



# BARGE "KIRBY 30086"

ULLAGE TRIM TABLE

EX: WTC 3017

	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 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
3 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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 5'-00"  
 DIFF. = 3'-00" (DOWN BY STERN)

LENGTH BETWEEN DRAFT MARKS: 237'-06"

August 8, 2023

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

<http://www.pmacorp.net>

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





# BARGE "KIRBY 30086"

## 1 PORT ULLAGE TABLE

CAPACITY IN U.S. GALLONS

FORMERLY "WTC 3017"

GAUGE HEIGHT 16'-11 1/4"

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	2,433.02	0	2,075.04	0	1,717.06	0	1,359.07	0	1,001.04	0	642.81	0	292.55	0		0			
1/4	2,425.56	1/4	2,067.58	1/4	1,709.60	1/4	1,351.61	1/4	993.58	1/4	635.35	1/4	285.61	1/4		1/4			
1/2	2,418.10	1/2	2,060.12	1/2	1,702.14	1/2	1,344.15	1/2	986.11	1/2	627.89	1/2	278.67	1/2		1/2			
3/4	2,410.64	3/4	2,052.66	3/4	1,694.68	3/4	1,336.69	3/4	978.65	3/4	620.42	3/4	271.73	3/4		3/4			
1	2,403.19	1	2,045.21	1	1,687.22	1	1,329.24	1	971.18	1	612.96	1	264.80	1		1			
1/4	2,395.73	1/4	2,037.75	1/4	1,679.76	1/4	1,321.78	1/4	963.72	1/4	605.50	1/4	257.86	1/4		1/4			
1/2	2,388.27	1/2	2,030.29	1/2	1,672.30	1/2	1,314.32	1/2	956.26	1/2	598.04	1/2	251.02	1/2		1/2			
3/4	2,380.81	3/4	2,022.83	3/4	1,664.84	3/4	1,306.86	3/4	948.79	3/4	590.57	3/4	244.19	3/4		3/4			
2	2,373.36	2	2,015.38	2	1,657.39	2	1,299.41	2	941.33	2	583.11	2	237.35	2		2			
1/4	2,365.90	1/4	2,007.92	1/4	1,649.93	1/4	1,291.95	1/4	933.87	1/4	575.65	1/4	230.52	1/4		1/4			
1/2	2,358.44	1/2	2,000.46	1/2	1,642.47	1/2	1,284.49	1/2	926.41	1/2	568.19	1/2	223.79	1/2		1/2			
3/4	2,350.98	3/4	1,993.00	3/4	1,635.01	3/4	1,277.03	3/4	918.94	3/4	560.72	3/4	217.06	3/4		3/4			
3	2,343.53	3	1,985.54	3	1,627.56	3	1,269.58	3	911.48	3	553.26	3	210.33	3		3			
1/4	2,336.07	1/4	1,978.08	1/4	1,620.10	1/4	1,262.12	1/4	904.02	1/4	545.80	1/4	203.60	1/4		1/4			
1/2	2,328.61	1/2	1,970.62	1/2	1,612.64	1/2	1,254.66	1/2	896.56	1/2	538.34	1/2	196.87	1/2		1/2			
3/4	2,321.15	3/4	1,963.16	3/4	1,605.18	3/4	1,247.20	3/4	889.09	3/4	530.87	3/4	190.13	3/4		3/4			
4	2,313.70	4	1,955.71	4	1,597.73	4	1,239.74	4	881.63	4	523.41	4	183.40	4		4			
1/4	2,306.24	1/4	1,948.25	1/4	1,590.27	1/4	1,232.28	1/4	874.17	1/4	515.95	1/4	176.67	1/4		1/4			
1/2	2,298.78	1/2	1,940.79	1/2	1,582.81	1/2	1,224.82	1/2	866.71	1/2	508.55	1/2	170.04	1/2		1/2			
3/4	2,291.32	3/4	1,933.33	3/4	1,575.35	3/4	1,217.36	3/4	859.24	3/4	501.14	3/4	163.41	3/4		3/4			
5	2,283.86	5	1,925.88	5	1,567.90	5	1,209.91	5	851.78	5	493.74	5	156.78	5		5			
1/4	2,276.40	1/4	1,918.42	1/4	1,560.44	1/4	1,202.45	1/4	844.32	1/4	486.34	1/4	150.15	1/4		1/4			
1/2	2,268.94	1/2	1,910.96	1/2	1,552.98	1/2	1,194.99	1/2	836.85	1/2	478.99	1/2	143.62	1/2		1/2			
3/4	2,261.48	3/4	1,903.50	3/4	1,545.52	3/4	1,187.53	3/4	829.39	3/4	471.65	3/4	137.09	3/4		3/4			
6	2,254.03	6	1,896.05	6	1,538.06	6	1,180.08	6	821.92	6	464.30	6	130.57	6		6			
1/4	2,246.57	1/4	1,888.59	1/4	1,530.60	1/4	1,172.62	1/4	814.46	1/4	456.96	1/4	124.04	1/4		1/4			
1/2	2,239.11	1/2	1,881.13	1/2	1,523.14	1/2	1,165.16	1/2	807.00	1/2	449.62	1/2	117.51	1/2		1/2			
3/4	2,231.65	3/4	1,873.67	3/4	1,515.68	3/4	1,157.70	3/4	799.53	3/4	442.27	3/4	110.98	3/4		3/4			
7	2,224.20	7	1,866.22	7	1,508.23	7	1,150.25	7	792.07	7	434.93	7	104.46	7		7			
1/4	2,216.74	1/4	1,858.76	1/4	1,500.77	1/4	1,142.79	1/4	784.61	1/4	427.59	1/4	97.93	1/4		1/4			
1/2	2,209.28	1/2	1,851.30	1/2	1,493.31	1/2	1,135.33	1/2	777.15	1/2	420.35	1/2	91.50	1/2		1/2			
3/4	2,201.82	3/4	1,843.84	3/4	1,485.85	3/4	1,127.87	3/4	769.68	3/4	413.10	3/4	85.08	3/4		3/4			
8	2,194.37	8	1,836.38	8	1,478.40	8	1,120.42	8	762.22	8	405.86	8	78.65	8		8			
1/4	2,186.91	1/4	1,828.92	1/4	1,470.94	1/4	1,112.96	1/4	754.76	1/4	398.62	1/4	72.23	1/4		1/4			
1/2	2,179.45	1/2	1,821.46	1/2	1,463.48	1/2	1,105.50	1/2	747.30	1/2	391.48	1/2	66.58	1/2		1/2			
3/4	2,171.99	3/4	1,814.00	3/4	1,456.02	3/4	1,098.04	3/4	739.83	3/4	384.34	3/4	60.92	3/4		3/4			
9	2,164.54	9	1,806.55	9	1,448.57	9	1,090.58	9	732.37	9	377.21	9	55.27	9		9			
1/4	2,157.08	1/4	1,799.09	1/4	1,441.11	1/4	1,083.12	1/4	724.91	1/4	370.07	1/4	49.62	1/4		1/4			
1/2	2,149.62	1/2	1,791.63	1/2	1,433.65	1/2	1,075.66	1/2	717.45	1/2	362.93	1/2	44.90	1/2		1/2			
3/4	2,142.16	3/4	1,784.17	3/4	1,426.19	3/4	1,068.20	3/4	709.98	3/4	355.79	3/4	40.19	3/4		3/4			
10	2,134.70	10	1,776.72	10	1,418.74	10	1,060.74	10	702.52	10	348.65	10	35.47	10		10			
1/4	2,127.24	1/4	1,769.26	1/4	1,411.28	1/4	1,053.28	1/4	695.06	1/4	341.51	1/4	30.76	1/4		1/4			
1/2	2,119.78	1/2	1,761.80	1/2	1,403.82	1/2	1,045.82	1/2	687.59	1/2	334.47	1/2	27.22	1/2		1/2			
3/4	2,112.32	3/4	1,754.34	3/4	1,396.36	3/4	1,038.35	3/4	680.13	3/4	327.43	3/4	23.67	3/4		3/4			
11	2,104.87	11	1,746.89	11	1,388.90	11	1,030.89	11	672.66	11	320.40	11	20.13	11		11			
1/4	2,097.41	1/4	1,739.43	1/4	1,381.44	1/4	1,023.43	1/4	665.20	1/4	313.36	1/4	16.59	1/4		1/4			
1/2	2,089.95	1/2	1,731.97	1/2	1,373.98	1/2	1,015.97	1/2	657.74	1/2	306.42	1/2		1/2		1/2			
3/4	2,082.49	3/4	1,724.51	3/4	1,366.52	3/4	1,008.50	3/4	650.27	3/4	299.48	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2002 INSP  
RECALCULATED: 08/08/2023 CL  
VERIFIED: 08/08/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 30086"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3017"

