



BARGE "KIRBY 27769"

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

July 18, 2011

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27769"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
									4,848.52		4,517.84		4,166.42		3,793.29		3,415.57		3,037.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,841.02	1/4	4,510.79	1/4	4,158.84	1/4	3,785.42	1/4	3,407.70	1/4	3,029.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,833.52	1/2	4,503.75	1/2	4,151.25	1/2	3,777.55	1/2	3,399.83	1/2	3,022.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,826.03	3/4	4,496.70	3/4	4,143.67	3/4	3,769.68	3/4	3,391.96	3/4	3,014.23
1	1	1	1	1	1	1	1	1	4,819.10	1	4,489.62	1	4,136.04	1	3,761.82	1	3,384.09	1	3,006.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,812.18	1/4	4,482.54	1/4	4,128.42	1/4	3,753.95	1/4	3,376.22	1/4	2,998.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,805.25	1/2	4,475.45	1/2	4,120.80	1/2	3,746.08	1/2	3,368.35	1/2	2,990.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,798.32	3/4	4,468.37	3/4	4,113.18	3/4	3,738.21	3/4	3,360.48	3/4	2,982.75
2	2	2	2	2	2	2	2	2	4,791.66	2	4,461.25	2	4,105.52	2	3,730.34	2	3,352.61	2	2,974.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,784.99	1/4	4,454.13	1/4	4,097.86	1/4	3,722.47	1/4	3,344.74	1/4	2,967.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,778.33	1/2	4,447.01	1/2	4,090.19	1/2	3,714.60	1/2	3,336.87	1/2	2,959.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,771.66	3/4	4,439.89	3/4	4,082.53	3/4	3,706.73	3/4	3,329.00	3/4	2,951.28
3	3	3	3	3	3	3	3	3	4,764.96	3	4,432.71	3	4,074.84	3	3,698.86	3	3,321.13	3	2,943.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,758.26	1/4	4,425.53	1/4	4,067.14	1/4	3,690.99	1/4	3,313.26	1/4	2,935.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,751.55	1/2	4,418.35	1/2	4,059.44	1/2	3,683.12	1/2	3,305.40	1/2	2,927.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,744.85	3/4	4,411.17	3/4	4,051.74	3/4	3,675.25	3/4	3,297.53	3/4	2,919.80
4	4	4	4	4	4	4	4	4	4,738.11	4	4,403.91	4	4,044.00	4	3,667.38	4	3,289.66	4	2,911.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,731.37	1/4	4,396.65	1/4	4,036.27	1/4	3,659.51	1/4	3,281.79	1/4	2,904.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,724.63	1/2	4,389.39	1/2	4,028.53	1/2	3,651.64	1/2	3,273.92	1/2	2,896.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,717.88	3/4	4,382.13	3/4	4,020.79	3/4	3,643.78	3/4	3,266.05	3/4	2,888.32
5	5	5	5	5	5	5	5	5	4,711.11	5	4,374.81	5	4,013.02	5	3,635.91	5	3,258.18	5	2,880.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,704.33	1/4	4,367.49	1/4	4,005.24	1/4	3,628.04	1/4	3,250.31	1/4	2,872.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,697.55	1/2	4,360.17	1/2	3,997.47	1/2	3,620.17	1/2	3,242.44	1/2	2,864.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,690.77	3/4	4,352.85	3/4	3,989.70	3/4	3,612.30	3/4	3,234.57	3/4	2,856.85
6	6	6	6	6	6	6	6	6	4,683.95	6	4,345.49	6	3,981.88	6	3,604.43	6	3,226.70	6	2,848.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,677.13	1/4	4,338.14	1/4	3,974.07	1/4	3,596.56	1/4	3,218.83	1/4	2,841.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,670.32	1/2	4,330.78	1/2	3,966.26	1/2	3,588.69	1/2	3,210.96	1/2	2,833.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,663.50	3/4	4,323.42	3/4	3,958.45	3/4	3,580.82	3/4	3,203.09	3/4	2,825.37
7	7	7	7	7	7	7	7	7	4,656.64	7	4,316.03	7	3,950.60	7	3,572.95	7	3,195.23	7	2,817.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,649.79	1/4	4,308.63	1/4	3,942.75	1/4	3,565.08	1/4	3,187.36	1/4	2,809.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,642.93	1/2	4,301.24	1/2	3,934.91	1/2	3,557.21	1/2	3,179.49	1/2	2,801.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,966.63	3/4	4,636.08	3/4	4,293.84	3/4	3,927.06	3/4	3,549.34	3/4	3,171.62
8	8	8	8	8	8	8	8	8	4,961.14	8	4,629.19	8	4,286.41	8	3,919.20	8	3,541.47	8	3,163.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,955.65	1/4	4,622.29	1/4	4,278.98	1/4	3,911.33	1/4	3,533.61	1/4	3,155.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,950.16	1/2	4,615.40	1/2	4,271.55	1/2	3,903.46	1/2	3,525.74	1/2	3,148.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,944.67	3/4	4,608.51	3/4	4,264.11	3/4	3,895.59	3/4	3,517.87	3/4	3,140.14
9	9	9	9	9	9	9	9	9	4,937.89	9	4,601.58	9	4,256.64	9	3,887.72	9	3,510.00	9	3,132.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,931.11	1/4	4,594.65	1/4	4,249.17	1/4	3,879.85	1/4	3,502.13	1/4	3,124.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,924.33	1/2	4,587.71	1/2	4,241.70	1/2	3,871.99	1/2	3,494.26	1/2	3,116.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,917.55	3/4	4,580.78	3/4	4,234.23	3/4	3,864.12	3/4	3,486.39	3/4	3,108.66
10	10	10	10	10	10	10	10	10	4,909.95	10	4,573.81	10	4,226.72	10	3,856.25	10	3,478.52	10	3,100.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,902.35	1/4	4,566.85	1/4	4,219.21	1/4	3,848.38	1/4	3,470.65	1/4	3,092.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,894.75	1/2	4,559.88	1/2	4,211.70	1/2	3,840.51	1/2	3,462.78	1/2	3,085.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,887.15	3/4	4,552.91	3/4	4,204.19	3/4	3,832.64	3/4	3,454.91	3/4	3,077.19
11	11	11	11	11	11	11	11	11	4,879.37	11	4,545.90	11	4,196.65	11	3,824.77	11	3,447.04	11	3,069.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,871.58	1/4	4,538.89	1/4	4,189.10	1/4	3,816.90	1/4	3,439.17	1/4	3,061.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,863.80	1/2	4,531.89	1/2	4,181.55	1/2	3,809.03	1/2	3,431.30	1/2	3,053.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,856.01	3/4	4,524.88	3/4	4,174.01	3/4	3,801.16	3/4	3,423.44	3/4	3,045.71

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 27769"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,660.11	0	2,282.39	0	1,904.66	0	1,526.92	0	1,150.10	0	774.58	0	405.98	0	77.15	0		0	
1/4	2,652.24	1/4	2,274.52	1/4	1,896.79	1/4	1,519.05	1/4	1,142.29	1/4	766.71	1/4	398.44	1/4	71.58	1/4		1/4	
1/2	2,644.37	1/2	2,266.65	1/2	1,888.92	1/2	1,511.18	1/2	1,134.47	1/2	758.84	1/2	390.90	1/2	66.01	1/2		1/2	
3/4	2,636.51	3/4	2,258.78	3/4	1,881.05	3/4	1,503.31	3/4	1,126.66	3/4	750.97	3/4	383.37	3/4	60.44	3/4		3/4	
1	2,628.64	1	2,250.91	1	1,873.18	1	1,495.45	1	1,118.85	1	743.10	1	375.94	1	54.54	1		1	
1/4	2,620.77	1/4	2,243.04	1/4	1,865.31	1/4	1,487.60	1/4	1,111.04	1/4	735.23	1/4	368.52	1/4	48.65	1/4		1/4	
1/2	2,612.90	1/2	2,235.17	1/2	1,857.44	1/2	1,479.74	1/2	1,103.22	1/2	727.36	1/2	361.09	1/2	42.75	1/2		1/2	
3/4	2,605.03	3/4	2,227.30	3/4	1,849.57	3/4	1,471.88	3/4	1,095.41	3/4	719.49	3/4	353.67	3/4	36.86	3/4		3/4	
2	2,597.16	2	2,219.43	2	1,841.70	2	1,464.04	2	1,087.60	2	711.62	2	346.34	2	31.46	2		2	
1/4	2,589.29	1/4	2,211.56	1/4	1,833.83	1/4	1,456.20	1/4	1,079.79	1/4	703.75	1/4	339.01	1/4	26.07	1/4		1/4	
1/2	2,581.42	1/2	2,203.69	1/2	1,825.96	1/2	1,448.36	1/2	1,071.98	1/2	695.88	1/2	331.69	1/2	20.67	1/2		1/2	
3/4	2,573.55	3/4	2,195.82	3/4	1,818.09	3/4	1,440.52	3/4	1,064.16	3/4	688.01	3/4	324.36	3/4	15.28	3/4		3/4	
3	2,565.68	3	2,187.96	3	1,810.22	3	1,432.67	3	1,056.35	3	680.14	3	317.12	3	11.90	3		3	
1/4	2,557.81	1/4	2,180.09	1/4	1,802.35	1/4	1,424.83	1/4	1,048.54	1/4	672.27	1/4	309.88	1/4	8.53	1/4		1/4	
1/2	2,549.94	1/2	2,172.22	1/2	1,794.48	1/2	1,416.99	1/2	1,040.73	1/2	664.40	1/2	302.64	1/2		1/2		1/2	
3/4	2,542.07	3/4	2,164.35	3/4	1,786.61	3/4	1,409.15	3/4	1,032.92	3/4	656.53	3/4	295.40	3/4		3/4		3/4	
4	2,534.20	4	2,156.48	4	1,778.74	4	1,401.31	4	1,025.10	4	648.66	4	288.26	4		4		4	
1/4	2,526.33	1/4	2,148.61	1/4	1,770.87	1/4	1,393.46	1/4	1,017.29	1/4	640.79	1/4	281.12	1/4		1/4		1/4	
1/2	2,518.47	1/2	2,140.74	1/2	1,763.00	1/2	1,385.62	1/2	1,009.48	1/2	632.93	1/2	273.98	1/2		1/2		1/2	
3/4	2,510.60	3/4	2,132.87	3/4	1,755.13	3/4	1,377.78	3/4	1,001.67	3/4	625.06	3/4	266.84	3/4		3/4		3/4	
5	2,502.73	5	2,125.00	5	1,747.27	5	1,369.94	5	993.86	5	617.19	5	259.80	5		5		5	
1/4	2,494.86	1/4	2,117.13	1/4	1,739.40	1/4	1,362.09	1/4	986.04	1/4	609.31	1/4	252.76	1/4		1/4		1/4	
1/2	2,486.99	1/2	2,109.26	1/2	1,731.53	1/2	1,354.25	1/2	978.23	1/2	601.44	1/2	245.72	1/2		1/2		1/2	
3/4	2,479.12	3/4	2,101.39	3/4	1,723.66	3/4	1,346.41	3/4	970.42	3/4	593.57	3/4	238.69	3/4		3/4		3/4	
6	2,471.25	6	2,093.52	6	1,715.79	6	1,338.57	6	962.61	6	585.70	6	231.75	6		6		6	
1/4	2,463.38	1/4	2,085.65	1/4	1,707.92	1/4	1,330.72	1/4	954.80	1/4	577.83	1/4	224.82	1/4		1/4		1/4	
1/2	2,455.51	1/2	2,077.78	1/2	1,700.05	1/2	1,322.88	1/2	946.98	1/2	569.96	1/2	217.88	1/2		1/2		1/2	
3/4	2,447.64	3/4	2,069.92	3/4	1,692.18	3/4	1,315.04	3/4	939.17	3/4	562.09	3/4	210.95	3/4		3/4		3/4	
7	2,439.77	7	2,062.05	7	1,684.31	7	1,307.18	7	931.36	7	554.22	7	204.13	7		7		7	
1/4	2,431.90	1/4	2,054.18	1/4	1,676.44	1/4	1,299.32	1/4	923.55	1/4	546.35	1/4	197.30	1/4		1/4		1/4	
1/2	2,424.03	1/2	2,046.31	1/2	1,668.57	1/2	1,291.47	1/2	915.74	1/2	538.48	1/2	190.48	1/2		1/2		1/2	
3/4	2,416.16	3/4	2,038.44	3/4	1,660.70	3/4	1,283.61	3/4	907.92	3/4	530.61	3/4	183.66	3/4		3/4		3/4	
8	2,408.30	8	2,030.57	8	1,652.83	8	1,275.74	8	900.11	8	522.97	8	176.95	8		8		8	
1/4	2,400.43	1/4	2,022.70	1/4	1,644.96	1/4	1,267.87	1/4	892.30	1/4	515.34	1/4	170.25	1/4		1/4		1/4	
1/2	2,392.56	1/2	2,014.83	1/2	1,637.09	1/2	1,260.00	1/2	884.48	1/2	507.70	1/2	163.55	1/2		1/2		1/2	
3/4	2,384.69	3/4	2,006.96	3/4	1,629.22	3/4	1,252.13	3/4	876.67	3/4	500.06	3/4	156.84	3/4		3/4		3/4	
9	2,376.82	9	1,999.09	9	1,621.35	9	1,244.26	9	868.84	9	492.91	9	150.25	9		9		9	
1/4	2,368.95	1/4	1,991.22	1/4	1,613.48	1/4	1,236.39	1/4	861.01	1/4	485.77	1/4	143.66	1/4		1/4		1/4	
1/2	2,361.08	1/2	1,983.35	1/2	1,605.61	1/2	1,228.52	1/2	853.18	1/2	478.62	1/2	137.07	1/2		1/2		1/2	
3/4	2,353.21	3/4	1,975.48	3/4	1,597.74	3/4	1,220.65	3/4	845.35	3/4	471.48	3/4	130.48	3/4		3/4		3/4	
10	2,345.34	10	1,967.61	10	1,589.87	10	1,212.79	10	837.50	10	464.41	10	124.23	10		10		10	
1/4	2,337.47	1/4	1,959.74	1/4	1,582.00	1/4	1,204.94	1/4	829.64	1/4	457.34	1/4	117.97	1/4		1/4		1/4	
1/2	2,329.60	1/2	1,951.87	1/2	1,574.13	1/2	1,197.08	1/2	821.79	1/2	450.27	1/2	111.72	1/2		1/2		1/2	
3/4	2,321.73	3/4	1,944.01	3/4	1,566.26	3/4	1,189.23	3/4	813.93	3/4	443.20	3/4	105.46	3/4		3/4		3/4	
11	2,313.86	11	1,936.14	11	1,558.39	11	1,181.40	11	806.06	11	435.78	11	99.78	11		11		11	
1/4	2,305.99	1/4	1,928.27	1/4	1,550.53	1/4	1,173.57	1/4	798.19	1/4	428.36	1/4	94.09	1/4		1/4		1/4	
1/2	2,298.13	1/2	1,920.40	1/2	1,542.66	1/2	1,165.74	1/2	790.32	1/2	420.93	1/2	88.40	1/2		1/2		1/2	
3/4	2,290.26	3/4	1,912.53	3/4	1,534.79	3/4	1,157.91	3/4	782.45	3/4	413.51	3/4	82.72	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/18/2011 CL - SW
CALCULATED: 07/18/2011 CL
PRINTED: 07/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2011

