3/4	2,557.22	3/4	2,179.58	3/4	1,801.94	3/4	1,424.50	3/4	1,048.30	3/4	672.12	3/4	309.81	3/4	8.53	3/4		3/4	
4	2,549.35	4	2,171.71	4	1,794.07	4	1,416.66	4	1,040.49	4	664.25	4	302.57	4		4		4	
1/4	2,541.49	1/4	2,163.85	1/4	1,786.20	1/4	1,408.82	1/4	1,032.68	1/4	656.38	1/4	295.34	1/4		1/4		1/4	
1/2	2,533.62	1/2	2,155.98	1/2	1,778.33	1/2	1,400.98	1/2	1,024.87	1/2	648.51	1/2	288.20	1/2		1/2		1/2	
3/4	2,525.75	3/4	2,148.11	3/4	1,770.46	3/4	1,393.14	3/4	1,017.06	3/4	640.65	3/4	281.06	3/4		3/4		3/4	
5	2,517.88	5	2,140.24	5	1,762.60	5	1,385.30	5	1,009.25	5	632.78	5	273.92	5		5		5	
1/4	2,510.02	1/4	2,132.38	1/4	1,754.73	1/4	1,377.46	1/4	1,001.44	1/4	624.91	1/4	266.78	1/4		1/4		1/4	
1/2	2,502.15	1/2	2,124.51	1/2	1,746.86	1/2	1,369.62	1/2	993.62	1/2	617.04	1/2	259.74	1/2		1/2		1/2	
3/4	2,494.28	3/4	2,116.64	3/4	1,738.99	3/4	1,361.78	3/4	985.81	3/4	609.17	3/4	252.70	3/4		3/4		3/4	
6	2,486.41	6	2,108.77	6	1,731.13	6	1,353.94	6	978.00	6	601.31	6	245.67	6		6		6	
1/4	2,478.55	1/4	2,100.91	1/4	1,723.26	1/4	1,346.10	1/4	970.19	1/4	593.44	1/4	238.63	1/4		1/4		1/4	
1/2	2,470.68	1/2	2,093.04	1/2	1,715.39	1/2	1,338.26	1/2	962.38	1/2	585.57	1/2	231.70	1/2		1/2		1/2	
3/4	2,462.81	3/4	2,085.17	3/4	1,707.52	3/4	1,330.41	3/4	954.57	3/4	577.70	3/4	224.77	3/4		3/4		3/4	
7	2,454.94	7	2,077.30	7	1,699.65	7	1,322.57	7	946.76	7	569.83	7	217.83	7		7		7	
1/4	2,447.08	1/4	2,069.44	1/4	1,691.79	1/4	1,314.73	1/4	938.95	1/4	561.96	1/4	210.90	1/4		1/4		1/4	
1/2	2,439.21	1/2	2,061.57	1/2	1,683.92	1/2	1,306.88	1/2	931.14	1/2	554.09	1/2	204.08	1/2		1/2		1/2	
3/4	2,431.34	3/4	2,053.70	3/4	1,676.05	3/4	1,299.02	3/4	923.33	3/4	546.23	3/4	197.26	3/4		3/4		3/4	
8	2,423.47	8	2,045.83	8	1,668.18	8	1,291.17	8	915.52	8	538.36	8	190.44	8		8		8	
1/4	2,415.61	1/4	2,037.97	1/4	1,660.32	1/4	1,283.31	1/4	907.71	1/4	530.49	1/4	183.62	1/4		1/4		1/4	
1/2	2,407.74	1/2	2,030.10	1/2	1,652.45	1/2	1,275.45	1/2	899.90	1/2	522.85	1/2	176.91	1/2		1/2		1/2	
3/4	2,399.87	3/4	2,022.23	3/4	1,644.58	3/4	1,267.58	3/4	892.09	3/4	515.22	3/4	170.21	3/4		3/4		3/4	
9	2,392.00	9	2,014.37	9	1,636.71	9	1,259.71	9	884.28	9	507.58	9	163.51	9		9		9	
1/4	2,384.14	1/4	2,006.50	1/4	1,628.84	1/4	1,251.84	1/4	876.46	1/4	499.94	1/4	156.81	1/4		1/4		1/4	
1/2	2,376.27	1/2	1,998.63	1/2	1,620.98	1/2	1,243.97	1/2	868.64	1/2	492.80	1/2	150.22	1/2		1/2		1/2	
3/4	2,368.40	3/4	1,990.76	3/4	1,613.11	3/4	1,236.10	3/4	860.81	3/4	485.66	3/4	143.63	3/4		3/4		3/4	
10	2,360.53	10	1,982.89	10	1,605.24	10	1,228.24	10	852.98	10	478.51	10	137.04	10		10		10	
1/4	2,352.67	1/4	1,975.03	1/4	1,597.37	1/4	1,220.37	1/4	845.16	1/4	471.37	1/4	130.45	1/4		1/4		1/4	
1/2	2,344.80	1/2	1,967.16	1/2	1,589.50	1/2	1,212.51	1/2	837.30	1/2	464.30	1/2	124.20	1/2		1/2		1/2	
3/4	2,336.93	3/4	1,959.29	3/4	1,581.64	3/4	1,204.66	3/4	829.45	3/4	457.23	3/4	117.95	3/4		3/4		3/4	
11	2,329.06	11	1,951.42	11	1,573.77	11	1,196.81	11	821.60	11	450.17	11	111.69	11		11		11	
1/4	2,321.20	1/4	1,943.56	1/4	1,565.90	1/4	1,188.95	1/4	813.74	1/4	443.10	1/4	105.44	1/4		1/4		1/4	
1/2	2,313.33	1/2	1,935.69	1/2	1,558.03	1/2	1,181.13	1/2	805.88	1/2	435.68	1/2	99.75	1/2		1/2		1/2	
3/4	2,305.46	3/4	1,927.82	3/4	1,550.17	3/4	1,173.30	3/4	798.01	3/4	428.26	3/4	94.07	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2011 CL - SW
CALCULATED: 08/09/2011 CL
PRINTED: 08/09/2011 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 27772"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04 1/4"

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	4,879.71	0	4,546.30	0	4,197.12	0	3,825.35	0	3,447.71	0	3,070.06
1/4		1/4		1/4		1/4		1/4	4,871.93	1/4	4,539.30	1/4	4,189.57	1/4	3,817.48	1/4	3,439.84	1/4	3,062.19
1/2		1/2		1/2		1/2		1/2	4,864.14	1/2	4,532.29	1/2	4,182.03	1/2	3,809.62	1/2	3,431.97	1/2	3,054.33
3/4		3/4		3/4		3/4		3/4	4,856.36	3/4	4,525.29	3/4	4,174.48	3/4	3,801.75	3/4	3,424.10	3/4	3,046.46
1		1		1		1		1	4,848.87	1	4,518.24	1	4,166.90	1	3,793.88	1	3,416.24	1	3,038.59
1/4		1/4		1/4		1/4		1/4	4,841.37	1/4	4,511.20	1/4	4,159.32	1/4	3,786.01	1/4	3,408.37	1/4	3,030.72
1/2		1/2		1/2		1/2		1/2	4,833.88	1/2	4,504.16	1/2	4,151.73	1/2	3,778.15	1/2	3,400.50	1/2	3,022.86
3/4		3/4		3/4		3/4		3/4	4,826.39	3/4	4,497.11	3/4	4,144.15	3/4	3,770.28	3/4	3,392.63	3/4	3,014.99
2		2		2		2		2	4,819.46	2	4,490.03	2	4,136.53	2	3,762.41	2	3,384.77	2	3,007.12
1/4		1/4		1/4		1/4		1/4	4,812.54	1/4	4,482.95	1/4	4,128.91	1/4	3,754.54	1/4	3,376.90	1/4	2,999.25
1/2		1/2		1/2		1/2		1/2	4,805.61	1/2	4,475.87	1/2	4,121.29	1/2	3,746.68	1/2	3,369.03	1/2	2,991.39
3/4		3/4		3/4		3/4		3/4	4,798.69	3/4	4,468.79	3/4	4,113.66	3/4	3,738.81	3/4	3,361.16	3/4	2,983.52
3		3		3		3		3	4,792.02	3	4,461.67	3	4,106.01	3	3,730.94	3	3,353.30	3	2,975.65
1/4		1/4		1/4		1/4		1/4	4,785.36	1/4	4,454.55	1/4	4,098.35	1/4	3,723.07	1/4	3,345.43	1/4	2,967.78
1/2		1/2		1/2		1/2		1/2	4,778.69	1/2	4,447.43	1/2	4,090.69	1/2	3,715.21	1/2	3,337.56	1/2	2,959.92
3/4		3/4		3/4		3/4		3/4	4,772.03	3/4	4,440.31	3/4	4,083.03	3/4	3,707.34	3/4	3,329.69	3/4	2,952.05
4		4		4		4		4	4,765.33	4	4,433.13	4	4,075.33	4	3,699.47	4	3,321.83	4	2,944.18
1/4		1/4		1/4		1/4		1/4	4,758.62	1/4	4,425.95	1/4	4,067.64	1/4	3,691.60	1/4	3,313.96	1/4	2,936.31
1/2		1/2		1/2		1/2		1/2	4,751.92	1/2	4,418.77	1/2	4,059.94	1/2	3,683.73	1/2	3,306.09	1/2	2,928.45
3/4		3/4		3/4		3/4		3/4	4,745.22	3/4	4,411.60	3/4	4,052.24	3/4	3,675.87	3/4	3,298.22	3/4	2,920.58
5		5		5		5		5	4,738.48	5	4,404.34	5	4,044.51	5	3,668.00	5	3,290.35	5	2,912.71
1/4		1/4		1/4		1/4		1/4	4,731.74	1/4	4,397.08	1/4	4,036.77	1/4	3,660.13	1/4	3,282.49	1/4	2,904.84
1/2		1/2		1/2		1/2		1/2	4,725.00	1/2	4,389.82	1/2	4,029.04	1/2	3,652.26	1/2	3,274.62	1/2	2,896.97
3/4		3/4		3/4		3/4		3/4	4,718.26	3/4	4,382.56	3/4	4,021.30	3/4	3,644.40	3/4	3,266.75	3/4	2,889.11
6		6		6		6		6	4,711.48	6	4,375.24	6	4,013.53	6	3,636.53	6	3,258.88	6	2,881.24
1/4		1/4		1/4		1/4		1/4	4,704.70	1/4	4,367.93	1/4	4,005.76	1/4	3,628.66	1/4	3,251.02	1/4	2,873.37
1/2		1/2		1/2		1/2		1/2	4,697.92	1/2	4,360.61	1/2	3,997.98	1/2	3,620.79	1/2	3,243.15	1/2	2,865.50
3/4		3/4		3/4		3/4		3/4	4,691.15	3/4	4,353.29	3/4	3,990.21	3/4	3,612.93	3/4	3,235.28	3/4	2,857.64
7		7		7		7		7	4,684.33	7	4,345.94	7	3,982.40	7	3,605.06	7	3,227.41	7	2,849.77
1/4		1/4		1/4		1/4		1/4	4,677.51	1/4	4,338.58	1/4	3,974.59	1/4	3,597.19	1/4	3,219.55	1/4	2,841.90
1/2		1/2		1/2		1/2		1/2	4,670.70	1/2	4,331.22	1/2	3,966.78	1/2	3,589.32	1/2	3,211.68	1/2	2,834.03
3/4		3/4		3/4		3/4		3/4	4,663.88	3/4	4,323.87	3/4	3,958.97	3/4	3,581.46	3/4	3,203.81	3/4	2,826.17
8		8		8		8		8	4,657.03	8	4,316.47	8	3,951.12	8	3,573.59	8	3,195.94	8	2,818.30
1/4		1/4		1/4		1/4		1/4	4,650.17	1/4	4,309.08	1/4	3,943.28	1/4	3,565.72	1/4	3,188.08	1/4	2,810.43
1/2		1/2		1/2		1/2		1/2	4,643.32	1/2	4,301.69	1/2	3,935.44	1/2	3,557.85	1/2	3,180.21	1/2	2,802.56
3/4		3/4		3/4		3/4	4,966.95	3/4	4,636.47	3/4	4,294.29	3/4	3,927.59	3/4	3,549.99	3/4	3,172.34	3/4	2,794.70
9		9		9		9	4,961.46	9	4,629.57	9	4,286.86	9	3,919.74	9	3,542.12	9	3,164.47	9	2,786.83
1/4		1/4		1/4		1/4	4,955.98	1/4	4,622.68	1/4	4,279.43	1/4	3,911.88	1/4	3,534.25	1/4	3,156.61	1/4	2,778.96
1/2		1/2		1/2		1/2	4,950.49	1/2	4,615.79	1/2	4,272.00	1/2	3,904.02	1/2	3,526.38	1/2	3,148.74	1/2	2,771.09
3/4		3/4		3/4		3/4	4,945.00	3/4	4,608.90	3/4	4,264.57	3/4	3,896.16	3/4	3,518.52	3/4	3,140.87	3/4	2,763.23
10		10		10		10	4,938.22	10	4,601.97	10	4,257.10	10	3,888.29	10	3,510.65	10	3,133.00	10	2,755.36
1/4		1/4		1/4		1/4	4,931.44	1/4	4,595.04	1/4	4,249.63	1/4	3,880.42	1/4	3,502.78	1/4	3,125.14	1/4	2,747.49
1/2		1/2		1/2		1/2	4,924.66	1/2	4,588.11	1/2	4,242.16	1/2	3,872.56	1/2	3,494.91	1/2	3,117.27	1/2	2,739.62
3/4		3/4		3/4		3/4	4,917.89	3/4	4,581.18	3/4	4,234.69	3/4	3,864.69	3/4	3,487.04	3/4	3,109.40	3/4	2,731.76
11		11		11		11	4,910.29	11	4,574.21	11	4,227.18	11	3,856.82	11	3,479.18	11	3,101.53	11	2,723.89
1/4		1/4		1/4		1/4	4,902.69	1/4	4,567.24	1/4	4,219.68	1/4	3,848.95	1/4	3,471.31	1/4	3,093.66	1/4	2,716.02
1/2		1/2		1/2		1/2	4,895.09	1/2	4,560.28	1/2	4,212.17	1/2	3,841.09	1/2	3,463.44	1/2	3,085.80	1/2	2,708.15
3/4		3/4		3/4		3/4	4,887.49	3/4	4,553.31	3/4	4,204.66	3/4	3,833.22	3/4	3,455.57	3/4	3,077.93	3/4	2,700.28

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 27772"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,692.42	0	2,314.77	0	1,937.13	0	1,559.47	0	1,182.48	0	805.92	0	435.72	0	99.78	0		0	
1/4	2,684.55	1/4	2,306.90	1/4	1,929.26	1/4	1,551.61	1/4	1,174.62	1/4	798.05	1/4	428.30	1/4	94.09	1/4		1/4	
1/2	2,676.68	1/2	2,299.04	1/2	1,921.39	1/2	1,543.74	1/2	1,166.77	1/2	790.19	1/2	420.88	1/2	88.40	1/2		1/2	
3/4	2,668.81	3/4	2,291.17	3/4	1,913.53	3/4	1,535.87	3/4	1,158.91	3/4	782.32	3/4	413.46	3/4	82.72	3/4		3/4	
1	2,660.95	1	2,283.30	1	1,905.66	1	1,528.00	1	1,151.07	1	774.45	1	405.92	1	77.15	1		1	
1/4	2,653.08	1/4	2,275.43	1/4	1,897.79	1/4	1,520.14	1/4	1,143.23	1/4	766.58	1/4	398.39	1/4	71.58	1/4		1/4	
1/2	2,645.21	1/2	2,267.57	1/2	1,889.92	1/2	1,512.27	1/2	1,135.39	1/2	758.71	1/2	390.85	1/2	66.01	1/2		1/2	
3/4	2,637.34	3/4	2,259.70	3/4	1,882.05	3/4	1,504.40	3/4	1,127.55	3/4	750.84	3/4	383.32	3/4	60.44	3/4		3/4	
2	2,629.48	2	2,251.83	2	1,874.19	2	1,496.55	2	1,119.71	2	742.98	2	375.90	2	54.55	2		2	
1/4	2,621.61	1/4	2,243.96	1/4	1,866.32	1/4	1,488.69	1/4	1,111.87	1/4	735.11	1/4	368.47	1/4	48.65	1/4		1/4	
1/2	2,613.74	1/2	2,236.10	1/2	1,858.45	1/2	1,480.84	1/2	1,104.03	1/2	727.24	1/2	361.05	1/2	42.75	1/2		1/2	
3/4	2,605.87	3/4	2,228.23	3/4	1,850.58	3/4	1,472.98	3/4	1,096.19	3/4	719.37	3/4	353.63	3/4	36.86	3/4		3/4	
3	2,598.01	3	2,220.36	3	1,842.71	3	1,465.14	3	1,088.35	3	711.50	3	346.30	3	31.46	3		3	
1/4	2,590.14	1/4	2,212.49	1/4	1,834.85	1/4	1,457.30	1/4	1,080.51	1/4	703.64	1/4	338.98	1/4	26.07	1/4		1/4	
1/2	2,582.27	1/2	2,204.63	1/2	1,826.98	1/2	1,449.46	1/2	1,072.67	1/2	695.77	1/2	331.65	1/2	20.68	1/2		1/2	
3/4	2,574.40	3/4	2,196.76	3/4	1,819.11	3/4	1,441.62	3/4	1,064.83	3/4	687.90	3/4	324.32	3/4	15.28	3/4		3/4	
4	2,566.54	4	2,188.89	4	1,811.24	4	1,433.78	4	1,056.99	4	680.03	4	317.09	4	11.91	4		4	
1/4	2,558.67	1/4	2,181.02	1/4	1,803.38	1/4	1,425.94	1/4	1,049.15	1/4	672.16	1/4	309.85	1/4	8.54	1/4		1/4	
1/2	2,550.80	1/2	2,173.16	1/2	1,795.51	1/2	1,418.10	1/2	1,041.31	1/2	664.30	1/2	302.61	1/2		1/2		1/2	
3/4	2,542.93	3/4	2,165.29	3/4	1,787.64	3/4	1,410.26	3/4	1,033.48	3/4	656.43	3/4	295.37	3/4		3/4		3/4	
5	2,535.07	5	2,157.42	5	1,779.77	5	1,402.42	5	1,025.64	5	648.56	5	288.23	5		5		5	
1/4	2,527.20	1/4	2,149.55	1/4	1,771.90	1/4	1,394.58	1/4	1,017.80	1/4	640.69	1/4	281.09	1/4		1/4		1/4	
1/2	2,519.33	1/2	2,141.69	1/2	1,764.04	1/2	1,386.74	1/2	1,009.96	1/2	632.82	1/2	273.95	1/2		1/2		1/2	
3/4	2,511.46	3/4	2,133.82	3/4	1,756.17	3/4	1,378.90	3/4	1,002.12	3/4	624.96	3/4	266.81	3/4		3/4		3/4	
6	2,503.59	6	2,125.95	6	1,748.30	6	1,371.06	6	994.28	6	617.09	6	259.78	6		6		6	
1/4	2,495.73	1/4	2,118.08	1/4	1,740.43	1/4	1,363.22	1/4	986.44	1/4	609.22	1/4	252.74	1/4		1/4		1/4	
1/2	2,487.86	1/2	2,110.21	1/2	1,732.57	1/2	1,355.38	1/2	978.60	1/2	601.35	1/2	245.70	1/2		1/2		1/2	
3/4	2,479.99	3/4	2,102.35	3/4	1,724.70	3/4	1,347.54	3/4	970.76	3/4	593.48	3/4	238.67	3/4		3/4		3/4	
7	2,472.12	7	2,094.48	7	1,716.83	7	1,339.70	7	962.92	7	585.61	7	231.73	7		7		7	
1/4	2,464.26	1/4	2,086.61	1/4	1,708.96	1/4	1,331.85	1/4	955.08	1/4	577.74	1/4	224.80	1/4		1/4		1/4	
1/2	2,456.39	1/2	2,078.74	1/2	1,701.09	1/2	1,324.01	1/2	947.24	1/2	569.88	1/2	217.87	1/2		1/2		1/2	
3/4	2,448.52	3/4	2,070.88	3/4	1,693.23	3/4	1,316.17	3/4	939.41	3/4	562.01	3/4	210.93	3/4		3/4		3/4	
8	2,440.65	8	2,063.01	8	1,685.36	8	1,308.32	8	931.57	8	554.14	8	204.11	8		8		8	
1/4	2,432.79	1/4	2,055.14	1/4	1,677.49	1/4	1,300.46	1/4	923.73	1/4	546.27	1/4	197.29	1/4		1/4		1/4	
1/2	2,424.92	1/2	2,047.27	1/2	1,669.62	1/2	1,292.61	1/2	915.89	1/2	538.40	1/2	190.47	1/2		1/2		1/2	
3/4	2,417.05	3/4	2,039.41	3/4	1,661.76	3/4	1,284.75	3/4	908.05	3/4	530.53	3/4	183.65	3/4		3/4		3/4	
9	2,409.18	9	2,031.54	9	1,653.89	9	1,276.89	9	900.21	9	522.90	9	176.94	9		9		9	
1/4	2,401.32	1/4	2,023.67	1/4	1,646.02	1/4	1,269.02	1/4	892.37	1/4	515.26	1/4	170.24	1/4		1/4		1/4	
1/2	2,393.45	1/2	2,015.81	1/2	1,638.15	1/2	1,261.15	1/2	884.52	1/2	507.63	1/2	163.54	1/2		1/2		1/2	
3/4	2,385.58	3/4	2,007.94	3/4	1,630.28	3/4	1,253.28	3/4	876.68	3/4	499.99	3/4	156.83	3/4		3/4		3/4	
10	2,377.71	10	2,000.07	10	1,622.42	10	1,245.41	10	868.83	10	492.84	10	150.25	10		10		10	
1/4	2,369.85	1/4	1,992.20	1/4	1,614.55	1/4	1,237.54	1/4	860.97	1/4	485.70	1/4	143.66	1/4		1/4		1/4	
1/2	2,361.98	1/2	1,984.34	1/2	1,606.68	1/2	1,229.68	1/2	853.12	1/2	478.55	1/2	137.07	1/2		1/2		1/2	
3/4	2,354.11	3/4	1,976.47	3/4	1,598.81	3/4	1,221.81	3/4	845.26	3/4	471.41	3/4	130.48	3/4		3/4		3/4	
11	2,346.24	11	1,968.60	11	1,590.95	11	1,213.94	11	837.39	11	464.34	11	124.22	11		11		11	
1/4	2,338.38	1/4	1,960.73	1/4	1,583.08	1/4	1,206.07	1/4	829.53	1/4	457.28	1/4	117.97	1/4		1/4		1/4	
1/2	2,330.51	1/2	1,952.86	1/2	1,575.21	1/2	1,198.20	1/2	821.66	1/2	450.21	1/2	111.72	1/2		1/2		1/2	
3/4	2,322.64	3/4	1,945.00	3/4	1,567.34	3/4	1,190.33	3/4	813.79	3/4	443.14	3/4	105.46	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2011 CL - SW
CALCULATED: 08/09/2011 CL
PRINTED: 08/09/2011 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 27772"