GAUGE HEIGHT 16'-11 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	0	0	4,938.91	0	4,580.93	0	4,222.94	0	3,864.96	0	3,506.98	0	3,148.99	0	2,791.01		
1/4	1/4	1/4	1/4	1/4	4,931.45	1/4	4,573.47	1/4	4,215.48	1/4	3,857.50	1/4	3,499.52	1/4	3,141.53	1/4	2,783.55		
1/2	1/2	1/2	1/2	1/2	4,923.99	1/2	4,566.01	1/2	4,208.02	1/2	3,850.04	1/2	3,492.06	1/2	3,134.07	1/2	2,776.09		
3/4	3/4	3/4	3/4	3/4	4,916.54	3/4	4,558.55	3/4	4,200.56	3/4	3,842.58	3/4	3,484.60	3/4	3,126.61	3/4	2,768.63		
1	1	1	1	1	4,909.08	1	4,551.10	1	4,193.11	1	3,835.13	1	3,477.14	1	3,119.16	1	2,761.18		
1/4	1/4	1/4	1/4	1/4	4,901.62	1/4	4,543.64	1/4	4,185.65	1/4	3,827.67	1/4	3,469.68	1/4	3,111.70	1/4	2,753.72		
1/2	1/2	1/2	1/2	1/2	4,894.16	1/2	4,536.18	1/2	4,178.19	1/2	3,820.21	1/2	3,462.22	1/2	3,104.24	1/2	2,746.26		
3/4	3/4	3/4	3/4	3/4	4,886.71	3/4	4,528.72	3/4	4,170.73	3/4	3,812.75	3/4	3,454.76	3/4	3,096.78	3/4	2,738.80		
2	2	2	2	2	4,879.25	2	4,521.26	2	4,163.28	2	3,805.30	2	3,447.31	2	3,089.33	2	2,731.34		
1/4	1/4	1/4	1/4	1/4	4,871.79	1/4	4,513.80	1/4	4,155.82	1/4	3,797.84	1/4	3,439.85	1/4	3,081.87	1/4	2,723.88		
1/2	1/2	1/2	1/2	1/2	4,864.33	1/2	4,506.34	1/2	4,148.36	1/2	3,790.38	1/2	3,432.39	1/2	3,074.41	1/2	2,716.42		
3/4	3/4	3/4	3/4	3/4	4,856.87	3/4	4,498.88	3/4	4,140.90	3/4	3,782.92	3/4	3,424.93	3/4	3,066.95	3/4	2,708.96		
3	3	3	3	3	4,849.41	3	4,491.43	3	4,133.45	3	3,775.46	3	3,417.48	3	3,059.50	3	2,701.51		
1/4	1/4	1/4	1/4	1/4	4,841.95	1/4	4,483.97	1/4	4,125.99	1/4	3,768.00	1/4	3,410.02	1/4	3,052.04	1/4	2,694.05		
1/2	1/2	1/2	1/2	1/2	4,834.49	1/2	4,476.51	1/2	4,118.53	1/2	3,760.54	1/2	3,402.56	1/2	3,044.58	1/2	2,686.59		
3/4	3/4	3/4	3/4	3/4	4,827.04	3/4	4,469.05	3/4	4,111.07	3/4	3,753.08	3/4	3,395.10	3/4	3,037.12	3/4	2,679.13		
4	4	4	4	4	4,819.58	4	4,461.60	4	4,103.62	4	3,745.63	4	3,387.65	4	3,029.66	4	2,671.68		
1/4	1/4	1/4	1/4	1/4	4,812.12	1/4	4,454.14	1/4	4,096.16	1/4	3,738.17	1/4	3,380.19	1/4	3,022.20	1/4	2,664.22		
1/2	1/2	1/2	1/2	1/2	4,804.66	1/2	4,446.68	1/2	4,088.70	1/2	3,730.71	1/2	3,372.73	1/2	3,014.74	1/2	2,656.76		
3/4	3/4	3/4	3/4	3/4	4,797.21	3/4	4,439.22	3/4	4,081.24	3/4	3,723.25	3/4	3,365.27	3/4	3,007.28	3/4	2,649.30		
5	5	5	5	5	4,789.75	5	4,431.77	5	4,073.78	5	3,715.80	5	3,357.82	5	2,999.83	5	2,641.85		
1/4	1/4	1/4	1/4	1/4	5,058.21	1/4	4,782.29	1/4	4,424.31	1/4	4,066.32	1/4	3,708.34	1/4	3,350.36	1/4	2,992.37	1/4	2,634.39
1/2	1/2	1/2	1/2	1/2	5,057.37	1/2	4,774.83	1/2	4,416.85	1/2	4,058.86	1/2	3,700.88	1/2	3,342.90	1/2	2,984.91	1/2	2,626.93
3/4	3/4	3/4	3/4	3/4	5,056.53	3/4	4,767.37	3/4	4,409.39	3/4	4,051.40	3/4	3,693.42	3/4	3,335.44	3/4	2,977.45	3/4	2,619.47
6	6	6	6	6	5,055.68	6	4,759.92	6	4,401.94	6	4,043.95	6	3,685.97	6	3,327.98	6	2,970.00	6	2,612.02