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



BARGE "KIRBY 27769"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
									4,849.99		4,519.29		4,167.86		3,794.76		3,417.02		3,039.29		
1/4		1/4		1/4		1/4		1/4	4,842.50	1/4	4,512.25	1/4	4,160.28	1/4	3,786.89	1/4	3,409.15	1/4	3,031.42		
1/2		1/2		1/2		1/2		1/2	4,835.00	1/2	4,505.20	1/2	4,152.69	1/2	3,779.02	1/2	3,401.29	1/2	3,023.55		
3/4		3/4		3/4		3/4		3/4	4,827.50	3/4	4,498.16	3/4	4,145.11	3/4	3,771.15	3/4	3,393.42	3/4	3,015.68		
1	1	1	1	1	1	1	1	1	4,820.58	1	4,491.07	1	4,137.49	1	3,763.28	1	3,385.55	1	3,007.82		
1/4		1/4		1/4		1/4		1/4	4,813.65	1/4	4,483.99	1/4	4,129.86	1/4	3,755.41	1/4	3,377.68	1/4	2,999.95		
1/2		1/2		1/2		1/2		1/2	4,806.72	1/2	4,476.91	1/2	4,122.24	1/2	3,747.54	1/2	3,369.81	1/2	2,992.08		
3/4		3/4		3/4		3/4		3/4	4,799.80	3/4	4,469.82	3/4	4,114.62	3/4	3,739.67	3/4	3,361.94	3/4	2,984.21		
2	2	2	2	2	2	2	2	2	4,793.13	2	4,462.70	2	4,106.96	2	3,731.80	2	3,354.07	2	2,976.34		
1/4		1/4		1/4		1/4		1/4	4,786.47	1/4	4,455.58	1/4	4,099.30	1/4	3,723.93	1/4	3,346.20	1/4	2,968.47		
1/2		1/2		1/2		1/2		1/2	4,779.80	1/2	4,448.46	1/2	4,091.64	1/2	3,716.06	1/2	3,338.33	1/2	2,960.60		
3/4		3/4		3/4		3/4		3/4	4,773.13	3/4	4,441.34	3/4	4,083.98	3/4	3,708.19	3/4	3,330.46	3/4	2,952.73		
3	3	3	3	3	3	3	3	3	4,766.43	3	4,434.16	3	4,076.28	3	3,700.32	3	3,322.59	3	2,944.86		
1/4		1/4		1/4		1/4		1/4	4,759.73	1/4	4,426.98	1/4	4,068.58	1/4	3,692.45	1/4	3,314.72	1/4	2,936.99		
1/2		1/2		1/2		1/2		1/2	4,753.02	1/2	4,419.80	1/2	4,060.88	1/2	3,684.58	1/2	3,306.85	1/2	2,929.12		
3/4		3/4		3/4		3/4		3/4	4,746.32	3/4	4,412.62	3/4	4,053.18	3/4	3,676.71	3/4	3,298.98	3/4	2,921.25		
4	4	4	4	4	4	4	4	4	4,739.58	4	4,405.36	4	4,045.44	4	3,668.84	4	3,291.11	4	2,913.38		
1/4		1/4		1/4		1/4		1/4	4,732.84	1/4	4,398.10	1/4	4,037.71	1/4	3,660.98	1/4	3,283.24	1/4	2,905.51		
1/2		1/2		1/2		1/2		1/2	4,726.09	1/2	4,390.84	1/2	4,029.97	1/2	3,653.11	1/2	3,275.37	1/2	2,897.64		
3/4		3/4		3/4		3/4		3/4	4,719.35	3/4	4,383.58	3/4	4,022.23	3/4	3,645.24	3/4	3,267.51	3/4	2,889.77		
5	5	5	5	5	5	5	5	5	4,712.57	5	4,376.26	5	4,014.46	5	3,637.37	5	3,259.64	5	2,881.90		
1/4		1/4		1/4		1/4		1/4	4,705.79	1/4	4,368.94	1/4	4,006.69	1/4	3,629.50	1/4	3,251.77	1/4	2,874.04		
1/2		1/2		1/2		1/2		1/2	4,699.01	1/2	4,361.62	1/2	3,998.91	1/2	3,621.63	1/2	3,243.90	1/2	2,866.17		
3/4		3/4		3/4		3/4		3/4	4,692.23	3/4	4,354.30	3/4	3,991.14	3/4	3,613.76	3/4	3,236.03	3/4	2,858.30		
6	6	6	6	6	6	6	6	6	4,685.42	6	4,346.94	6	3,983.32	6	3,605.89	6	3,228.16	6	2,850.43		
1/4		1/4		1/4		1/4		1/4	4,678.60	1/4	4,339.59	1/4	3,975.51	1/4	3,598.02	1/4	3,220.29	1/4	2,842.56		
1/2		1/2		1/2		1/2		1/2	4,671.78	1/2	4,332.23	1/2	3,967.70	1/2	3,590.15	1/2	3,212.42	1/2	2,834.69		
3/4		3/4		3/4		3/4		3/4	4,664.96	3/4	4,324.87	3/4	3,959.89	3/4	3,582.28	3/4	3,204.55	3/4	2,826.82		
7	7	7	7	7	7	7	7	7	4,658.11	7	4,317.48	7	3,952.04	7	3,574.41	7	3,196.68	7	2,818.95		
1/4		1/4		1/4		1/4		1/4	4,651.25	1/4	4,310.08	1/4	3,944.20	1/4	3,566.54	1/4	3,188.81	1/4	2,811.08		
1/2		1/2		1/2		1/2		1/2	4,644.40	1/2	4,302.68	1/2	3,936.35	1/2	3,558.67	1/2	3,180.94	1/2	2,803.21		
3/4		3/4		3/4		3/4		3/4	4,968.10	3/4	4,637.54	3/4	4,295.29	3/4	3,928.50	3/4	3,550.80	3/4	3,173.07		
8	8	8	8	8	8	8	8	8	4,962.61	8	4,630.65	8	4,287.86	8	3,920.64	8	3,542.93	8	3,165.20		
1/4		1/4		1/4		1/4		1/4	4,957.12	1/4	4,623.75	1/4	4,280.42	1/4	3,912.78	1/4	3,535.06	1/4	3,157.33		
1/2		1/2		1/2		1/2		1/2	4,951.64	1/2	4,616.86	1/2	4,272.99	1/2	3,904.92	1/2	3,527.20	1/2	3,149.46		
3/4		3/4		3/4		3/4		3/4	4,946.15	3/4	4,609.97	3/4	4,265.56	3/4	3,897.06	3/4	3,519.33	3/4	3,141.59		
9	9	9	9	9	9	9	9	9	4,939.37	9	4,603.04	9	4,258.09	9	3,889.19	9	3,511.46	9	3,133.73		
1/4		1/4		1/4		1/4		1/4	4,932.59	1/4	4,596.11	1/4	4,250.61	1/4	3,881.32	1/4	3,503.59	1/4	3,125.86		
1/2		1/2		1/2		1/2		1/2	4,925.81	1/2	4,589.17	1/2	4,243.14	1/2	3,873.45	1/2	3,495.72	1/2	3,117.99		
3/4		3/4		3/4		3/4		3/4	4,919.03	3/4	4,582.24	3/4	4,235.67	3/4	3,865.58	3/4	3,487.85	3/4	3,110.12		
10	10	10	10	10	10	10	10	10	4,911.43	10	4,575.27	10	4,228.16	10	3,857.71	10	3,479.98	10	3,102.25		
1/4		1/4		1/4		1/4		1/4	4,903.83	1/4	4,568.30	1/4	4,220.65	1/4	3,849.84	1/4	3,472.11	1/4	3,094.38		
1/2		1/2		1/2		1/2		1/2	4,896.23	1/2	4,561.33	1/2	4,213.15	1/2	3,841.97	1/2	3,464.24	1/2	3,086.51		
3/4		3/4		3/4		3/4		3/4	4,888.63	3/4	4,554.36	3/4	4,205.64	3/4	3,834.10	3/4	3,456.37	3/4	3,078.64		
11	11	11	11	11	11	11	11	11	4,880.84	11	4,547.36	11	4,198.09	11	3,826.23	11	3,448.50	11	3,070.77		
1/4		1/4		1/4		1/4		1/4	4,873.06	1/4	4,540.35	1/4	4,190.54	1/4	3,818.36	1/4	3,440.63	1/4	3,062.90		
1/2		1/2		1/2		1/2		1/2	4,865.27	1/2	4,533.34	1/2	4,183.00	1/2	3,810.49	1/2	3,432.76	1/2	3,055.03		
3/4		3/4		3/4		3/4		3/4	4,857.49	3/4	4,526.34	3/4	4,175.45	3/4	3,802.62	3/4	3,424.89	3/4	3,047.16		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27769"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,661.56	0	2,283.83	0	1,906.10	0	1,528.36	0	1,151.34	0	774.63	0	406.02	0	77.17	0		0	
1/4	2,653.69	1/4	2,275.96	1/4	1,898.23	1/4	1,520.49	1/4	1,143.49	1/4	766.76	1/4	398.48	1/4	71.60	1/4		1/4	
1/2	2,645.82	1/2	2,268.09	1/2	1,890.36	1/2	1,512.62	1/2	1,135.65	1/2	758.89	1/2	390.94	1/2	66.03	1/2		1/2	
3/4	2,637.95	3/4	2,260.22	3/4	1,882.49	3/4	1,504.75	3/4	1,127.81	3/4	751.02	3/4	383.41	3/4	60.46	3/4		3/4	
1	2,630.08	1	2,252.35	1	1,874.62	1	1,496.89	1	1,119.97	1	743.15	1	375.98	1	54.56	1		1	
1/4	2,622.21	1/4	2,244.48	1/4	1,866.75	1/4	1,489.04	1/4	1,112.12	1/4	735.28	1/4	368.56	1/4	48.66	1/4		1/4	
1/2	2,614.35	1/2	2,236.61	1/2	1,858.88	1/2	1,481.18	1/2	1,104.28	1/2	727.41	1/2	361.13	1/2	42.76	1/2		1/2	
3/4	2,606.48	3/4	2,228.74	3/4	1,851.01	3/4	1,473.33	3/4	1,096.44	3/4	719.54	3/4	353.71	3/4	36.87	3/4		3/4	
2	2,598.61	2	2,220.88	2	1,843.14	2	1,465.48	2	1,088.60	2	711.67	2	346.38	2	31.47	2		2	
1/4	2,590.74	1/4	2,213.01	1/4	1,835.27	1/4	1,457.64	1/4	1,080.76	1/4	703.80	1/4	339.05	1/4	26.08	1/4		1/4	
1/2	2,582.87	1/2	2,205.14	1/2	1,827.40	1/2	1,449.80	1/2	1,072.92	1/2	695.93	1/2	331.73	1/2	20.68	1/2		1/2	
3/4	2,575.00	3/4	2,197.27	3/4	1,819.53	3/4	1,441.96	3/4	1,065.08	3/4	688.06	3/4	324.40	3/4	15.29	3/4		3/4	
3	2,567.13	3	2,189.40	3	1,811.66	3	1,434.11	3	1,057.24	3	680.19	3	317.16	3	11.91	3		3	
1/4	2,559.26	1/4	2,181.53	1/4	1,803.79	1/4	1,426.27	1/4	1,049.40	1/4	672.32	1/4	309.92	1/4	8.54	1/4		1/4	
1/2	2,551.39	1/2	2,173.66	1/2	1,795.92	1/2	1,418.43	1/2	1,041.56	1/2	664.45	1/2	302.68	1/2		1/2		1/2	
3/4	2,543.52	3/4	2,165.79	3/4	1,788.05	3/4	1,410.59	3/4	1,033.71	3/4	656.58	3/4	295.44	3/4		3/4		3/4	
4	2,535.65	4	2,157.92	4	1,780.18	4	1,402.75	4	1,025.87	4	648.71	4	288.30	4		4		4	
1/4	2,527.78	1/4	2,150.05	1/4	1,772.31	1/4	1,394.90	1/4	1,018.03	1/4	640.84	1/4	281.16	1/4		1/4		1/4	
1/2	2,519.91	1/2	2,142.18	1/2	1,764.44	1/2	1,387.06	1/2	1,010.19	1/2	632.97	1/2	274.02	1/2		1/2		1/2	
3/4	2,512.04	3/4	2,134.31	3/4	1,756.58	3/4	1,379.22	3/4	1,002.35	3/4	625.10	3/4	266.87	3/4		3/4		3/4	
5	2,504.17	5	2,126.44	5	1,748.71	5	1,371.38	5	994.51	5	617.23	5	259.84	5		5		5	
1/4	2,496.30	1/4	2,118.57	1/4	1,740.84	1/4	1,363.53	1/4	986.67	1/4	609.36	1/4	252.80	1/4		1/4		1/4	
1/2	2,488.43	1/2	2,110.70	1/2	1,732.97	1/2	1,355.69	1/2	978.83	1/2	601.49	1/2	245.76	1/2		1/2		1/2	
3/4	2,480.57	3/4	2,102.83	3/4	1,725.10	3/4	1,347.85	3/4	970.99	3/4	593.62	3/4	238.72	3/4		3/4		3/4	
6	2,472.70	6	2,094.96	6	1,717.23	6	1,340.01	6	963.15	6	585.75	6	231.79	6		6		6	
1/4	2,464.83	1/4	2,087.10	1/4	1,709.36	1/4	1,332.16	1/4	955.30	1/4	577.88	1/4	224.85	1/4		1/4		1/4	
1/2	2,456.96	1/2	2,079.23	1/2	1,701.49	1/2	1,324.32	1/2	947.46	1/2	570.01	1/2	217.92	1/2		1/2		1/2	
3/4	2,449.09	3/4	2,071.36	3/4	1,693.62	3/4	1,316.48	3/4	939.62	3/4	562.14	3/4	210.98	3/4		3/4		3/4	
7	2,441.22	7	2,063.49	7	1,685.75	7	1,308.62	7	931.78	7	554.27	7	204.16	7		7		7	
1/4	2,433.35	1/4	2,055.62	1/4	1,677.88	1/4	1,300.76	1/4	923.94	1/4	546.40	1/4	197.34	1/4		1/4		1/4	
1/2	2,425.48	1/2	2,047.75	1/2	1,670.01	1/2	1,292.91	1/2	916.10	1/2	538.53	1/2	190.51	1/2		1/2		1/2	
3/4	2,417.61	3/4	2,039.88	3/4	1,662.14	3/4	1,285.05	3/4	908.26	3/4	530.66	3/4	183.69	3/4		3/4		3/4	
8	2,409.74	8	2,032.01	8	1,654.27	8	1,277.18	8	900.42	8	523.02	8	176.98	8		8		8	
1/4	2,401.87	1/4	2,024.14	1/4	1,646.40	1/4	1,269.31	1/4	892.57	1/4	515.38	1/4	170.28	1/4		1/4		1/4	
1/2	2,394.00	1/2	2,016.27	1/2	1,638.53	1/2	1,261.44	1/2	884.73	1/2	507.74	1/2	163.58	1/2		1/2		1/2	
3/4	2,386.13	3/4	2,008.40	3/4	1,630.66	3/4	1,253.57	3/4	876.89	3/4	500.11	3/4	156.87	3/4		3/4		3/4	
9	2,378.26	9	2,000.53	9	1,622.79	9	1,245.70	9	869.03	9	492.96	9	150.28	9		9		9	
1/4	2,370.39	1/4	1,992.66	1/4	1,614.92	1/4	1,237.83	1/4	861.17	1/4	485.81	1/4	143.69	1/4		1/4		1/4	
1/2	2,362.52	1/2	1,984.79	1/2	1,607.05	1/2	1,229.96	1/2	853.31	1/2	478.67	1/2	137.10	1/2		1/2		1/2	
3/4	2,354.65	3/4	1,976.92	3/4	1,599.18	3/4	1,222.09	3/4	845.46	3/4	471.52	3/4	130.51	3/4		3/4		3/4	
10	2,346.79	10	1,969.05	10	1,591.31	10	1,214.22	10	837.59	10	464.45	10	124.25	10		10		10	
1/4	2,338.92	1/4	1,961.18	1/4	1,583.44	1/4	1,206.35	1/4	829.72	1/4	457.38	1/4	118.00	1/4		1/4		1/4	
1/2	2,331.05	1/2	1,953.32	1/2	1,575.57	1/2	1,198.48	1/2	821.85	1/2	450.31	1/2	111.74	1/2		1/2		1/2	
3/4	2,323.18	3/4	1,945.45	3/4	1,567.70	3/4	1,190.61	3/4	813.98	3/4	443.24	3/4	105.49	3/4		3/4		3/4	
11	2,315.31	11	1,937.58	11	1,559.84	11	1,182.75	11	806.11	11	435.82	11	99.80	11		11		11	
1/4	2,307.44	1/4	1,929.71	1/4	1,551.97	1/4	1,174.89	1/4	798.24	1/4	428.40	1/4	94.11	1/4		1/4		1/4	
1/2	2,299.57	1/2	1,921.84	1/2	1,544.10	1/2	1,167.04	1/2	790.37	1/2	420.98	1/2	88.43	1/2		1/2		1/2	
3/4	2,291.70	3/4	1,913.97	3/4	1,536.23	3/4	1,159.18	3/4	782.50	3/4	413.55	3/4	82.74	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/18/2011 CL - SW
CALCULATED: 07/18/2011 CL
PRINTED: 07/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2011