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4		1/4	4,668.73	1/4	4,354.66	1/4	4,020.75	1/4	3,666.18	1/4	3,307.22	1/4	2,948.26		
1/2		1/2		1/2		1/2		1/2	4,661.61	1/2	4,347.97	1/2	4,013.55	1/2	3,658.71	1/2	3,299.74	1/2	2,940.78		
3/4		3/4		3/4		3/4		3/4	4,654.49	3/4	4,341.27	3/4	4,006.34	3/4	3,651.23	3/4	3,292.26	3/4	2,933.30		
1	1	1	1	1	1	1	1	1	4,647.37	1	4,334.58	1	3,999.13	1	3,643.75	1	3,284.79	1	2,925.82		
1/4		1/4		1/4		1/4		1/4	4,640.79	1/4	4,327.86	1/4	3,991.89	1/4	3,636.27	1/4	3,277.31	1/4	2,918.34		
1/2		1/2		1/2		1/2		1/2	4,634.21	1/2	4,321.13	1/2	3,984.64	1/2	3,628.79	1/2	3,269.83	1/2	2,910.87		
3/4		3/4		3/4		3/4		3/4	4,627.63	3/4	4,314.40	3/4	3,977.40	3/4	3,621.31	3/4	3,262.35	3/4	2,903.39		
2	2	2	2	2	2	2	2	2	4,621.06	2	4,307.68	2	3,970.15	2	3,613.83	2	3,254.87	2	2,895.91		
1/4		1/4		1/4		1/4		1/4	4,614.72	1/4	4,300.91	1/4	3,962.87	1/4	3,606.36	1/4	3,247.39	1/4	2,888.43		
1/2		1/2		1/2		1/2		1/2	4,608.39	1/2	4,294.15	1/2	3,955.59	1/2	3,598.88	1/2	3,239.91	1/2	2,880.95		
3/4		3/4		3/4		3/4		3/4	4,602.06	3/4	4,287.39	3/4	3,948.31	3/4	3,591.40	3/4	3,232.44	3/4	2,873.47		
3	3	3	3	3	3	3	3	3	4,595.73	3	4,280.62	3	3,941.03	3	3,583.92	3	3,224.96	3	2,865.99		
1/4		1/4		1/4		1/4		1/4	4,589.37	1/4	4,273.80	1/4	3,933.72	1/4	3,576.44	1/4	3,217.48	1/4	2,858.52		
1/2		1/2		1/2		1/2		1/2	4,583.00	1/2	4,266.98	1/2	3,926.40	1/2	3,568.96	1/2	3,210.00	1/2	2,851.04		
3/4		3/4		3/4		3/4		3/4	4,576.63	3/4	4,260.16	3/4	3,919.08	3/4	3,561.49	3/4	3,202.52	3/4	2,843.56		
4	4	4	4	4	4	4	4	4	4,570.27	4	4,253.34	4	3,911.77	4	3,554.01	4	3,195.04	4	2,836.08		
1/4		1/4		1/4		1/4		1/4	4,563.86	1/4	4,246.44	1/4	3,904.42	1/4	3,546.53	1/4	3,187.57	1/4	2,828.60		
1/2		1/2		1/2		1/2		1/2	4,557.46	1/2	4,239.55	1/2	3,897.06	1/2	3,539.05	1/2	3,180.09	1/2	2,821.12		
3/4		3/4		3/4		3/4		3/4	4,551.06	3/4	4,232.65	3/4	3,889.71	3/4	3,531.57	3/4	3,172.61	3/4	2,813.65		
5	5	5	5	5	5	5	5	5	4,544.66	5	4,225.75	5	3,882.36	5	3,524.09	5	3,165.13	5	2,806.17		
1/4		1/4		1/4		1/4		1/4	4,538.22	1/4	4,218.79	1/4	3,874.97	1/4	3,516.62	1/4	3,157.65	1/4	2,798.69		
1/2		1/2		1/2		1/2		1/2	4,531.78	1/2	4,211.84	1/2	3,867.58	1/2	3,509.14	1/2	3,150.17	1/2	2,791.21		
3/4		3/4		3/4		3/4		3/4	4,525.34	3/4	4,204.88	3/4	3,860.19	3/4	3,501.66	3/4	3,142.70	3/4	2,783.73		
6	6	6	6	6	6	6	6	6	4,518.90	6	4,197.93	6	3,852.81	6	3,494.18	6	3,135.22	6	2,776.25		
1/4		1/4		1/4		1/4		1/4	4,512.43	1/4	4,190.93	1/4	3,845.38	1/4	3,486.70	1/4	3,127.74	1/4	2,768.78		
1/2		1/2		1/2		1/2		1/2	4,505.95	1/2	4,183.94	1/2	3,837.96	1/2	3,479.22	1/2	3,120.26	1/2	2,761.30		
3/4		3/4		3/4		3/4		3/4	4,499.48	3/4	4,176.95	3/4	3,830.53	3/4	3,471.75	3/4	3,112.78	3/4	2,753.82		
7	7	7	7	7	7	7	7	7	4,493.00	7	4,169.96	7	3,823.11	7	3,464.27	7	3,105.30	7	2,746.34		
1/4		1/4		1/4		1/4		1/4	4,486.49	1/4	4,162.93	1/4	3,815.65	1/4	3,456.79	1/4	3,097.83	1/4	2,738.86		
1/2		1/2		1/2		1/2		1/2	4,479.98	1/2	4,155.90	1/2	3,808.20	1/2	3,449.31	1/2	3,090.35	1/2	2,731.38		
3/4		3/4		3/4		3/4		3/4	4,473.47	3/4	4,148.88	3/4	3,800.74	3/4	3,441.83	3/4	3,082.87	3/4	2,723.91		
8	8	8	8	8	8	8	8	8	4,780.90	8	4,466.96	8	4,141.85	8	3,793.29	8	3,434.35	8	3,075.39	8	2,716.43
1/4		1/4		1/4		1/4		1/4	4,775.68	1/4	4,460.41	1/4	4,134.78	1/4	3,785.82	1/4	3,426.87	1/4	3,067.91	1/4	2,708.95
1/2		1/2		1/2		1/2		1/2	4,770.47	1/2	4,453.87	1/2	4,127.72	1/2	3,778.34	1/2	3,419.40	1/2	3,060.43	1/2	2,701.47
3/4		3/4		3/4		3/4		3/4	4,765.26	3/4	4,447.32	3/4	4,120.66	3/4	3,770.87	3/4	3,411.92	3/4	3,052.95	3/4	2,693.99
9	9	9	9	9	9	9	9	9	4,760.05	9	4,440.77	9	4,113.59	9	3,763.40	9	3,404.44	9	3,045.48	9	2,686.51
1/4		1/4		1/4		1/4		1/4	4,753.61	1/4	4,434.19	1/4	4,106.49	1/4	3,755.92	1/4	3,396.96	1/4	3,038.00	1/4	2,679.03
1/2		1/2		1/2		1/2		1/2	4,747.17	1/2	4,427.61	1/2	4,099.39	1/2	3,748.45	1/2	3,389.48	1/2	3,030.52	1/2	2,671.56
3/4		3/4		3/4		3/4		3/4	4,740.73	3/4	4,421.03	3/4	4,092.29	3/4	3,740.97	3/4	3,382.00	3/4	3,023.04	3/4	2,664.08
10	10	10	10	10	10	10	10	10	4,734.29	10	4,414.44	10	4,085.19	10	3,733.49	10	3,374.53	10	3,015.56	10	2,656.60
1/4		1/4		1/4		1/4		1/4	4,727.07	1/4	4,407.82	1/4	4,078.06	1/4	3,726.01	1/4	3,367.05	1/4	3,008.08	1/4	2,649.12
1/2		1/2		1/2		1/2		1/2	4,719.86	1/2	4,401.20	1/2	4,070.92	1/2	3,718.53	1/2	3,359.57	1/2	3,000.61	1/2	2,641.64
3/4		3/4		3/4		3/4		3/4	4,712.64	3/4	4,394.59	3/4	4,063.79	3/4	3,711.05	3/4	3,352.09	3/4	2,993.13	3/4	2,634.16
11	11	11	11	11	11	11	11	11	4,705.42	11	4,387.97	11	4,056.65	11	3,703.58	11	3,344.61	11	2,985.65	11	2,626.69
1/4		1/4		1/4		1/4		1/4	4,698.03	1/4	4,381.31	1/4	4,049.48	1/4	3,696.10	1/4	3,337.13	1/4	2,978.17	1/4	2,619.21
1/2		1/2		1/2		1/2		1/2	4,690.63	1/2	4,374.66	1/2	4,042.31	1/2	3,688.62	1/2	3,329.66	1/2	2,970.69	1/2	2,611.73
3/4		3/4		3/4		3/4		3/4	4,683.24	3/4	4,368.00	3/4	4,035.13	3/4	3,681.14	3/4	3,322.18	3/4	2,963.21	3/4	2,604.25

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 27772"

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	2,596.77	0	2,237.81	0	1,878.84	0	1,519.87	0	1,166.63	0	822.57	0	470.68	0	116.06	0		0	
1/4	2,589.29	1/4	2,230.33	1/4	1,871.37	1/4	1,512.47	1/4	1,159.48	1/4	815.09	1/4	463.22	1/4	109.29	1/4		1/4	
1/2	2,581.82	1/2	2,222.85	1/2	1,863.89	1/2	1,505.08	1/2	1,152.33	1/2	807.62	1/2	455.76	1/2	102.51	1/2		1/2	
3/4	2,574.34	3/4	2,215.37	3/4	1,856.41	3/4	1,497.68	3/4	1,145.18	3/4	800.14	3/4	448.31	3/4	95.74	3/4		3/4	
1	2,566.86	1	2,207.90	1	1,848.93	1	1,490.28	1	1,138.02	1	792.66	1	440.85	1	88.97	1		1	
1/4	2,559.38	1/4	2,200.42	1/4	1,841.45	1/4	1,482.96	1/4	1,130.88	1/4	785.18	1/4	433.40	1/4	81.78	1/4		1/4	
1/2	2,551.90	1/2	2,192.94	1/2	1,833.97	1/2	1,475.65	1/2	1,123.73	1/2	777.70	1/2	425.95	1/2	74.60	1/2		1/2	
3/4	2,544.42	3/4	2,185.46	3/4	1,826.49	3/4	1,468.33	3/4	1,116.58	3/4	770.22	3/4	418.50	3/4	67.42	3/4		3/4	
2	2,536.95	2	2,177.98	2	1,819.02	2	1,461.01	2	1,109.43	2	762.74	2	411.05	2	60.23	2		2	
1/4	2,529.47	1/4	2,170.50	1/4	1,811.54	1/4	1,453.70	1/4	1,102.28	1/4	755.26	1/4	403.60	1/4	53.43	1/4		1/4	
1/2	2,521.99	1/2	2,163.03	1/2	1,804.06	1/2	1,446.38	1/2	1,095.13	1/2	747.78	1/2	396.14	1/2	46.62	1/2		1/2	
3/4	2,514.51	3/4	2,155.55	3/4	1,796.58	3/4	1,439.07	3/4	1,087.98	3/4	740.31	3/4	388.68	3/4	39.82	3/4		3/4	
3	2,507.03	3	2,148.07	3	1,789.10	3	1,431.75	3	1,080.83	3	732.83	3	381.23	3	33.01	3		3	
1/4	2,499.55	1/4	2,140.59	1/4	1,781.62	1/4	1,424.43	1/4	1,073.69	1/4	725.35	1/4	373.76	1/4	28.03	1/4		1/4	
1/2	2,492.07	1/2	2,133.11	1/2	1,774.14	1/2	1,417.12	1/2	1,066.54	1/2	717.87	1/2	366.29	1/2	23.05	1/2		1/2	
3/4	2,484.60	3/4	2,125.63	3/4	1,766.67	3/4	1,409.80	3/4	1,059.39	3/4	710.39	3/4	358.81	3/4		3/4		3/4	
4	2,477.12	4	2,118.15	4	1,759.19	4	1,402.48	4	1,052.24	4	702.91	4	351.34	4		4		4	
1/4	2,469.64	1/4	2,110.68	1/4	1,751.71	1/4	1,395.17	1/4	1,045.09	1/4	695.43	1/4	343.87	1/4		1/4		1/4	
1/2	2,462.16	1/2	2,103.20	1/2	1,744.23	1/2	1,387.85	1/2	1,037.94	1/2	687.95	1/2	336.39	1/2		1/2		1/2	
3/4	2,454.68	3/4	2,095.72	3/4	1,736.75	3/4	1,380.53	3/4	1,030.79	3/4	680.47	3/4	328.91	3/4		3/4		3/4	
5	2,447.20	5	2,088.24	5	1,729.27	5	1,373.22	5	1,023.65	5	673.00	5	321.43	5		5		5	
1/4	2,439.73	1/4	2,080.76	1/4	1,721.79	1/4	1,365.90	1/4	1,016.50	1/4	665.52	1/4	313.95	1/4		1/4		1/4	
1/2	2,432.25	1/2	2,073.28	1/2	1,714.32	1/2	1,358.58	1/2	1,009.35	1/2	658.04	1/2	306.47	1/2		1/2		1/2	
3/4	2,424.77	3/4	2,065.81	3/4	1,706.84	3/4	1,351.26	3/4	1,002.20	3/4	650.56	3/4	299.00	3/4		3/4		3/4	
6	2,417.29	6	2,058.33	6	1,699.36	6	1,343.95	6	995.05	6	643.08	6	291.52	6		6		6	
1/4	2,409.81	1/4	2,050.85	1/4	1,691.88	1/4	1,336.55	1/4	987.90	1/4	635.60	1/4	284.04	1/4		1/4		1/4	
1/2	2,402.33	1/2	2,043.37	1/2	1,684.40	1/2	1,329.15	1/2	980.75	1/2	628.12	1/2	276.56	1/2		1/2		1/2	
3/4	2,394.86	3/4	2,035.89	3/4	1,676.92	3/4	1,321.75	3/4	973.60	3/4	620.64	3/4	269.08	3/4		3/4		3/4	
7	2,387.38	7	2,028.41	7	1,669.44	7	1,314.35	7	966.46	7	613.16	7	261.61	7		7		7	
1/4	2,379.90	1/4	2,020.94	1/4	1,661.97	1/4	1,306.87	1/4	959.31	1/4	605.68	1/4	254.14	1/4		1/4		1/4	
1/2	2,372.42	1/2	2,013.46	1/2	1,654.49	1/2	1,299.40	1/2	952.16	1/2	598.20	1/2	246.66	1/2		1/2		1/2	
3/4	2,364.94	3/4	2,005.98	3/4	1,647.01	3/4	1,291.92	3/4	945.01	3/4	590.72	3/4	239.19	3/4		3/4		3/4	
8	2,357.46	8	1,998.50	8	1,639.53	8	1,284.44	8	937.86	8	583.24	8	231.72	8		8		8	
1/4	2,349.99	1/4	1,991.02	1/4	1,632.05	1/4	1,276.96	1/4	930.71	1/4	575.99	1/4	224.27	1/4		1/4		1/4	
1/2	2,342.51	1/2	1,983.54	1/2	1,624.57	1/2	1,269.48	1/2	923.56	1/2	568.73	1/2	216.81	1/2		1/2		1/2	
3/4	2,335.03	3/4	1,976.07	3/4	1,617.09	3/4	1,262.00	3/4	916.41	3/4	561.47	3/4	209.35	3/4		3/4		3/4	
9	2,327.55	9	1,968.59	9	1,609.62	9	1,254.52	9	909.26	9	554.21	9	201.90	9		9		9	
1/4	2,320.07	1/4	1,961.11	1/4	1,602.14	1/4	1,247.04	1/4	902.09	1/4	547.39	1/4	194.45	1/4		1/4		1/4	
1/2	2,312.59	1/2	1,953.63	1/2	1,594.66	1/2	1,239.56	1/2	894.93	1/2	540.58	1/2	187.01	1/2		1/2		1/2	
3/4	2,305.11	3/4	1,946.15	3/4	1,587.18	3/4	1,232.08	3/4	887.76	3/4	533.76	3/4	179.56	3/4		3/4		3/4	
10	2,297.64	10	1,938.67	10	1,579.70	10	1,224.60	10	880.60	10	526.95	10	172.11	10		10		10	
1/4	2,290.16	1/4	1,931.19	1/4	1,572.22	1/4	1,217.27	1/4	873.42	1/4	520.13	1/4	164.89	1/4		1/4		1/4	
1/2	2,282.68	1/2	1,923.72	1/2	1,564.74	1/2	1,209.95	1/2	866.24	1/2	513.31	1/2	157.66	1/2		1/2		1/2	
3/4	2,275.20	3/4	1,916.24	3/4	1,557.26	3/4	1,202.62	3/4	859.06	3/4	506.50	3/4	150.43	3/4		3/4		3/4	
11	2,267.72	11	1,908.76	11	1,549.79	11	1,195.29	11	851.89	11	499.68	11	143.21	11		11		11	
1/4	2,260.24	1/4	1,901.28	1/4	1,542.31	1/4	1,188.12	1/4	844.56	1/4	492.43	1/4	136.42	1/4		1/4		1/4	
1/2	2,252.77	1/2	1,893.80	1/2	1,534.83	1/2	1,180.96	1/2	837.23	1/2	485.18	1/2	129.64	1/2		1/2		1/2	
3/4	2,245.29	3/4	1,886.32	3/4	1,527.35	3/4	1,173.79	3/4	829.90	3/4	477.93	3/4	122.85	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2011 CL - SW
CALCULATED: 08/09/2011 CL
PRINTED: 08/09/2011 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 27772"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,697.69	0	4,382.56	0	4,049.79	0	3,695.87	0	3,337.00	0	2,978.13
1/4		1/4		1/4		1/4		1/4	4,690.30	1/4	4,375.91	1/4	4,042.62	1/4	3,688.40	1/4	3,329.53	1/4	2,970.65
1/2		1/2		1/2		1/2		1/2	4,683.18	1/2	4,369.22	1/2	4,035.42	1/2	3,680.92	1/2	3,322.05	1/2	2,963.18
3/4		3/4		3/4		3/4		3/4	4,676.06	3/4	4,362.53	3/4	4,028.21	3/4	3,673.44	3/4	3,314.57	3/4	2,955.70
1		1		1		1		1	4,668.95	1	4,355.84	1	4,021.01	1	3,665.97	1	3,307.10	1	2,948.22
1/4		1/4		1/4		1/4		1/4	4,661.83	1/4	4,349.15	1/4	4,013.80	1/4	3,658.49	1/4	3,299.62	1/4	2,940.75
1/2		1/2		1/2		1/2		1/2	4,655.25	1/2	4,342.43	1/2	4,006.56	1/2	3,651.02	1/2	3,292.14	1/2	2,933.27
3/4		3/4		3/4		3/4		3/4	4,648.68	3/4	4,335.71	3/4	3,999.32	3/4	3,643.54	3/4	3,284.67	3/4	2,925.79
2		2		2		2		2	4,642.10	2	4,328.98	2	3,992.07	2	3,636.06	2	3,277.19	2	2,918.32
1/4		1/4		1/4		1/4		1/4	4,635.53	1/4	4,322.26	1/4	3,984.83	1/4	3,628.59	1/4	3,269.71	1/4	2,910.84
1/2		1/2		1/2		1/2		1/2	4,629.20	1/2	4,315.49	1/2	3,977.55	1/2	3,621.11	1/2	3,262.24	1/2	2,903.36
3/4		3/4		3/4		3/4		3/4	4,622.87	3/4	4,308.73	3/4	3,970.27	3/4	3,613.63	3/4	3,254.76	3/4	2,895.89
3		3		3		3		3	4,616.54	3	4,301.97	3	3,963.00	3	3,606.16	3	3,247.28	3	2,888.41
1/4		1/4		1/4		1/4		1/4	4,610.21	1/4	4,295.21	1/4	3,955.72	1/4	3,598.68	1/4	3,239.81	1/4	2,880.94
1/2		1/2		1/2		1/2		1/2	4,603.85	1/2	4,288.39	1/2	3,948.40	1/2	3,591.20	1/2	3,232.33	1/2	2,873.46
3/4		3/4		3/4		3/4		3/4	4,597.48	3/4	4,281.58	3/4	3,941.09	3/4	3,583.73	3/4	3,224.85	3/4	2,865.98
4		4		4		4		4	4,591.12	4	4,274.76	4	3,933.78	4	3,576.25	4	3,217.38	4	2,858.51
1/4		1/4		1/4		1/4		1/4	4,584.76	1/4	4,267.94	1/4	3,926.46	1/4	3,568.77	1/4	3,209.90	1/4	2,851.03
1/2		1/2		1/2		1/2		1/2	4,578.36	1/2	4,261.04	1/2	3,919.11	1/2	3,561.30	1/2	3,202.42	1/2	2,843.55
3/4		3/4		3/4		3/4		3/4	4,571.96	3/4	4,254.15	3/4	3,911.76	3/4	3,553.82	3/4	3,194.95	3/4	2,836.08
5		5		5		5		5	4,565.56	5	4,247.25	5	3,904.41	5	3,546.34	5	3,187.47	5	2,828.60
1/4		1/4		1/4		1/4		1/4	4,559.16	1/4	4,240.35	1/4	3,897.06	1/4	3,538.87	1/4	3,180.00	1/4	2,821.12
1/2		1/2		1/2		1/2		1/2	4,552.72	1/2	4,233.40	1/2	3,889.67	1/2	3,531.39	1/2	3,172.52	1/2	2,813.65
3/4		3/4		3/4		3/4		3/4	4,546.28	3/4	4,226.45	3/4	3,882.29	3/4	3,523.91	3/4	3,165.04	3/4	2,806.17
6		6		6		6		6	4,539.85	6	4,219.49	6	3,874.90	6	3,516.44	6	3,157.57	6	2,798.69
1/4		1/4		1/4		1/4		1/4	4,533.41	1/4	4,212.54	1/4	3,867.52	1/4	3,508.96	1/4	3,150.09	1/4	2,791.22
1/2		1/2		1/2		1/2		1/2	4,526.94	1/2	4,205.55	1/2	3,860.09	1/2	3,501.48	1/2	3,142.61	1/2	2,783.74
3/4		3/4		3/4		3/4		3/4	4,520.47	3/4	4,198.56	3/4	3,852.67	3/4	3,494.01	3/4	3,135.14	3/4	2,776.26
7		7		7		7		7	4,513.99	7	4,191.57	7	3,845.25	7	3,486.53	7	3,127.66	7	2,768.79
1/4		1/4		1/4		1/4		1/4	4,507.52	1/4	4,184.58	1/4	3,837.83	1/4	3,479.06	1/4	3,120.18	1/4	2,761.31
1/2		1/2		1/2		1/2		1/2	4,501.01	1/2	4,177.56	1/2	3,830.37	1/2	3,471.58	1/2	3,112.71	1/2	2,753.83
3/4		3/4		3/4		3/4		3/4	4,494.50	3/4	4,170.53	3/4	3,822.92	3/4	3,464.10	3/4	3,105.23	3/4	2,746.36
8		8		8		8		8	4,488.00	8	4,163.50	8	3,815.46	8	3,456.63	8	3,097.75	8	2,738.88
1/4		1/4		1/4		1/4	4,795.33	1/4	4,481.49	1/4	4,156.48	1/4	3,808.01	1/4	3,449.15	1/4	3,090.28	1/4	2,731.41
1/2		1/2		1/2		1/2	4,790.12	1/2	4,474.94	1/2	4,149.42	1/2	3,800.54	1/2	3,441.67	1/2	3,082.80	1/2	2,723.93
3/4		3/4		3/4		3/4	4,784.91	3/4	4,468.40	3/4	4,142.35	3/4	3,793.06	3/4	3,434.20	3/4	3,075.32	3/4	2,716.45
9		9		9		9	4,779.70	9	4,461.85	9	4,135.29	9	3,785.59	9	3,426.72	9	3,067.85	9	2,708.98
1/4		1/4		1/4		1/4	4,774.49	1/4	4,455.31	1/4	4,128.23	1/4	3,778.12	1/4	3,419.24	1/4	3,060.37	1/4	2,701.50
1/2		1/2		1/2		1/2	4,768.05	1/2	4,448.73	1/2	4,121.13	1/2	3,770.64	1/2	3,411.77	1/2	3,052.89	1/2	2,694.02
3/4		3/4		3/4		3/4	4,761.61	3/4	4,442.15	3/4	4,114.04	3/4	3,763.16	3/4	3,404.29	3/4	3,045.42	3/4	2,686.55
10		10		10		10	4,755.17	10	4,435.57	10	4,106.94	10	3,755.69	10	3,396.81	10	3,037.94	10	2,679.07
1/4		1/4		1/4		1/4	4,748.74	1/4	4,428.99	1/4	4,099.84	1/4	3,748.21	1/4	3,389.34	1/4	3,030.47	1/4	2,671.59
1/2		1/2		1/2		1/2	4,741.52	1/2	4,422.37	1/2	4,092.71	1/2	3,740.73	1/2	3,381.86	1/2	3,022.99	1/2	2,664.12
3/4		3/4		3/4		3/4	4,734.30	3/4	4,415.75	3/4	4,085.57	3/4	3,733.26	3/4	3,374.38	3/4	3,015.51	3/4	2,656.64
11		11		11		11	4,727.08	11	4,409.14	11	4,078.44	11	3,725.78	11	3,366.91	11	3,008.04	11	2,649.16
1/4		1/4		1/4		1/4	4,719.87	1/4	4,402.52	1/4	4,071.30	1/4	3,718.30	1/4	3,359.43	1/4	3,000.56	1/4	2,641.69
1/2		1/2		1/2		1/2	4,712.47	1/2	4,395.87	1/2	4,064.13	1/2	3,710.83	1/2	3,351.95	1/2	2,993.08	1/2	2,634.21
3/4		3/4		3/4		3/4	4,705.08	3/4	4,389.22	3/4	4,056.96	3/4	3,703.35	3/4	3,344.48	3/4	2,985.61	3/4	2,626.73