1/4	1/4	1/4	1/4	1/4	5,054.84	1/4	4,752.46	1/4	4,394.48	1/4	4,036.49	1/4	3,678.51	1/4	3,320.52	1/4	2,962.54	1/4	2,604.56
1/2	1/2	1/2	1/2	1/2	5,052.81	1/2	4,745.00	1/2	4,387.02	1/2	4,029.03	1/2	3,671.05	1/2	3,313.06	1/2	2,955.08	1/2	2,597.10
3/4	3/4	3/4	3/4	3/4	5,050.77	3/4	4,737.54	3/4	4,379.56	3/4	4,021.57	3/4	3,663.59	3/4	3,305.60	3/4	2,947.62	3/4	2,589.64
7	7	7	7	7	5,048.74	7	4,730.09	7	4,372.10	7	4,014.12	7	3,656.14	7	3,298.15	7	2,940.17	7	2,582.18
1/4	1/4	1/4	1/4	1/4	5,046.70	1/4	4,722.63	1/4	4,364.64	1/4	4,006.66	1/4	3,648.68	1/4	3,290.69	1/4	2,932.71	1/4	2,574.72
1/2	1/2	1/2	1/2	1/2	5,043.32	1/2	4,715.17	1/2	4,357.18	1/2	3,999.20	1/2	3,641.22	1/2	3,283.23	1/2	2,925.25	1/2	2,567.26
3/4	3/4	3/4	3/4	3/4	5,039.93	3/4	4,707.71	3/4	4,349.72	3/4	3,991.74	3/4	3,633.76	3/4	3,275.77	3/4	2,917.79	3/4	2,559.80
8	8	8	8	8	5,036.55	8	4,700.26	8	4,342.27	8	3,984.29	8	3,626.30	8	3,268.32	8	2,910.34	8	2,552.35
1/4	1/4	1/4	1/4	1/4	5,033.16	1/4	4,692.80	1/4	4,334.81	1/4	3,976.83	1/4	3,618.84	1/4	3,260.86	1/4	2,902.88	1/4	2,544.89
1/2	1/2	1/2	1/2	1/2	5,028.42	1/2	4,685.34	1/2	4,327.35	1/2	3,969.37	1/2	3,611.38	1/2	3,253.40	1/2	2,895.42	1/2	2,537.43
3/4	3/4	3/4	3/4	3/4	5,023.67	3/4	4,677.88	3/4	4,319.89	3/4	3,961.91	3/4	3,603.92	3/4	3,245.94	3/4	2,887.96	3/4	2,529.97
9	9	9	9	9	5,018.93	9	4,670.42	9	4,312.44	9	3,954.46	9	3,596.47	9	3,238.49	9	2,880.50	9	2,522.52
1/4	1/4	1/4	1/4	1/4	5,014.18	1/4	4,662.96	1/4	4,304.98	1/4	3,947.00	1/4	3,589.01	1/4	3,231.03	1/4	2,873.04	1/4	2,515.06
1/2	1/2	1/2	1/2	1/2	5,008.08	1/2	4,655.50	1/2	4,297.52	1/2	3,939.54	1/2	3,581.55	1/2	3,223.57	1/2	2,865.58	1/2	2,507.60
3/4	3/4	3/4	3/4	3/4	5,001.97	3/4	4,648.04	3/4	4,290.06	3/4	3,932.08	3/4	3,574.09	3/4	3,216.11	3/4	2,858.12	3/4	2,500.14
10	10	10	10	10	4,995.87	10	4,640.59	10	4,282.61	10	3,924.62	10	3,566.64	10	3,208.66	10	2,850.67	10	2,492.69
1/4	1/4	1/4	1/4	1/4	4,989.76	1/4	4,633.13	1/4	4,275.15	1/4	3,917.16	1/4	3,559.18	1/4	3,201.20	1/4	2,843.21	1/4	2,485.23
1/2	1/2	1/2	1/2	1/2	4,982.64	1/2	4,625.67	1/2	4,267.69	1/2	3,909.70	1/2	3,551.72	1/2	3,193.74	1/2	2,835.75	1/2	2,477.77
3/4	3/4	3/4	3/4	3/4	4,975.52	3/4	4,618.21	3/4	4,260.23	3/4	3,902.24	3/4	3,544.26	3/4	3,186.28	3/4	2,828.29	3/4	2,470.31
11	11	11	11	11	4,968.40	11	4,610.76	11	4,252.78	11	3,894.79	11	3,536.81	11	3,178.82	11	2,820.84	11	2,462.86
1/4	1/4	1/4	1/4	1/4	4,961.28	1/4	4,603.30	1/4	4,245.32	1/4	3,887.33	1/4	3,529.35	1/4	3,171.36	1/4	2,813.38	1/4	2,455.40
1/2	1/2	1/2	1/2	1/2	4,953.82	1/2	4,595.84	1/2	4,237.86	1/2	3,879.87	1/2	3,521.89	1/2	3,163.90	1/2	2,805.92	1/2	2,447.94
3/4	3/4	3/4	3/4	3/4	4,946.37	3/4	4,588.38	3/4	4,230.40	3/4	3,872.41	3/4	3,514.43	3/4	3,156.44	3/4	2,798.46	3/4	2,440.48