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



BARGE "KIRBY 27769"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
									4,661.61		4,347.97		4,013.55		3,658.71		3,299.74		2,940.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,654.49	1/4	4,341.27	1/4	4,006.34	1/4	3,651.23	1/4	3,292.26	1/4	2,933.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,647.37	1/2	4,334.58	1/2	3,999.13	1/2	3,643.75	1/2	3,284.79	1/2	2,925.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,640.79	3/4	4,327.86	3/4	3,991.89	3/4	3,636.27	3/4	3,277.31	3/4	2,918.34
1	1	1	1	1	1	1	1	1	4,634.21	1	4,321.13	1	3,984.64	1	3,628.79	1	3,269.83	1	2,910.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,627.63	1/4	4,314.40	1/4	3,977.40	1/4	3,621.31	1/4	3,262.35	1/4	2,903.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,621.06	1/2	4,307.68	1/2	3,970.15	1/2	3,613.83	1/2	3,254.87	1/2	2,895.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,614.72	3/4	4,300.91	3/4	3,962.87	3/4	3,606.36	3/4	3,247.39	3/4	2,888.43
2	2	2	2	2	2	2	2	2	4,608.39	2	4,294.15	2	3,955.59	2	3,598.88	2	3,239.91	2	2,880.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,602.06	1/4	4,287.39	1/4	3,948.31	1/4	3,591.40	1/4	3,232.44	1/4	2,873.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,595.73	1/2	4,280.62	1/2	3,941.03	1/2	3,583.92	1/2	3,224.96	1/2	2,865.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,589.37	3/4	4,273.80	3/4	3,933.72	3/4	3,576.44	3/4	3,217.48	3/4	2,858.52
3	3	3	3	3	3	3	3	3	4,583.00	3	4,266.98	3	3,926.40	3	3,568.96	3	3,210.00	3	2,851.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,576.63	1/4	4,260.16	1/4	3,919.08	1/4	3,561.49	1/4	3,202.52	1/4	2,843.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,570.27	1/2	4,253.34	1/2	3,911.77	1/2	3,554.01	1/2	3,195.04	1/2	2,836.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,563.86	3/4	4,246.44	3/4	3,904.42	3/4	3,546.53	3/4	3,187.57	3/4	2,828.60
4	4	4	4	4	4	4	4	4	4,557.46	4	4,239.55	4	3,897.06	4	3,539.05	4	3,180.09	4	2,821.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,551.06	1/4	4,232.65	1/4	3,889.71	1/4	3,531.57	1/4	3,172.61	1/4	2,813.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,544.66	1/2	4,225.75	1/2	3,882.36	1/2	3,524.09	1/2	3,165.13	1/2	2,806.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,538.22	3/4	4,218.79	3/4	3,874.97	3/4	3,516.62	3/4	3,157.65	3/4	2,798.69
5	5	5	5	5	5	5	5	5	4,531.78	5	4,211.84	5	3,867.58	5	3,509.14	5	3,150.17	5	2,791.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,525.34	1/4	4,204.88	1/4	3,860.19	1/4	3,501.66	1/4	3,142.70	1/4	2,783.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,518.90	1/2	4,197.93	1/2	3,852.81	1/2	3,494.18	1/2	3,135.22	1/2	2,776.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,512.43	3/4	4,190.93	3/4	3,845.38	3/4	3,486.70	3/4	3,127.74	3/4	2,768.78
6	6	6	6	6	6	6	6	6	4,505.95	6	4,183.94	6	3,837.96	6	3,479.22	6	3,120.26	6	2,761.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,499.48	1/4	4,176.95	1/4	3,830.53	1/4	3,471.75	1/4	3,112.78	1/4	2,753.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,493.00	1/2	4,169.96	1/2	3,823.11	1/2	3,464.27	1/2	3,105.30	1/2	2,746.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,486.49	3/4	4,162.93	3/4	3,815.65	3/4	3,456.79	3/4	3,097.83	3/4	2,738.86
7	7	7	7	7	7	7	7	7	4,479.98	7	4,155.90	7	3,808.20	7	3,449.31	7	3,090.35	7	2,731.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,473.47	1/4	4,148.88	1/4	3,800.74	1/4	3,441.83	1/4	3,082.87	1/4	2,723.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,466.96	1/2	4,141.85	1/2	3,793.29	1/2	3,434.35	1/2	3,075.39	1/2	2,716.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,460.41	3/4	4,134.78	3/4	3,785.82	3/4	3,426.87	3/4	3,067.91	3/4	2,708.95
8	8	8	8	8	8	8	8	8	4,453.87	8	4,127.72	8	3,778.34	8	3,419.40	8	3,060.43	8	2,701.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,447.32	1/4	4,120.66	1/4	3,770.87	1/4	3,411.92	1/4	3,052.95	1/4	2,693.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,440.77	1/2	4,113.59	1/2	3,763.40	1/2	3,404.44	1/2	3,045.48	1/2	2,686.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,434.19	3/4	4,106.49	3/4	3,755.92	3/4	3,396.96	3/4	3,038.00	3/4	2,679.03
9	9	9	9	9	9	9	9	9	4,427.61	9	4,099.39	9	3,748.45	9	3,389.48	9	3,030.52	9	2,671.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,421.03	1/4	4,092.29	1/4	3,740.97	1/4	3,382.00	1/4	3,023.04	1/4	2,664.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,414.44	1/2	4,085.19	1/2	3,733.49	1/2	3,374.53	1/2	3,015.56	1/2	2,656.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,407.82	3/4	4,078.06	3/4	3,726.01	3/4	3,367.05	3/4	3,008.08	3/4	2,649.12
10	10	10	10	10	10	10	10	10	4,401.20	10	4,070.92	10	3,718.53	10	3,359.57	10	3,000.61	10	2,641.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,394.59	1/4	4,063.79	1/4	3,711.05	1/4	3,352.09	1/4	2,993.13	1/4	2,634.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,387.97	1/2	4,056.65	1/2	3,703.58	1/2	3,344.61	1/2	2,985.65	1/2	2,626.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,381.31	3/4	4,049.48	3/4	3,696.10	3/4	3,337.13	3/4	2,978.17	3/4	2,619.21
11	11	11	11	11	11	11	11	11	4,374.66	11	4,042.31	11	3,688.62	11	3,329.66	11	2,970.69	11	2,611.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,368.00	1/4	4,035.13	1/4	3,681.14	1/4	3,322.18	1/4	2,963.21	1/4	2,604.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,361.35	1/2	4,027.96	1/2	3,673.66	1/2	3,314.70	1/2	2,955.74	1/2	2,596.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,354.66	3/4	4,020.75	3/4	3,666.18	3/4	3,307.22	3/4	2,948.26	3/4	2,589.29

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 50'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27769"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/18/2011 CL - SW
CALCULATED: 07/18/2011 CL
PRINTED: 07/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2011