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
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BARGE "KIRBY 27772"

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	2,619.26	0	2,260.39	0	1,901.51	0	1,542.63	0	1,187.65	0	829.84	0	477.81	0	122.82	0		0	
1/4	2,611.78	1/4	2,252.91	1/4	1,894.03	1/4	1,535.15	1/4	1,180.19	1/4	822.36	1/4	470.56	1/4	116.03	1/4		1/4	
1/2	2,604.30	1/2	2,245.43	1/2	1,886.55	1/2	1,527.75	1/2	1,172.74	1/2	814.89	1/2	463.10	1/2	109.26	1/2		1/2	
3/4	2,596.83	3/4	2,237.96	3/4	1,879.08	3/4	1,520.36	3/4	1,165.29	3/4	807.41	3/4	455.65	3/4	102.49	3/4		3/4	
1	2,589.35	1	2,230.48	1	1,871.60	1	1,512.96	1	1,157.84	1	799.93	1	448.19	1	95.72	1		1	
1/4	2,581.88	1/4	2,223.00	1/4	1,864.12	1/4	1,505.57	1/4	1,150.39	1/4	792.46	1/4	440.74	1/4	88.94	1/4		1/4	
1/2	2,574.40	1/2	2,215.53	1/2	1,856.65	1/2	1,498.25	1/2	1,142.94	1/2	784.98	1/2	433.29	1/2	81.76	1/2		1/2	
3/4	2,566.92	3/4	2,208.05	3/4	1,849.17	3/4	1,490.94	3/4	1,135.49	3/4	777.50	3/4	425.84	3/4	74.58	3/4		3/4	
2	2,559.45	2	2,200.57	2	1,841.69	2	1,483.62	2	1,128.04	2	770.02	2	418.40	2	67.40	2		2	
1/4	2,551.97	1/4	2,193.10	1/4	1,834.22	1/4	1,476.31	1/4	1,120.60	1/4	762.55	1/4	410.95	1/4	60.22	1/4		1/4	
1/2	2,544.49	1/2	2,185.62	1/2	1,826.74	1/2	1,468.99	1/2	1,113.15	1/2	755.07	1/2	403.49	1/2	53.42	1/2		1/2	
3/4	2,537.02	3/4	2,178.14	3/4	1,819.26	3/4	1,461.68	3/4	1,105.70	3/4	747.59	3/4	396.04	3/4	46.61	3/4		3/4	
3	2,529.54	3	2,170.67	3	1,811.79	3	1,454.36	3	1,098.25	3	740.12	3	388.58	3	39.81	3		3	
1/4	2,522.06	1/4	2,163.19	1/4	1,804.31	1/4	1,447.05	1/4	1,090.80	1/4	732.64	1/4	381.13	1/4	33.01	1/4		1/4	
1/2	2,514.59	1/2	2,155.71	1/2	1,796.83	1/2	1,439.74	1/2	1,083.35	1/2	725.16	1/2	373.66	1/2	28.02	1/2		1/2	
3/4	2,507.11	3/4	2,148.24	3/4	1,789.36	3/4	1,432.42	3/4	1,075.91	3/4	717.68	3/4	366.19	3/4	23.04	3/4		3/4	
4	2,499.63	4	2,140.76	4	1,781.88	4	1,425.11	4	1,068.46	4	710.21	4	358.72	4		4		4	
1/4	2,492.16	1/4	2,133.29	1/4	1,774.40	1/4	1,417.79	1/4	1,061.01	1/4	702.73	1/4	351.25	1/4		1/4		1/4	
1/2	2,484.68	1/2	2,125.81	1/2	1,766.93	1/2	1,410.48	1/2	1,053.56	1/2	695.25	1/2	343.78	1/2		1/2		1/2	
3/4	2,477.20	3/4	2,118.33	3/4	1,759.45	3/4	1,403.16	3/4	1,046.11	3/4	687.78	3/4	336.30	3/4		3/4		3/4	
5	2,469.73	5	2,110.86	5	1,751.97	5	1,395.85	5	1,038.66	5	680.30	5	328.82	5		5		5	
1/4	2,462.25	1/4	2,103.38	1/4	1,744.50	1/4	1,388.53	1/4	1,031.22	1/4	672.82	1/4	321.35	1/4		1/4		1/4	
1/2	2,454.77	1/2	2,095.90	1/2	1,737.02	1/2	1,381.22	1/2	1,023.77	1/2	665.34	1/2	313.87	1/2		1/2		1/2	
3/4	2,447.30	3/4	2,088.43	3/4	1,729.54	3/4	1,373.90	3/4	1,016.32	3/4	657.87	3/4	306.40	3/4		3/4		3/4	
6	2,439.82	6	2,080.95	6	1,722.07	6	1,366.59	6	1,008.87	6	650.39	6	298.92	6		6		6	
1/4	2,432.35	1/4	2,073.47	1/4	1,714.59	1/4	1,359.27	1/4	1,001.42	1/4	642.91	1/4	291.44	1/4		1/4		1/4	
1/2	2,424.87	1/2	2,066.00	1/2	1,707.11	1/2	1,351.87	1/2	993.98	1/2	635.43	1/2	283.97	1/2		1/2		1/2	
3/4	2,417.39	3/4	2,058.52	3/4	1,699.64	3/4	1,344.48	3/4	986.53	3/4	627.96	3/4	276.49	3/4		3/4		3/4	
7	2,409.92	7	2,051.04	7	1,692.16	7	1,337.08	7	979.08	7	620.48	7	269.01	7		7		7	
1/4	2,402.44	1/4	2,043.57	1/4	1,684.68	1/4	1,329.69	1/4	971.63	1/4	613.00	1/4	261.54	1/4		1/4		1/4	
1/2	2,394.96	1/2	2,036.09	1/2	1,677.21	1/2	1,322.21	1/2	964.18	1/2	605.52	1/2	254.07	1/2		1/2		1/2	
3/4	2,387.49	3/4	2,028.61	3/4	1,669.73	3/4	1,314.73	3/4	956.73	3/4	598.05	3/4	246.60	3/4		3/4		3/4	
8	2,380.01	8	2,021.14	8	1,662.25	8	1,307.25	8	949.29	8	590.57	8	239.13	8		8		8	
1/4	2,372.53	1/4	2,013.66	1/4	1,654.78	1/4	1,299.78	1/4	941.84	1/4	583.09	1/4	231.66	1/4		1/4		1/4	
1/2	2,365.06	1/2	2,006.18	1/2	1,647.30	1/2	1,292.30	1/2	934.39	1/2	575.84	1/2	224.21	1/2		1/2		1/2	
3/4	2,357.58	3/4	1,998.71	3/4	1,639.82	3/4	1,284.82	3/4	926.94	3/4	568.58	3/4	216.75	3/4		3/4		3/4	
9	2,350.10	9	1,991.23	9	1,632.35	9	1,277.34	9	919.49	9	561.32	9	209.30	9		9		9	
1/4	2,342.63	1/4	1,983.75	1/4	1,624.87	1/4	1,269.87	1/4	912.04	1/4	554.07	1/4	201.84	1/4		1/4		1/4	
1/2	2,335.15	1/2	1,976.28	1/2	1,617.39	1/2	1,262.39	1/2	904.57	1/2	547.25	1/2	194.40	1/2		1/2		1/2	
3/4	2,327.67	3/4	1,968.80	3/4	1,609.92	3/4	1,254.91	3/4	897.11	3/4	540.44	3/4	186.96	3/4		3/4		3/4	
10	2,320.20	10	1,961.32	10	1,602.44	10	1,247.43	10	889.64	10	533.62	10	179.51	10		10		10	
1/4	2,312.72	1/4	1,953.85	1/4	1,594.96	1/4	1,239.96	1/4	882.18	1/4	526.81	1/4	172.07	1/4		1/4		1/4	
1/2	2,305.24	1/2	1,946.37	1/2	1,587.49	1/2	1,232.48	1/2	874.70	1/2	520.00	1/2	164.84	1/2		1/2		1/2	
3/4	2,297.77	3/4	1,938.89	3/4	1,580.01	3/4	1,225.00	3/4	867.23	3/4	513.18	3/4	157.62	3/4		3/4		3/4	
11	2,290.29	11	1,931.41	11	1,572.53	11	1,217.52	11	859.75	11	506.37	11	150.39	11		11		11	
1/4	2,282.82	1/4	1,923.94	1/4	1,565.06	1/4	1,210.05	1/4	852.27	1/4	499.55	1/4	143.17	1/4		1/4		1/4	
1/2	2,275.34	1/2	1,916.46	1/2	1,557.58	1/2	1,202.58	1/2	844.79	1/2	492.30	1/2	136.39	1/2		1/2		1/2	
3/4	2,267.86	3/4	1,908.98	3/4	1,550.10	3/4	1,195.12	3/4	837.32	3/4	485.05	3/4	129.60	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2011 CL - SW
CALCULATED: 08/09/2011 CL
PRINTED: 08/09/2011 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 27772"

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	3,965.60	0	3,800.25	0	3,622.16	0	3,432.59	0	3,185.62	0	2,829.12
1/4		1/4		1/4		1/4		1/4	3,961.98	1/4	3,796.71	1/4	3,618.30	1/4	3,428.59	1/4	3,178.17	1/4	2,821.70
1/2		1/2		1/2		1/2		1/2	3,958.36	1/2	3,793.17	1/2	3,614.44	1/2	3,424.60	1/2	3,170.73	1/2	2,814.27
3/4		3/4		3/4		3/4		3/4	3,954.75	3/4	3,789.62	3/4	3,610.58	3/4	3,420.60	3/4	3,163.28	3/4	2,806.85
1		1		1		1		1	3,951.13	1	3,786.08	1	3,606.72	1	3,416.61	1	3,155.84	1	2,799.43
1/4		1/4		1/4		1/4		1/4	3,947.80	1/4	3,782.51	1/4	3,602.84	1/4	3,412.61	1/4	3,148.39	1/4	2,792.00
1/2		1/2		1/2		1/2		1/2	3,944.47	1/2	3,778.95	1/2	3,598.96	1/2	3,408.62	1/2	3,140.95	1/2	2,784.58
3/4		3/4		3/4		3/4		3/4	3,941.13	3/4	3,775.39	3/4	3,595.08	3/4	3,404.62	3/4	3,133.50	3/4	2,777.16
2		2		2		2		2	3,937.80	2	3,771.82	2	3,591.20	2	3,400.63	2	3,126.06	2	2,769.73
1/4		1/4		1/4		1/4		1/4	3,934.45	1/4	3,768.24	1/4	3,587.31	1/4	3,396.63	1/4	3,118.63	1/4	2,762.31
1/2		1/2		1/2		1/2		1/2	3,931.10	1/2	3,764.66	1/2	3,583.41	1/2	3,392.64	1/2	3,111.21	1/2	2,754.89
3/4		3/4		3/4		3/4		3/4	3,927.74	3/4	3,761.07	3/4	3,579.51	3/4	3,388.64	3/4	3,103.79	3/4	2,747.46
3		3		3		3		3	3,924.39	3	3,757.49	3	3,575.61	3	3,384.65	3	3,096.36	3	2,740.04
1/4		1/4		1/4		1/4		1/4	3,921.02	1/4	3,753.84	1/4	3,571.69	1/4	3,380.65	1/4	3,088.94	1/4	2,732.62
1/2		1/2		1/2		1/2		1/2	3,917.65	1/2	3,750.20	1/2	3,567.77	1/2	3,376.66	1/2	3,081.52	1/2	2,725.19
3/4		3/4		3/4		3/4		3/4	3,914.28	3/4	3,746.56	3/4	3,563.86	3/4	3,372.66	3/4	3,074.09	3/4	2,717.77
4		4		4		4		4	3,910.91	4	3,742.91	4	3,559.94	4	3,368.67	4	3,066.67	4	2,710.35
1/4		1/4		1/4		1/4		1/4	3,907.52	1/4	3,739.20	1/4	3,556.00	1/4	3,364.67	1/4	3,059.25	1/4	2,702.92
1/2		1/2		1/2		1/2		1/2	3,904.13	1/2	3,735.50	1/2	3,552.06	1/2	3,360.68	1/2	3,051.82	1/2	2,695.50
3/4		3/4		3/4		3/4		3/4	3,900.74	3/4	3,731.79	3/4	3,548.13	3/4	3,356.68	3/4	3,044.40	3/4	2,688.08
5		5		5		5		5	3,897.35	5	3,728.09	5	3,544.19	5	3,352.69	5	3,036.97	5	2,680.65
1/4		1/4		1/4		1/4		1/4	3,893.94	1/4	3,724.36	1/4	3,540.23	1/4	3,348.69	1/4	3,029.55	1/4	2,673.23
1/2		1/2		1/2		1/2		1/2	3,890.53	1/2	3,720.64	1/2	3,536.28	1/2	3,344.70	1/2	3,022.13	1/2	2,665.80
3/4		3/4		3/4		3/4		3/4	3,887.12	3/4	3,716.91	3/4	3,532.32	3/4	3,340.70	3/4	3,014.70	3/4	2,658.38
6		6		6		6		6	3,883.71	6	3,713.19	6	3,528.37	6	3,336.71	6	3,007.28	6	2,650.96
1/4		1/4		1/4		1/4		1/4	3,880.28	1/4	3,709.44	1/4	3,524.39	1/4	3,332.71	1/4	2,999.86	1/4	2,643.53
1/2		1/2		1/2		1/2		1/2	3,876.85	1/2	3,705.70	1/2	3,520.41	1/2	3,328.72	1/2	2,992.43	1/2	2,636.11
3/4		3/4		3/4		3/4		3/4	3,873.42	3/4	3,701.95	3/4	3,516.44	3/4	3,324.72	3/4	2,985.01	3/4	2,628.69
7		7		7		7		7	3,869.99	7	3,698.21	7	3,512.46	7	3,320.73	7	2,977.59	7	2,621.26
1/4		1/4		1/4		1/4		1/4	3,866.54	1/4	3,694.44	1/4	3,508.47	1/4	3,316.73	1/4	2,970.16	1/4	2,613.84
1/2		1/2		1/2		1/2		1/2	3,863.09	1/2	3,690.68	1/2	3,504.48	1/2	3,312.74	1/2	2,962.74	1/2	2,606.42
3/4		3/4		3/4		3/4		3/4	3,859.64	3/4	3,686.92	3/4	3,500.49	3/4	3,308.75	3/4	2,955.32	3/4	2,598.99
8		8		8		8	4,020.56	8	3,856.20	8	3,683.15	8	3,496.51	8	3,304.75	8	2,947.89	8	2,591.57
1/4		1/4		1/4		1/4	4,018.20	1/4	3,852.73	1/4	3,679.37	1/4	3,492.51	1/4	3,297.30	1/4	2,940.47	1/4	2,584.15
1/2		1/2		1/2		1/2	4,015.84	1/2	3,849.26	1/2	3,675.59	1/2	3,488.52	1/2	3,289.86	1/2	2,933.05	1/2	2,576.72
3/4		3/4		3/4		3/4	4,013.48	3/4	3,845.79	3/4	3,671.80	3/4	3,484.52	3/4	3,282.41	3/4	2,925.62	3/4	2,569.30
9		9		9		9	4,011.12	9	3,842.33	9	3,668.02	9	3,480.53	9	3,274.97	9	2,918.20	9	2,561.88
1/4		1/4		1/4		1/4	4,007.56	1/4	3,838.84	1/4	3,664.22	1/4	3,476.53	1/4	3,267.52	1/4	2,910.78	1/4	2,554.45
1/2		1/2		1/2		1/2	4,004.00	1/2	3,835.35	1/2	3,660.42	1/2	3,472.54	1/2	3,260.08	1/2	2,903.35	1/2	2,547.03
3/4		3/4		3/4		3/4	4,000.44	3/4	3,831.87	3/4	3,656.61	3/4	3,468.54	3/4	3,252.63	3/4	2,895.93	3/4	2,539.61
10		10		10		10	3,996.88	10	3,828.38	10	3,652.81	10	3,464.55	10	3,245.19	10	2,888.51	10	2,532.18
1/4		1/4		1/4		1/4	3,992.97	1/4	3,824.87	1/4	3,648.99	1/4	3,460.55	1/4	3,237.74	1/4	2,881.08	1/4	2,524.76
1/2		1/2		1/2		1/2	3,989.06	1/2	3,821.37	1/2	3,645.17	1/2	3,456.56	1/2	3,230.29	1/2	2,873.66	1/2	2,517.34
3/4		3/4		3/4		3/4	3,985.15	3/4	3,817.86	3/4	3,641.35	3/4	3,452.56	3/4	3,222.85	3/4	2,866.24	3/4	2,509.91
11		11		11		11	3,981.24	11	3,814.36	11	3,637.52	11	3,448.57	11	3,215.40	11	2,858.81	11	2,502.49
1/4		1/4		1/4		1/4	3,977.33	1/4	3,810.83	1/4	3,633.68	1/4	3,444.57	1/4	3,207.96	1/4	2,851.39	1/4	2,495.07
1/2		1/2		1/2		1/2	3,973.42	1/2	3,807.31	1/2	3,629.84	1/2	3,440.58	1/2	3,200.51	1/2	2,843.97	1/2	2,487.64
3/4		3/4		3/4		3/4	3,969.51	3/4	3,803.78	3/4	3,626.00	3/4	3,436.58	3/4	3,193.07	3/4	2,836.54	3/4	2,480.22

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 56'-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 27772"

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	2,472.80	0	2,116.47	0	1,760.15	0	1,404.28	0	1,054.05	0	708.66	0	363.41	0	52.71	0		0	
1/4	2,465.37	1/4	2,109.05	1/4	1,752.72	1/4	1,397.04	1/4	1,046.86	1/4	701.44	1/4	356.01	1/4	51.36	1/4		1/4	
1/2	2,457.95	1/2	2,101.63	1/2	1,745.30	1/2	1,389.80	1/2	1,039.68	1/2	694.23	1/2	348.61	1/2	50.01	1/2		1/2	
3/4	2,450.53	3/4	2,094.20	3/4	1,737.87	3/4	1,382.56	3/4	1,032.49	3/4	687.01	3/4	341.21	3/4	48.66	3/4		3/4	
1	2,443.10	1	2,086.78	1	1,730.45	1	1,375.33	1	1,025.30	1	679.79	1	333.81	1	47.31	1		1	
1/4	2,435.68	1/4	2,079.36	1/4	1,723.03	1/4	1,368.06	1/4	1,018.12	1/4	672.57	1/4	326.42	1/4	46.80	1/4		1/4	
1/2	2,428.26	1/2	2,071.93	1/2	1,715.60	1/2	1,360.80	1/2	1,010.93	1/2	665.35	1/2	319.02	1/2	46.29	1/2		1/2	
3/4	2,420.83	3/4	2,064.51	3/4	1,708.18	3/4	1,353.54	3/4	1,003.74	3/4	658.14	3/4	311.62	3/4		3/4		3/4	
2	2,413.41	2	2,057.09	2	1,700.76	2	1,346.28	2	996.56	2	650.92	2	304.22	2		2		2	
1/4	2,405.99	1/4	2,049.66	1/4	1,693.33	1/4	1,339.01	1/4	989.37	1/4	643.70	1/4	296.81	1/4		1/4		1/4	
1/2	2,398.56	1/2	2,042.24	1/2	1,685.91	1/2	1,331.75	1/2	982.18	1/2	636.48	1/2	289.39	1/2		1/2		1/2	
3/4	2,391.14	3/4	2,034.82	3/4	1,678.48	3/4	1,324.49	3/4	975.00	3/4	629.27	3/4	281.98	3/4		3/4		3/4	
3	2,383.72	3	2,027.39	3	1,671.06	3	1,317.23	3	967.81	3	622.05	3	274.57	3		3		3	
1/4	2,376.29	1/4	2,019.97	1/4	1,663.64	1/4	1,309.96	1/4	960.62	1/4	614.83	1/4	267.14	1/4		1/4		1/4	
1/2	2,368.87	1/2	2,012.55	1/2	1,656.21	1/2	1,302.70	1/2	953.44	1/2	607.61	1/2	259.71	1/2		1/2		1/2	
3/4	2,361.45	3/4	2,005.12	3/4	1,648.79	3/4	1,295.44	3/4	946.25	3/4	600.39	3/4	252.29	3/4		3/4		3/4	
4	2,354.02	4	1,997.70	4	1,641.37	4	1,288.18	4	939.06	4	593.18	4	244.86	4		4		4	
1/4	2,346.60	1/4	1,990.28	1/4	1,633.94	1/4	1,280.91	1/4	931.88	1/4	585.96	1/4	237.43	1/4		1/4		1/4	
1/2	2,339.18	1/2	1,982.85	1/2	1,626.52	1/2	1,273.65	1/2	924.69	1/2	578.74	1/2	230.01	1/2		1/2		1/2	
3/4	2,331.75	3/4	1,975.43	3/4	1,619.10	3/4	1,266.39	3/4	917.50	3/4	571.52	3/4	222.58	3/4		3/4		3/4	
5	2,324.33	5	1,968.01	5	1,611.67	5	1,259.12	5	910.32	5	564.31	5	215.15	5		5		5	
1/4	2,316.91	1/4	1,960.58	1/4	1,604.25	1/4	1,251.88	1/4	903.13	1/4	556.88	1/4	207.72	1/4		1/4		1/4	
1/2	2,309.48	1/2	1,953.16	1/2	1,596.82	1/2	1,244.63	1/2	895.94	1/2	549.45	1/2	200.30	1/2		1/2		1/2	
3/4	2,302.06	3/4	1,945.74	3/4	1,589.40	3/4	1,237.38	3/4	888.75	3/4	542.02	3/4	192.87	3/4		3/4		3/4	
6	2,294.63	6	1,938.31	6	1,581.98	6	1,230.14	6	881.56	6	534.59	6	185.44	6		6		6	
1/4	2,287.21	1/4	1,930.89	1/4	1,574.55	1/4	1,222.73	1/4	874.37	1/4	527.16	1/4	178.01	1/4		1/4		1/4	
1/2	2,279.79	1/2	1,923.46	1/2	1,567.13	1/2	1,215.32	1/2	867.18	1/2	519.73	1/2	170.59	1/2		1/2		1/2	
3/4	2,272.36	3/4	1,916.04	3/4	1,559.71	3/4	1,207.91	3/4	859.99	3/4	512.31	3/4	163.16	3/4		3/4		3/4	
7	2,264.94	7	1,908.62	7	1,552.28	7	1,200.51	7	852.81	7	504.88	7	155.73	7		7		7	
1/4	2,257.52	1/4	1,901.19	1/4	1,544.88	1/4	1,193.10	1/4	845.62	1/4	497.45	1/4	148.32	1/4		1/4		1/4	
1/2	2,250.09	1/2	1,893.77	1/2	1,537.48	1/2	1,185.69	1/2	838.43	1/2	490.02	1/2	140.91	1/2		1/2		1/2	
3/4	2,242.67	3/4	1,886.35	3/4	1,530.08	3/4	1,178.28	3/4	831.24	3/4	482.59	3/4	133.49	3/4		3/4		3/4	
8	2,235.25	8	1,878.92	8	1,522.68	8	1,170.87	8	824.05	8	475.16	8	126.08	8		8		8	
1/4	2,227.82	1/4	1,871.50	1/4	1,515.28	1/4	1,163.46	1/4	816.86	1/4	468.17	1/4	119.30	1/4		1/4		1/4	
1/2	2,220.40	1/2	1,864.08	1/2	1,507.88	1/2	1,156.06	1/2	809.66	1/2	461.19	1/2	112.53	1/2		1/2		1/2	
3/4	2,212.98	3/4	1,856.65	3/4	1,500.48	3/4	1,148.65	3/4	802.47	3/4	454.20	3/4	105.75	3/4		3/4		3/4	
9	2,205.55	9	1,849.23	9	1,493.08	9	1,141.24	9	795.27	9	447.21	9	98.97	9		9		9	
1/4	2,198.13	1/4	1,841.81	1/4	1,485.68	1/4	1,133.83	1/4	788.06	1/4	440.66	1/4	93.44	1/4		1/4		1/4	
1/2	2,190.71	1/2	1,834.38	1/2	1,478.28	1/2	1,126.42	1/2	780.84	1/2	434.11	1/2	87.91	1/2		1/2		1/2	
3/4	2,183.28	3/4	1,826.96	3/4	1,470.88	3/4	1,119.01	3/4	773.62	3/4	427.56	3/4	82.37	3/4		3/4		3/4	
10	2,175.86	10	1,819.53	10	1,463.48	10	1,111.61	10	766.40	10	421.01	10	76.84	10		10		10	
1/4	2,168.44	1/4	1,812.11	1/4	1,456.08	1/4	1,104.41	1/4	759.19	1/4	414.03	1/4	72.98	1/4		1/4		1/4	
1/2	2,161.01	1/2	1,804.69	1/2	1,448.68	1/2	1,097.21	1/2	751.97	1/2	407.04	1/2	69.13	1/2		1/2		1/2	
3/4	2,153.59	3/4	1,797.26	3/4	1,441.28	3/4	1,090.01	3/4	744.75	3/4	400.05	3/4	65.27	3/4		3/4		3/4	
11	2,146.17	11	1,789.84	11	1,433.88	11	1,082.81	11	737.53	11	393.06	11	61.41	11		11		11	
1/4	2,138.74	1/4	1,782.42	1/4	1,426.48	1/4	1,075.62	1/4	730.31	1/4	385.65	1/4	59.24	1/4		1/4		1/4	
1/2	2,131.32	1/2	1,774.99	1/2	1,419.08	1/2	1,068.43	1/2	723.10	1/2	378.23	1/2	57.06	1/2		1/2		1/2	
3/4	2,123.90	3/4	1,767.57	3/4	1,411.68	3/4	1,061.24	3/4	715.88	3/4	370.82	3/4	54.89	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2011 CL - SW
CALCULATED: 08/09/2011 CL
PRINTED: 08/09/2011 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 27772"