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 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "KIRBY 30086"

## 1 STBD ULLAGE TABLE

CAPACITY IN U.S. GALLONS

FORMERLY "WTC 3017"

GAUGE HEIGHT 16'-11 1/4"

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	2,433.02	0	2,075.04	0	1,717.06	0	1,359.07	0	1,001.04	0	642.81	0	292.55	0		0			
1/4	2,425.56	1/4	2,067.58	1/4	1,709.60	1/4	1,351.61	1/4	993.58	1/4	635.35	1/4	285.61	1/4		1/4			
1/2	2,418.10	1/2	2,060.12	1/2	1,702.14	1/2	1,344.15	1/2	986.11	1/2	627.89	1/2	278.67	1/2		1/2			
3/4	2,410.64	3/4	2,052.66	3/4	1,694.68	3/4	1,336.69	3/4	978.65	3/4	620.42	3/4	271.73	3/4		3/4			
1	2,403.19	1	2,045.21	1	1,687.22	1	1,329.24	1	971.18	1	612.96	1	264.80	1		1			
1/4	2,395.73	1/4	2,037.75	1/4	1,679.76	1/4	1,321.78	1/4	963.72	1/4	605.50	1/4	257.86	1/4		1/4			
1/2	2,388.27	1/2	2,030.29	1/2	1,672.30	1/2	1,314.32	1/2	956.26	1/2	598.04	1/2	251.02	1/2		1/2			
3/4	2,380.81	3/4	2,022.83	3/4	1,664.84	3/4	1,306.86	3/4	948.79	3/4	590.57	3/4	244.19	3/4		3/4			
2	2,373.36	2	2,015.38	2	1,657.39	2	1,299.41	2	941.33	2	583.11	2	237.35	2		2			
1/4	2,365.90	1/4	2,007.92	1/4	1,649.93	1/4	1,291.95	1/4	933.87	1/4	575.65	1/4	230.52	1/4		1/4			
1/2	2,358.44	1/2	2,000.46	1/2	1,642.47	1/2	1,284.49	1/2	926.41	1/2	568.19	1/2	223.79	1/2		1/2			
3/4	2,350.98	3/4	1,993.00	3/4	1,635.01	3/4	1,277.03	3/4	918.94	3/4	560.72	3/4	217.06	3/4		3/4			
3	2,343.53	3	1,985.54	3	1,627.56	3	1,269.58	3	911.48	3	553.26	3	210.33	3		3			
1/4	2,336.07	1/4	1,978.08	1/4	1,620.10	1/4	1,262.12	1/4	904.02	1/4	545.80	1/4	203.60	1/4		1/4			
1/2	2,328.61	1/2	1,970.62	1/2	1,612.64	1/2	1,254.66	1/2	896.56	1/2	538.34	1/2	196.87	1/2		1/2			
3/4	2,321.15	3/4	1,963.16	3/4	1,605.18	3/4	1,247.20	3/4	889.09	3/4	530.87	3/4	190.13	3/4		3/4			
4	2,313.70	4	1,955.71	4	1,597.73	4	1,239.74	4	881.63	4	523.41	4	183.40	4		4			
1/4	2,306.24	1/4	1,948.25	1/4	1,590.27	1/4	1,232.28	1/4	874.17	1/4	515.95	1/4	176.67	1/4		1/4			
1/2	2,298.78	1/2	1,940.79	1/2	1,582.81	1/2	1,224.82	1/2	866.71	1/2	508.55	1/2	170.04	1/2		1/2			
3/4	2,291.32	3/4	1,933.33	3/4	1,575.35	3/4	1,217.36	3/4	859.24	3/4	501.14	3/4	163.41	3/4		3/4			
5	2,283.86	5	1,925.88	5	1,567.90	5	1,209.91	5	851.78	5	493.74	5	156.78	5		5			
1/4	2,276.40	1/4	1,918.42	1/4	1,560.44	1/4	1,202.45	1/4	844.32	1/4	486.34	1/4	150.15	1/4		1/4			
1/2	2,268.94	1/2	1,910.96	1/2	1,552.98	1/2	1,194.99	1/2	836.85	1/2	478.99	1/2	143.62	1/2		1/2			
3/4	2,261.48	3/4	1,903.50	3/4	1,545.52	3/4	1,187.53	3/4	829.39	3/4	471.65	3/4	137.09	3/4		3/4			
6	2,254.03	6	1,896.05	6	1,538.06	6	1,180.08	6	821.92	6	464.30	6	130.57	6		6			
1/4	2,246.57	1/4	1,888.59	1/4	1,530.60	1/4	1,172.62	1/4	814.46	1/4	456.96	1/4	124.04	1/4		1/4			
1/2	2,239.11	1/2	1,881.13	1/2	1,523.14	1/2	1,165.16	1/2	807.00	1/2	449.62	1/2	117.51	1/2		1/2			
3/4	2,231.65	3/4	1,873.67	3/4	1,515.68	3/4	1,157.70	3/4	799.53	3/4	442.27	3/4	110.98	3/4		3/4			
7	2,224.20	7	1,866.22	7	1,508.23	7	1,150.25	7	792.07	7	434.93	7	104.46	7		7			
1/4	2,216.74	1/4	1,858.76	1/4	1,500.77	1/4	1,142.79	1/4	784.61	1/4	427.59	1/4	97.93	1/4		1/4			
1/2	2,209.28	1/2	1,851.30	1/2	1,493.31	1/2	1,135.33	1/2	777.15	1/2	420.35	1/2	91.50	1/2		1/2			
3/4	2,201.82	3/4	1,843.84	3/4	1,485.85	3/4	1,127.87	3/4	769.68	3/4	413.10	3/4	85.08	3/4		3/4			
8	2,194.37	8	1,836.38	8	1,478.40	8	1,120.42	8	762.22	8	405.86	8	78.65	8		8			
1/4	2,186.91	1/4	1,828.92	1/4	1,470.94	1/4	1,112.96	1/4	754.76	1/4	398.62	1/4	72.23	1/4		1/4			
1/2	2,179.45	1/2	1,821.46	1/2	1,463.48	1/2	1,105.50	1/2	747.30	1/2	391.48	1/2	66.58	1/2		1/2			
3/4	2,171.99	3/4	1,814.00	3/4	1,456.02	3/4	1,098.04	3/4	739.83	3/4	384.34	3/4	60.92	3/4		3/4			
9	2,164.54	9	1,806.55	9	1,448.57	9	1,090.58	9	732.37	9	377.21	9	55.27	9		9			
1/4	2,157.08	1/4	1,799.09	1/4	1,441.11	1/4	1,083.12	1/4	724.91	1/4	370.07	1/4	49.62	1/4		1/4			
1/2	2,149.62	1/2	1,791.63	1/2	1,433.65	1/2	1,075.66	1/2	717.45	1/2	362.93	1/2	44.90	1/2		1/2			
3/4	2,142.16	3/4	1,784.17	3/4	1,426.19	3/4	1,068.20	3/4	709.98	3/4	355.79	3/4	40.19	3/4		3/4			
10	2,134.70	10	1,776.72	10	1,418.74	10	1,060.74	10	702.52	10	348.65	10	35.47	10		10			
1/4	2,127.24	1/4	1,769.26	1/4	1,411.28	1/4	1,053.28	1/4	695.06	1/4	341.51	1/4	30.76	1/4		1/4			
1/2	2,119.78	1/2	1,761.80	1/2	1,403.82	1/2	1,045.82	1/2	687.59	1/2	334.47	1/2	27.22	1/2		1/2			
3/4	2,112.32	3/4	1,754.34	3/4	1,396.36	3/4	1,038.35	3/4	680.13	3/4	327.43	3/4	23.67	3/4		3/4			
11	2,104.87	11	1,746.89	11	1,388.90	11	1,030.89	11	672.66	11	320.40	11	20.13	11		11			
1/4	2,097.41	1/4	1,739.43	1/4	1,381.44	1/4	1,023.43	1/4	665.20	1/4	313.36	1/4	16.59	1/4		1/4			
1/2	2,089.95	1/2	1,731.97	1/2	1,373.98	1/2	1,015.97	1/2	657.74	1/2	306.42	1/2		1/2		1/2			
3/4	2,082.49	3/4	1,724.51	3/4	1,366.52	3/4	1,008.50	3/4	650.27	3/4	299.48	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2002 INSP  
RECALCULATED: 08/08/2023 CL  
VERIFIED: 08/08/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 30086"