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



BARGE "KIRBY 27769"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,690.30	0	4,375.91	0	4,042.62	0	3,688.40	0	3,329.53	0	2,970.65
1/4		1/4		1/4		1/4		1/4	4,683.18	1/4	4,369.22	1/4	4,035.42	1/4	3,680.92	1/4	3,322.05	1/4	2,963.18
1/2		1/2		1/2		1/2		1/2	4,676.06	1/2	4,362.53	1/2	4,028.21	1/2	3,673.44	1/2	3,314.57	1/2	2,955.70
3/4		3/4		3/4		3/4		3/4	4,668.95	3/4	4,355.84	3/4	4,021.01	3/4	3,665.97	3/4	3,307.10	3/4	2,948.22
1		1		1		1		1	4,661.83	1	4,349.15	1	4,013.80	1	3,658.49	1	3,299.62	1	2,940.75
1/4		1/4		1/4		1/4		1/4	4,655.25	1/4	4,342.43	1/4	4,006.56	1/4	3,651.02	1/4	3,292.14	1/4	2,933.27
1/2		1/2		1/2		1/2		1/2	4,648.68	1/2	4,335.71	1/2	3,999.32	1/2	3,643.54	1/2	3,284.67	1/2	2,925.79
3/4		3/4		3/4		3/4		3/4	4,642.10	3/4	4,328.98	3/4	3,992.07	3/4	3,636.06	3/4	3,277.19	3/4	2,918.32
2		2		2		2		2	4,635.53	2	4,322.26	2	3,984.83	2	3,628.59	2	3,269.71	2	2,910.84
1/4		1/4		1/4		1/4		1/4	4,629.20	1/4	4,315.49	1/4	3,977.55	1/4	3,621.11	1/4	3,262.24	1/4	2,903.36
1/2		1/2		1/2		1/2		1/2	4,622.87	1/2	4,308.73	1/2	3,970.27	1/2	3,613.63	1/2	3,254.76	1/2	2,895.89
3/4		3/4		3/4		3/4		3/4	4,616.54	3/4	4,301.97	3/4	3,963.00	3/4	3,606.16	3/4	3,247.28	3/4	2,888.41
3		3		3		3		3	4,610.21	3	4,295.21	3	3,955.72	3	3,598.68	3	3,239.81	3	2,880.94
1/4		1/4		1/4		1/4		1/4	4,603.85	1/4	4,288.39	1/4	3,948.40	1/4	3,591.20	1/4	3,232.33	1/4	2,873.46
1/2		1/2		1/2		1/2		1/2	4,597.48	1/2	4,281.58	1/2	3,941.09	1/2	3,583.73	1/2	3,224.85	1/2	2,865.98
3/4		3/4		3/4		3/4		3/4	4,591.12	3/4	4,274.76	3/4	3,933.78	3/4	3,576.25	3/4	3,217.38	3/4	2,858.51
4		4		4		4		4	4,584.76	4	4,267.94	4	3,926.46	4	3,568.77	4	3,209.90	4	2,851.03
1/4		1/4		1/4		1/4		1/4	4,578.36	1/4	4,261.04	1/4	3,919.11	1/4	3,561.30	1/4	3,202.42	1/4	2,843.55
1/2		1/2		1/2		1/2		1/2	4,571.96	1/2	4,254.15	1/2	3,911.76	1/2	3,553.82	1/2	3,194.95	1/2	2,836.08
3/4		3/4		3/4		3/4		3/4	4,565.56	3/4	4,247.25	3/4	3,904.41	3/4	3,546.34	3/4	3,187.47	3/4	2,828.60
5		5		5		5		5	4,559.16	5	4,240.35	5	3,897.06	5	3,538.87	5	3,180.00	5	2,821.12
1/4		1/4		1/4		1/4		1/4	4,552.72	1/4	4,233.40	1/4	3,889.67	1/4	3,531.39	1/4	3,172.52	1/4	2,813.65
1/2		1/2		1/2		1/2		1/2	4,546.28	1/2	4,226.45	1/2	3,882.29	1/2	3,523.91	1/2	3,165.04	1/2	2,806.17
3/4		3/4		3/4		3/4		3/4	4,539.85	3/4	4,219.49	3/4	3,874.90	3/4	3,516.44	3/4	3,157.57	3/4	2,798.69
6		6		6		6		6	4,533.41	6	4,212.54	6	3,867.52	6	3,508.96	6	3,150.09	6	2,791.22
1/4		1/4		1/4		1/4		1/4	4,526.94	1/4	4,205.55	1/4	3,860.09	1/4	3,501.48	1/4	3,142.61	1/4	2,783.74
1/2		1/2		1/2		1/2		1/2	4,520.47	1/2	4,198.56	1/2	3,852.67	1/2	3,494.01	1/2	3,135.14	1/2	2,776.26
3/4		3/4		3/4		3/4		3/4	4,513.99	3/4	4,191.57	3/4	3,845.25	3/4	3,486.53	3/4	3,127.66	3/4	2,768.79
7		7		7		7		7	4,507.52	7	4,184.58	7	3,837.83	7	3,479.06	7	3,120.18	7	2,761.31
1/4		1/4		1/4		1/4		1/4	4,501.01	1/4	4,177.56	1/4	3,830.37	1/4	3,471.58	1/4	3,112.71	1/4	2,753.83
1/2		1/2		1/2		1/2		1/2	4,494.50	1/2	4,170.53	1/2	3,822.92	1/2	3,464.10	1/2	3,105.23	1/2	2,746.36
3/4		3/4		3/4		3/4		3/4	4,488.00	3/4	4,163.50	3/4	3,815.46	3/4	3,456.63	3/4	3,097.75	3/4	2,738.88
8		8		8		8	4,795.33	8	4,481.49	8	4,156.48	8	3,808.01	8	3,449.15	8	3,090.28	8	2,731.41
1/4		1/4		1/4		1/4	4,790.12	1/4	4,474.94	1/4	4,149.42	1/4	3,800.54	1/4	3,441.67	1/4	3,082.80	1/4	2,723.93
1/2		1/2		1/2		1/2	4,784.91	1/2	4,468.40	1/2	4,142.35	1/2	3,793.06	1/2	3,434.20	1/2	3,075.32	1/2	2,716.45
3/4		3/4		3/4		3/4	4,779.70	3/4	4,461.85	3/4	4,135.29	3/4	3,785.59	3/4	3,426.72	3/4	3,067.85	3/4	2,708.98
9		9		9		9	4,774.49	9	4,455.31	9	4,128.23	9	3,778.12	9	3,419.24	9	3,060.37	9	2,701.50
1/4		1/4		1/4		1/4	4,768.05	1/4	4,448.73	1/4	4,121.13	1/4	3,770.64	1/4	3,411.77	1/4	3,052.89	1/4	2,694.02
1/2		1/2		1/2		1/2	4,761.61	1/2	4,442.15	1/2	4,114.04	1/2	3,763.16	1/2	3,404.29	1/2	3,045.42	1/2	2,686.55
3/4		3/4		3/4		3/4	4,755.17	3/4	4,435.57	3/4	4,106.94	3/4	3,755.69	3/4	3,396.81	3/4	3,037.94	3/4	2,679.07
10		10		10		10	4,748.74	10	4,428.99	10	4,099.84	10	3,748.21	10	3,389.34	10	3,030.47	10	2,671.59
1/4		1/4		1/4		1/4	4,741.52	1/4	4,422.37	1/4	4,092.71	1/4	3,740.73	1/4	3,381.86	1/4	3,022.99	1/4	2,664.12
1/2		1/2		1/2		1/2	4,734.30	1/2	4,415.75	1/2	4,085.57	1/2	3,733.26	1/2	3,374.38	1/2	3,015.51	1/2	2,656.64
3/4		3/4		3/4		3/4	4,727.08	3/4	4,409.14	3/4	4,078.44	3/4	3,725.78	3/4	3,366.91	3/4	3,008.04	3/4	2,649.16
11		11		11		11	4,719.87	11	4,402.52	11	4,071.30	11	3,718.30	11	3,359.43	11	3,000.56	11	2,641.69
1/4		1/4		1/4		1/4	4,712.47	1/4	4,395.87	1/4	4,064.13	1/4	3,710.83	1/4	3,351.95	1/4	2,993.08	1/4	2,634.21
1/2		1/2		1/2		1/2	4,705.08	1/2	4,389.22	1/2	4,056.96	1/2	3,703.35	1/2	3,344.48	1/2	2,985.61	1/2	2,626.73
3/4		3/4		3/4		3/4	4,697.69	3/4	4,382.56	3/4	4,049.79	3/4	3,695.87	3/4	3,337.00	3/4	2,978.13	3/4	2,619.26

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 50'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27769"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/18/2011 CL - SW
CALCULATED: 07/18/2011 CL
PRINTED: 07/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2011

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



BARGE "KIRBY 27769"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01 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	3,969.51	0	3,803.78	0	3,626.00	0	3,436.58	0	3,193.07	0	2,836.54
1/4		1/4		1/4		1/4		1/4	3,965.60	1/4	3,800.25	1/4	3,622.16	1/4	3,432.59	1/4	3,185.62	1/4	2,829.12
1/2		1/2		1/2		1/2		1/2	3,961.98	1/2	3,796.71	1/2	3,618.30	1/2	3,428.59	1/2	3,178.17	1/2	2,821.70
3/4		3/4		3/4		3/4		3/4	3,958.36	3/4	3,793.17	3/4	3,614.44	3/4	3,424.60	3/4	3,170.73	3/4	2,814.27
1		1		1		1		1	3,954.75	1	3,789.62	1	3,610.58	1	3,420.60	1	3,163.28	1	2,806.85
1/4		1/4		1/4		1/4		1/4	3,951.13	1/4	3,786.08	1/4	3,606.72	1/4	3,416.61	1/4	3,155.84	1/4	2,799.43
1/2		1/2		1/2		1/2		1/2	3,947.80	1/2	3,782.51	1/2	3,602.84	1/2	3,412.61	1/2	3,148.39	1/2	2,792.00
3/4		3/4		3/4		3/4		3/4	3,944.47	3/4	3,778.95	3/4	3,598.96	3/4	3,408.62	3/4	3,140.95	3/4	2,784.58
2		2		2		2		2	3,941.13	2	3,775.39	2	3,595.08	2	3,404.62	2	3,133.50	2	2,777.16
1/4		1/4		1/4		1/4		1/4	3,937.80	1/4	3,771.82	1/4	3,591.20	1/4	3,400.63	1/4	3,126.06	1/4	2,769.73
1/2		1/2		1/2		1/2		1/2	3,934.45	1/2	3,768.24	1/2	3,587.31	1/2	3,396.63	1/2	3,118.63	1/2	2,762.31
3/4		3/4		3/4		3/4		3/4	3,931.10	3/4	3,764.66	3/4	3,583.41	3/4	3,392.64	3/4	3,111.21	3/4	2,754.89
3		3		3		3		3	3,927.74	3	3,761.07	3	3,579.51	3	3,388.64	3	3,103.79	3	2,747.46
1/4		1/4		1/4		1/4		1/4	3,924.39	1/4	3,757.49	1/4	3,575.61	1/4	3,384.65	1/4	3,096.36	1/4	2,740.04
1/2		1/2		1/2		1/2		1/2	3,921.02	1/2	3,753.84	1/2	3,571.69	1/2	3,380.65	1/2	3,088.94	1/2	2,732.62
3/4		3/4		3/4		3/4		3/4	3,917.65	3/4	3,750.20	3/4	3,567.77	3/4	3,376.66	3/4	3,081.52	3/4	2,725.19
4		4		4		4		4	3,914.28	4	3,746.56	4	3,563.86	4	3,372.66	4	3,074.09	4	2,717.77
1/4		1/4		1/4		1/4		1/4	3,910.91	1/4	3,742.91	1/4	3,559.94	1/4	3,368.67	1/4	3,066.67	1/4	2,710.35
1/2		1/2		1/2		1/2		1/2	3,907.52	1/2	3,739.20	1/2	3,556.00	1/2	3,364.67	1/2	3,059.25	1/2	2,702.92
3/4		3/4		3/4		3/4		3/4	3,904.13	3/4	3,735.50	3/4	3,552.06	3/4	3,360.68	3/4	3,051.82	3/4	2,695.50
5		5		5		5		5	3,900.74	5	3,731.79	5	3,548.13	5	3,356.68	5	3,044.40	5	2,688.08
1/4		1/4		1/4		1/4		1/4	3,897.35	1/4	3,728.09	1/4	3,544.19	1/4	3,352.69	1/4	3,036.97	1/4	2,680.65
1/2		1/2		1/2		1/2		1/2	3,893.94	1/2	3,724.36	1/2	3,540.23	1/2	3,348.69	1/2	3,029.55	1/2	2,673.23
3/4		3/4		3/4		3/4		3/4	3,890.53	3/4	3,720.64	3/4	3,536.28	3/4	3,344.70	3/4	3,022.13	3/4	2,665.80
6		6		6		6		6	3,887.12	6	3,716.91	6	3,532.32	6	3,340.70	6	3,014.70	6	2,658.38
1/4		1/4		1/4		1/4		1/4	3,883.71	1/4	3,713.19	1/4	3,528.37	1/4	3,336.71	1/4	3,007.28	1/4	2,650.96
1/2		1/2		1/2		1/2		1/2	3,880.28	1/2	3,709.44	1/2	3,524.39	1/2	3,332.71	1/2	2,999.86	1/2	2,643.53
3/4		3/4		3/4		3/4		3/4	3,876.85	3/4	3,705.70	3/4	3,520.41	3/4	3,328.72	3/4	2,992.43	3/4	2,636.11
7		7		7		7		7	3,873.42	7	3,701.95	7	3,516.44	7	3,324.72	7	2,985.01	7	2,628.69
1/4		1/4		1/4		1/4		1/4	3,869.99	1/4	3,698.21	1/4	3,512.46	1/4	3,320.73	1/4	2,977.59	1/4	2,621.26
1/2		1/2		1/2		1/2		1/2	3,866.54	1/2	3,694.44	1/2	3,508.47	1/2	3,316.73	1/2	2,970.16	1/2	2,613.84
3/4		3/4		3/4		3/4		3/4	3,863.09	3/4	3,690.68	3/4	3,504.48	3/4	3,312.74	3/4	2,962.74	3/4	2,606.42
8		8		8		8		8	3,859.64	8	3,686.92	8	3,500.49	8	3,308.75	8	2,955.32	8	2,598.99
1/4		1/4		1/4		1/4	4,020.56	1/4	3,856.20	1/4	3,683.15	1/4	3,496.51	1/4	3,304.75	1/4	2,947.89	1/4	2,591.57
1/2		1/2		1/2		1/2	4,018.20	1/2	3,852.73	1/2	3,679.37	1/2	3,492.51	1/2	3,297.30	1/2	2,940.47	1/2	2,584.15
3/4		3/4		3/4		3/4	4,015.84	3/4	3,849.26	3/4	3,675.59	3/4	3,488.52	3/4	3,289.86	3/4	2,933.05	3/4	2,576.72
9		9		9		9	4,013.48	9	3,845.79	9	3,671.80	9	3,484.52	9	3,282.41	9	2,925.62	9	2,569.30
1/4		1/4		1/4		1/4	4,011.12	1/4	3,842.33	1/4	3,668.02	1/4	3,480.53	1/4	3,274.97	1/4	2,918.20	1/4	2,561.88
1/2		1/2		1/2		1/2	4,007.56	1/2	3,838.84	1/2	3,664.22	1/2	3,476.53	1/2	3,267.52	1/2	2,910.78	1/2	2,554.45
3/4		3/4		3/4		3/4	4,004.00	3/4	3,835.35	3/4	3,660.42	3/4	3,472.54	3/4	3,260.08	3/4	2,903.35	3/4	2,547.03
10		10		10		10	4,000.44	10	3,831.87	10	3,656.61	10	3,468.54	10	3,252.63	10	2,895.93	10	2,539.61
1/4		1/4		1/4		1/4	3,996.88	1/4	3,828.38	1/4	3,652.81	1/4	3,464.55	1/4	3,245.19	1/4	2,888.51	1/4	2,532.18
1/2		1/2		1/2		1/2	3,992.97	1/2	3,824.87	1/2	3,648.99	1/2	3,460.55	1/2	3,237.74	1/2	2,881.08	1/2	2,524.76
3/4		3/4		3/4		3/4	3,989.06	3/4	3,821.37	3/4	3,645.17	3/4	3,456.56	3/4	3,230.29	3/4	2,873.66	3/4	2,517.34
11		11		11		11	3,985.15	11	3,817.86	11	3,641.35	11	3,452.56	11	3,222.85	11	2,866.24	11	2,509.91
1/4		1/4		1/4		1/4	3,981.24	1/4	3,814.36	1/4	3,637.52	1/4	3,448.57	1/4	3,215.40	1/4	2,858.81	1/4	2,502.49
1/2		1/2		1/2		1/2	3,977.33	1/2	3,810.83	1/2	3,633.68	1/2	3,444.57	1/2	3,207.96	1/2	2,851.39	1/2	2,495.07
3/4		3/4		3/4		3/4	3,973.42	3/4	3,807.31	3/4	3,629.84	3/4	3,440.58	3/4	3,200.51	3/4	2,843.97	3/4	2,487.64