3 STBD 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	3,992.73	0	3,827.30	0	3,649.12	0	3,459.46	0	3,212.41	0	2,854.92
1/4		1/4		1/4		1/4		1/4	3,989.12	1/4	3,823.76	1/4	3,645.26	1/4	3,455.47	1/4	3,204.96	1/4	2,847.48
1/2		1/2		1/2		1/2		1/2	3,985.50	1/2	3,820.21	1/2	3,641.40	1/2	3,451.47	1/2	3,197.51	1/2	2,840.03
3/4		3/4		3/4		3/4		3/4	3,981.88	3/4	3,816.66	3/4	3,637.54	3/4	3,447.47	3/4	3,190.07	3/4	2,832.58
1		1		1		1		1	3,978.26	1	3,813.12	1	3,633.68	1	3,443.48	1	3,182.62	1	2,825.13
1/4		1/4		1/4		1/4		1/4	3,974.93	1/4	3,809.55	1/4	3,629.80	1/4	3,439.48	1/4	3,175.17	1/4	2,817.69
1/2		1/2		1/2		1/2		1/2	3,971.59	1/2	3,805.99	1/2	3,625.91	1/2	3,435.48	1/2	3,167.72	1/2	2,810.24
3/4		3/4		3/4		3/4		3/4	3,968.26	3/4	3,802.42	3/4	3,622.03	3/4	3,431.49	3/4	3,160.28	3/4	2,802.79
2		2		2		2		2	3,964.92	2	3,798.86	2	3,618.15	2	3,427.49	2	3,152.83	2	2,795.34
1/4		1/4		1/4		1/4		1/4	3,961.57	1/4	3,795.27	1/4	3,614.25	1/4	3,423.49	1/4	3,145.38	1/4	2,787.90
1/2		1/2		1/2		1/2		1/2	3,958.21	1/2	3,791.69	1/2	3,610.35	1/2	3,419.50	1/2	3,137.93	1/2	2,780.45
3/4		3/4		3/4		3/4		3/4	3,954.86	3/4	3,788.10	3/4	3,606.45	3/4	3,415.50	3/4	3,130.49	3/4	2,773.00
3		3		3		3		3	3,951.51	3	3,784.52	3	3,602.55	3	3,411.50	3	3,123.04	3	2,765.55
1/4		1/4		1/4		1/4		1/4	3,948.13	1/4	3,780.87	1/4	3,598.63	1/4	3,407.51	1/4	3,115.59	1/4	2,758.11
1/2		1/2		1/2		1/2		1/2	3,944.76	1/2	3,777.22	1/2	3,594.71	1/2	3,403.51	1/2	3,108.14	1/2	2,750.66
3/4		3/4		3/4		3/4		3/4	3,941.39	3/4	3,773.58	3/4	3,590.79	3/4	3,399.51	3/4	3,100.70	3/4	2,743.21
4		4		4		4		4	3,938.01	4	3,769.93	4	3,586.87	4	3,395.52	4	3,093.25	4	2,735.76
1/4		1/4		1/4		1/4		1/4	3,934.62	1/4	3,766.22	1/4	3,582.93	1/4	3,391.52	1/4	3,085.80	1/4	2,728.32
1/2		1/2		1/2		1/2		1/2	3,931.23	1/2	3,762.52	1/2	3,578.99	1/2	3,387.52	1/2	3,078.35	1/2	2,720.87
3/4		3/4		3/4		3/4		3/4	3,927.84	3/4	3,758.81	3/4	3,575.06	3/4	3,383.53	3/4	3,070.91	3/4	2,713.42
5		5		5		5		5	3,924.44	5	3,755.10	5	3,571.12	5	3,379.53	5	3,063.46	5	2,705.97
1/4		1/4		1/4		1/4		1/4	3,921.03	1/4	3,751.37	1/4	3,567.16	1/4	3,375.53	1/4	3,056.01	1/4	2,698.53
1/2		1/2		1/2		1/2		1/2	3,917.62	1/2	3,747.65	1/2	3,563.20	1/2	3,371.54	1/2	3,048.56	1/2	2,691.08
3/4		3/4		3/4		3/4		3/4	3,914.21	3/4	3,743.92	3/4	3,559.24	3/4	3,367.54	3/4	3,041.11	3/4	2,683.63
6		6		6		6		6	3,910.80	6	3,740.19	6	3,555.28	6	3,363.54	6	3,033.67	6	2,676.18
1/4		1/4		1/4		1/4		1/4	3,907.37	1/4	3,736.45	1/4	3,551.31	1/4	3,359.55	1/4	3,026.22	1/4	2,668.73
1/2		1/2		1/2		1/2		1/2	3,903.94	1/2	3,732.70	1/2	3,547.33	1/2	3,355.55	1/2	3,018.77	1/2	2,661.29
3/4		3/4		3/4		3/4		3/4	3,900.51	3/4	3,728.95	3/4	3,543.35	3/4	3,351.55	3/4	3,011.32	3/4	2,653.84
7		7		7		7		7	3,897.08	7	3,725.21	7	3,539.37	7	3,347.56	7	3,003.88	7	2,646.39
1/4		1/4		1/4		1/4		1/4	3,893.63	1/4	3,721.44	1/4	3,535.38	1/4	3,343.56	1/4	2,996.43	1/4	2,638.94
1/2		1/2		1/2		1/2		1/2	3,890.18	1/2	3,717.67	1/2	3,531.39	1/2	3,339.56	1/2	2,988.98	1/2	2,631.50
3/4		3/4		3/4		3/4		3/4	3,886.72	3/4	3,713.91	3/4	3,527.40	3/4	3,335.57	3/4	2,981.53	3/4	2,624.05
8		8		8		8	4,047.73	8	3,883.27	8	3,710.14	8	3,523.41	8	3,331.57	8	2,974.09	8	2,616.60
1/4		1/4		1/4		1/4	4,045.37	1/4	3,879.81	1/4	3,706.36	1/4	3,519.41	1/4	3,324.12	1/4	2,966.64	1/4	2,609.15
1/2		1/2		1/2		1/2	4,043.01	1/2	3,876.34	1/2	3,702.57	1/2	3,515.41	1/2	3,316.68	1/2	2,959.19	1/2	2,601.71
3/4		3/4		3/4		3/4	4,040.65	3/4	3,872.87	3/4	3,698.79	3/4	3,511.42	3/4	3,309.23	3/4	2,951.74	3/4	2,594.26
9		9		9		9	4,038.29	9	3,869.40	9	3,695.00	9	3,507.42	9	3,301.78	9	2,944.30	9	2,586.81
1/4		1/4		1/4		1/4	4,034.72	1/4	3,865.91	1/4	3,691.20	1/4	3,503.43	1/4	3,294.33	1/4	2,936.85	1/4	2,579.36
1/2		1/2		1/2		1/2	4,031.16	1/2	3,862.42	1/2	3,687.40	1/2	3,499.43	1/2	3,286.89	1/2	2,929.40	1/2	2,571.92
3/4		3/4		3/4		3/4	4,027.60	3/4	3,858.93	3/4	3,683.59	3/4	3,495.43	3/4	3,279.44	3/4	2,921.95	3/4	2,564.47
10		10		10		10	4,024.03	10	3,855.44	10	3,679.79	10	3,491.44	10	3,271.99	10	2,914.51	10	2,557.02
1/4		1/4		1/4		1/4	4,020.12	1/4	3,851.94	1/4	3,675.96	1/4	3,487.44	1/4	3,264.54	1/4	2,907.06	1/4	2,549.57
1/2		1/2		1/2		1/2	4,016.21	1/2	3,848.43	1/2	3,672.14	1/2	3,483.44	1/2	3,257.10	1/2	2,899.61	1/2	2,542.13
3/4		3/4		3/4		3/4	4,012.29	3/4	3,844.92	3/4	3,668.32	3/4	3,479.45	3/4	3,249.65	3/4	2,892.16	3/4	2,534.68
11		11		11		11	4,008.38	11	3,841.41	11	3,664.49	11	3,475.45	11	3,242.20	11	2,884.72	11	2,527.23
1/4		1/4		1/4		1/4	4,004.47	1/4	3,837.88	1/4	3,660.65	1/4	3,471.45	1/4	3,234.75	1/4	2,877.27	1/4	2,519.78
1/2		1/2		1/2		1/2	4,000.56	1/2	3,834.36	1/2	3,656.81	1/2	3,467.46	1/2	3,227.30	1/2	2,869.82	1/2	2,512.34
3/4		3/4		3/4		3/4	3,996.65	3/4	3,830.83	3/4	3,652.97	3/4	3,463.46	3/4	3,219.86	3/4	2,862.37	3/4	2,504.89

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 56'-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 27772"

3 STBD 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	2,497.44	0	2,139.96	0	1,782.47	0	1,424.97	0	1,071.45	0	714.96	0	364.54	0	52.88	0		0	
1/4	2,489.99	1/4	2,132.51	1/4	1,775.02	1/4	1,417.69	1/4	1,064.03	1/4	707.51	1/4	357.12	1/4	51.51	1/4		1/4	
1/2	2,482.54	1/2	2,125.06	1/2	1,767.57	1/2	1,410.40	1/2	1,056.61	1/2	700.06	1/2	349.70	1/2	50.14	1/2		1/2	
3/4	2,475.10	3/4	2,117.61	3/4	1,760.12	3/4	1,403.12	3/4	1,049.19	3/4	692.62	3/4	342.29	3/4	48.77	3/4		3/4	
1	2,467.65	1	2,110.16	1	1,752.68	1	1,395.83	1	1,041.77	1	685.17	1	334.87	1	47.40	1		1	
1/4	2,460.20	1/4	2,102.72	1/4	1,745.23	1/4	1,388.54	1/4	1,034.35	1/4	677.72	1/4	327.45	1/4	46.87	1/4		1/4	
1/2	2,452.75	1/2	2,095.27	1/2	1,737.78	1/2	1,381.26	1/2	1,026.93	1/2	670.27	1/2	320.03	1/2	46.34	1/2		1/2	
3/4	2,445.31	3/4	2,087.82	3/4	1,730.33	3/4	1,373.97	3/4	1,019.51	3/4	662.82	3/4	312.61	3/4		3/4		3/4	
2	2,437.86	2	2,080.37	2	1,722.88	2	1,366.69	2	1,012.09	2	655.38	2	305.19	2		2		2	
1/4	2,430.41	1/4	2,072.93	1/4	1,715.44	1/4	1,359.40	1/4	1,004.67	1/4	647.93	1/4	297.76	1/4		1/4		1/4	
1/2	2,422.96	1/2	2,065.48	1/2	1,707.99	1/2	1,352.11	1/2	997.25	1/2	640.48	1/2	290.33	1/2		1/2		1/2	
3/4	2,415.52	3/4	2,058.03	3/4	1,700.54	3/4	1,344.83	3/4	989.83	3/4	633.03	3/4	282.90	3/4		3/4		3/4	
3	2,408.07	3	2,050.58	3	1,693.09	3	1,337.54	3	982.42	3	625.58	3	275.46	3		3		3	
1/4	2,400.62	1/4	2,043.14	1/4	1,685.65	1/4	1,330.26	1/4	975.00	1/4	618.14	1/4	268.02	1/4		1/4		1/4	
1/2	2,393.17	1/2	2,035.69	1/2	1,678.20	1/2	1,322.97	1/2	967.58	1/2	610.69	1/2	260.57	1/2		1/2		1/2	
3/4	2,385.73	3/4	2,028.24	3/4	1,670.75	3/4	1,315.69	3/4	960.16	3/4	603.24	3/4	253.12	3/4		3/4		3/4	
4	2,378.28	4	2,020.79	4	1,663.30	4	1,308.40	4	952.74	4	595.79	4	245.67	4		4		4	
1/4	2,370.83	1/4	2,013.35	1/4	1,655.85	1/4	1,301.11	1/4	945.32	1/4	588.34	1/4	238.23	1/4		1/4		1/4	
1/2	2,363.38	1/2	2,005.90	1/2	1,648.41	1/2	1,293.83	1/2	937.90	1/2	580.90	1/2	230.78	1/2		1/2		1/2	
3/4	2,355.94	3/4	1,998.45	3/4	1,640.96	3/4	1,286.54	3/4	930.48	3/4	573.45	3/4	223.33	3/4		3/4		3/4	
5	2,348.49	5	1,991.00	5	1,633.51	5	1,279.25	5	923.06	5	566.00	5	215.88	5		5		5	
1/4	2,341.04	1/4	1,983.56	1/4	1,626.06	1/4	1,271.97	1/4	915.64	1/4	558.55	1/4	208.44	1/4		1/4		1/4	
1/2	2,333.59	1/2	1,976.11	1/2	1,618.62	1/2	1,264.68	1/2	908.22	1/2	551.10	1/2	200.99	1/2		1/2		1/2	
3/4	2,326.15	3/4	1,968.66	3/4	1,611.17	3/4	1,257.39	3/4	900.80	3/4	543.65	3/4	193.54	3/4		3/4		3/4	
6	2,318.70	6	1,961.21	6	1,603.72	6	1,250.11	6	893.38	6	536.20	6	186.09	6		6		6	
1/4	2,311.25	1/4	1,953.77	1/4	1,596.27	1/4	1,242.66	1/4	885.97	1/4	528.76	1/4	178.65	1/4		1/4		1/4	
1/2	2,303.80	1/2	1,946.32	1/2	1,588.82	1/2	1,235.21	1/2	878.55	1/2	521.31	1/2	171.20	1/2		1/2		1/2	
3/4	2,296.35	3/4	1,938.87	3/4	1,581.38	3/4	1,227.76	3/4	871.13	3/4	513.86	3/4	163.75	3/4		3/4		3/4	
7	2,288.91	7	1,931.42	7	1,573.93	7	1,220.31	7	863.71	7	506.41	7	156.30	7		7		7	
1/4	2,281.46	1/4	1,923.97	1/4	1,566.48	1/4	1,212.87	1/4	856.29	1/4	498.96	1/4	148.87	1/4		1/4		1/4	
1/2	2,274.01	1/2	1,916.53	1/2	1,559.03	1/2	1,205.42	1/2	848.87	1/2	491.51	1/2	141.44	1/2		1/2		1/2	
3/4	2,266.56	3/4	1,909.08	3/4	1,551.59	3/4	1,197.97	3/4	841.45	3/4	484.06	3/4	134.01	3/4		3/4		3/4	
8	2,259.12	8	1,901.63	8	1,544.14	8	1,190.52	8	834.03	8	476.62	8	126.57	8		8		8	
1/4	2,251.67	1/4	1,894.18	1/4	1,536.69	1/4	1,183.07	1/4	826.61	1/4	469.61	1/4	119.78	1/4		1/4		1/4	
1/2	2,244.22	1/2	1,886.74	1/2	1,529.24	1/2	1,175.62	1/2	819.18	1/2	462.60	1/2	112.98	1/2		1/2		1/2	
3/4	2,236.77	3/4	1,879.29	3/4	1,521.79	3/4	1,168.18	3/4	811.76	3/4	455.59	3/4	106.18	3/4		3/4		3/4	
9	2,229.33	9	1,871.84	9	1,514.35	9	1,160.73	9	804.34	9	448.58	9	99.38	9		9		9	
1/4	2,221.88	1/4	1,864.39	1/4	1,506.90	1/4	1,153.28	1/4	796.89	1/4	442.01	1/4	93.83	1/4		1/4		1/4	
1/2	2,214.43	1/2	1,856.95	1/2	1,499.45	1/2	1,145.83	1/2	789.44	1/2	435.44	1/2	88.28	1/2		1/2		1/2	
3/4	2,206.98	3/4	1,849.50	3/4	1,492.00	3/4	1,138.38	3/4	781.99	3/4	428.88	3/4	82.73	3/4		3/4		3/4	
10	2,199.54	10	1,842.05	10	1,484.56	10	1,130.93	10	774.55	10	422.31	10	77.17	10		10		10	
1/4	2,192.09	1/4	1,834.60	1/4	1,477.11	1/4	1,123.49	1/4	767.10	1/4	415.30	1/4	73.30	1/4		1/4		1/4	
1/2	2,184.64	1/2	1,827.15	1/2	1,469.66	1/2	1,116.04	1/2	759.65	1/2	408.29	1/2	69.42	1/2		1/2		1/2	
3/4	2,177.19	3/4	1,819.71	3/4	1,462.21	3/4	1,108.59	3/4	752.20	3/4	401.28	3/4	65.54	3/4		3/4		3/4	
11	2,169.75	11	1,812.26	11	1,454.76	11	1,101.14	11	744.75	11	394.27	11	61.67	11		11		11	
1/4	2,162.30	1/4	1,804.81	1/4	1,447.32	1/4	1,093.72	1/4	737.31	1/4	386.84	1/4	59.47	1/4		1/4		1/4	
1/2	2,154.85	1/2	1,797.36	1/2	1,439.87	1/2	1,086.29	1/2	729.86	1/2	379.41	1/2	57.27	1/2		1/2		1/2	
3/4	2,147.40	3/4	1,789.92	3/4	1,432.42	3/4	1,078.87	3/4	722.41	3/4	371.97	3/4	55.08	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2011 CL - SW
CALCULATED: 08/09/2011 CL
PRINTED: 08/09/2011 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 27772"

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	00-1/8	- 00-1/8	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 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	- 00-1/4	00-1/4	- 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	- 01-1/2	01-1/2	- 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	- 01-1/2	01-1/2	- 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 00-1/4"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/4"