# 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3017"

GAUGE HEIGHT 16'-11 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
0		0		0		0		0		0		0		0		0		0	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		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 ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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# BARGE "KIRBY 30086"

## 2 PORT ULLAGE TABLE

CAPACITY IN U.S. GALLONS

FORMERLY "WTC 3017"

GAUGE HEIGHT 16'-11 1/4"

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	2,481.94	0	2,123.33	0	1,764.73	0	1,406.12	0	1,047.79	0	689.38	0	329.86	0		0			
1/4	2,474.47	1/4	2,115.86	1/4	1,757.26	1/4	1,398.65	1/4	1,040.33	1/4	681.89	1/4	322.37	1/4		1/4			
1/2	2,467.00	1/2	2,108.39	1/2	1,749.79	1/2	1,391.18	1/2	1,032.87	1/2	674.40	1/2	314.88	1/2		1/2			
3/4	2,459.53	3/4	2,100.92	3/4	1,742.32	3/4	1,383.71	3/4	1,025.41	3/4	666.91	3/4	307.39	3/4		3/4			
1	2,452.06	1	2,093.45	1	1,734.84	1	1,376.23	1	1,017.95	1	659.42	1	299.90	1		1			
1/4	2,444.59	1/4	2,085.98	1/4	1,727.37	1/4	1,368.76	1/4	1,010.49	1/4	651.93	1/4	292.41	1/4		1/4			
1/2	2,437.12	1/2	2,078.51	1/2	1,719.90	1/2	1,361.29	1/2	1,003.03	1/2	644.44	1/2	284.92	1/2		1/2			
3/4	2,429.65	3/4	2,071.04	3/4	1,712.43	3/4	1,353.82	3/4	995.58	3/4	636.95	3/4	277.43	3/4		3/4			
2	2,422.17	2	2,063.57	2	1,704.96	2	1,346.35	2	988.12	2	629.46	2	269.94	2		2			
1/4	2,414.70	1/4	2,056.10	1/4	1,697.49	1/4	1,338.88	1/4	980.66	1/4	621.97	1/4	262.45	1/4		1/4			
1/2	2,407.23	1/2	2,048.63	1/2	1,690.02	1/2	1,331.41	1/2	973.20	1/2	614.48	1/2	254.96	1/2		1/2			
3/4	2,399.76	3/4	2,041.16	3/4	1,682.55	3/4	1,323.94	3/4	965.75	3/4	606.99	3/4	247.47	3/4		3/4			
3	2,392.29	3	2,033.68	3	1,675.07	3	1,316.47	3	958.29	3	599.50	3	239.98	3		3			
1/4	2,384.82	1/4	2,026.21	1/4	1,667.60	1/4	1,309.00	1/4	950.83	1/4	592.01	1/4	232.49	1/4		1/4			
1/2	2,377.35	1/2	2,018.74	1/2	1,660.13	1/2	1,301.53	1/2	943.37	1/2	584.52	1/2	225.00	1/2		1/2			
3/4	2,369.88	3/4	2,011.27	3/4	1,652.66	3/4	1,294.06	3/4	935.92	3/4	577.03	3/4	217.51	3/4		3/4			
4	2,362.41	4	2,003.80	4	1,645.19	4	1,286.58	4	928.46	4	569.54	4	210.02	4		4			
1/4	2,354.94	1/4	1,996.33	1/4	1,637.72	1/4	1,279.11	1/4	921.00	1/4	562.05	1/4	202.53	1/4		1/4			
1/2	2,347.47	1/2	1,988.86	1/2	1,630.25	1/2	1,271.64	1/2	913.54	1/2	554.56	1/2	195.04	1/2		1/2			
3/4	2,340.00	3/4	1,981.39	3/4	1,622.78	3/4	1,264.17	3/4	906.09	3/4	547.07	3/4	187.55	3/4		3/4			
5	2,332.52	5	1,973.91	5	1,615.31	5	1,256.70	5	898.63	5	539.58	5	180.06	5		5			
1/4	2,325.05	1/4	1,966.44	1/4	1,607.84	1/4	1,249.23	1/4	891.17	1/4	532.09	1/4	172.57	1/4		1/4			
1/2	2,317.58	1/2	1,958.97	1/2	1,600.37	1/2	1,241.76	1/2	883.71	1/2	524.60	1/2	165.08	1/2		1/2			
3/4	2,310.11	3/4	1,951.50	3/4	1,592.90	3/4	1,234.29	3/4	876.25	3/4	517.11	3/4	157.59	3/4		3/4			
6	2,302.64	6	1,944.03	6	1,585.42	6	1,226.81	6	868.79	6	509.62	6	150.10	6		6			
1/4	2,295.17	1/4	1,936.56	1/4	1,577.95	1/4	1,219.34	1/4	861.33	1/4	502.13	1/4	142.61	1/4		1/4			
1/2	2,287.70	1/2	1,929.09	1/2	1,570.48	1/2	1,211.88	1/2	853.87	1/2	494.64	1/2	135.12	1/2		1/2			
3/4	2,280.23	3/4	1,921.62	3/4	1,563.01	3/4	1,204.42	3/4	846.42	3/4	487.15	3/4	127.63	3/4		3/4			
7	2,272.75	7	1,914.15	7	1,555.54	7	1,196.95	7	838.96	7	479.66	7	120.14	7		7			
1/4	2,265.28	1/4	1,906.68	1/4	1,548.07	1/4	1,189.49	1/4	831.50	1/4	472.17	1/4	112.65	1/4		1/4			
1/2	2,257.81	1/2	1,899.21	1/2	1,540.60	1/2	1,182.03	1/2	824.04	1/2	464.68	1/2	105.16	1/2		1/2			
3/4	2,250.34	3/4	1,891.74	3/4	1,533.13	3/4	1,174.57	3/4	816.59	3/4	457.19	3/4	97.67	3/4		3/4			
8	2,242.87	8	1,884.26	8	1,525.65	8	1,167.11	8	809.13	8	449.70	8	90.18	8		8			
1/4	2,235.40	1/4	1,876.79	1/4	1,518.18	1/4	1,159.65	1/4	801.67	1/4	442.21	1/4	82.69	1/4		1/4			
1/2	2,227.93	1/2	1,869.32	1/2	1,510.71	1/2	1,152.19	1/2	794.20	1/2	434.72	1/2	76.05	1/2		1/2			
3/4	2,220.46	3/4	1,861.85	3/4	1,503.24	3/4	1,144.74	3/4	786.72	3/4	427.23	3/4	69.42	3/4		3/4			
9	2,212.99	9	1,854.38	9	1,495.77	9	1,137.28	9	779.25	9	419.74	9	62.78	9		9			
1/4	2,205.52	1/4	1,846.91	1/4	1,488.30	1/4	1,129.82	1/4	771.77	1/4	412.25	1/4	56.14	1/4		1/4			
1/2	2,198.05	1/2	1,839.44	1/2	1,480.83	1/2	1,122.36	1/2	764.28	1/2	404.76	1/2	50.70	1/2		1/2			
3/4	2,190.58	3/4	1,831.97	3/4	1,473.36	3/4	1,114.91	3/4	756.79	3/4	397.27	3/4	45.26	3/4		3/4			
10	2,183.10	10	1,824.49	10	1,465.89	10	1,107.45	10	749.30	10	389.78	10	39.81	10		10			
1/4	2,175.63	1/4	1,817.02	1/4	1,458.42	1/4	1,099.99	1/4	741.81	1/4	382.29	1/4	34.37	1/4		1/4			
1/2	2,168.16	1/2	1,809.55	1/2	1,450.95	1/2	1,092.53	1/2	734.32	1/2	374.80	1/2	30.29	1/2		1/2			
3/4	2,160.69	3/4	1,802.08	3/4	1,443.48	3/4	1,085.08	3/4	726.83	3/4	367.31	3/4	26.21	3/4		3/4			
11	2,153.22	11	1,794.61	11	1,436.00	11	1,077.62	11	719.34	11	359.82	11	22.13	11		11			
1/4	2,145.75	1/4	1,787.14	1/4	1,428.53	1/4	1,070.16	1/4	711.85	1/4	352.33	1/4	18.05	1/4		1/4			
1/2	2,138.28	1/2	1,779.67	1/2	1,421.06	1/2	1,062.70	1/2	704.36	1/2	344.84	1/2		1/2		1/2			
3/4	2,130.81	3/4	1,772.20	3/4	1,413.59	3/4	1,055.25	3/4	696.87	3/4	337.35	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2002 INSP  
RECALCULATED: 08/08/2023 CL  
VERIFIED: 08/08/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 30086"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3017"