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 56'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27769"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01 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	2,480.22	0	2,123.90	0	1,767.57	0	1,411.68	0	1,061.24	0	715.88	0	370.82	0	54.89	0		0	
1/4	2,472.80	1/4	2,116.47	1/4	1,760.15	1/4	1,404.28	1/4	1,054.05	1/4	708.66	1/4	363.41	1/4	52.71	1/4		1/4	
1/2	2,465.37	1/2	2,109.05	1/2	1,752.72	1/2	1,397.04	1/2	1,046.86	1/2	701.44	1/2	356.01	1/2	51.36	1/2		1/2	
3/4	2,457.95	3/4	2,101.63	3/4	1,745.30	3/4	1,389.80	3/4	1,039.68	3/4	694.23	3/4	348.61	3/4	50.01	3/4		3/4	
1	2,450.53	1	2,094.20	1	1,737.87	1	1,382.56	1	1,032.49	1	687.01	1	341.21	1	48.66	1		1	
1/4	2,443.10	1/4	2,086.78	1/4	1,730.45	1/4	1,375.33	1/4	1,025.30	1/4	679.79	1/4	333.81	1/4	47.31	1/4		1/4	
1/2	2,435.68	1/2	2,079.36	1/2	1,723.03	1/2	1,368.06	1/2	1,018.12	1/2	672.57	1/2	326.42	1/2	46.80	1/2		1/2	
3/4	2,428.26	3/4	2,071.93	3/4	1,715.60	3/4	1,360.80	3/4	1,010.93	3/4	665.35	3/4	319.02	3/4	46.29	3/4		3/4	
2	2,420.83	2	2,064.51	2	1,708.18	2	1,353.54	2	1,003.74	2	658.14	2	311.62	2		2		2	
1/4	2,413.41	1/4	2,057.09	1/4	1,700.76	1/4	1,346.28	1/4	996.56	1/4	650.92	1/4	304.22	1/4		1/4		1/4	
1/2	2,405.99	1/2	2,049.66	1/2	1,693.33	1/2	1,339.01	1/2	989.37	1/2	643.70	1/2	296.81	1/2		1/2		1/2	
3/4	2,398.56	3/4	2,042.24	3/4	1,685.91	3/4	1,331.75	3/4	982.18	3/4	636.48	3/4	289.39	3/4		3/4		3/4	
3	2,391.14	3	2,034.82	3	1,678.48	3	1,324.49	3	975.00	3	629.27	3	281.98	3		3		3	
1/4	2,383.72	1/4	2,027.39	1/4	1,671.06	1/4	1,317.23	1/4	967.81	1/4	622.05	1/4	274.57	1/4		1/4		1/4	
1/2	2,376.29	1/2	2,019.97	1/2	1,663.64	1/2	1,309.96	1/2	960.62	1/2	614.83	1/2	267.14	1/2		1/2		1/2	
3/4	2,368.87	3/4	2,012.55	3/4	1,656.21	3/4	1,302.70	3/4	953.44	3/4	607.61	3/4	259.71	3/4		3/4		3/4	
4	2,361.45	4	2,005.12	4	1,648.79	4	1,295.44	4	946.25	4	600.39	4	252.29	4		4		4	
1/4	2,354.02	1/4	1,997.70	1/4	1,641.37	1/4	1,288.18	1/4	939.06	1/4	593.18	1/4	244.86	1/4		1/4		1/4	
1/2	2,346.60	1/2	1,990.28	1/2	1,633.94	1/2	1,280.91	1/2	931.88	1/2	585.96	1/2	237.43	1/2		1/2		1/2	
3/4	2,339.18	3/4	1,982.85	3/4	1,626.52	3/4	1,273.65	3/4	924.69	3/4	578.74	3/4	230.01	3/4		3/4		3/4	
5	2,331.75	5	1,975.43	5	1,619.10	5	1,266.39	5	917.50	5	571.52	5	222.58	5		5		5	
1/4	2,324.33	1/4	1,968.01	1/4	1,611.67	1/4	1,259.12	1/4	910.32	1/4	564.31	1/4	215.15	1/4		1/4		1/4	
1/2	2,316.91	1/2	1,960.58	1/2	1,604.25	1/2	1,251.88	1/2	903.13	1/2	556.88	1/2	207.72	1/2		1/2		1/2	
3/4	2,309.48	3/4	1,953.16	3/4	1,596.82	3/4	1,244.63	3/4	895.94	3/4	549.45	3/4	200.30	3/4		3/4		3/4	
6	2,302.06	6	1,945.74	6	1,589.40	6	1,237.38	6	888.75	6	542.02	6	192.87	6		6		6	
1/4	2,294.63	1/4	1,938.31	1/4	1,581.98	1/4	1,230.14	1/4	881.56	1/4	534.59	1/4	185.44	1/4		1/4		1/4	
1/2	2,287.21	1/2	1,930.89	1/2	1,574.55	1/2	1,222.73	1/2	874.37	1/2	527.16	1/2	178.01	1/2		1/2		1/2	
3/4	2,279.79	3/4	1,923.46	3/4	1,567.13	3/4	1,215.32	3/4	867.18	3/4	519.73	3/4	170.59	3/4		3/4		3/4	
7	2,272.36	7	1,916.04	7	1,559.71	7	1,207.91	7	859.99	7	512.31	7	163.16	7		7		7	
1/4	2,264.94	1/4	1,908.62	1/4	1,552.28	1/4	1,200.51	1/4	852.81	1/4	504.88	1/4	155.73	1/4		1/4		1/4	
1/2	2,257.52	1/2	1,901.19	1/2	1,544.88	1/2	1,193.10	1/2	845.62	1/2	497.45	1/2	148.32	1/2		1/2		1/2	
3/4	2,250.09	3/4	1,893.77	3/4	1,537.48	3/4	1,185.69	3/4	838.43	3/4	490.02	3/4	140.91	3/4		3/4		3/4	
8	2,242.67	8	1,886.35	8	1,530.08	8	1,178.28	8	831.24	8	482.59	8	133.49	8		8		8	
1/4	2,235.25	1/4	1,878.92	1/4	1,522.68	1/4	1,170.87	1/4	824.05	1/4	475.16	1/4	126.08	1/4		1/4		1/4	
1/2	2,227.82	1/2	1,871.50	1/2	1,515.28	1/2	1,163.46	1/2	816.86	1/2	468.17	1/2	119.30	1/2		1/2		1/2	
3/4	2,220.40	3/4	1,864.08	3/4	1,507.88	3/4	1,156.06	3/4	809.66	3/4	461.19	3/4	112.53	3/4		3/4		3/4	
9	2,212.98	9	1,856.65	9	1,500.48	9	1,148.65	9	802.47	9	454.20	9	105.75	9		9		9	
1/4	2,205.55	1/4	1,849.23	1/4	1,493.08	1/4	1,141.24	1/4	795.27	1/4	447.21	1/4	98.97	1/4		1/4		1/4	
1/2	2,198.13	1/2	1,841.81	1/2	1,485.68	1/2	1,133.83	1/2	788.06	1/2	440.66	1/2	93.44	1/2		1/2		1/2	
3/4	2,190.71	3/4	1,834.38	3/4	1,478.28	3/4	1,126.42	3/4	780.84	3/4	434.11	3/4	87.91	3/4		3/4		3/4	
10	2,183.28	10	1,826.96	10	1,470.88	10	1,119.01	10	773.62	10	427.56	10	82.37	10		10		10	
1/4	2,175.86	1/4	1,819.53	1/4	1,463.48	1/4	1,111.61	1/4	766.40	1/4	421.01	1/4	76.84	1/4		1/4		1/4	
1/2	2,168.44	1/2	1,812.11	1/2	1,456.08	1/2	1,104.41	1/2	759.19	1/2	414.03	1/2	72.98	1/2		1/2		1/2	
3/4	2,161.01	3/4	1,804.69	3/4	1,448.68	3/4	1,097.21	3/4	751.97	3/4	407.04	3/4	69.13	3/4		3/4		3/4	
11	2,153.59	11	1,797.26	11	1,441.28	11	1,090.01	11	744.75	11	400.05	11	65.27	11		11		11	
1/4	2,146.17	1/4	1,789.84	1/4	1,433.88	1/4	1,082.81	1/4	737.53	1/4	393.06	1/4	61.41	1/4		1/4		1/4	
1/2	2,138.74	1/2	1,782.42	1/2	1,426.48	1/2	1,075.62	1/2	730.31	1/2	385.65	1/2	59.24	1/2		1/2		1/2	
3/4	2,131.32	3/4	1,774.99	3/4	1,419.08	3/4	1,068.43	3/4	723.10	3/4	378.23	3/4	57.06	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/18/2011 CL - SW
CALCULATED: 07/18/2011 CL
PRINTED: 07/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2011

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



BARGE "KIRBY 27769"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02"

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

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 56'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27769"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02"