October 18, 2021

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

<http://www.pmacorp.net>



BARGE "KIRBY 27772"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	8.53	0	309.81	0	672.12	0	1,048.30	0	1,424.50	0	1,801.94	0	2,179.58	0	2,557.22	0	2,934.86	0	3,312.50
1/4	11.90	1/4	317.05	1/4	679.99	1/4	1,056.11	1/4	1,432.34	1/4	1,809.80	1/4	2,187.45	1/4	2,565.09	1/4	2,942.73	1/4	3,320.37
1/2	15.27	1/2	324.28	1/2	687.86	1/2	1,063.92	1/2	1,440.18	1/2	1,817.67	1/2	2,195.32	1/2	2,572.96	1/2	2,950.60	1/2	3,328.24
3/4	20.67	3/4	331.61	3/4	695.72	3/4	1,071.73	3/4	1,448.02	3/4	1,825.54	3/4	2,203.18	3/4	2,580.82	3/4	2,958.46	3/4	3,336.10
1	26.06	1	338.94	1	703.59	1	1,079.54	1	1,455.86	1	1,833.41	1	2,211.05	1	2,588.69	1	2,966.33	1	3,343.97
1/4	31.45	1/4	346.26	1/4	711.46	1/4	1,087.35	1/4	1,463.70	1/4	1,841.27	1/4	2,218.92	1/4	2,596.56	1/4	2,974.20	1/4	3,351.84
1/2	36.85	1/2	353.59	1/2	719.33	1/2	1,095.16	1/2	1,471.54	1/2	1,849.14	1/2	2,226.79	1/2	2,604.43	1/2	2,982.07	1/2	3,359.71
3/4	42.74	3/4	361.01	3/4	727.20	3/4	1,102.97	3/4	1,479.40	3/4	1,857.01	3/4	2,234.65	3/4	2,612.29	3/4	2,989.93	3/4	3,367.57
2	48.64	2	368.43	2	735.06	2	1,110.78	2	1,487.25	2	1,864.88	2	2,242.52	2	2,620.16	2	2,997.80	2	3,375.44
1/4	54.53	1/4	375.86	1/4	742.93	1/4	1,118.59	1/4	1,495.11	1/4	1,872.75	1/4	2,250.39	1/4	2,628.03	1/4	3,005.67	1/4	3,383.31
1/2	60.43	1/2	383.28	1/2	750.80	1/2	1,126.40	1/2	1,502.96	1/2	1,880.61	1/2	2,258.26	1/2	2,635.90	1/2	3,013.54	1/2	3,391.18
3/4	65.99	3/4	390.81	3/4	758.67	3/4	1,134.21	3/4	1,510.83	3/4	1,888.48	3/4	2,266.12	3/4	2,643.76	3/4	3,021.40	3/4	3,399.04
3	71.56	3	398.35	3	766.54	3	1,142.02	3	1,518.69	3	1,896.35	3	2,273.99	3	2,651.63	3	3,029.27	3	3,406.91
1/4	77.13	1/4	405.88	1/4	774.40	1/4	1,149.83	1/4	1,526.56	1/4	1,904.22	1/4	2,281.86	1/4	2,659.50	1/4	3,037.14	1/4	3,414.78
1/2	82.70	1/2	413.42	1/2	782.27	1/2	1,157.65	1/2	1,534.43	1/2	1,912.08	1/2	2,289.73	1/2	2,667.37	1/2	3,045.01	1/2	3,422.65
3/4	88.38	3/4	420.84	3/4	790.14	3/4	1,165.47	3/4	1,542.30	3/4	1,919.95	3/4	2,297.59	3/4	2,675.23	3/4	3,052.87	3/4	3,430.51
4	94.07	4	428.26	4	798.01	4	1,173.30	4	1,550.17	4	1,927.82	4	2,305.46	4	2,683.10	4	3,060.74	4	3,438.38
1/4	99.75	1/4	435.68	1/4	805.88	1/4	1,181.13	1/4	1,558.03	1/4	1,935.69	1/4	2,313.33	1/4	2,690.97	1/4	3,068.61	1/4	3,446.25
1/2	105.44	1/2	443.10	1/2	813.74	1/2	1,188.95	1/2	1,565.90	1/2	1,943.56	1/2	2,321.20	1/2	2,698.84	1/2	3,076.48	1/2	3,454.12
3/4	111.69	3/4	450.17	3/4	821.60	3/4	1,196.81	3/4	1,573.77	3/4	1,951.42	3/4	2,329.06	3/4	2,706.70	3/4	3,084.34	3/4	3,461.98
5	117.95	5	457.23	5	829.45	5	1,204.66	5	1,581.64	5	1,959.29	5	2,336.93	5	2,714.57	5	3,092.21	5	3,469.85
1/4	124.20	1/4	464.30	1/4	837.30	1/4	1,212.51	1/4	1,589.50	1/4	1,967.16	1/4	2,344.80	1/4	2,722.44	1/4	3,100.08	1/4	3,477.72
1/2	130.45	1/2	471.37	1/2	845.16	1/2	1,220.37	1/2	1,597.37	1/2	1,975.03	1/2	2,352.67	1/2	2,730.31	1/2	3,107.95	1/2	3,485.59
3/4	137.04	3/4	478.51	3/4	852.98	3/4	1,228.24	3/4	1,605.24	3/4	1,982.89	3/4	2,360.53	3/4	2,738.17	3/4	3,115.81	3/4	3,493.45
6	143.63	6	485.66	6	860.81	6	1,236.10	6	1,613.11	6	1,990.76	6	2,368.40	6	2,746.04	6	3,123.68	6	3,501.32
1/4	150.22	1/4	492.80	1/4	868.64	1/4	1,243.97	1/4	1,620.98	1/4	1,998.63	1/4	2,376.27	1/4	2,753.91	1/4	3,131.55	1/4	3,509.19
1/2	156.81	1/2	499.94	1/2	876.46	1/2	1,251.84	1/2	1,628.84	1/2	2,006.50	1/2	2,384.14	1/2	2,761.78	1/2	3,139.42	1/2	3,517.06
3/4	163.51	3/4	507.58	3/4	884.28	3/4	1,259.71	3/4	1,636.71	3/4	2,014.37	3/4	2,392.00	3/4	2,769.64	3/4	3,147.28	3/4	3,524.92
7	170.21	7	515.22	7	892.09	7	1,267.58	7	1,644.58	7	2,022.23	7	2,399.87	7	2,777.51	7	3,155.15	7	3,532.79
1/4	176.91	1/4	522.85	1/4	899.90	1/4	1,275.45	1/4	1,652.45	1/4	2,030.10	1/4	2,407.74	1/4	2,785.38	1/4	3,163.02	1/4	3,540.66
1/2	183.62	1/2	530.49	1/2	907.71	1/2	1,283.31	1/2	1,660.32	1/2	2,037.97	1/2	2,415.61	1/2	2,793.25	1/2	3,170.89	1/2	3,548.53
3/4	190.44	3/4	538.36	3/4	915.52	3/4	1,291.17	3/4	1,668.18	3/4	2,045.83	3/4	2,423.47	3/4	2,801.11	3/4	3,178.75	3/4	3,556.39
8	197.26	8	546.23	8	923.33	8	1,299.02	8	1,676.05	8	2,053.70	8	2,431.34	8	2,808.98	8	3,186.62	8	3,564.26
1/4	204.08	1/4	554.09	1/4	931.14	1/4	1,306.88	1/4	1,683.92	1/4	2,061.57	1/4	2,439.21	1/4	2,816.85	1/4	3,194.49	1/4	3,572.13
1/2	210.90	1/2	561.96	1/2	938.95	1/2	1,314.73	1/2	1,691.79	1/2	2,069.44	1/2	2,447.08	1/2	2,824.72	1/2	3,202.36	1/2	3,580.00
3/4	217.83	3/4	569.83	3/4	946.76	3/4	1,322.57	3/4	1,699.65	3/4	2,077.30	3/4	2,454.94	3/4	2,832.58	3/4	3,210.22	3/4	3,587.86
9	224.77	9	577.70	9	954.57	9	1,330.41	9	1,707.52	9	2,085.17	9	2,462.81	9	2,840.45	9	3,218.09	9	3,595.73
1/4	231.70	1/4	585.57	1/4	962.38	1/4	1,338.26	1/4	1,715.39	1/4	2,093.04	1/4	2,470.68	1/4	2,848.32	1/4	3,225.96	1/4	3,603.60
1/2	238.63	1/2	593.44	1/2	970.19	1/2	1,346.10	1/2	1,723.26	1/2	2,100.91	1/2	2,478.55	1/2	2,856.19	1/2	3,233.83	1/2	3,611.47
3/4	245.67	3/4	601.31	3/4	978.00	3/4	1,353.94	3/4	1,731.13	3/4	2,108.77	3/4	2,486.41	3/4	2,864.05	3/4	3,241.69	3/4	3,619.33
10	252.70	10	609.17	10	985.81	10	1,361.78	10	1,738.99	10	2,116.64	10	2,494.28	10	2,871.92	10	3,249.56	10	3,627.20
1/4	259.74	1/4	617.04	1/4	993.62	1/4	1,369.62	1/4	1,746.86	1/4	2,124.51	1/4	2,502.15	1/4	2,879.79	1/4	3,257.43	1/4	3,635.07
1/2	266.78	1/2	624.91	1/2	1,001.44	1/2	1,377.46	1/2	1,754.73	1/2	2,132.38	1/2	2,510.02	1/2	2,887.66	1/2	3,265.30	1/2	3,642.94
3/4	273.92	3/4	632.78	3/4	1,009.25	3/4	1,385.30	3/4	1,762.60	3/4	2,140.24	3/4	2,517.88	3/4	2,895.52	3/4	3,273.16	3/4	3,650.80
11	281.06	11	640.65	11	1,017.06	11	1,393.14	11	1,770.46	11	2,148.11	11	2,525.75	11	2,903.39	11	3,281.03	11	3,658.67
1/4	288.20	1/4	648.51	1/4	1,024.87	1/4	1,400.98	1/4	1,778.33	1/4	2,155.98	1/4	2,533.62	1/4	2,911.26	1/4	3,288.90	1/4	3,666.54
1/2	295.34	1/2	656.38	1/2	1,032.68	1/2	1,408.82	1/2	1,786.20	1/2	2,163.85	1/2	2,541.49	1/2	2,919.13	1/2	3,296.77	1/2	3,674.41
3/4	302.57	3/4	664.25	3/4	1,040.49	3/4	1,416.66	3/4	1,794.07	3/4	2,171.71	3/4	2,549.35	3/4	2,926.99	3/4	3,304.63	3/4	3,682.27

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: (MANUAL) LOCATED 12'-09" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "KIRBY 27772"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

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	3,690.14	0	4,066.19	0	4,424.50	0	4,757.15	0		0		0		0		0		0	
1/4	3,698.01	1/4	4,073.89	1/4	4,431.68	1/4	4,763.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,705.88	1/2	4,081.59	1/2	4,438.86	1/2	4,770.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,713.74	3/4	4,089.25	3/4	4,445.98	3/4	4,777.22	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,721.61	1	4,096.91	1	4,453.10	1	4,783.88	1		1		1		1		1		1	
1/4	3,729.48	1/4	4,104.56	1/4	4,460.22	1/4	4,790.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,737.35	1/2	4,112.22	1/2	4,467.33	1/2	4,797.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,745.21	3/4	4,119.84	3/4	4,474.42	3/4	4,804.14	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,753.08	2	4,127.46	2	4,481.50	2	4,811.06	2		2		2		2		2		2	
1/4	3,760.95	1/4	4,135.09	1/4	4,488.58	1/4	4,817.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,768.82	1/2	4,142.71	1/2	4,495.66	1/2	4,824.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,776.68	3/4	4,150.29	3/4	4,502.70	3/4	4,832.40	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,784.55	3	4,157.87	3	4,509.75	3	4,839.90	3		3		3		3		3		3	
1/4	3,792.42	1/4	4,165.46	1/4	4,516.79	1/4	4,847.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,800.29	1/2	4,173.04	1/2	4,523.83	1/2	4,854.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,808.15	3/4	4,180.58	3/4	4,530.84	3/4	4,862.67	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,816.02	4	4,188.13	4	4,537.84	4	4,870.45	4		4		4		4		4		4	
1/4	3,823.89	1/4	4,195.67	1/4	4,544.85	1/4	4,878.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,831.76	1/2	4,203.22	1/2	4,551.85	1/2	4,886.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,839.62	3/4	4,210.73	3/4	4,558.82	3/4	4,893.62	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,847.49	5	4,218.23	5	4,565.79	5	4,901.21	5		5		5		5		5		5	
1/4	3,855.36	1/4	4,225.74	1/4	4,572.75	1/4	4,908.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,863.23	1/2	4,233.25	1/2	4,579.72	1/2	4,916.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,871.09	3/4	4,240.72	3/4	4,586.65	3/4	4,923.19	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,878.96	6	4,248.19	6	4,593.58	6	4,929.97	6		6		6		6		6		6	
1/4	3,886.83	1/4	4,255.65	1/4	4,600.51	1/4	4,936.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,894.70	1/2	4,263.12	1/2	4,607.44	1/2	4,943.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,902.56	3/4	4,270.56	3/4	4,614.33	3/4	4,949.01	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,910.42	7	4,277.99	7	4,621.22	7	4,954.50	7		7		7		7		7		7	
1/4	3,918.29	1/4	4,285.42	1/4	4,628.11	1/4	4,959.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,926.15	1/2	4,292.85	1/2	4,635.01	1/2	4,965.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,934.00	3/4	4,300.24	3/4	4,641.86	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,941.84	8	4,307.64	8	4,648.71	8		8		8		8		8		8		8	
1/4	3,949.68	1/4	4,315.03	1/4	4,655.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,957.53	1/2	4,322.42	1/2	4,662.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,965.34	3/4	4,329.78	3/4	4,669.23	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,973.15	9	4,337.13	9	4,676.05	9		9		9		9		9		9		9	
1/4	3,980.96	1/4	4,344.49	1/4	4,682.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,988.77	1/2	4,351.84	1/2	4,689.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,996.54	3/4	4,359.16	3/4	4,696.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	4,004.32	10	4,366.48	10	4,703.24	10		10		10		10		10		10		10	
1/4	4,012.09	1/4	4,373.80	1/4	4,710.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,019.86	1/2	4,381.11	1/2	4,716.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,027.60	3/4	4,388.37	3/4	4,723.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,035.33	11	4,395.63	11	4,730.27	11		11		11		11		11		11		11	
1/4	4,043.07	1/4	4,402.89	1/4	4,737.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,050.80	1/2	4,410.15	1/2	4,743.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,058.50	3/4	4,417.32	3/4	4,750.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2011 CL - SW
 RECALCULATED: 10/18/2021 PMA
 REPRINTED: 10/18/2021 PMA

CANCELS AND SUPERCEDES
 ALL PRIOR TO 10/2021

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



BARGE "KIRBY 27772"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	8.54	0	309.85	0	672.16	0	1,049.15	0	1,425.94	0	1,803.38	0	2,181.02	0	2,558.67	0	2,936.31	0	3,313.96
1/4	11.91	1/4	317.09	1/4	680.03	1/4	1,056.99	1/4	1,433.78	1/4	1,811.24	1/4	2,188.89	1/4	2,566.54	1/4	2,944.18	1/4	3,321.83
1/2	15.28	1/2	324.32	1/2	687.90	1/2	1,064.83	1/2	1,441.62	1/2	1,819.11	1/2	2,196.76	1/2	2,574.40	1/2	2,952.05	1/2	3,329.69
3/4	20.68	3/4	331.65	3/4	695.77	3/4	1,072.67	3/4	1,449.46	3/4	1,826.98	3/4	2,204.63	3/4	2,582.27	3/4	2,959.92	3/4	3,337.56
1	26.07	1	338.98	1	703.64	1	1,080.51	1	1,457.30	1	1,834.85	1	2,212.49	1	2,590.14	1	2,967.78	1	3,345.43
1/4	31.46	1/4	346.30	1/4	711.50	1/4	1,088.35	1/4	1,465.14	1/4	1,842.71	1/4	2,220.36	1/4	2,598.01	1/4	2,975.65	1/4	3,353.30
1/2	36.86	1/2	353.63	1/2	719.37	1/2	1,096.19	1/2	1,472.98	1/2	1,850.58	1/2	2,228.23	1/2	2,605.87	1/2	2,983.52	1/2	3,361.16
3/4	42.75	3/4	361.05	3/4	727.24	3/4	1,104.03	3/4	1,480.84	3/4	1,858.45	3/4	2,236.10	3/4	2,613.74	3/4	2,991.39	3/4	3,369.03
2	48.65	2	368.47	2	735.11	2	1,111.87	2	1,488.69	2	1,866.32	2	2,243.96	2	2,621.61	2	2,999.25	2	3,376.90
1/4	54.55	1/4	375.90	1/4	742.98	1/4	1,119.71	1/4	1,496.55	1/4	1,874.19	1/4	2,251.83	1/4	2,629.48	1/4	3,007.12	1/4	3,384.77
1/2	60.44	1/2	383.32	1/2	750.84	1/2	1,127.55	1/2	1,504.40	1/2	1,882.05	1/2	2,259.70	1/2	2,637.34	1/2	3,014.99	1/2	3,392.63
3/4	66.01	3/4	390.85	3/4	758.71	3/4	1,135.39	3/4	1,512.27	3/4	1,889.92	3/4	2,267.57	3/4	2,645.21	3/4	3,022.86	3/4	3,400.50
3	71.58	3	398.39	3	766.58	3	1,143.23	3	1,520.14	3	1,897.79	3	2,275.43	3	2,653.08	3	3,030.72	3	3,408.37
1/4	77.15	1/4	405.92	1/4	774.45	1/4	1,151.07	1/4	1,528.00	1/4	1,905.66	1/4	2,283.30	1/4	2,660.95	1/4	3,038.59	1/4	3,416.24
1/2	82.72	1/2	413.46	1/2	782.32	1/2	1,158.91	1/2	1,535.87	1/2	1,913.53	1/2	2,291.17	1/2	2,668.81	1/2	3,046.46	1/2	3,424.10
3/4	88.40	3/4	420.88	3/4	790.19	3/4	1,166.77	3/4	1,543.74	3/4	1,921.39	3/4	2,299.04	3/4	2,676.68	3/4	3,054.33	3/4	3,431.97
4	94.09	4	428.30	4	798.05	4	1,174.62	4	1,551.61	4	1,929.26	4	2,306.90	4	2,684.55	4	3,062.19	4	3,439.84
1/4	99.78	1/4	435.72	1/4	805.92	1/4	1,182.48	1/4	1,559.47	1/4	1,937.13	1/4	2,314.77	1/4	2,692.42	1/4	3,070.06	1/4	3,447.71
1/2	105.46	1/2	443.14	1/2	813.79	1/2	1,190.33	1/2	1,567.34	1/2	1,945.00	1/2	2,322.64	1/2	2,700.28	1/2	3,077.93	1/2	3,455.57
3/4	111.72	3/4	450.21	3/4	821.66	3/4	1,198.20	3/4	1,575.21	3/4	1,952.86	3/4	2,330.51	3/4	2,708.15	3/4	3,085.80	3/4	3,463.44
5	117.97	5	457.28	5	829.53	5	1,206.07	5	1,583.08	5	1,960.73	5	2,338.38	5	2,716.02	5	3,093.66	5	3,471.31
1/4	124.22	1/4	464.34	1/4	837.39	1/4	1,213.94	1/4	1,590.95	1/4	1,968.60	1/4	2,346.24	1/4	2,723.89	1/4	3,101.53	1/4	3,479.18
1/2	130.48	1/2	471.41	1/2	845.26	1/2	1,221.81	1/2	1,598.81	1/2	1,976.47	1/2	2,354.11	1/2	2,731.76	1/2	3,109.40	1/2	3,487.04
3/4	137.07	3/4	478.55	3/4	853.12	3/4	1,229.68	3/4	1,606.68	3/4	1,984.34	3/4	2,361.98	3/4	2,739.62	3/4	3,117.27	3/4	3,494.91
6	143.66	6	485.70	6	860.97	6	1,237.54	6	1,614.55	6	1,992.20	6	2,369.85	6	2,747.49	6	3,125.14	6	3,502.78
1/4	150.25	1/4	492.84	1/4	868.83	1/4	1,245.41	1/4	1,622.42	1/4	2,000.07	1/4	2,377.71	1/4	2,755.36	1/4	3,133.00	1/4	3,510.65
1/2	156.83	1/2	499.99	1/2	876.68	1/2	1,253.28	1/2	1,630.28	1/2	2,007.94	1/2	2,385.58	1/2	2,763.23	1/2	3,140.87	1/2	3,518.52
3/4	163.54	3/4	507.63	3/4	884.52	3/4	1,261.15	3/4	1,638.15	3/4	2,015.81	3/4	2,393.45	3/4	2,771.09	3/4	3,148.74	3/4	3,526.38
7	170.24	7	515.26	7	892.37	7	1,269.02	7	1,646.02	7	2,023.67	7	2,401.32	7	2,778.96	7	3,156.61	7	3,534.25
1/4	176.94	1/4	522.90	1/4	900.21	1/4	1,276.89	1/4	1,653.89	1/4	2,031.54	1/4	2,409.18	1/4	2,786.83	1/4	3,164.47	1/4	3,542.12
1/2	183.65	1/2	530.53	1/2	908.05	1/2	1,284.75	1/2	1,661.76	1/2	2,039.41	1/2	2,417.05	1/2	2,794.70	1/2	3,172.34	1/2	3,549.99
3/4	190.47	3/4	538.40	3/4	915.89	3/4	1,292.61	3/4	1,669.62	3/4	2,047.27	3/4	2,424.92	3/4	2,802.56	3/4	3,180.21	3/4	3,557.85
8	197.29	8	546.27	8	923.73	8	1,300.46	8	1,677.49	8	2,055.14	8	2,432.79	8	2,810.43	8	3,188.08	8	3,565.72
1/4	204.11	1/4	554.14	1/4	931.57	1/4	1,308.32	1/4	1,685.36	1/4	2,063.01	1/4	2,440.65	1/4	2,818.30	1/4	3,195.94	1/4	3,573.59
1/2	210.93	1/2	562.01	1/2	939.41	1/2	1,316.17	1/2	1,693.23	1/2	2,070.88	1/2	2,448.52	1/2	2,826.17	1/2	3,203.81	1/2	3,581.46
3/4	217.87	3/4	569.88	3/4	947.24	3/4	1,324.01	3/4	1,701.09	3/4	2,078.74	3/4	2,456.39	3/4	2,834.03	3/4	3,211.68	3/4	3,589.32
9	224.80	9	577.74	9	955.08	9	1,331.85	9	1,708.96	9	2,086.61	9	2,464.26	9	2,841.90	9	3,219.55	9	3,597.19
1/4	231.73	1/4	585.61	1/4	962.92	1/4	1,339.70	1/4	1,716.83	1/4	2,094.48	1/4	2,472.12	1/4	2,849.77	1/4	3,227.41	1/4	3,605.06
1/2	238.67	1/2	593.48	1/2	970.76	1/2	1,347.54	1/2	1,724.70	1/2	2,102.35	1/2	2,479.99	1/2	2,857.64	1/2	3,235.28	1/2	3,612.93
3/4	245.70	3/4	601.35	3/4	978.60	3/4	1,355.38	3/4	1,732.57	3/4	2,110.21	3/4	2,487.86	3/4	2,865.50	3/4	3,243.15	3/4	3,620.79
10	252.74	10	609.22	10	986.44	10	1,363.22	10	1,740.43	10	2,118.08	10	2,495.73	10	2,873.37	10	3,251.02	10	3,628.66
1/4	259.78	1/4	617.09	1/4	994.28	1/4	1,371.06	1/4	1,748.30	1/4	2,125.95	1/4	2,503.59	1/4	2,881.24	1/4	3,258.88	1/4	3,636.53
1/2	266.81	1/2	624.96	1/2	1,002.12	1/2	1,378.90	1/2	1,756.17	1/2	2,133.82	1/2	2,511.46	1/2	2,889.11	1/2	3,266.75	1/2	3,644.40
3/4	273.95	3/4	632.82	3/4	1,009.96	3/4	1,386.74	3/4	1,764.04	3/4	2,141.69	3/4	2,519.33	3/4	2,896.97	3/4	3,274.62	3/4	3,652.26
11	281.09	11	640.69	11	1,017.80	11	1,394.58	11	1,771.90	11	2,149.55	11	2,527.20	11	2,904.84	11	3,282.49	11	3,660.13
1/4	288.23	1/4	648.56	1/4	1,025.64	1/4	1,402.42	1/4	1,779.77	1/4	2,157.42	1/4	2,535.07	1/4	2,912.71	1/4	3,290.35	1/4	3,668.00
1/2	295.37	1/2	656.43	1/2	1,033.48	1/2	1,410.26	1/2	1,787.64	1/2	2,165.29	1/2	2,542.93	1/2	2,920.58	1/2	3,298.22	1/2	3,675.87
3/4	302.61	3/4	664.30	3/4	1,041.31	3/4	1,418.10	3/4	1,795.51	3/4	2,173.16	3/4	2,550.80	3/4	2,928.45	3/4	3,306.09	3/4	3,683.73