GAUGE HEIGHT 16'-11 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
0		0		0		0		0		0		0		0		0		0	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		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 ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "KIRBY 30086"

## 2 STBD ULLAGE TABLE

US LIQUID CAPACITY IN U.S. GALLONS

FORMERLY "WTC 3017"

GAUGE HEIGHT 16'-11 1/2"

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	2,489.42	0	2,130.81	0	1,772.20	0	1,413.59	0	1,055.25	0	696.87	0	337.35	0		0		0	
1/4	2,481.94	1/4	2,123.33	1/4	1,764.73	1/4	1,406.12	1/4	1,047.79	1/4	689.38	1/4	329.86	1/4	1/4	1/4		1/4	
1/2	2,474.47	1/2	2,115.86	1/2	1,757.26	1/2	1,398.65	1/2	1,040.33	1/2	681.89	1/2	322.37	1/2	1/2	1/2		1/2	
3/4	2,467.00	3/4	2,108.39	3/4	1,749.79	3/4	1,391.18	3/4	1,032.87	3/4	674.40	3/4	314.88	3/4	3/4	3/4		3/4	
1	2,459.53	1	2,100.92	1	1,742.32	1	1,383.71	1	1,025.41	1	666.91	1	307.39	1	1	1		1	
1/4	2,452.06	1/4	2,093.45	1/4	1,734.84	1/4	1,376.23	1/4	1,017.95	1/4	659.42	1/4	299.90	1/4	1/4	1/4		1/4	
1/2	2,444.59	1/2	2,085.98	1/2	1,727.37	1/2	1,368.76	1/2	1,010.49	1/2	651.93	1/2	292.41	1/2	1/2	1/2		1/2	
3/4	2,437.12	3/4	2,078.51	3/4	1,719.90	3/4	1,361.29	3/4	1,003.03	3/4	644.44	3/4	284.92	3/4	3/4	3/4		3/4	
2	2,429.65	2	2,071.04	2	1,712.43	2	1,353.82	2	995.58	2	636.95	2	277.43	2	2	2		2	
1/4	2,422.17	1/4	2,063.57	1/4	1,704.96	1/4	1,346.35	1/4	988.12	1/4	629.46	1/4	269.94	1/4	1/4	1/4		1/4	
1/2	2,414.70	1/2	2,056.10	1/2	1,697.49	1/2	1,338.88	1/2	980.66	1/2	621.97	1/2	262.45	1/2	1/2	1/2		1/2	
3/4	2,407.23	3/4	2,048.63	3/4	1,690.02	3/4	1,331.41	3/4	973.20	3/4	614.48	3/4	254.96	3/4	3/4	3/4		3/4	
3	2,399.76	3	2,041.16	3	1,682.55	3	1,323.94	3	965.75	3	606.99	3	247.47	3	3	3		3	
1/4	2,392.29	1/4	2,033.68	1/4	1,675.07	1/4	1,316.47	1/4	958.29	1/4	599.50	1/4	239.98	1/4	1/4	1/4		1/4	
1/2	2,384.82	1/2	2,026.21	1/2	1,667.60	1/2	1,309.00	1/2	950.83	1/2	592.01	1/2	232.49	1/2	1/2	1/2		1/2	
3/4	2,377.35	3/4	2,018.74	3/4	1,660.13	3/4	1,301.53	3/4	943.37	3/4	584.52	3/4	225.00	3/4	3/4	3/4		3/4	
4	2,369.88	4	2,011.27	4	1,652.66	4	1,294.06	4	935.92	4	577.03	4	217.51	4	4	4		4	
1/4	2,362.41	1/4	2,003.80	1/4	1,645.19	1/4	1,286.58	1/4	928.46	1/4	569.54	1/4	210.02	1/4	1/4	1/4		1/4	
1/2	2,354.94	1/2	1,996.33	1/2	1,637.72	1/2	1,279.11	1/2	921.00	1/2	562.05	1/2	202.53	1/2	1/2	1/2		1/2	
3/4	2,347.47	3/4	1,988.86	3/4	1,630.25	3/4	1,271.64	3/4	913.54	3/4	554.56	3/4	195.04	3/4	3/4	3/4		3/4	
5	2,340.00	5	1,981.39	5	1,622.78	5	1,264.17	5	906.09	5	547.07	5	187.55	5	5	5		5	
1/4	2,332.52	1/4	1,973.91	1/4	1,615.31	1/4	1,256.70	1/4	898.63	1/4	539.58	1/4	180.06	1/4	1/4	1/4		1/4	
1/2	2,325.05	1/2	1,966.44	1/2	1,607.84	1/2	1,249.23	1/2	891.17	1/2	532.09	1/2	172.57	1/2	1/2	1/2		1/2	