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	2,512.34	0	2,154.85	0	1,797.36	0	1,439.87	0	1,086.29	0	729.86	0	379.41	0	57.27	0		0	
1/4	2,504.89	1/4	2,147.40	1/4	1,789.92	1/4	1,432.42	1/4	1,078.87	1/4	722.41	1/4	371.97	1/4	55.08	1/4		1/4	
1/2	2,497.44	1/2	2,139.96	1/2	1,782.47	1/2	1,424.97	1/2	1,071.45	1/2	714.96	1/2	364.54	1/2	52.88	1/2		1/2	
3/4	2,489.99	3/4	2,132.51	3/4	1,775.02	3/4	1,417.69	3/4	1,064.03	3/4	707.51	3/4	357.12	3/4	51.51	3/4		3/4	
1	2,482.54	1	2,125.06	1	1,767.57	1	1,410.40	1	1,056.61	1	700.06	1	349.70	1	50.14	1		1	
1/4	2,475.10	1/4	2,117.61	1/4	1,760.12	1/4	1,403.12	1/4	1,049.19	1/4	692.62	1/4	342.29	1/4	48.77	1/4		1/4	
1/2	2,467.65	1/2	2,110.16	1/2	1,752.68	1/2	1,395.83	1/2	1,041.77	1/2	685.17	1/2	334.87	1/2	47.40	1/2		1/2	
3/4	2,460.20	3/4	2,102.72	3/4	1,745.23	3/4	1,388.54	3/4	1,034.35	3/4	677.72	3/4	327.45	3/4	46.87	3/4		3/4	
2	2,452.75	2	2,095.27	2	1,737.78	2	1,381.26	2	1,026.93	2	670.27	2	320.03	2	46.34	2		2	
1/4	2,445.31	1/4	2,087.82	1/4	1,730.33	1/4	1,373.97	1/4	1,019.51	1/4	662.82	1/4	312.61	1/4		1/4		1/4	
1/2	2,437.86	1/2	2,080.37	1/2	1,722.88	1/2	1,366.69	1/2	1,012.09	1/2	655.38	1/2	305.19	1/2		1/2		1/2	
3/4	2,430.41	3/4	2,072.93	3/4	1,715.44	3/4	1,359.40	3/4	1,004.67	3/4	647.93	3/4	297.76	3/4		3/4		3/4	
3	2,422.96	3	2,065.48	3	1,707.99	3	1,352.11	3	997.25	3	640.48	3	290.33	3		3		3	
1/4	2,415.52	1/4	2,058.03	1/4	1,700.54	1/4	1,344.83	1/4	989.83	1/4	633.03	1/4	282.90	1/4		1/4		1/4	
1/2	2,408.07	1/2	2,050.58	1/2	1,693.09	1/2	1,337.54	1/2	982.42	1/2	625.58	1/2	275.46	1/2		1/2		1/2	
3/4	2,400.62	3/4	2,043.14	3/4	1,685.65	3/4	1,330.26	3/4	975.00	3/4	618.14	3/4	268.02	3/4		3/4		3/4	
4	2,393.17	4	2,035.69	4	1,678.20	4	1,322.97	4	967.58	4	610.69	4	260.57	4		4		4	
1/4	2,385.73	1/4	2,028.24	1/4	1,670.75	1/4	1,315.69	1/4	960.16	1/4	603.24	1/4	253.12	1/4		1/4		1/4	
1/2	2,378.28	1/2	2,020.79	1/2	1,663.30	1/2	1,308.40	1/2	952.74	1/2	595.79	1/2	245.67	1/2		1/2		1/2	
3/4	2,370.83	3/4	2,013.35	3/4	1,655.85	3/4	1,301.11	3/4	945.32	3/4	588.34	3/4	238.23	3/4		3/4		3/4	
5	2,363.38	5	2,005.90	5	1,648.41	5	1,293.83	5	937.90	5	580.90	5	230.78	5		5		5	
1/4	2,355.94	1/4	1,998.45	1/4	1,640.96	1/4	1,286.54	1/4	930.48	1/4	573.45	1/4	223.33	1/4		1/4		1/4	
1/2	2,348.49	1/2	1,991.00	1/2	1,633.51	1/2	1,279.25	1/2	923.06	1/2	566.00	1/2	215.88	1/2		1/2		1/2	
3/4	2,341.04	3/4	1,983.56	3/4	1,626.06	3/4	1,271.97	3/4	915.64	3/4	558.55	3/4	208.44	3/4		3/4		3/4	
6	2,333.59	6	1,976.11	6	1,618.62	6	1,264.68	6	908.22	6	551.10	6	200.99	6		6		6	
1/4	2,326.15	1/4	1,968.66	1/4	1,611.17	1/4	1,257.39	1/4	900.80	1/4	543.65	1/4	193.54	1/4		1/4		1/4	
1/2	2,318.70	1/2	1,961.21	1/2	1,603.72	1/2	1,250.11	1/2	893.38	1/2	536.20	1/2	186.09	1/2		1/2		1/2	
3/4	2,311.25	3/4	1,953.77	3/4	1,596.27	3/4	1,242.66	3/4	885.97	3/4	528.76	3/4	178.65	3/4		3/4		3/4	
7	2,303.80	7	1,946.32	7	1,588.82	7	1,235.21	7	878.55	7	521.31	7	171.20	7		7		7	
1/4	2,296.35	1/4	1,938.87	1/4	1,581.38	1/4	1,227.76	1/4	871.13	1/4	513.86	1/4	163.75	1/4		1/4		1/4	
1/2	2,288.91	1/2	1,931.42	1/2	1,573.93	1/2	1,220.31	1/2	863.71	1/2	506.41	1/2	156.30	1/2		1/2		1/2	
3/4	2,281.46	3/4	1,923.97	3/4	1,566.48	3/4	1,212.87	3/4	856.29	3/4	498.96	3/4	148.87	3/4		3/4		3/4	
8	2,274.01	8	1,916.53	8	1,559.03	8	1,205.42	8	848.87	8	491.51	8	141.44	8		8		8	
1/4	2,266.56	1/4	1,909.08	1/4	1,551.59	1/4	1,197.97	1/4	841.45	1/4	484.06	1/4	134.01	1/4		1/4		1/4	
1/2	2,259.12	1/2	1,901.63	1/2	1,544.14	1/2	1,190.52	1/2	834.03	1/2	476.62	1/2	126.57	1/2		1/2		1/2	
3/4	2,251.67	3/4	1,894.18	3/4	1,536.69	3/4	1,183.07	3/4	826.61	3/4	469.61	3/4	119.78	3/4		3/4		3/4	
9	2,244.22	9	1,886.74	9	1,529.24	9	1,175.62	9	819.18	9	462.60	9	112.98	9		9		9	
1/4	2,236.77	1/4	1,879.29	1/4	1,521.79	1/4	1,168.18	1/4	811.76	1/4	455.59	1/4	106.18	1/4		1/4		1/4	
1/2	2,229.33	1/2	1,871.84	1/2	1,514.35	1/2	1,160.73	1/2	804.34	1/2	448.58	1/2	99.38	1/2		1/2		1/2	
3/4	2,221.88	3/4	1,864.39	3/4	1,506.90	3/4	1,153.28	3/4	796.89	3/4	442.01	3/4	93.83	3/4		3/4		3/4	
10	2,214.43	10	1,856.95	10	1,499.45	10	1,145.83	10	789.44	10	435.44	10	88.28	10		10		10	
1/4	2,206.98	1/4	1,849.50	1/4	1,492.00	1/4	1,138.38	1/4	781.99	1/4	428.88	1/4	82.73	1/4		1/4		1/4	
1/2	2,199.54	1/2	1,842.05	1/2	1,484.56	1/2	1,130.93	1/2	774.55	1/2	422.31	1/2	77.17	1/2		1/2		1/2	
3/4	2,192.09	3/4	1,834.60	3/4	1,477.11	3/4	1,123.49	3/4	767.10	3/4	415.30	3/4	73.30	3/4		3/4		3/4	
11	2,184.64	11	1,827.15	11	1,469.66	11	1,116.04	11	759.65	11	408.29	11	69.42	11		11		11	
1/4	2,177.19	1/4	1,819.71	1/4	1,462.21	1/4	1,108.59	1/4	752.20	1/4	401.28	1/4	65.54	1/4		1/4		1/4	
1/2	2,169.75	1/2	1,812.26	1/2	1,454.76	1/2	1,101.14	1/2	744.75	1/2	394.27	1/2	61.67	1/2		1/2		1/2	
3/4	2,162.30	3/4	1,804.81	3/4	1,447.32	3/4	1,093.72	3/4	737.31	3/4	386.84	3/4	59.47	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/18/2011 CL - SW
CALCULATED: 07/18/2011 CL
PRINTED: 07/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 27769"

INNAGE TRIM TABLE 2" STANDPIPE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-1/2	00-1/2	- 00-3/4	00-3/4
2 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-2/4	00-2/4	- 00-1/2	00-1/2	- 00-1/2	00-1/2	- 00-3/4	00-3/4
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"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