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: (MANUAL) 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 27772"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,691.60	0	4,067.64	0	4,425.95	0	4,758.62	0		0		0		0		0		0	
1/4	3,699.47	1/4	4,075.33	1/4	4,433.13	1/4	4,765.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,707.34	1/2	4,083.03	1/2	4,440.31	1/2	4,772.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.21	3/4	4,090.69	3/4	4,447.43	3/4	4,778.69	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,723.07	1	4,098.35	1	4,454.55	1	4,785.36	1		1		1		1		1		1	
1/4	3,730.94	1/4	4,106.01	1/4	4,461.67	1/4	4,792.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,738.81	1/2	4,113.66	1/2	4,468.79	1/2	4,798.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,746.68	3/4	4,121.29	3/4	4,475.87	3/4	4,805.61	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,754.54	2	4,128.91	2	4,482.95	2	4,812.54	2		2		2		2		2		2	
1/4	3,762.41	1/4	4,136.53	1/4	4,490.03	1/4	4,819.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,770.28	1/2	4,144.15	1/2	4,497.11	1/2	4,826.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,778.15	3/4	4,151.73	3/4	4,504.16	3/4	4,833.88	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,786.01	3	4,159.32	3	4,511.20	3	4,841.37	3		3		3		3		3		3	
1/4	3,793.88	1/4	4,166.90	1/4	4,518.24	1/4	4,848.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,801.75	1/2	4,174.48	1/2	4,525.29	1/2	4,856.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,809.62	3/4	4,182.03	3/4	4,532.29	3/4	4,864.14	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,817.48	4	4,189.57	4	4,539.30	4	4,871.93	4		4		4		4		4		4	
1/4	3,825.35	1/4	4,197.12	1/4	4,546.30	1/4	4,879.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,833.22	1/2	4,204.66	1/2	4,553.31	1/2	4,887.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,841.09	3/4	4,212.17	3/4	4,560.28	3/4	4,895.09	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,848.95	5	4,219.68	5	4,567.24	5	4,902.69	5		5		5		5		5		5	
1/4	3,856.82	1/4	4,227.18	1/4	4,574.21	1/4	4,910.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,864.69	1/2	4,234.69	1/2	4,581.18	1/2	4,917.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,872.56	3/4	4,242.16	3/4	4,588.11	3/4	4,924.66	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,880.42	6	4,249.63	6	4,595.04	6	4,931.44	6		6		6		6		6		6	
1/4	3,888.29	1/4	4,257.10	1/4	4,601.97	1/4	4,938.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,896.16	1/2	4,264.57	1/2	4,608.90	1/2	4,945.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,904.02	3/4	4,272.00	3/4	4,615.79	3/4	4,950.49	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,911.88	7	4,279.43	7	4,622.68	7	4,955.98	7		7		7		7		7		7	
1/4	3,919.74	1/4	4,286.86	1/4	4,629.57	1/4	4,961.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,927.59	1/2	4,294.29	1/2	4,636.47	1/2	4,966.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,935.44	3/4	4,301.69	3/4	4,643.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,943.28	8	4,309.08	8	4,650.17	8		8		8		8		8		8		8	
1/4	3,951.12	1/4	4,316.47	1/4	4,657.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,958.97	1/2	4,323.87	1/2	4,663.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,966.78	3/4	4,331.22	3/4	4,670.70	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,974.59	9	4,338.58	9	4,677.51	9		9		9		9		9		9		9	
1/4	3,982.40	1/4	4,345.94	1/4	4,684.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,990.21	1/2	4,353.29	1/2	4,691.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,997.98	3/4	4,360.61	3/4	4,697.92	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	4,005.76	10	4,367.93	10	4,704.70	10		10		10		10		10		10		10	
1/4	4,013.53	1/4	4,375.24	1/4	4,711.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,021.30	1/2	4,382.56	1/2	4,718.26	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,029.04	3/4	4,389.82	3/4	4,725.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,036.77	11	4,397.08	11	4,731.74	11		11		11		11		11		11		11	
1/4	4,044.51	1/4	4,404.34	1/4	4,738.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,052.24	1/2	4,411.60	1/2	4,745.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,059.94	3/4	4,418.77	3/4	4,751.92	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2011 CL - SW
RECALCULATED: 10/18/2021 PMA
REPRINTED: 10/18/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2021

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



BARGE "KIRBY 27772"

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	23.05	0	366.29	0	717.87	0	1,066.54	0	1,417.12	0	1,774.14	0	2,133.11	0	2,492.07	0	2,851.04	0	3,210.00
1/4	28.03	1/4	373.76	1/4	725.35	1/4	1,073.69	1/4	1,424.43	1/4	1,781.62	1/4	2,140.59	1/4	2,499.55	1/4	2,858.52	1/4	3,217.48
1/2	33.01	1/2	381.23	1/2	732.83	1/2	1,080.83	1/2	1,431.75	1/2	1,789.10	1/2	2,148.07	1/2	2,507.03	1/2	2,865.99	1/2	3,224.96
3/4	39.82	3/4	388.68	3/4	740.31	3/4	1,087.98	3/4	1,439.07	3/4	1,796.58	3/4	2,155.55	3/4	2,514.51	3/4	2,873.47	3/4	3,232.44
1	46.62	1	396.14	1	747.78	1	1,095.13	1	1,446.38	1	1,804.06	1	2,163.02	1	2,521.99	1	2,880.95	1	3,239.91
1/4	53.43	1/4	403.60	1/4	755.26	1/4	1,102.28	1/4	1,453.70	1/4	1,811.54	1/4	2,170.50	1/4	2,529.47	1/4	2,888.43	1/4	3,247.39
1/2	60.23	1/2	411.05	1/2	762.74	1/2	1,109.43	1/2	1,461.01	1/2	1,819.02	1/2	2,177.98	1/2	2,536.94	1/2	2,895.91	1/2	3,254.87
3/4	67.42	3/4	418.50	3/4	770.22	3/4	1,116.58	3/4	1,468.33	3/4	1,826.49	3/4	2,185.46	3/4	2,544.42	3/4	2,903.39	3/4	3,262.35
2	74.60	2	425.95	2	777.70	2	1,123.73	2	1,475.65	2	1,833.97	2	2,192.94	2	2,551.90	2	2,910.86	2	3,269.83
1/4	81.78	1/4	433.40	1/4	785.18	1/4	1,130.88	1/4	1,482.96	1/4	1,841.45	1/4	2,200.42	1/4	2,559.38	1/4	2,918.34	1/4	3,277.31
1/2	88.97	1/2	440.85	1/2	792.66	1/2	1,138.02	1/2	1,490.28	1/2	1,848.93	1/2	2,207.90	1/2	2,566.86	1/2	2,925.82	1/2	3,284.78
3/4	95.74	3/4	448.31	3/4	800.14	3/4	1,145.18	3/4	1,497.68	3/4	1,856.41	3/4	2,215.37	3/4	2,574.34	3/4	2,933.30	3/4	3,292.26
3	102.51	3	455.76	3	807.62	3	1,152.33	3	1,505.08	3	1,863.89	3	2,222.85	3	2,581.82	3	2,940.78	3	3,299.74
1/4	109.29	1/4	463.22	1/4	815.09	1/4	1,159.48	1/4	1,512.47	1/4	1,871.37	1/4	2,230.33	1/4	2,589.29	1/4	2,948.26	1/4	3,307.22
1/2	116.06	1/2	470.68	1/2	822.57	1/2	1,166.63	1/2	1,519.87	1/2	1,878.84	1/2	2,237.81	1/2	2,596.77	1/2	2,955.74	1/2	3,314.70
3/4	122.85	3/4	477.93	3/4	829.90	3/4	1,173.79	3/4	1,527.35	3/4	1,886.32	3/4	2,245.29	3/4	2,604.25	3/4	2,963.21	3/4	3,322.18
4	129.64	4	485.18	4	837.23	4	1,180.96	4	1,534.83	4	1,893.80	4	2,252.77	4	2,611.73	4	2,970.69	4	3,329.66
1/4	136.42	1/4	492.43	1/4	844.56	1/4	1,188.12	1/4	1,542.31	1/4	1,901.28	1/4	2,260.24	1/4	2,619.21	1/4	2,978.17	1/4	3,337.13
1/2	143.21	1/2	499.68	1/2	851.89	1/2	1,195.29	1/2	1,549.79	1/2	1,908.76	1/2	2,267.72	1/2	2,626.69	1/2	2,985.65	1/2	3,344.61
3/4	150.43	3/4	506.50	3/4	859.06	3/4	1,202.62	3/4	1,557.26	3/4	1,916.24	3/4	2,275.20	3/4	2,634.16	3/4	2,993.13	3/4	3,352.09
5	157.66	5	513.31	5	866.24	5	1,209.95	5	1,564.74	5	1,923.72	5	2,282.68	5	2,641.64	5	3,000.61	5	3,359.57
1/4	164.89	1/4	520.13	1/4	873.42	1/4	1,217.27	1/4	1,572.22	1/4	1,931.19	1/4	2,290.16	1/4	2,649.12	1/4	3,008.08	1/4	3,367.05
1/2	172.11	1/2	526.95	1/2	880.60	1/2	1,224.60	1/2	1,579.70	1/2	1,938.67	1/2	2,297.64	1/2	2,656.60	1/2	3,015.56	1/2	3,374.53
3/4	179.56	3/4	533.76	3/4	887.76	3/4	1,232.08	3/4	1,587.18	3/4	1,946.15	3/4	2,305.11	3/4	2,664.08	3/4	3,023.04	3/4	3,382.00
6	187.01	6	540.58	6	894.93	6	1,239.56	6	1,594.66	6	1,953.63	6	2,312.59	6	2,671.56	6	3,030.52	6	3,389.48
1/4	194.45	1/4	547.39	1/4	902.09	1/4	1,247.04	1/4	1,602.14	1/4	1,961.11	1/4	2,320.07	1/4	2,679.03	1/4	3,038.00	1/4	3,396.96
1/2	201.90	1/2	554.21	1/2	909.26	1/2	1,254.52	1/2	1,609.62	1/2	1,968.59	1/2	2,327.55	1/2	2,686.51	1/2	3,045.48	1/2	3,404.44
3/4	209.35	3/4	561.47	3/4	916.41	3/4	1,262.00	3/4	1,617.09	3/4	1,976.07	3/4	2,335.03	3/4	2,693.99	3/4	3,052.95	3/4	3,411.92
7	216.81	7	568.73	7	923.56	7	1,269.48	7	1,624.57	7	1,983.54	7	2,342.51	7	2,701.47	7	3,060.43	7	3,419.40
1/4	224.27	1/4	575.99	1/4	930.71	1/4	1,276.96	1/4	1,632.05	1/4	1,991.02	1/4	2,349.98	1/4	2,708.95	1/4	3,067.91	1/4	3,426.87
1/2	231.72	1/2	583.24	1/2	937.86	1/2	1,284.44	1/2	1,639.53	1/2	1,998.50	1/2	2,357.46	1/2	2,716.43	1/2	3,075.39	1/2	3,434.35
3/4	239.19	3/4	590.72	3/4	945.01	3/4	1,291.92	3/4	1,647.01	3/4	2,005.98	3/4	2,364.94	3/4	2,723.90	3/4	3,082.87	3/4	3,441.83
8	246.66	8	598.20	8	952.16	8	1,299.40	8	1,654.49	8	2,013.46	8	2,372.42	8	2,731.38	8	3,090.35	8	3,449.31
1/4	254.14	1/4	605.68	1/4	959.31	1/4	1,306.87	1/4	1,661.97	1/4	2,020.94	1/4	2,379.90	1/4	2,738.86	1/4	3,097.82	1/4	3,456.79
1/2	261.61	1/2	613.16	1/2	966.46	1/2	1,314.35	1/2	1,669.44	1/2	2,028.41	1/2	2,387.38	1/2	2,746.34	1/2	3,105.30	1/2	3,464.27
3/4	269.08	3/4	620.64	3/4	973.60	3/4	1,321.75	3/4	1,676.92	3/4	2,035.89	3/4	2,394.86	3/4	2,753.82	3/4	3,112.78	3/4	3,471.74
9	276.56	9	628.12	9	980.75	9	1,329.15	9	1,684.40	9	2,043.37	9	2,402.33	9	2,761.30	9	3,120.26	9	3,479.22
1/4	284.04	1/4	635.60	1/4	987.90	1/4	1,336.55	1/4	1,691.88	1/4	2,050.85	1/4	2,409.81	1/4	2,768.78	1/4	3,127.74	1/4	3,486.70
1/2	291.52	1/2	643.08	1/2	995.05	1/2	1,343.95	1/2	1,699.36	1/2	2,058.33	1/2	2,417.29	1/2	2,776.25	1/2	3,135.22	1/2	3,494.18
3/4	299.00	3/4	650.56	3/4	1,002.20	3/4	1,351.26	3/4	1,706.84	3/4	2,065.81	3/4	2,424.77	3/4	2,783.73	3/4	3,142.70	3/4	3,501.66
10	306.47	10	658.04	10	1,009.35	10	1,358.58	10	1,714.32	10	2,073.28	10	2,432.25	10	2,791.21	10	3,150.17	10	3,509.14
1/4	313.95	1/4	665.52	1/4	1,016.50	1/4	1,365.90	1/4	1,721.79	1/4	2,080.76	1/4	2,439.73	1/4	2,798.69	1/4	3,157.65	1/4	3,516.62
1/2	321.43	1/2	673.00	1/2	1,023.65	1/2	1,373.22	1/2	1,729.27	1/2	2,088.24	1/2	2,447.20	1/2	2,806.17	1/2	3,165.13	1/2	3,524.09
3/4	328.91	3/4	680.47	3/4	1,030.79	3/4	1,380.53	3/4	1,736.75	3/4	2,095.72	3/4	2,454.68	3/4	2,813.65	3/4	3,172.61	3/4	3,531.57
11	336.39	11	687.95	11	1,037.94	11	1,387.85	11	1,744.23	11	2,103.20	11	2,462.16	11	2,821.12	11	3,180.09	11	3,539.05
1/4	343.87	1/4	695.43	1/4	1,045.09	1/4	1,395.17	1/4	1,751.71	1/4	2,110.68	1/4	2,469.64	1/4	2,828.60	1/4	3,187.57	1/4	3,546.53
1/2	351.34	1/2	702.91	1/2	1,052.24	1/2	1,402.48	1/2	1,759.19	1/2	2,118.15	1/2	2,477.12	1/2	2,836.08	1/2	3,195.04	1/2	3,554.01
3/4	358.81	3/4	710.39	3/4	1,059.39	3/4	1,409.80	3/4	1,766.67	3/4	2,125.63	3/4	2,484.60	3/4	2,843.56	3/4	3,202.52	3/4	3,561.49

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: (MANUAL) 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

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BARGE "KIRBY 27772"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,568.96	0	3,926.40	0	4,266.98	0	4,583.00	0		0		0		0		0		0	
1/4	3,576.44	1/4	3,933.72	1/4	4,273.80	1/4	4,589.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,583.92	1/2	3,941.03	1/2	4,280.62	1/2	4,595.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,591.40	3/4	3,948.31	3/4	4,287.39	3/4	4,602.06	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,598.88	1	3,955.59	1	4,294.15	1	4,608.39	1		1		1		1		1		1	
1/4	3,606.36	1/4	3,962.87	1/4	4,300.91	1/4	4,614.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,613.83	1/2	3,970.15	1/2	4,307.68	1/2	4,621.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,621.31	3/4	3,977.40	3/4	4,314.40	3/4	4,627.63	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,628.79	2	3,984.64	2	4,321.13	2	4,634.21	2		2		2		2		2		2	
1/4	3,636.27	1/4	3,991.89	1/4	4,327.86	1/4	4,640.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,643.75	1/2	3,999.13	1/2	4,334.58	1/2	4,647.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,651.23	3/4	4,006.34	3/4	4,341.27	3/4	4,654.49	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,658.70	3	4,013.55	3	4,347.97	3	4,661.61	3		3		3		3		3		3	
1/4	3,666.18	1/4	4,020.75	1/4	4,354.66	1/4	4,668.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,673.66	1/2	4,027.96	1/2	4,361.35	1/2	4,675.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,681.14	3/4	4,035.13	3/4	4,368.00	3/4	4,683.24	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,688.62	4	4,042.31	4	4,374.66	4	4,690.63	4		4		4		4		4		4	
1/4	3,696.10	1/4	4,049.48	1/4	4,381.31	1/4	4,698.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,703.58	1/2	4,056.65	1/2	4,387.97	1/2	4,705.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,711.05	3/4	4,063.78	3/4	4,394.59	3/4	4,712.64	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,718.53	5	4,070.92	5	4,401.20	5	4,719.86	5		5		5		5		5		5	
1/4	3,726.01	1/4	4,078.06	1/4	4,407.82	1/4	4,727.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,733.49	1/2	4,085.19	1/2	4,414.44	1/2	4,734.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,740.97	3/4	4,092.29	3/4	4,421.03	3/4	4,740.73	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,748.45	6	4,099.39	6	4,427.61	6	4,747.17	6		6		6		6		6		6	
1/4	3,755.92	1/4	4,106.49	1/4	4,434.19	1/4	4,753.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,763.40	1/2	4,113.59	1/2	4,440.77	1/2	4,760.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,770.87	3/4	4,120.66	3/4	4,447.32	3/4	4,765.26	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,778.34	7	4,127.72	7	4,453.87	7	4,770.47	7		7		7		7		7		7	
1/4	3,785.82	1/4	4,134.78	1/4	4,460.41	1/4	4,775.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,793.29	1/2	4,141.85	1/2	4,466.96	1/2	4,780.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,800.74	3/4	4,148.88	3/4	4,473.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,808.20	8	4,155.90	8	4,479.98	8		8		8		8		8		8		8	
1/4	3,815.65	1/4	4,162.93	1/4	4,486.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,823.11	1/2	4,169.96	1/2	4,493.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,830.53	3/4	4,176.95	3/4	4,499.48	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,837.96	9	4,183.94	9	4,505.95	9		9		9		9		9		9		9	
1/4	3,845.38	1/4	4,190.93	1/4	4,512.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,852.81	1/2	4,197.93	1/2	4,518.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,860.19	3/4	4,204.88	3/4	4,525.34	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,867.58	10	4,211.84	10	4,531.78	10		10		10		10		10		10		10	
1/4	3,874.97	1/4	4,218.79	1/4	4,538.22	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,882.36	1/2	4,225.75	1/2	4,544.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,889.71	3/4	4,232.65	3/4	4,551.06	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,897.06	11	4,239.55	11	4,557.46	11		11		11		11		11		11		11	
1/4	3,904.42	1/4	4,246.44	1/4	4,563.86	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,911.77	1/2	4,253.34	1/2	4,570.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,919.08	3/4	4,260.16	3/4	4,576.63	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2011 CL - SW
RECALCULATED: 10/18/2021 PMA
REPRINTED: 10/18/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2021

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



BARGE "KIRBY 27772"