3/4	2,317.58	3/4	1,958.97	3/4	1,600.37	3/4	1,241.76	3/4	883.71	3/4	524.60	3/4	165.08	3/4	3/4	3/4		3/4	
6	2,310.11	6	1,951.50	6	1,592.90	6	1,234.29	6	876.25	6	517.11	6	157.59	6	6	6		6	
1/4	2,302.64	1/4	1,944.03	1/4	1,585.42	1/4	1,226.81	1/4	868.79	1/4	509.62	1/4	150.10	1/4	1/4	1/4		1/4	
1/2	2,295.17	1/2	1,936.56	1/2	1,577.95	1/2	1,219.34	1/2	861.33	1/2	502.13	1/2	142.61	1/2	1/2	1/2		1/2	
3/4	2,287.70	3/4	1,929.09	3/4	1,570.48	3/4	1,211.88	3/4	853.87	3/4	494.64	3/4	135.12	3/4	3/4	3/4		3/4	
7	2,280.23	7	1,921.62	7	1,563.01	7	1,204.42	7	846.42	7	487.15	7	127.63	7	7	7		7	
1/4	2,272.75	1/4	1,914.15	1/4	1,555.54	1/4	1,196.95	1/4	838.96	1/4	479.66	1/4	120.14	1/4	1/4	1/4		1/4	
1/2	2,265.28	1/2	1,906.68	1/2	1,548.07	1/2	1,189.49	1/2	831.50	1/2	472.17	1/2	112.65	1/2	1/2	1/2		1/2	
3/4	2,257.81	3/4	1,899.21	3/4	1,540.60	3/4	1,182.03	3/4	824.04	3/4	464.68	3/4	105.16	3/4	3/4	3/4		3/4	
8	2,250.34	8	1,891.74	8	1,533.13	8	1,174.57	8	816.59	8	457.19	8	97.67	8	8	8		8	
1/4	2,242.87	1/4	1,884.26	1/4	1,525.65	1/4	1,167.11	1/4	809.13	1/4	449.70	1/4	90.18	1/4	1/4	1/4		1/4	
1/2	2,235.40	1/2	1,876.79	1/2	1,518.18	1/2	1,159.65	1/2	801.67	1/2	442.21	1/2	82.69	1/2	1/2	1/2		1/2	
3/4	2,227.93	3/4	1,869.32	3/4	1,510.71	3/4	1,152.19	3/4	794.20	3/4	434.72	3/4	76.05	3/4	3/4	3/4		3/4	
9	2,220.46	9	1,861.85	9	1,503.24	9	1,144.74	9	786.72	9	427.23	9	69.42	9	9	9		9	
1/4	2,212.99	1/4	1,854.38	1/4	1,495.77	1/4	1,137.28	1/4	779.25	1/4	419.74	1/4	62.78	1/4	1/4	1/4		1/4	
1/2	2,205.52	1/2	1,846.91	1/2	1,488.30	1/2	1,129.82	1/2	771.77	1/2	412.25	1/2	56.14	1/2	1/2	1/2		1/2	
3/4	2,198.05	3/4	1,839.44	3/4	1,480.83	3/4	1,122.36	3/4	764.28	3/4	404.76	3/4	50.70	3/4	3/4	3/4		3/4	
10	2,190.58	10	1,831.97	10	1,473.36	10	1,114.91	10	756.79	10	397.27	10	45.26	10	10	10		10	
1/4	2,183.10	1/4	1,824.49	1/4	1,465.89	1/4	1,107.45	1/4	749.30	1/4	389.78	1/4	39.81	1/4	1/4	1/4		1/4	
1/2	2,175.63	1/2	1,817.02	1/2	1,458.42	1/2	1,099.99	1/2	741.81	1/2	382.29	1/2	34.37	1/2	1/2	1/2		1/2	
3/4	2,168.16	3/4	1,809.55	3/4	1,450.95	3/4	1,092.53	3/4	734.32	3/4	374.80	3/4	30.29	3/4	3/4	3/4		3/4	
11	2,160.69	11	1,802.08	11	1,443.48	11	1,085.08	11	726.83	11	367.31	11	26.21	11	11	11		11	
1/4	2,153.22	1/4	1,794.61	1/4	1,436.00	1/4	1,077.62	1/4	719.34	1/4	359.82	1/4	22.13	1/4	1/4	1/4		1/4	
1/2	2,145.75	1/2	1,787.14	1/2	1,428.53	1/2	1,070.16	1/2	711.85	1/2	352.33	1/2	18.05	1/2	1/2	1/2		1/2	
3/4	2,138.28	3/4	1,779.67	3/4	1,421.06	3/4	1,062.70	3/4	704.36	3/4	344.84	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2002 INSP  
RECALCULATED: 08/08/2023 CL  
VERIFIED: 08/08/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 30086"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3017"