October 30, 2021

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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BARGE "KIRBY 27769"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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	309.88	0	672.27	0	1,048.54	0	1,424.83	0	1,802.35	0	2,180.09	0	2,557.81	0	2,935.54	0	3,313.26
1/4	11.90	1/4	317.12	1/4	680.14	1/4	1,056.35	1/4	1,432.67	1/4	1,810.22	1/4	2,187.96	1/4	2,565.68	1/4	2,943.41	1/4	3,321.13
1/2	15.28	1/2	324.36	1/2	688.01	1/2	1,064.16	1/2	1,440.52	1/2	1,818.09	1/2	2,195.82	1/2	2,573.55	1/2	2,951.28	1/2	3,329.00
3/4	20.67	3/4	331.69	3/4	695.88	3/4	1,071.98	3/4	1,448.36	3/4	1,825.96	3/4	2,203.69	3/4	2,581.42	3/4	2,959.15	3/4	3,336.87
1	26.07	1	339.01	1	703.75	1	1,079.79	1	1,456.20	1	1,833.83	1	2,211.56	1	2,589.29	1	2,967.02	1	3,344.74
1/4	31.46	1/4	346.34	1/4	711.62	1/4	1,087.60	1/4	1,464.04	1/4	1,841.70	1/4	2,219.43	1/4	2,597.16	1/4	2,974.88	1/4	3,352.61
1/2	36.86	1/2	353.67	1/2	719.49	1/2	1,095.41	1/2	1,471.88	1/2	1,849.57	1/2	2,227.30	1/2	2,605.03	1/2	2,982.75	1/2	3,360.48
3/4	42.75	3/4	361.09	3/4	727.36	3/4	1,103.22	3/4	1,479.74	3/4	1,857.44	3/4	2,235.17	3/4	2,612.90	3/4	2,990.62	3/4	3,368.35
2	48.65	2	368.52	2	735.23	2	1,111.04	2	1,487.60	2	1,865.31	2	2,243.04	2	2,620.77	2	2,998.49	2	3,376.22
1/4	54.54	1/4	375.94	1/4	743.10	1/4	1,118.85	1/4	1,495.45	1/4	1,873.18	1/4	2,250.91	1/4	2,628.64	1/4	3,006.36	1/4	3,384.09
1/2	60.44	1/2	383.37	1/2	750.97	1/2	1,126.66	1/2	1,503.31	1/2	1,881.05	1/2	2,258.78	1/2	2,636.51	1/2	3,014.23	1/2	3,391.96
3/4	66.01	3/4	390.90	3/4	758.84	3/4	1,134.47	3/4	1,511.18	3/4	1,888.92	3/4	2,266.65	3/4	2,644.37	3/4	3,022.10	3/4	3,399.83
3	71.58	3	398.44	3	766.71	3	1,142.29	3	1,519.05	3	1,896.79	3	2,274.52	3	2,652.24	3	3,029.97	3	3,407.70
1/4	77.15	1/4	405.98	1/4	774.58	1/4	1,150.10	1/4	1,526.92	1/4	1,904.66	1/4	2,282.39	1/4	2,660.11	1/4	3,037.84	1/4	3,415.57
1/2	82.72	1/2	413.51	1/2	782.45	1/2	1,157.91	1/2	1,534.79	1/2	1,912.53	1/2	2,290.26	1/2	2,667.98	1/2	3,045.71	1/2	3,423.44
3/4	88.40	3/4	420.93	3/4	790.32	3/4	1,165.74	3/4	1,542.66	3/4	1,920.40	3/4	2,298.13	3/4	2,675.85	3/4	3,053.58	3/4	3,431.30
4	94.09	4	428.36	4	798.19	4	1,173.57	4	1,550.53	4	1,928.27	4	2,305.99	4	2,683.72	4	3,061.45	4	3,439.17
1/4	99.78	1/4	435.78	1/4	806.06	1/4	1,181.40	1/4	1,558.39	1/4	1,936.14	1/4	2,313.86	1/4	2,691.59	1/4	3,069.32	1/4	3,447.04
1/2	105.46	1/2	443.20	1/2	813.93	1/2	1,189.23	1/2	1,566.26	1/2	1,944.01	1/2	2,321.73	1/2	2,699.46	1/2	3,077.19	1/2	3,454.91
3/4	111.72	3/4	450.27	3/4	821.79	3/4	1,197.08	3/4	1,574.13	3/4	1,951.87	3/4	2,329.60	3/4	2,707.33	3/4	3,085.06	3/4	3,462.78
5	117.97	5	457.34	5	829.64	5	1,204.94	5	1,582.00	5	1,959.74	5	2,337.47	5	2,715.20	5	3,092.92	5	3,470.65
1/4	124.23	1/4	464.41	1/4	837.50	1/4	1,212.79	1/4	1,589.87	1/4	1,967.61	1/4	2,345.34	1/4	2,723.07	1/4	3,100.79	1/4	3,478.52
1/2	130.48	1/2	471.48	1/2	845.35	1/2	1,220.65	1/2	1,597.74	1/2	1,975.48	1/2	2,353.21	1/2	2,730.94	1/2	3,108.66	1/2	3,486.39
3/4	137.07	3/4	478.62	3/4	853.18	3/4	1,228.52	3/4	1,605.61	3/4	1,983.35	3/4	2,361.08	3/4	2,738.81	3/4	3,116.53	3/4	3,494.26
6	143.66	6	485.77	6	861.01	6	1,236.39	6	1,613.48	6	1,991.22	6	2,368.95	6	2,746.68	6	3,124.40	6	3,502.13
1/4	150.25	1/4	492.91	1/4	868.84	1/4	1,244.26	1/4	1,621.35	1/4	1,999.09	1/4	2,376.82	1/4	2,754.54	1/4	3,132.27	1/4	3,510.00
1/2	156.84	1/2	500.06	1/2	876.67	1/2	1,252.13	1/2	1,629.22	1/2	2,006.96	1/2	2,384.69	1/2	2,762.41	1/2	3,140.14	1/2	3,517.87
3/4	163.55	3/4	507.70	3/4	884.48	3/4	1,260.00	3/4	1,637.09	3/4	2,014.83	3/4	2,392.56	3/4	2,770.28	3/4	3,148.01	3/4	3,525.74
7	170.25	7	515.34	7	892.30	7	1,267.87	7	1,644.96	7	2,022.70	7	2,400.43	7	2,778.15	7	3,155.88	7	3,533.61
1/4	176.95	1/4	522.97	1/4	900.11	1/4	1,275.74	1/4	1,652.83	1/4	2,030.57	1/4	2,408.30	1/4	2,786.02	1/4	3,163.75	1/4	3,541.47
1/2	183.66	1/2	530.61	1/2	907.92	1/2	1,283.61	1/2	1,660.70	1/2	2,038.44	1/2	2,416.16	1/2	2,793.89	1/2	3,171.62	1/2	3,549.34
3/4	190.48	3/4	538.48	3/4	915.74	3/4	1,291.47	3/4	1,668.57	3/4	2,046.31	3/4	2,424.03	3/4	2,801.76	3/4	3,179.49	3/4	3,557.21
8	197.30	8	546.35	8	923.55	8	1,299.32	8	1,676.44	8	2,054.18	8	2,431.90	8	2,809.63	8	3,187.36	8	3,565.08
1/4	204.13	1/4	554.22	1/4	931.36	1/4	1,307.18	1/4	1,684.31	1/4	2,062.05	1/4	2,439.77	1/4	2,817.50	1/4	3,195.23	1/4	3,572.95
1/2	210.95	1/2	562.09	1/2	939.17	1/2	1,315.04	1/2	1,692.18	1/2	2,069.92	1/2	2,447.64	1/2	2,825.37	1/2	3,203.09	1/2	3,580.82
3/4	217.88	3/4	569.96	3/4	946.98	3/4	1,322.88	3/4	1,700.05	3/4	2,077.78	3/4	2,455.51	3/4	2,833.24	3/4	3,210.96	3/4	3,588.69
9	224.82	9	577.83	9	954.80	9	1,330.72	9	1,707.92	9	2,085.65	9	2,463.38	9	2,841.11	9	3,218.83	9	3,596.56
1/4	231.75	1/4	585.70	1/4	962.61	1/4	1,338.57	1/4	1,715.79	1/4	2,093.52	1/4	2,471.25	1/4	2,848.98	1/4	3,226.70	1/4	3,604.43
1/2	238.69	1/2	593.57	1/2	970.42	1/2	1,346.41	1/2	1,723.66	1/2	2,101.39	1/2	2,479.12	1/2	2,856.85	1/2	3,234.57	1/2	3,612.30
3/4	245.72	3/4	601.44	3/4	978.23	3/4	1,354.25	3/4	1,731.53	3/4	2,109.26	3/4	2,486.99	3/4	2,864.71	3/4	3,242.44	3/4	3,620.17
10	252.76	10	609.31	10	986.04	10	1,362.09	10	1,739.40	10	2,117.13	10	2,494.86	10	2,872.58	10	3,250.31	10	3,628.04
1/4	259.80	1/4	617.19	1/4	993.86	1/4	1,369.94	1/4	1,747.27	1/4	2,125.00	1/4	2,502.73	1/4	2,880.45	1/4	3,258.18	1/4	3,635.91
1/2	266.84	1/2	625.06	1/2	1,001.67	1/2	1,377.78	1/2	1,755.13	1/2	2,132.87	1/2	2,510.60	1/2	2,888.32	1/2	3,266.05	1/2	3,643.78
3/4	273.98	3/4	632.93	3/4	1,009.48	3/4	1,385.62	3/4	1,763.00	3/4	2,140.74	3/4	2,518.47	3/4	2,896.19	3/4	3,273.92	3/4	3,651.64
11	281.12	11	640.79	11	1,017.29	11	1,393.46	11	1,770.87	11	2,148.61	11	2,526.33	11	2,904.06	11	3,281.79	11	3,659.51
1/4	288.26	1/4	648.66	1/4	1,025.10	1/4	1,401.31	1/4	1,778.74	1/4	2,156.48	1/4	2,534.20	1/4	2,911.93	1/4	3,289.66	1/4	3,667.38
1/2	295.40	1/2	656.53	1/2	1,032.92	1/2	1,409.15	1/2	1,786.61	1/2	2,164.35	1/2	2,542.07	1/2	2,919.80	1/2	3,297.53	1/2	3,675.25
3/4	302.64	3/4	664.40	3/4	1,040.73	3/4	1,416.99	3/4	1,794.48	3/4	2,172.22	3/4	2,549.94	3/4	2,927.67	3/4	3,305.40	3/4	3,683.12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK 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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "KIRBY 27769"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,690.99	0	4,067.14	0	4,425.53	0	4,758.26	0		0		0		0		0		0	
1/4	3,698.86	1/4	4,074.84	1/4	4,432.71	1/4	4,764.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,706.73	1/2	4,082.53	1/2	4,439.89	1/2	4,771.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,714.60	3/4	4,090.19	3/4	4,447.01	3/4	4,778.33	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,722.47	1	4,097.86	1	4,454.13	1	4,784.99	1		1		1		1		1		1	
1/4	3,730.34	1/4	4,105.52	1/4	4,461.25	1/4	4,791.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,738.21	1/2	4,113.18	1/2	4,468.37	1/2	4,798.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,746.08	3/4	4,120.80	3/4	4,475.45	3/4	4,805.25	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,753.95	2	4,128.42	2	4,482.54	2	4,812.18	2		2		2		2		2		2	
1/4	3,761.81	1/4	4,136.04	1/4	4,489.62	1/4	4,819.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,769.68	1/2	4,143.67	1/2	4,496.70	1/2	4,826.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,777.55	3/4	4,151.25	3/4	4,503.75	3/4	4,833.52	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,785.42	3	4,158.84	3	4,510.79	3	4,841.02	3		3		3		3		3		3	
1/4	3,793.29	1/4	4,166.42	1/4	4,517.84	1/4	4,848.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,801.16	1/2	4,174.01	1/2	4,524.88	1/2	4,856.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,809.03	3/4	4,181.55	3/4	4,531.89	3/4	4,863.80	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,816.90	4	4,189.10	4	4,538.89	4	4,871.58	4		4		4		4		4		4	
1/4	3,824.77	1/4	4,196.65	1/4	4,545.90	1/4	4,879.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,832.64	1/2	4,204.19	1/2	4,552.91	1/2	4,887.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,840.51	3/4	4,211.70	3/4	4,559.88	3/4	4,894.75	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,848.38	5	4,219.21	5	4,566.85	5	4,902.35	5		5		5		5		5		5	
1/4	3,856.25	1/4	4,226.72	1/4	4,573.81	1/4	4,909.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,864.12	1/2	4,234.23	1/2	4,580.78	1/2	4,917.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,871.99	3/4	4,241.70	3/4	4,587.71	3/4	4,924.33	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,879.85	6	4,249.17	6	4,594.65	6	4,931.11	6		6		6		6		6		6	
1/4	3,887.72	1/4	4,256.64	1/4	4,601.58	1/4	4,937.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,895.59	1/2	4,264.11	1/2	4,608.51	1/2	4,944.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,903.46	3/4	4,271.55	3/4	4,615.40	3/4	4,950.16	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,911.33	7	4,278.98	7	4,622.29	7	4,955.65	7		7		7		7		7		7	
1/4	3,919.20	1/4	4,286.41	1/4	4,629.19	1/4	4,961.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,927.06	1/2	4,293.84	1/2	4,636.08	1/2	4,966.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,934.91	3/4	4,301.24	3/4	4,642.93	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,942.75	8	4,308.63	8	4,649.79	8		8		8		8		8		8		8	
1/4	3,950.60	1/4	4,316.03	1/4	4,656.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,958.45	1/2	4,323.42	1/2	4,663.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,966.26	3/4	4,330.78	3/4	4,670.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,974.07	9	4,338.14	9	4,677.13	9		9		9		9		9		9		9	
1/4	3,981.88	1/4	4,345.49	1/4	4,683.95	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,989.70	1/2	4,352.85	1/2	4,690.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,997.47	3/4	4,360.17	3/4	4,697.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	4,005.24	10	4,367.49	10	4,704.33	10		10		10		10		10		10		10	
1/4	4,013.02	1/4	4,374.81	1/4	4,711.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,020.79	1/2	4,382.13	1/2	4,717.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,028.53	3/4	4,389.39	3/4	4,724.63	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,036.27	11	4,396.65	11	4,731.37	11		11		11		11		11		11		11	
1/4	4,044.00	1/4	4,403.91	1/4	4,738.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,051.74	1/2	4,411.17	1/2	4,744.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,059.44	3/4	4,418.35	3/4	4,751.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/10/2011 CL - SW
 RECALCULATED: 10/30/2021 PMA
 REPRINTED: 10/30/2021 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 27769"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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	309.92	0	672.32	0	1,049.40	0	1,426.27	0	1,803.79	0	2,181.53	0	2,559.26	0	2,936.99	0	3,314.72
1/4	11.91	1/4	317.16	1/4	680.19	1/4	1,057.24	1/4	1,434.11	1/4	1,811.66	1/4	2,189.40	1/4	2,567.13	1/4	2,944.86	1/4	3,322.59
1/2	15.29	1/2	324.40	1/2	688.06	1/2	1,065.08	1/2	1,441.96	1/2	1,819.53	1/2	2,197.27	1/2	2,575.00	1/2	2,952.73	1/2	3,330.46
3/4	20.68	3/4	331.73	3/4	695.93	3/4	1,072.92	3/4	1,449.80	3/4	1,827.40	3/4	2,205.14	3/4	2,582.87	3/4	2,960.60	3/4	3,338.33
1	26.08	1	339.05	1	703.80	1	1,080.76	1	1,457.64	1	1,835.27	1	2,213.01	1	2,590.74	1	2,968.47	1	3,346.20
1/4	31.47	1/4	346.38	1/4	711.67	1/4	1,088.60	1/4	1,465.48	1/4	1,843.14	1/4	2,220.88	1/4	2,598.61	1/4	2,976.34	1/4	3,354.07
1/2	36.87	1/2	353.71	1/2	719.54	1/2	1,096.44	1/2	1,473.33	1/2	1,851.01	1/2	2,228.74	1/2	2,606.48	1/2	2,984.21	1/2	3,361.94
3/4	42.76	3/4	361.13	3/4	727.41	3/4	1,104.28	3/4	1,481.18	3/4	1,858.88	3/4	2,236.61	3/4	2,614.35	3/4	2,992.08	3/4	3,369.81
2	48.66	2	368.56	2	735.28	2	1,112.12	2	1,489.04	2	1,866.75	2	2,244.48	2	2,622.21	2	2,999.95	2	3,377.68
1/4	54.56	1/4	375.98	1/4	743.15	1/4	1,119.97	1/4	1,496.89	1/4	1,874.62	1/4	2,252.35	1/4	2,630.08	1/4	3,007.82	1/4	3,385.55
1/2	60.46	1/2	383.41	1/2	751.02	1/2	1,127.81	1/2	1,504.75	1/2	1,882.49	1/2	2,260.22	1/2	2,637.95	1/2	3,015.68	1/2	3,393.42
3/4	66.03	3/4	390.94	3/4	758.89	3/4	1,135.65	3/4	1,512.62	3/4	1,890.36	3/4	2,268.09	3/4	2,645.82	3/4	3,023.55	3/4	3,401.29
3	71.60	3	398.48	3	766.76	3	1,143.49	3	1,520.49	3	1,898.23	3	2,275.96	3	2,653.69	3	3,031.42	3	3,409.15
1/4	77.17	1/4	406.02	1/4	774.63	1/4	1,151.34	1/4	1,528.36	1/4	1,906.10	1/4	2,283.83	1/4	2,661.56	1/4	3,039.29	1/4	3,417.02
1/2	82.74	1/2	413.55	1/2	782.50	1/2	1,159.18	1/2	1,536.23	1/2	1,913.97	1/2	2,291.70	1/2	2,669.43	1/2	3,047.16	1/2	3,424.89
3/4	88.43	3/4	420.98	3/4	790.37	3/4	1,167.04	3/4	1,544.10	3/4	1,921.84	3/4	2,299.57	3/4	2,677.30	3/4	3,055.03	3/4	3,432.76
4	94.11	4	428.40	4	798.24	4	1,174.89	4	1,551.97	4	1,929.71	4	2,307.44	4	2,685.17	4	3,062.90	4	3,440.63
1/4	99.80	1/4	435.82	1/4	806.11	1/4	1,182.75	1/4	1,559.84	1/4	1,937.58	1/4	2,315.31	1/4	2,693.04	1/4	3,070.77	1/4	3,448.50
1/2	105.49	1/2	443.24	1/2	813.98	1/2	1,190.61	1/2	1,567.70	1/2	1,945.45	1/2	2,323.18	1/2	2,700.91	1/2	3,078.64	1/2	3,456.37
3/4	111.74	3/4	450.31	3/4	821.85	3/4	1,198.48	3/4	1,575.57	3/4	1,953.32	3/4	2,331.05	3/4	2,708.78	3/4	3,086.51	3/4	3,464.24
5	118.00	5	457.38	5	829.72	5	1,206.35	5	1,583.44	5	1,961.18	5	2,338.92	5	2,716.65	5	3,094.38	5	3,472.11
1/4	124.25	1/4	464.45	1/4	837.59	1/4	1,214.22	1/4	1,591.31	1/4	1,969.05	1/4	2,346.79	1/4	2,724.52	1/4	3,102.25	1/4	3,479.98
1/2	130.51	1/2	471.52	1/2	845.46	1/2	1,222.09	1/2	1,599.18	1/2	1,976.92	1/2	2,354.65	1/2	2,732.39	1/2	3,110.12	1/2	3,487.85
3/4	137.10	3/4	478.67	3/4	853.31	3/4	1,229.96	3/4	1,607.05	3/4	1,984.79	3/4	2,362.52	3/4	2,740.26	3/4	3,117.99	3/4	3,495.72
6	143.69	6	485.81	6	861.17	6	1,237.83	6	1,614.92	6	1,992.66	6	2,370.39	6	2,748.12	6	3,125.86	6	3,503.59
1/4	150.28	1/4	492.96	1/4	869.03	1/4	1,245.70	1/4	1,622.79	1/4	2,000.53	1/4	2,378.26	1/4	2,755.99	1/4	3,133.73	1/4	3,511.46
1/2	156.87	1/2	500.11	1/2	876.89	1/2	1,253.57	1/2	1,630.66	1/2	2,008.40	1/2	2,386.13	1/2	2,763.86	1/2	3,141.59	1/2	3,519.33
3/4	163.58	3/4	507.74	3/4	884.73	3/4	1,261.44	3/4	1,638.53	3/4	2,016.27	3/4	2,394.00	3/4	2,771.73	3/4	3,149.46	3/4	3,527.20
7	170.28	7	515.38	7	892.57	7	1,269.31	7	1,646.40	7	2,024.14	7	2,401.87	7	2,779.60	7	3,157.33	7	3,535.06
1/4	176.99	1/4	523.02	1/4	900.42	1/4	1,277.18	1/4	1,654.27	1/4	2,032.01	1/4	2,409.74	1/4	2,787.47	1/4	3,165.20	1/4	3,542.93
1/2	183.69	1/2	530.66	1/2	908.26	1/2	1,285.05	1/2	1,662.14	1/2	2,039.88	1/2	2,417.61	1/2	2,795.34	1/2	3,173.07	1/2	3,550.80
3/4	190.51	3/4	538.53	3/4	916.10	3/4	1,292.91	3/4	1,670.01	3/4	2,047.75	3/4	2,425.48	3/4	2,803.21	3/4	3,180.94	3/4	3,558.67
8	197.34	8	546.40	8	923.94	8	1,300.76	8	1,677.88	8	2,055.62	8	2,433.35	8	2,811.08	8	3,188.81	8	3,566.54
1/4	204.16	1/4	554.27	1/4	931.78	1/4	1,308.62	1/4	1,685.75	1/4	2,063.49	1/4	2,441.22	1/4	2,818.95	1/4	3,196.68	1/4	3,574.41
1/2	210.98	1/2	562.14	1/2	939.62	1/2	1,316.48	1/2	1,693.62	1/2	2,071.36	1/2	2,449.09	1/2	2,826.82	1/2	3,204.55	1/2	3,582.28
3/4	217.92	3/4	570.01	3/4	947.46	3/4	1,324.32	3/4	1,701.49	3/4	2,079.23	3/4	2,456.96	3/4	2,834.69	3/4	3,212.42	3/4	3,590.15
9	224.85	9	577.88	9	955.30	9	1,332.16	9	1,709.36	9	2,087.10	9	2,464.83	9	2,842.56	9	3,220.29	9	3,598.02
1/4	231.79	1/4	585.75	1/4	963.15	1/4	1,340.01	1/4	1,717.23	1/4	2,094.96	1/4	2,472.70	1/4	2,850.43	1/4	3,228.16	1/4	3,605.89
1/2	238.72	1/2	593.62	1/2	970.99	1/2	1,347.85	1/2	1,725.10	1/2	2,102.83	1/2	2,480.57	1/2	2,858.30	1/2	3,236.03	1/2	3,613.76
3/4	245.76	3/4	601.49	3/4	978.83	3/4	1,355.69	3/4	1,732.97	3/4	2,110.70	3/4	2,488.43	3/4	2,866.17	3/4	3,243.90	3/4	3,621.63
10	252.80	10	609.36	10	986.67	10	1,363.53	10	1,740.84	10	2,118.57	10	2,496.30	10	2,874.04	10	3,251.77	10	3,629.50
1/4	259.84	1/4	617.23	1/4	994.51	1/4	1,371.38	1/4	1,748.71	1/4	2,126.44	1/4	2,504.17	1/4	2,881.90	1/4	3,259.64	1/4	3,637.37
1/2	266.87	1/2	625.10	1/2	1,002.35	1/2	1,379.22	1/2	1,756.58	1/2	2,134.31	1/2	2,512.04	1/2	2,889.77	1/2	3,267.51	1/2	3,645.24
3/4	274.02	3/4	632.97	3/4	1,010.19	3/4	1,387.06	3/4	1,764.44	3/4	2,142.18	3/4	2,519.91	3/4	2,897.64	3/4	3,275.37	3/4	3,653.11
11	281.16	11	640.84	11	1,018.03	11	1,394.90	11	1,772.31	11	2,150.05	11	2,527.78	11	2,905.51	11	3,283.24	11	3,660.98
1/4	288.30	1/4	648.71	1/4	1,025.87	1/4	1,402.75	1/4	1,780.18	1/4	2,157.92	1/4	2,535.65	1/4	2,913.38	1/4	3,291.11	1/4	3,668.84
1/2	295.44	1/2	656.58	1/2	1,033.71	1/2	1,410.59	1/2	1,788.05	1/2	2,165.79	1/2	2,543.52	1/2	2,921.25	1/2	3,298.98	1/2	3,676.71
3/4	302.68	3/4	664.45	3/4	1,041.56	3/4	1,418.43	3/4	1,795.92	3/4	2,173.66	3/4	2,551.39	3/4	2,929.12	3/4	3,306.85	3/4	3,684.58