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	23.04	0	366.19	0	717.68	0	1,075.91	0	1,432.42	0	1,789.36	0	2,148.24	0	2,507.11	0	2,865.98	0	3,224.85
1/4	28.02	1/4	373.66	1/4	725.16	1/4	1,083.35	1/4	1,439.74	1/4	1,796.83	1/4	2,155.72	1/4	2,514.59	1/4	2,873.46	1/4	3,232.33
1/2	33.01	1/2	381.13	1/2	732.64	1/2	1,090.80	1/2	1,447.05	1/2	1,804.31	1/2	2,163.19	1/2	2,522.06	1/2	2,880.94	1/2	3,239.81
3/4	39.81	3/4	388.58	3/4	740.12	3/4	1,098.25	3/4	1,454.36	3/4	1,811.79	3/4	2,170.67	3/4	2,529.54	3/4	2,888.41	3/4	3,247.28
1	46.61	1	396.04	1	747.59	1	1,105.70	1	1,461.68	1	1,819.26	1	2,178.14	1	2,537.02	1	2,895.89	1	3,254.76
1/4	53.42	1/4	403.49	1/4	755.07	1/4	1,113.15	1/4	1,468.99	1/4	1,826.74	1/4	2,185.62	1/4	2,544.49	1/4	2,903.37	1/4	3,262.24
1/2	60.22	1/2	410.95	1/2	762.55	1/2	1,120.60	1/2	1,476.31	1/2	1,834.22	1/2	2,193.10	1/2	2,551.97	1/2	2,910.84	1/2	3,269.71
3/4	67.40	3/4	418.40	3/4	770.02	3/4	1,128.04	3/4	1,483.62	3/4	1,841.69	3/4	2,200.57	3/4	2,559.45	3/4	2,918.32	3/4	3,277.19
2	74.58	2	425.84	2	777.50	2	1,135.49	2	1,490.94	2	1,849.17	2	2,208.05	2	2,566.92	2	2,925.79	2	3,284.67
1/4	81.76	1/4	433.29	1/4	784.98	1/4	1,142.94	1/4	1,498.25	1/4	1,856.65	1/4	2,215.53	1/4	2,574.40	1/4	2,933.27	1/4	3,292.14
1/2	88.94	1/2	440.74	1/2	792.46	1/2	1,150.39	1/2	1,505.57	1/2	1,864.12	1/2	2,223.00	1/2	2,581.88	1/2	2,940.75	1/2	3,299.62
3/4	95.72	3/4	448.19	3/4	799.93	3/4	1,157.84	3/4	1,512.96	3/4	1,871.60	3/4	2,230.48	3/4	2,589.35	3/4	2,948.22	3/4	3,307.10
3	102.49	3	455.65	3	807.41	3	1,165.29	3	1,520.36	3	1,879.08	3	2,237.96	3	2,596.83	3	2,955.70	3	3,314.57
1/4	109.26	1/4	463.10	1/4	814.89	1/4	1,172.74	1/4	1,527.75	1/4	1,886.55	1/4	2,245.43	1/4	2,604.31	1/4	2,963.18	1/4	3,322.05
1/2	116.03	1/2	470.56	1/2	822.36	1/2	1,180.19	1/2	1,535.15	1/2	1,894.03	1/2	2,252.91	1/2	2,611.78	1/2	2,970.65	1/2	3,329.53
3/4	122.82	3/4	477.81	3/4	829.84	3/4	1,187.65	3/4	1,542.63	3/4	1,901.51	3/4	2,260.39	3/4	2,619.26	3/4	2,978.13	3/4	3,337.00
4	129.60	4	485.05	4	837.32	4	1,195.12	4	1,550.10	4	1,908.98	4	2,267.86	4	2,626.73	4	2,985.61	4	3,344.48
1/4	136.39	1/4	492.30	1/4	844.79	1/4	1,202.58	1/4	1,557.58	1/4	1,916.46	1/4	2,275.34	1/4	2,634.21	1/4	2,993.08	1/4	3,351.96
1/2	143.17	1/2	499.55	1/2	852.27	1/2	1,210.05	1/2	1,565.06	1/2	1,923.94	1/2	2,282.82	1/2	2,641.69	1/2	3,000.56	1/2	3,359.43
3/4	150.39	3/4	506.37	3/4	859.75	3/4	1,217.52	3/4	1,572.53	3/4	1,931.41	3/4	2,290.29	3/4	2,649.16	3/4	3,008.04	3/4	3,366.91
5	157.62	5	513.18	5	867.23	5	1,225.00	5	1,580.01	5	1,938.89	5	2,297.77	5	2,656.64	5	3,015.51	5	3,374.38
1/4	164.84	1/4	520.00	1/4	874.70	1/4	1,232.48	1/4	1,587.49	1/4	1,946.37	1/4	2,305.25	1/4	2,664.12	1/4	3,022.99	1/4	3,381.86
1/2	172.07	1/2	526.81	1/2	882.18	1/2	1,239.96	1/2	1,594.96	1/2	1,953.85	1/2	2,312.72	1/2	2,671.59	1/2	3,030.47	1/2	3,389.34
3/4	179.51	3/4	533.62	3/4	889.64	3/4	1,247.43	3/4	1,602.44	3/4	1,961.32	3/4	2,320.20	3/4	2,679.07	3/4	3,037.94	3/4	3,396.81
6	186.96	6	540.44	6	897.11	6	1,254.91	6	1,609.92	6	1,968.80	6	2,327.67	6	2,686.55	6	3,045.42	6	3,404.29
1/4	194.40	1/4	547.25	1/4	904.57	1/4	1,262.39	1/4	1,617.39	1/4	1,976.28	1/4	2,335.15	1/4	2,694.02	1/4	3,052.90	1/4	3,411.77
1/2	201.84	1/2	554.07	1/2	912.04	1/2	1,269.87	1/2	1,624.87	1/2	1,983.75	1/2	2,342.63	1/2	2,701.50	1/2	3,060.37	1/2	3,419.24
3/4	209.30	3/4	561.32	3/4	919.49	3/4	1,277.34	3/4	1,632.35	3/4	1,991.23	3/4	2,350.10	3/4	2,708.98	3/4	3,067.85	3/4	3,426.72
7	216.75	7	568.58	7	926.94	7	1,284.82	7	1,639.82	7	1,998.71	7	2,357.58	7	2,716.45	7	3,075.32	7	3,434.20
1/4	224.21	1/4	575.84	1/4	934.39	1/4	1,292.30	1/4	1,647.30	1/4	2,006.18	1/4	2,365.06	1/4	2,723.93	1/4	3,082.80	1/4	3,441.67
1/2	231.66	1/2	583.09	1/2	941.84	1/2	1,299.78	1/2	1,654.78	1/2	2,013.66	1/2	2,372.53	1/2	2,731.41	1/2	3,090.28	1/2	3,449.15
3/4	239.13	3/4	590.57	3/4	949.29	3/4	1,307.25	3/4	1,662.25	3/4	2,021.14	3/4	2,380.01	3/4	2,738.88	3/4	3,097.75	3/4	3,456.63
8	246.60	8	598.05	8	956.73	8	1,314.73	8	1,669.73	8	2,028.61	8	2,387.49	8	2,746.36	8	3,105.23	8	3,464.10
1/4	254.07	1/4	605.52	1/4	964.18	1/4	1,322.21	1/4	1,677.21	1/4	2,036.09	1/4	2,394.96	1/4	2,753.84	1/4	3,112.71	1/4	3,471.58
1/2	261.54	1/2	613.00	1/2	971.63	1/2	1,329.69	1/2	1,684.68	1/2	2,043.57	1/2	2,402.44	1/2	2,761.31	1/2	3,120.18	1/2	3,479.06
3/4	269.01	3/4	620.48	3/4	979.08	3/4	1,337.08	3/4	1,692.16	3/4	2,051.04	3/4	2,409.92	3/4	2,768.79	3/4	3,127.66	3/4	3,486.53
9	276.49	9	627.96	9	986.53	9	1,344.48	9	1,699.64	9	2,058.52	9	2,417.39	9	2,776.26	9	3,135.14	9	3,494.01
1/4	283.97	1/4	635.43	1/4	993.98	1/4	1,351.87	1/4	1,707.11	1/4	2,066.00	1/4	2,424.87	1/4	2,783.74	1/4	3,142.61	1/4	3,501.49
1/2	291.44	1/2	642.91	1/2	1,001.42	1/2	1,359.27	1/2	1,714.59	1/2	2,073.47	1/2	2,432.35	1/2	2,791.22	1/2	3,150.09	1/2	3,508.96
3/4	298.92	3/4	650.39	3/4	1,008.87	3/4	1,366.59	3/4	1,722.07	3/4	2,080.95	3/4	2,439.82	3/4	2,798.69	3/4	3,157.57	3/4	3,516.44
10	306.40	10	657.87	10	1,016.32	10	1,373.90	10	1,729.54	10	2,088.43	10	2,447.30	10	2,806.17	10	3,165.04	10	3,523.91
1/4	313.87	1/4	665.34	1/4	1,023.77	1/4	1,381.22	1/4	1,737.02	1/4	2,095.90	1/4	2,454.78	1/4	2,813.65	1/4	3,172.52	1/4	3,531.39
1/2	321.35	1/2	672.82	1/2	1,031.22	1/2	1,388.53	1/2	1,744.50	1/2	2,103.38	1/2	2,462.25	1/2	2,821.12	1/2	3,180.00	1/2	3,538.87
3/4	328.82	3/4	680.30	3/4	1,038.66	3/4	1,395.85	3/4	1,751.97	3/4	2,110.86	3/4	2,469.73	3/4	2,828.60	3/4	3,187.47	3/4	3,546.34
11	336.30	11	687.78	11	1,046.11	11	1,403.16	11	1,759.45	11	2,118.33	11	2,477.20	11	2,836.08	11	3,194.95	11	3,553.82
1/4	343.78	1/4	695.25	1/4	1,053.56	1/4	1,410.48	1/4	1,766.93	1/4	2,125.81	1/4	2,484.68	1/4	2,843.55	1/4	3,202.43	1/4	3,561.30
1/2	351.25	1/2	702.73	1/2	1,061.01	1/2	1,417.79	1/2	1,774.40	1/2	2,133.29	1/2	2,492.16	1/2	2,851.03	1/2	3,209.90	1/2	3,568.77
3/4	358.72	3/4	710.21	3/4	1,068.46	3/4	1,425.11	3/4	1,781.88	3/4	2,140.76	3/4	2,499.63	3/4	2,858.51	3/4	3,217.38	3/4	3,576.25

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: (MANUAL) 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
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BARGE "KIRBY 27772"

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	3,583.73	0	3,941.09	0	4,281.58	0	4,597.48	0		0		0		0		0		0	
1/4	3,591.20	1/4	3,948.40	1/4	4,288.39	1/4	4,603.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,598.68	1/2	3,955.72	1/2	4,295.21	1/2	4,610.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,606.16	3/4	3,963.00	3/4	4,301.97	3/4	4,616.54	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,613.63	1	3,970.27	1	4,308.73	1	4,622.87	1		1		1		1		1		1	
1/4	3,621.11	1/4	3,977.55	1/4	4,315.49	1/4	4,629.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,628.59	1/2	3,984.83	1/2	4,322.26	1/2	4,635.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,636.06	3/4	3,992.07	3/4	4,328.98	3/4	4,642.10	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,643.54	2	3,999.32	2	4,335.71	2	4,648.68	2		2		2		2		2		2	
1/4	3,651.02	1/4	4,006.56	1/4	4,342.43	1/4	4,655.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,658.49	1/2	4,013.80	1/2	4,349.15	1/2	4,661.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,665.97	3/4	4,021.01	3/4	4,355.84	3/4	4,668.95	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,673.44	3	4,028.21	3	4,362.53	3	4,676.06	3		3		3		3		3		3	
1/4	3,680.92	1/4	4,035.42	1/4	4,369.22	1/4	4,683.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,688.40	1/2	4,042.62	1/2	4,375.91	1/2	4,690.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.87	3/4	4,049.79	3/4	4,382.56	3/4	4,697.69	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,703.35	4	4,056.96	4	4,389.22	4	4,705.08	4		4		4		4		4		4	
1/4	3,710.83	1/4	4,064.13	1/4	4,395.87	1/4	4,712.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,718.30	1/2	4,071.30	1/2	4,402.52	1/2	4,719.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,725.78	3/4	4,078.44	3/4	4,409.14	3/4	4,727.08	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,733.26	5	4,085.57	5	4,415.75	5	4,734.30	5		5		5		5		5		5	
1/4	3,740.73	1/4	4,092.71	1/4	4,422.37	1/4	4,741.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,748.21	1/2	4,099.84	1/2	4,428.99	1/2	4,748.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,755.69	3/4	4,106.94	3/4	4,435.57	3/4	4,755.17	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,763.16	6	4,114.04	6	4,442.15	6	4,761.61	6		6		6		6		6		6	
1/4	3,770.64	1/4	4,121.13	1/4	4,448.73	1/4	4,768.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,778.12	1/2	4,128.23	1/2	4,455.31	1/2	4,774.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,785.59	3/4	4,135.29	3/4	4,461.85	3/4	4,779.70	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,793.06	7	4,142.35	7	4,468.40	7	4,784.91	7		7		7		7		7		7	
1/4	3,800.54	1/4	4,149.42	1/4	4,474.94	1/4	4,790.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,808.01	1/2	4,156.48	1/2	4,481.49	1/2	4,795.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,815.46	3/4	4,163.50	3/4	4,488.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,822.92	8	4,170.53	8	4,494.50	8		8		8		8		8		8		8	
1/4	3,830.37	1/4	4,177.56	1/4	4,501.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,837.83	1/2	4,184.58	1/2	4,507.52	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,845.25	3/4	4,191.57	3/4	4,513.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,852.67	9	4,198.56	9	4,520.47	9		9		9		9		9		9		9	
1/4	3,860.09	1/4	4,205.55	1/4	4,526.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,867.52	1/2	4,212.54	1/2	4,533.41	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,874.90	3/4	4,219.49	3/4	4,539.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,882.29	10	4,226.45	10	4,546.28	10		10		10		10		10		10		10	
1/4	3,889.67	1/4	4,233.40	1/4	4,552.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,897.06	1/2	4,240.35	1/2	4,559.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,904.41	3/4	4,247.25	3/4	4,565.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,911.76	11	4,254.15	11	4,571.96	11		11		11		11		11		11		11	
1/4	3,919.11	1/4	4,261.04	1/4	4,578.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,926.46	1/2	4,267.94	1/2	4,584.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,933.78	3/4	4,274.76	3/4	4,591.12	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2011 CL - SW
 RECALCULATED: 10/18/2021 PMA
 REPRINTED: 10/18/2021 PMA

CANCELS AND SUPERCEDES
 ALL PRIOR TO 10/2021

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



BARGE "KIRBY 27772"

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	46.29	0	319.02	0	665.35	0	1,010.93	0	1,360.80	0	1,715.60	0	2,071.93	0	2,428.26	0	2,784.58	0	3,140.95
1/4	46.80	1/4	326.42	1/4	672.57	1/4	1,018.12	1/4	1,368.06	1/4	1,723.03	1/4	2,079.36	1/4	2,435.68	1/4	2,792.00	1/4	3,148.39
1/2	47.31	1/2	333.81	1/2	679.79	1/2	1,025.30	1/2	1,375.33	1/2	1,730.45	1/2	2,086.78	1/2	2,443.10	1/2	2,799.43	1/2	3,155.84
3/4	48.66	3/4	341.21	3/4	687.01	3/4	1,032.49	3/4	1,382.56	3/4	1,737.87	3/4	2,094.20	3/4	2,450.53	3/4	2,806.85	3/4	3,163.28
1	50.01	1	348.61	1	694.23	1	1,039.68	1	1,389.80	1	1,745.30	1	2,101.63	1	2,457.95	1	2,814.27	1	3,170.73
1/4	51.36	1/4	356.01	1/4	701.44	1/4	1,046.86	1/4	1,397.04	1/4	1,752.72	1/4	2,109.05	1/4	2,465.37	1/4	2,821.70	1/4	3,178.18
1/2	52.71	1/2	363.41	1/2	708.66	1/2	1,054.05	1/2	1,404.28	1/2	1,760.15	1/2	2,116.47	1/2	2,472.80	1/2	2,829.12	1/2	3,185.62
3/4	54.89	3/4	370.82	3/4	715.88	3/4	1,061.24	3/4	1,411.68	3/4	1,767.57	3/4	2,123.90	3/4	2,480.22	3/4	2,836.54	3/4	3,193.07
2	57.06	2	378.23	2	723.10	2	1,068.43	2	1,419.08	2	1,774.99	2	2,131.32	2	2,487.64	2	2,843.97	2	3,200.51
1/4	59.24	1/4	385.65	1/4	730.31	1/4	1,075.62	1/4	1,426.48	1/4	1,782.42	1/4	2,138.74	1/4	2,495.07	1/4	2,851.39	1/4	3,207.96
1/2	61.41	1/2	393.06	1/2	737.53	1/2	1,082.81	1/2	1,433.88	1/2	1,789.84	1/2	2,146.17	1/2	2,502.49	1/2	2,858.81	1/2	3,215.40
3/4	65.27	3/4	400.05	3/4	744.75	3/4	1,090.01	3/4	1,441.28	3/4	1,797.26	3/4	2,153.59	3/4	2,509.91	3/4	2,866.24	3/4	3,222.85
3	69.13	3	407.04	3	751.97	3	1,097.21	3	1,448.68	3	1,804.69	3	2,161.01	3	2,517.34	3	2,873.66	3	3,230.29
1/4	72.98	1/4	414.03	1/4	759.19	1/4	1,104.41	1/4	1,456.08	1/4	1,812.11	1/4	2,168.44	1/4	2,524.76	1/4	2,881.08	1/4	3,237.74
1/2	76.84	1/2	421.02	1/2	766.40	1/2	1,111.61	1/2	1,463.48	1/2	1,819.54	1/2	2,175.86	1/2	2,532.18	1/2	2,888.51	1/2	3,245.19
3/4	82.37	3/4	427.56	3/4	773.62	3/4	1,119.01	3/4	1,470.88	3/4	1,826.96	3/4	2,183.28	3/4	2,539.61	3/4	2,895.93	3/4	3,252.63
4	87.91	4	434.11	4	780.84	4	1,126.42	4	1,478.28	4	1,834.38	4	2,190.71	4	2,547.03	4	2,903.35	4	3,260.08
1/4	93.44	1/4	440.66	1/4	788.06	1/4	1,133.83	1/4	1,485.68	1/4	1,841.81	1/4	2,198.13	1/4	2,554.45	1/4	2,910.78	1/4	3,267.52
1/2	98.97	1/2	447.21	1/2	795.28	1/2	1,141.24	1/2	1,493.08	1/2	1,849.23	1/2	2,205.55	1/2	2,561.88	1/2	2,918.20	1/2	3,274.97
3/4	105.75	3/4	454.20	3/4	802.47	3/4	1,148.65	3/4	1,500.48	3/4	1,856.65	3/4	2,212.98	3/4	2,569.30	3/4	2,925.62	3/4	3,282.41
5	112.53	5	461.19	5	809.66	5	1,156.06	5	1,507.88	5	1,864.08	5	2,220.40	5	2,576.72	5	2,933.05	5	3,289.86
1/4	119.30	1/4	468.17	1/4	816.86	1/4	1,163.46	1/4	1,515.28	1/4	1,871.50	1/4	2,227.82	1/4	2,584.15	1/4	2,940.47	1/4	3,297.30
1/2	126.08	1/2	475.16	1/2	824.05	1/2	1,170.87	1/2	1,522.68	1/2	1,878.92	1/2	2,235.25	1/2	2,591.57	1/2	2,947.89	1/2	3,304.75
3/4	133.49	3/4	482.59	3/4	831.24	3/4	1,178.28	3/4	1,530.08	3/4	1,886.35	3/4	2,242.67	3/4	2,598.99	3/4	2,955.32	3/4	3,308.75
6	140.91	6	490.02	6	838.43	6	1,185.69	6	1,537.48	6	1,893.77	6	2,250.09	6	2,606.42	6	2,962.74	6	3,312.74
1/4	148.32	1/4	497.45	1/4	845.62	1/4	1,193.10	1/4	1,544.88	1/4	1,901.19	1/4	2,257.52	1/4	2,613.84	1/4	2,970.16	1/4	3,316.73
1/2	155.73	1/2	504.88	1/2	852.81	1/2	1,200.51	1/2	1,552.28	1/2	1,908.62	1/2	2,264.94	1/2	2,621.26	1/2	2,977.59	1/2	3,320.73
3/4	163.16	3/4	512.31	3/4	859.99	3/4	1,207.91	3/4	1,559.71	3/4	1,916.04	3/4	2,272.36	3/4	2,628.69	3/4	2,985.01	3/4	3,324.72
7	170.59	7	519.73	7	867.18	7	1,215.32	7	1,567.13	7	1,923.47	7	2,279.79	7	2,636.11	7	2,992.43	7	3,328.72
1/4	178.01	1/4	527.16	1/4	874.37	1/4	1,222.73	1/4	1,574.55	1/4	1,930.89	1/4	2,287.21	1/4	2,643.53	1/4	2,999.86	1/4	3,332.71
1/2	185.44	1/2	534.59	1/2	881.56	1/2	1,230.14	1/2	1,581.98	1/2	1,938.31	1/2	2,294.64	1/2	2,650.96	1/2	3,007.28	1/2	3,336.71
3/4	192.87	3/4	542.02	3/4	888.75	3/4	1,237.38	3/4	1,589.40	3/4	1,945.74	3/4	2,302.06	3/4	2,658.38	3/4	3,014.70	3/4	3,340.70
8	200.30	8	549.45	8	895.94	8	1,244.63	8	1,596.82	8	1,953.16	8	2,309.48	8	2,665.81	8	3,022.13	8	3,344.70
1/4	207.72	1/4	556.88	1/4	903.13	1/4	1,251.88	1/4	1,604.25	1/4	1,960.58	1/4	2,316.91	1/4	2,673.23	1/4	3,029.55	1/4	3,348.69
1/2	215.15	1/2	564.31	1/2	910.32	1/2	1,259.12	1/2	1,611.67	1/2	1,968.01	1/2	2,324.33	1/2	2,680.65	1/2	3,036.98	1/2	3,352.69
3/4	222.58	3/4	571.52	3/4	917.50	3/4	1,266.39	3/4	1,619.10	3/4	1,975.43	3/4	2,331.75	3/4	2,688.08	3/4	3,044.40	3/4	3,356.68
9	230.01	9	578.74	9	924.69	9	1,273.65	9	1,626.52	9	1,982.85	9	2,339.18	9	2,695.50	9	3,051.82	9	3,360.68
1/4	237.43	1/4	585.96	1/4	931.88	1/4	1,280.91	1/4	1,633.94	1/4	1,990.28	1/4	2,346.60	1/4	2,702.92	1/4	3,059.25	1/4	3,364.67
1/2	244.86	1/2	593.18	1/2	939.06	1/2	1,288.18	1/2	1,641.37	1/2	1,997.70	1/2	2,354.02	1/2	2,710.35	1/2	3,066.67	1/2	3,368.67
3/4	252.29	3/4	600.39	3/4	946.25	3/4	1,295.44	3/4	1,648.79	3/4	2,005.12	3/4	2,361.45	3/4	2,717.77	3/4	3,074.09	3/4	3,372.66
10	259.71	10	607.61	10	953.44	10	1,302.70	10	1,656.21	10	2,012.55	10	2,368.87	10	2,725.19	10	3,081.52	10	3,376.66
1/4	267.14	1/4	614.83	1/4	960.62	1/4	1,309.96	1/4	1,663.64	1/4	2,019.97	1/4	2,376.29	1/4	2,732.62	1/4	3,088.94	1/4	3,380.65
1/2	274.57	1/2	622.05	1/2	967.81	1/2	1,317.23	1/2	1,671.06	1/2	2,027.39	1/2	2,383.72	1/2	2,740.04	1/2	3,096.36	1/2	3,384.65
3/4	281.98	3/4	629.27	3/4	975.00	3/4	1,324.49	3/4	1,678.48	3/4	2,034.82	3/4	2,391.14	3/4	2,747.46	3/4	3,103.79	3/4	3,388.64
11	289.40	11	636.48	11	982.18	11	1,331.75	11	1,685.91	11	2,042.24	11	2,398.56	11	2,754.89	11	3,111.21	11	3,392.64
1/4	296.81	1/4	643.70	1/4	989.37	1/4	1,339.01	1/4	1,693.33	1/4	2,049.66	1/4	2,405.99	1/4	2,762.31	1/4	3,118.63	1/4	3,396.63
1/2	304.22	1/2	650.92	1/2	996.56	1/2	1,346.28	1/2	1,700.76	1/2	2,057.09	1/2	2,413.41	1/2	2,769.73	1/2	3,126.06	1/2	3,400.63
3/4	311.62	3/4	658.14	3/4	1,003.74	3/4	1,353.54	3/4	1,708.18	3/4	2,064.51	3/4	2,420.83	3/4	2,777.16	3/4	3,133.50	3/4	3,404.62

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: (MANUAL) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 27772"

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	3,408.62	0	3,598.96	0	3,778.95	0	3,944.47	0		0		0		0		0		0	
1/4	3,412.61	1/4	3,602.84	1/4	3,782.51	1/4	3,947.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,416.61	1/2	3,606.72	1/2	3,786.08	1/2	3,951.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,420.60	3/4	3,610.58	3/4	3,789.62	3/4	3,954.75	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,424.60	1	3,614.44	1	3,793.17	1	3,958.36	1		1		1		1		1		1	
1/4	3,428.59	1/4	3,618.30	1/4	3,796.71	1/4	3,961.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,432.59	1/2	3,622.16	1/2	3,800.25	1/2	3,965.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,436.58	3/4	3,626.00	3/4	3,803.78	3/4	3,969.51	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,440.58	2	3,629.84	2	3,807.31	2	3,973.42	2		2		2		2		2		2	
1/4	3,444.57	1/4	3,633.68	1/4	3,810.83	1/4	3,977.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,448.57	1/2	3,637.52	1/2	3,814.36	1/2	3,981.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,452.56	3/4	3,641.35	3/4	3,817.86	3/4	3,985.15	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,456.56	3	3,645.17	3	3,821.37	3	3,989.06	3		3		3		3		3		3	
1/4	3,460.55	1/4	3,648.99	1/4	3,824.87	1/4	3,992.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,464.55	1/2	3,652.81	1/2	3,828.38	1/2	3,996.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,468.54	3/4	3,656.61	3/4	3,831.87	3/4	4,000.44	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,472.54	4	3,660.42	4	3,835.35	4	4,004.00	4		4		4		4		4		4	
1/4	3,476.53	1/4	3,664.22	1/4	3,838.84	1/4	4,007.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,480.53	1/2	3,668.02	1/2	3,842.33	1/2	4,011.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,484.52	3/4	3,671.80	3/4	3,845.79	3/4	4,014.48	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,488.52	5	3,675.59	5	3,849.26	5	4,015.84	5		5		5		5		5		5	
1/4	3,492.51	1/4	3,679.37	1/4	3,852.73	1/4	4,018.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,496.51	1/2	3,683.15	1/2	3,856.20	1/2	4,020.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,500.49	3/4	3,686.92	3/4	3,859.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,504.48	6	3,690.68	6	3,863.09	6		6		6		6		6		6		6	
1/4	3,508.47	1/4	3,694.44	1/4	3,866.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,512.46	1/2	3,698.21	1/2	3,869.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,516.44	3/4	3,701.95	3/4	3,873.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,520.41	7	3,705.70	7	3,876.85	7		7		7		7		7		7		7	
1/4	3,524.39	1/4	3,709.44	1/4	3,880.28	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,528.37	1/2	3,713.19	1/2	3,883.71	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,532.32	3/4	3,716.91	3/4	3,887.12	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,536.28	8	3,720.64	8	3,890.53	8		8		8		8		8		8		8	
1/4	3,540.23	1/4	3,724.36	1/4	3,893.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,544.19	1/2	3,728.09	1/2	3,897.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,548.13	3/4	3,731.79	3/4	3,900.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,552.06	9	3,735.50	9	3,904.13	9		9		9		9		9		9		9	
1/4	3,556.00	1/4	3,739.20	1/4	3,907.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,559.94	1/2	3,742.91	1/2	3,910.91	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,563.86	3/4	3,746.56	3/4	3,914.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,567.77	10	3,750.20	10	3,917.65	10		10		10		10		10		10		10	
1/4	3,571.69	1/4	3,753.84	1/4	3,921.02	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,575.61	1/2	3,757.49	1/2	3,924.39	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,579.51	3/4	3,761.07	3/4	3,927.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,583.41	11	3,764.66	11	3,931.10	11		11		11		11		11		11		11	
1/4	3,587.31	1/4	3,768.24	1/4	3,934.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,591.20	1/2	3,771.82	1/2	3,937.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,595.08	3/4	3,775.39	3/4	3,941.13	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2011 CL - SW
 RECALCULATED: 10/18/2021 PMA
 REPRINTED: 10/18/2021 PMA

CANCELS AND SUPERCEDES
 ALL PRIOR TO 10/2021

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



BARGE "KIRBY 27772"

3 STBD 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	46.34	0	320.03	0	670.27	0	1,026.93	0	1,381.26	0	1,737.78	0	2,095.27	0	2,452.75	0	2,810.24	0	3,167.72
1/4	46.87	1/4	327.45	1/4	677.72	1/4	1,034.35	1/4	1,388.54	1/4	1,745.23	1/4	2,102.72	1/4	2,460.20	1/4	2,817.69	1/4	3,175.17
1/2	47.40	1/2	334.87	1/2	685.17	1/2	1,041.77	1/2	1,395.83	1/2	1,752.68	1/2	2,110.16	1/2	2,467.65	1/2	2,825.13	1/2	3,182.62
3/4	48.77	3/4	342.29	3/4	692.62	3/4	1,049.19	3/4	1,403.12	3/4	1,760.12	3/4	2,117.61	3/4	2,475.10	3/4	2,832.58	3/4	3,190.07
1	50.14	1	349.70	1	700.06	1	1,056.61	1	1,410.40	1	1,767.57	1	2,125.06	1	2,482.54	1	2,840.03	1	3,197.51
1/4	51.51	1/4	357.12	1/4	707.51	1/4	1,064.03	1/4	1,417.69	1/4	1,775.02	1/4	2,132.51	1/4	2,489.99	1/4	2,847.48	1/4	3,204.96
1/2	52.88	1/2	364.54	1/2	714.96	1/2	1,071.45	1/2	1,424.97	1/2	1,782.47	1/2	2,139.96	1/2	2,497.44	1/2	2,854.92	1/2	3,212.41
3/4	55.08	3/4	371.97	3/4	722.41	3/4	1,078.87	3/4	1,432.42	3/4	1,789.92	3/4	2,147.40	3/4	2,504.89	3/4	2,862.37	3/4	3,219.86
2	57.27	2	379.41	2	729.86	2	1,086.29	2	1,439.87	2	1,797.36	2	2,154.85	2	2,512.34	2	2,869.82	2	3,227.30
1/4	59.47	1/4	386.84	1/4	737.31	1/4	1,093.72	1/4	1,447.32	1/4	1,804.81	1/4	2,162.30	1/4	2,519.78	1/4	2,877.27	1/4	3,234.75
1/2	61.67	1/2	394.27	1/2	744.75	1/2	1,101.14	1/2	1,454.76	1/2	1,812.26	1/2	2,169.75	1/2	2,527.23	1/2	2,884.72	1/2	3,242.20
3/4	65.54	3/4	401.28	3/4	752.20	3/4	1,108.59	3/4	1,462.21	3/4	1,819.71	3/4	2,177.19	3/4	2,534.68	3/4	2,892.16	3/4	3,249.65
3	69.42	3	408.29	3	759.65	3	1,116.04	3	1,469.66	3	1,827.15	3	2,184.64	3	2,542.13	3	2,899.61	3	3,257.10
1/4	73.30	1/4	415.30	1/4	767.10	1/4	1,123.49	1/4	1,477.11	1/4	1,834.60	1/4	2,192.09	1/4	2,549.57	1/4	2,907.06	1/4	3,264.54
1/2	77.17	1/2	422.31	1/2	774.55	1/2	1,130.93	1/2	1,484.56	1/2	1,842.05	1/2	2,199.54	1/2	2,557.02	1/2	2,914.51	1/2	3,271.99
3/4	82.73	3/4	428.88	3/4	781.99	3/4	1,138.38	3/4	1,492.00	3/4	1,849.50	3/4	2,206.98	3/4	2,564.47	3/4	2,921.95	3/4	3,279.44
4	88.28	4	435.44	4	789.44	4	1,145.83	4	1,499.45	4	1,856.95	4	2,214.43	4	2,571.92	4	2,929.40	4	3,286.89
1/4	93.83	1/4	442.01	1/4	796.89	1/4	1,153.28	1/4	1,506.90	1/4	1,864.39	1/4	2,221.88	1/4	2,579.36	1/4	2,936.85	1/4	3,294.33
1/2	99.38	1/2	448.58	1/2	804.34	1/2	1,160.73	1/2	1,514.35	1/2	1,871.84	1/2	2,229.33	1/2	2,586.81	1/2	2,944.30	1/2	3,301.78
3/4	106.18	3/4	455.59	3/4	811.76	3/4	1,168.18	3/4	1,521.79	3/4	1,879.29	3/4	2,236.77	3/4	2,594.26	3/4	2,951.74	3/4	3,309.23
5	112.98	5	462.60	5	819.18	5	1,175.62	5	1,529.24	5	1,886.74	5	2,244.22	5	2,601.71	5	2,959.19	5	3,316.68
1/4	119.78	1/4	469.61	1/4	826.61	1/4	1,183.07	1/4	1,536.69	1/4	1,894.18	1/4	2,251.67	1/4	2,609.15	1/4	2,966.64	1/4	3,324.12
1/2	126.57	1/2	476.62	1/2	834.03	1/2	1,190.52	1/2	1,544.14	1/2	1,901.63	1/2	2,259.12	1/2	2,616.60	1/2	2,974.09	1/2	3,331.57
3/4	134.01	3/4	484.06	3/4	841.45	3/4	1,197.97	3/4	1,551.59	3/4	1,909.08	3/4	2,266.56	3/4	2,624.05	3/4	2,981.53	3/4	3,339.02
6	141.44	6	491.51	6	848.87	6	1,205.42	6	1,559.03	6	1,916.53	6	2,274.01	6	2,631.50	6	2,988.98	6	3,346.47
1/4	148.87	1/4	498.96	1/4	856.29	1/4	1,212.87	1/4	1,566.48	1/4	1,923.97	1/4	2,281.46	1/4	2,638.94	1/4	2,996.43	1/4	3,353.92
1/2	156.30	1/2	506.41	1/2	863.71	1/2	1,220.31	1/2	1,573.93	1/2	1,931.42	1/2	2,288.91	1/2	2,646.39	1/2	3,003.88	1/2	3,361.37
3/4	163.75	3/4	513.86	3/4	871.13	3/4	1,227.76	3/4	1,581.38	3/4	1,938.87	3/4	2,296.35	3/4	2,653.84	3/4	3,011.32	3/4	3,368.82
7	171.20	7	521.31	7	878.55	7	1,235.21	7	1,588.82	7	1,946.32	7	2,303.80	7	2,661.29	7	3,018.77	7	3,376.27
1/4	178.65	1/4	528.76	1/4	885.97	1/4	1,242.66	1/4	1,596.27	1/4	1,953.77	1/4	2,311.25	1/4	2,668.73	1/4	3,026.22	1/4	3,383.72
1/2	186.09	1/2	536.20	1/2	893.38	1/2	1,250.11	1/2	1,603.72	1/2	1,961.21	1/2	2,318.70	1/2	2,676.18	1/2	3,033.67	1/2	3,391.17
3/4	193.54	3/4	543.65	3/4	900.80	3/4	1,257.39	3/4	1,611.17	3/4	1,968.66	3/4	2,326.15	3/4	2,683.63	3/4	3,041.11	3/4	3,398.62
8	200.99	8	551.10	8	908.22	8	1,264.68	8	1,618.62	8	1,976.11	8	2,333.59	8	2,691.08	8	3,048.56	8	3,406.07
1/4	208.44	1/4	558.55	1/4	915.64	1/4	1,271.97	1/4	1,626.06	1/4	1,983.56	1/4	2,341.04	1/4	2,698.53	1/4	3,056.01	1/4	3,413.52
1/2	215.88	1/2	566.00	1/2	923.06	1/2	1,279.25	1/2	1,633.51	1/2	1,991.00	1/2	2,348.49	1/2	2,705.97	1/2	3,063.46	1/2	3,420.97
3/4	223.33	3/4	573.45	3/4	930.48	3/4	1,286.54	3/4	1,640.96	3/4	1,998.45	3/4	2,355.94	3/4	2,713.42	3/4	3,070.91	3/4	3,428.42
9	230.78	9	580.90	9	937.90	9	1,293.83	9	1,648.41	9	2,005.90	9	2,363.38	9	2,720.87	9	3,078.35	9	3,435.87
1/4	238.23	1/4	588.34	1/4	945.32	1/4	1,301.11	1/4	1,655.85	1/4	2,013.35	1/4	2,370.83	1/4	2,728.32	1/4	3,085.80	1/4	3,443.32
1/2	245.67	1/2	595.79	1/2	952.74	1/2	1,308.40	1/2	1,663.30	1/2	2,020.79	1/2	2,378.28	1/2	2,735.76	1/2	3,093.25	1/2	3,450.77
3/4	253.12	3/4	603.24	3/4	960.16	3/4	1,315.69	3/4	1,670.75	3/4	2,028.24	3/4	2,385.73	3/4	2,743.21	3/4	3,100.70	3/4	3,458.22
10	260.57	10	610.69	10	967.58	10	1,322.97	10	1,678.20	10	2,035.69	10	2,393.17	10	2,750.66	10	3,108.14	10	3,465.67
1/4	268.02	1/4	618.14	1/4	975.00	1/4	1,330.26	1/4	1,685.65	1/4	2,043.14	1/4	2,400.62	1/4	2,758.11	1/4	3,115.59	1/4	3,473.12
1/2	275.46	1/2	625.58	1/2	982.42	1/2	1,337.54	1/2	1,693.09	1/2	2,050.58	1/2	2,408.07	1/2	2,765.55	1/2	3,123.04	1/2	3,480.57
3/4	282.90	3/4	633.03	3/4	989.83	3/4	1,344.83	3/4	1,700.54	3/4	2,058.03	3/4	2,415.52	3/4	2,773.00	3/4	3,130.49	3/4	3,488.02
11	290.33	11	640.48	11	997.25	11	1,352.11	11	1,707.99	11	2,065.48	11	2,422.96	11	2,780.45	11	3,137.93	11	3,495.47
1/4	297.76	1/4	647.93	1/4	1,004.67	1/4	1,359.40	1/4	1,715.44	1/4	2,072.93	1/4	2,430.41	1/4	2,787.90	1/4	3,145.38	1/4	3,502.92
1/2	305.19	1/2	655.38	1/2	1,012.09	1/2	1,366.69	1/2	1,722.88	1/2	2,080.37	1/2	2,437.86	1/2	2,795.34	1/2	3,152.83	1/2	3,510.37
3/4	312.61	3/4	662.82	3/4	1,019.51	3/4	1,373.97	3/4	1,730.33	3/4	2,087.82	3/4	2,445.31	3/4	2,802.79	3/4	3,160.28	3/4	3,517.82

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: (MANUAL) LOCATED 12'-09" OFF CENTERLINE AND 51'-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 27772"

3 STBD 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	3,435.48	0	3,625.91	0	3,805.99	0	3,971.59	0		0		0		0		0		0	
1/4	3,439.48	1/4	3,629.80	1/4	3,809.55	1/4	3,974.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,443.48	1/2	3,633.68	1/2	3,813.12	1/2	3,978.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,447.47	3/4	3,637.54	3/4	3,816.66	3/4	3,981.88	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,451.47	1	3,641.40	1	3,820.21	1	3,985.50	1		1		1		1		1		1	
1/4	3,455.47	1/4	3,645.26	1/4	3,823.76	1/4	3,989.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,459.46	1/2	3,649.12	1/2	3,827.30	1/2	3,992.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,463.46	3/4	3,652.97	3/4	3,830.83	3/4	3,996.65	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,467.46	2	3,656.81	2	3,834.36	2	4,000.56	2		2		2		2		2		2	
1/4	3,471.45	1/4	3,660.65	1/4	3,837.88	1/4	4,004.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,475.45	1/2	3,664.49	1/2	3,841.41	1/2	4,008.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,479.45	3/4	3,668.32	3/4	3,844.92	3/4	4,012.29	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,483.44	3	3,672.14	3	3,848.43	3	4,016.21	3		3		3		3		3		3	
1/4	3,487.44	1/4	3,675.96	1/4	3,851.94	1/4	4,020.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,491.44	1/2	3,679.79	1/2	3,855.44	1/2	4,024.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,495.43	3/4	3,683.59	3/4	3,858.93	3/4	4,027.60	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,499.43	4	3,687.40	4	3,862.42	4	4,031.16	4		4		4		4		4		4	
1/4	3,503.42	1/4	3,691.20	1/4	3,865.91	1/4	4,034.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,507.42	1/2	3,695.00	1/2	3,869.40	1/2	4,038.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,511.42	3/4	3,698.79	3/4	3,872.87	3/4	4,040.65	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,515.41	5	3,702.57	5	3,876.34	5	4,043.01	5		5		5		5		5		5	
1/4	3,519.41	1/4	3,706.36	1/4	3,879.81	1/4	4,045.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,523.41	1/2	3,710.14	1/2	3,883.27	1/2	4,047.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,527.40	3/4	3,713.91	3/4	3,886.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,531.39	6	3,717.67	6	3,890.17	6		6		6		6		6		6		6	
1/4	3,535.38	1/4	3,721.44	1/4	3,893.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,539.37	1/2	3,725.21	1/2	3,897.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,543.35	3/4	3,728.95	3/4	3,900.51	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,547.33	7	3,732.70	7	3,903.94	7		7		7		7		7		7		7	
1/4	3,551.31	1/4	3,736.45	1/4	3,907.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,555.28	1/2	3,740.19	1/2	3,910.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,559.24	3/4	3,743.92	3/4	3,914.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,563.20	8	3,747.65	8	3,917.62	8		8		8		8		8		8		8	
1/4	3,567.16	1/4	3,751.37	1/4	3,921.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,571.12	1/2	3,755.10	1/2	3,924.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,575.06	3/4	3,758.81	3/4	3,927.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,578.99	9	3,762.52	9	3,931.23	9		9		9		9		9		9		9	
1/4	3,582.93	1/4	3,766.22	1/4	3,934.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,586.87	1/2	3,769.93	1/2	3,938.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,590.79	3/4	3,773.58	3/4	3,941.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,594.71	10	3,777.22	10	3,944.76	10		10		10		10		10		10		10	
1/4	3,598.63	1/4	3,780.87	1/4	3,948.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,602.55	1/2	3,784.52	1/2	3,951.51	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,606.45	3/4	3,788.10	3/4	3,954.86	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,610.35	11	3,791.69	11	3,958.21	11		11		11		11		11		11		11	
1/4	3,614.25	1/4	3,795.27	1/4	3,961.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,618.15	1/2	3,798.86	1/2	3,964.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,622.03	3/4	3,802.42	3/4	3,968.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2011 CL - SW
RECALCULATED: 10/18/2021 PMA
REPRINTED: 10/18/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2021

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



BARGE "KIRBY 27772"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 6'-09"

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	48	1/4	2,359	1/4	4,669	1/4	6,980	1/4	9,291	1/4	11,601	1/4	13,912	1/4	16,223	1/4	18,534	1/4	20,845
1/2	96	1/2	2,407	1/2	4,718	1/2	7,028	1/2	9,339	1/2	11,650	1/2	13,960	1/2	16,271	1/2	18,582	1/2	20,893
3/4	144	3/4	2,455	3/4	4,766	3/4	7,076	3/4	9,387	3/4	11,698	3/4	14,008	3/4	16,319	3/4	18,630	3/4	20,944
1	193	1	2,503	1	4,814	1	7,125	1	9,435	1	11,746	1	14,057	1	16,368	1	18,679	1	20,995
1/4	241	1/4	2,551	1/4	4,862	1/4	7,173	1/4	9,483	1/4	11,794	1/4	14,105	1/4	16,416	1/4	18,727	1/4	21,043
1/2	289	1/2	2,599	1/2	4,910	1/2	7,221	1/2	9,531	1/2	11,842	1/2	14,153	1/2	16,467	1/2	18,778	1/2	21,100
3/4	337	3/4	2,648	3/4	4,958	3/4	7,269	3/4	9,580	3/4	11,890	3/4	14,201	3/4	16,518	3/4	18,829	3/4	21,152
2	385	2	2,696	2	5,006	2	7,317	2	9,628	2	11,938	2	14,249	2	16,559	2	18,870	2	21,193
1/4	433	1/4	2,744	1/4	5,055	1/4	7,365	1/4	9,676	1/4	11,987	1/4	14,297	1/4	16,600	1/4	18,911	1/4	21,234
1/2	481	1/2	2,792	1/2	5,103	1/2	7,413	1/2	9,724	1/2	12,035	1/2	14,345	1/2	16,641	1/2	18,952	1/2	21,275
3/4	530	3/4	2,840	3/4	5,151	3/4	7,462	3/4	9,772	3/4	12,083	3/4	14,394	3/4	16,682	3/4	19,003	3/4	21,316
3	578	3	2,888	3	5,199	3	7,510	3	9,820	3	12,131	3	14,443	3	16,723	3	19,044	3	21,357
1/4	626	1/4	2,936	1/4	5,247	1/4	7,558	1/4	9,868	1/4	12,179	1/4	14,491	1/4	16,764	1/4	19,085	1/4	21,398
1/2	674	1/2	2,985	1/2	5,295	1/2	7,606	1/2	9,917	1/2	12,227	1/2	14,540	1/2	16,805	1/2	19,126	1/2	21,439
3/4	722	3/4	3,033	3/4	5,343	3/4	7,654	3/4	9,965	3/4	12,275	3/4	14,589	3/4	16,846	3/4	19,167	3/4	21,480
4	770	4	3,081	4	5,392	4	7,702	4	10,013	4	12,324	4	14,638	4	16,887	4	19,208	4	21,521
1/4	818	1/4	3,129	1/4	5,440	1/4	7,750	1/4	10,061	1/4	12,372	1/4	14,687	1/4	16,928	1/4	19,249	1/4	21,562
1/2	866	1/2	3,177	1/2	5,488	1/2	7,798	1/2	10,109	1/2	12,420	1/2	14,735	1/2	16,969	1/2	19,290	1/2	21,603
3/4	915	3/4	3,225	3/4	5,536	3/4	7,847	3/4	10,157	3/4	12,468	3/4	14,784	3/4	17,010	3/4	19,331	3/4	21,644
5	963	5	3,273	5	5,584	5	7,895	5	10,205	5	12,516	5	14,833	5	17,051	5	19,372	5	21,685
1/4	1,011	1/4	3,322	1/4	5,632	1/4	7,943	1/4	10,254	1/4	12,564	1/4	14,881	1/4	17,092	1/4	19,413	1/4	21,726
1/2	1,059	1/2	3,370	1/2	5,680	1/2	7,991	1/2	10,302	1/2	12,612	1/2	14,930	1/2	17,133	1/2	19,454	1/2	21,767
3/4	1,107	3/4	3,418	3/4	5,729	3/4	8,039	3/4	10,350	3/4	12,661	3/4	14,979	3/4	17,174	3/4	19,495	3/4	21,808
6	1,155	6	3,466	6	5,777	6	8,087	6	10,398	6	12,709	6	15,028	6	17,215	6	19,536	6	21,849
1/4	1,203	1/4	3,514	1/4	5,825	1/4	8,135	1/4	10,446	1/4	12,757	1/4	15,077	1/4	17,256	1/4	19,577	1/4	21,890
1/2	1,252	1/2	3,562	1/2	5,873	1/2	8,184	1/2	10,494	1/2	12,805	1/2	15,126	1/2	17,297	1/2	19,618	1/2	21,931
3/4	1,300	3/4	3,610	3/4	5,921	3/4	8,232	3/4	10,542	3/4	12,853	3/4	15,175	3/4	17,338	3/4	19,659	3/4	21,972
7	1,348	7	3,659	7	5,969	7	8,280	7	10,591	7	12,901	7	15,224	7	17,379	7	19,700	7	22,013
1/4	1,396	1/4	3,707	1/4	6,017	1/4	8,328	1/4	10,639	1/4	12,949	1/4	15,273	1/4	17,420	1/4	19,741	1/4	22,054
1/2	1,444	1/2	3,755	1/2	6,065	1/2	8,376	1/2	10,687	1/2	12,997	1/2	15,322	1/2	17,461	1/2	19,782	1/2	22,095
3/4	1,492	3/4	3,803	3/4	6,114	3/4	8,424	3/4	10,735	3/4	13,046	3/4	15,371	3/4	17,502	3/4	19,823	3/4	22,136
8	1,540	8	3,851	8	6,162	8	8,472	8	10,783	8	13,094	8	15,420	8	17,543	8	19,864	8	22,177
1/4	1,589	1/4	3,899	1/4	6,210	1/4	8,521	1/4	10,831	1/4	13,142	1/4	15,469	1/4	17,584	1/4	19,905	1/4	22,218
1/2	1,637	1/2	3,947	1/2	6,258	1/2	8,569	1/2	10,879	1/2	13,190	1/2	15,518	1/2	17,625	1/2	19,946	1/2	22,259
3/4	1,685	3/4	3,996	3/4	6,306	3/4	8,617	3/4	10,928	3/4	13,238	3/4	15,567	3/4	17,666	3/4	19,987	3/4	22,300
9	1,733	9	4,044	9	6,354	9	8,665	9	10,976	9	13,286	9	15,616	9	17,707	9	20,028	9	22,341
1/4	1,781	1/4	4,092	1/4	6,402	1/4	8,713	1/4	11,024	1/4	13,334	1/4	15,665	1/4	17,748	1/4	20,069	1/4	22,382
1/2	1,829	1/2	4,140	1/2	6,451	1/2	8,761	1/2	11,072	1/2	13,383	1/2	15,714	1/2	17,789	1/2	20,110	1/2	22,423
3/4	1,877	3/4	4,188	3/4	6,499	3/4	8,809	3/4	11,120	3/4	13,431	3/4	15,763	3/4	17,830	3/4	20,151	3/4	22,464
10	1,926	10	4,236	10	6,547	10	8,858	10	11,168	10	13,479	10	15,812	10	17,871	10	20,192	10	22,505
1/4	1,974	1/4	4,284	1/4	6,595	1/4	8,906	1/4	11,216	1/4	13,527	1/4	15,861	1/4	17,912	1/4	20,233	1/4	22,546
1/2	2,022	1/2	4,332	1/2	6,643	1/2	8,954	1/2	11,264	1/2	13,575	1/2	15,910	1/2	17,953	1/2	20,274	1/2	22,587
3/4	2,070	3/4	4,381	3/4	6,691	3/4	9,002	3/4	11,313	3/4	13,623	3/4	15,959	3/4	18,004	3/4	20,315	3/4	22,628
11	2,118	11	4,429	11	6,739	11	9,050	11	11,361	11	13,671	11	16,008	11	18,045	11	20,356	11	22,669
1/4	2,166	1/4	4,477	1/4	6,788	1/4	9,098	1/4	11,409	1/4	13,720	1/4	16,057	1/4	18,086	1/4	20,397	1/4	22,710
1/2	2,214	1/2	4,525	1/2	6,836	1/2	9,146	1/2	11,457	1/2	13,768	1/2	16,106	1/2	18,127	1/2	20,438	1/2	22,751
3/4	2,263	3/4	4,573	3/4	6,884	3/4	9,195	3/4	11,505	3/4	13,816	3/4	16,155	3/4	18,168	3/4	20,479	3/4	22,792

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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