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'-03" 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 27769"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,692.45	0	4,068.58	0	4,426.98	0	4,759.73	0		0		0		0		0		0	
1/4	3,700.32	1/4	4,076.28	1/4	4,434.16	1/4	4,766.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,708.19	1/2	4,083.98	1/2	4,441.34	1/2	4,773.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,716.06	3/4	4,091.64	3/4	4,448.46	3/4	4,779.80	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,723.93	1	4,099.30	1	4,455.58	1	4,786.47	1		1		1		1		1		1	
1/4	3,731.80	1/4	4,106.96	1/4	4,462.70	1/4	4,793.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,739.67	1/2	4,114.62	1/2	4,469.82	1/2	4,799.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,747.54	3/4	4,122.24	3/4	4,476.91	3/4	4,806.72	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,755.41	2	4,129.86	2	4,483.99	2	4,813.65	2		2		2		2		2		2	
1/4	3,763.28	1/4	4,137.49	1/4	4,491.07	1/4	4,820.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,771.15	1/2	4,145.11	1/2	4,498.16	1/2	4,827.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,779.02	3/4	4,152.69	3/4	4,505.20	3/4	4,835.00	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,786.89	3	4,160.28	3	4,512.25	3	4,842.50	3		3		3		3		3		3	
1/4	3,794.76	1/4	4,167.86	1/4	4,519.29	1/4	4,849.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,802.62	1/2	4,175.45	1/2	4,526.34	1/2	4,857.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,810.49	3/4	4,183.00	3/4	4,533.34	3/4	4,865.27	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,818.36	4	4,190.54	4	4,540.35	4	4,873.06	4		4		4		4		4		4	
1/4	3,826.23	1/4	4,198.09	1/4	4,547.36	1/4	4,880.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,834.10	1/2	4,205.64	1/2	4,554.36	1/2	4,888.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,841.97	3/4	4,213.15	3/4	4,561.33	3/4	4,896.23	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,849.84	5	4,220.65	5	4,568.30	5	4,903.83	5		5		5		5		5		5	
1/4	3,857.71	1/4	4,228.16	1/4	4,575.27	1/4	4,911.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,865.58	1/2	4,235.67	1/2	4,582.24	1/2	4,919.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,873.45	3/4	4,243.14	3/4	4,589.17	3/4	4,925.81	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,881.32	6	4,250.61	6	4,596.11	6	4,932.59	6		6		6		6		6		6	
1/4	3,889.19	1/4	4,258.09	1/4	4,603.04	1/4	4,939.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,897.06	1/2	4,265.56	1/2	4,609.97	1/2	4,946.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,904.92	3/4	4,272.99	3/4	4,616.86	3/4	4,951.64	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,912.78	7	4,280.42	7	4,623.75	7	4,957.12	7		7		7		7		7		7	
1/4	3,920.64	1/4	4,287.86	1/4	4,630.65	1/4	4,962.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,928.50	1/2	4,295.29	1/2	4,637.54	1/2	4,968.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,936.35	3/4	4,302.68	3/4	4,644.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,944.20	8	4,310.08	8	4,651.25	8		8		8		8		8		8		8	
1/4	3,952.04	1/4	4,317.48	1/4	4,658.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,959.89	1/2	4,324.87	1/2	4,664.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,967.70	3/4	4,332.23	3/4	4,671.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,975.51	9	4,339.59	9	4,678.60	9		9		9		9		9		9		9	
1/4	3,983.32	1/4	4,346.94	1/4	4,685.42	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,991.14	1/2	4,354.30	1/2	4,692.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,998.91	3/4	4,361.62	3/4	4,699.01	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	4,006.69	10	4,368.94	10	4,705.79	10		10		10		10		10		10		10	
1/4	4,014.46	1/4	4,376.26	1/4	4,712.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,022.23	1/2	4,383.58	1/2	4,719.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,029.97	3/4	4,390.84	3/4	4,726.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,037.71	11	4,398.10	11	4,732.84	11		11		11		11		11		11		11	
1/4	4,045.44	1/4	4,405.36	1/4	4,739.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,053.18	1/2	4,412.62	1/2	4,746.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,060.88	3/4	4,419.80	3/4	4,753.02	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/10/2011 CL - SW
 RECALCULATED: 10/30/2021 PMA
 REPRINTED: 10/30/2021 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 27769"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27769"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	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: 07/10/2011 CL - SW
 RECALCULATED: 10/30/2021 PMA
 REPRINTED: 10/30/2021 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 27769"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	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'-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 27769"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	3,583.73	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.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2021

PRECISION MEASUREMENT
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BARGE "KIRBY 27769"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	46.29	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

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.

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<http://www.pmacorp.net>



BARGE "KIRBY 27769"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	3,408.62	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.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2021

PRECISION MEASUREMENT
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BARGE "KIRBY 27769"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	46.34	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.
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 Pearland, Texas 77588
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BARGE "KIRBY 27769"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	3,435.48	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: 07/10/2011 CL - SW
 RECALCULATED: 10/30/2021 PMA
 REPRINTED: 10/30/2021 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 27769"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 6'-10"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	49	1/4	2,383	1/4	4,717	1/4	7,051	1/4	9,385	1/4	11,719	1/4	14,053	1/4		1/4		1/4	
1/2	97	1/2	2,431	1/2	4,766	1/2	7,100	1/2	9,434	1/2	11,768	1/2	14,102	1/2		1/2		1/2	
3/4	146	3/4	2,480	3/4	4,814	3/4	7,148	3/4	9,482	3/4	11,817	3/4	14,151	3/4		3/4		3/4	
1	195	1	2,529	1	4,863	1	7,197	1	9,531	1	11,865	1	14,199	1		1		1	
1/4	243	1/4	2,577	1/4	4,911	1/4	7,246	1/4	9,580	1/4	11,914	1/4	14,248	1/4		1/4		1/4	
1/2	292	1/2	2,626	1/2	4,960	1/2	7,294	1/2	9,628	1/2	11,962	1/2	14,297	1/2		1/2		1/2	
3/4	340	3/4	2,675	3/4	5,009	3/4	7,343	3/4	9,677	3/4	12,011	3/4	14,345	3/4		3/4		3/4	
2	389	2	2,723	2	5,057	2	7,391	2	9,726	2	12,060	2	14,394	2		2		2	
1/4	438	1/4	2,772	1/4	5,106	1/4	7,440	1/4	9,774	1/4	12,108	1/4	14,442	1/4		1/4		1/4	
1/2	486	1/2	2,820	1/2	5,155	1/2	7,489	1/2	9,823	1/2	12,157	1/2	14,491	1/2		1/2		1/2	
3/4	535	3/4	2,869	3/4	5,203	3/4	7,537	3/4	9,871	3/4	12,206	3/4		3/4		3/4		3/4	
3	584	3	2,918	3	5,252	3	7,586	3	9,920	3	12,254	3		3		3		3	
1/4	632	1/4	2,966	1/4	5,300	1/4	7,635	1/4	9,969	1/4	12,303	1/4		1/4		1/4		1/4	
1/2	681	1/2	3,015	1/2	5,349	1/2	7,683	1/2	10,017	1/2	12,351	1/2		1/2		1/2		1/2	
3/4	729	3/4	3,064	3/4	5,398	3/4	7,732	3/4	10,066	3/4	12,400	3/4		3/4		3/4		3/4	
4	778	4	3,112	4	5,446	4	7,780	4	10,115	4	12,449	4		4		4		4	
1/4	827	1/4	3,161	1/4	5,495	1/4	7,829	1/4	10,163	1/4	12,497	1/4		1/4		1/4		1/4	
1/2	875	1/2	3,209	1/2	5,544	1/2	7,878	1/2	10,212	1/2	12,546	1/2		1/2		1/2		1/2	
3/4	924	3/4	3,258	3/4	5,592	3/4	7,926	3/4	10,260	3/4	12,595	3/4		3/4		3/4		3/4	
5	973	5	3,307	5	5,641	5	7,975	5	10,309	5	12,643	5		5		5		5	
1/4	1,021	1/4	3,355	1/4	5,689	1/4	8,024	1/4	10,358	1/4	12,692	1/4		1/4		1/4		1/4	
1/2	1,070	1/2	3,404	1/2	5,738	1/2	8,072	1/2	10,406	1/2	12,740	1/2		1/2		1/2		1/2	
3/4	1,118	3/4	3,453	3/4	5,787	3/4	8,121	3/4	10,455	3/4	12,789	3/4		3/4		3/4		3/4	
6	1,167	6	3,501	6	5,835	6	8,169	6	10,504	6	12,838	6		6		6		6	
1/4	1,216	1/4	3,550	1/4	5,884	1/4	8,218	1/4	10,552	1/4	12,886	1/4		1/4		1/4		1/4	
1/2	1,264	1/2	3,598	1/2	5,933	1/2	8,267	1/2	10,601	1/2	12,935	1/2		1/2		1/2		1/2	
3/4	1,313	3/4	3,647	3/4	5,981	3/4	8,315	3/4	10,649	3/4	12,984	3/4		3/4		3/4		3/4	
7	1,362	7	3,696	7	6,030	7	8,364	7	10,698	7	13,032	7		7		7		7	
1/4	1,410	1/4	3,744	1/4	6,078	1/4	8,413	1/4	10,747	1/4	13,081	1/4		1/4		1/4		1/4	
1/2	1,459	1/2	3,793	1/2	6,127	1/2	8,461	1/2	10,795	1/2	13,129	1/2		1/2		1/2		1/2	
3/4	1,507	3/4	3,842	3/4	6,176	3/4	8,510	3/4	10,844	3/4	13,178	3/4		3/4		3/4		3/4	
8	1,556	8	3,890	8	6,224	8	8,558	8	10,893	8	13,227	8		8		8		8	
1/4	1,605	1/4	3,939	1/4	6,273	1/4	8,607	1/4	10,941	1/4	13,275	1/4		1/4		1/4		1/4	
1/2	1,653	1/2	3,987	1/2	6,322	1/2	8,656	1/2	10,990	1/2	13,324	1/2		1/2		1/2		1/2	
3/4	1,702	3/4	4,036	3/4	6,370	3/4	8,704	3/4	11,038	3/4	13,373	3/4		3/4		3/4		3/4	
9	1,751	9	4,085	9	6,419	9	8,753	9	11,087	9	13,421	9		9		9		9	
1/4	1,799	1/4	4,133	1/4	6,467	1/4	8,802	1/4	11,136	1/4	13,470	1/4		1/4		1/4		1/4	
1/2	1,848	1/2	4,182	1/2	6,516	1/2	8,850	1/2	11,184	1/2	13,519	1/2		1/2		1/2		1/2	
3/4	1,896	3/4	4,231	3/4	6,565	3/4	8,899	3/4	11,233	3/4	13,567	3/4		3/4		3/4		3/4	
10	1,945	10	4,279	10	6,613	10	8,947	10	11,282	10	13,616	10		10		10		10	
1/4	1,994	1/4	4,328	1/4	6,662	1/4	8,996	1/4	11,330	1/4	13,664	1/4		1/4		1/4		1/4	
1/2	2,042	1/2	4,376	1/2	6,711	1/2	9,045	1/2	11,379	1/2	13,713	1/2		1/2		1/2		1/2	
3/4	2,091	3/4	4,425	3/4	6,759	3/4	9,093	3/4	11,428	3/4	13,762	3/4		3/4		3/4		3/4	
11	2,140	11	4,474	11	6,808	11	9,142	11	11,476	11	13,810	11		11		11		11	
1/4	2,188	1/4	4,522	1/4	6,857	1/4	9,191	1/4	11,525	1/4	13,859	1/4		1/4		1/4		1/4	
1/2	2,237	1/2	4,571	1/2	6,905	1/2	9,239	1/2	11,573	1/2	13,908	1/2		1/2		1/2		1/2	
3/4	2,286	3/4	4,620	3/4	6,954	3/4	9,288	3/4	11,622	3/4	13,956	3/4		3/4		3/4		3/4	

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

STRAPPED: 11/03/2021 JS
 COMPUTED: 11/03/2021 CL
 PRINTED: 11/03/2021 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 11/2021

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