GAUGE HEIGHT 16'-10 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
0		0		0		0		0		0		0		0		0		0	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	

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 43'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 30086"

## 3 PORT ULLAGE TABLE

CAPACITY IN U.S. GALLONS

FORMERLY "WTC 3017"

GAUGE HEIGHT 16'-10 1/2"

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	2,451.91	0	2,094.21	0	1,736.52	0	1,378.82	0	1,021.12	0	663.43	0	305.73	0		0			
1/4	2,444.45	1/4	2,086.75	1/4	1,729.06	1/4	1,371.36	1/4	1,013.67	1/4	655.97	1/4	298.27	1/4		1/4			
1/2	2,437.00	1/2	2,079.30	1/2	1,721.61	1/2	1,363.91	1/2	1,006.22	1/2	648.52	1/2	290.82	1/2		1/2			
3/4	2,429.55	3/4	2,071.85	3/4	1,714.16	3/4	1,356.46	3/4	998.77	3/4	641.07	3/4	283.37	3/4		3/4			
1	2,422.10	1	2,064.40	1	1,706.71	1	1,349.01	1	991.32	1	633.62	1	275.92	1		1			
1/4	2,414.64	1/4	2,056.95	1/4	1,699.25	1/4	1,341.55	1/4	983.86	1/4	626.16	1/4	268.47	1/4		1/4			
1/2	2,407.19	1/2	2,049.50	1/2	1,691.80	1/2	1,334.10	1/2	976.41	1/2	618.71	1/2	261.02	1/2		1/2			
3/4	2,399.74	3/4	2,042.05	3/4	1,684.35	3/4	1,326.65	3/4	968.96	3/4	611.26	3/4	253.57	3/4		3/4			
2	2,392.29	2	2,034.60	2	1,676.90	2	1,319.20	2	961.51	2	603.81	2	246.12	2		2			
1/4	2,384.83	1/4	2,027.14	1/4	1,669.44	1/4	1,311.75	1/4	954.05	1/4	596.35	1/4	238.66	1/4		1/4			
1/2	2,377.38	1/2	2,019.69	1/2	1,661.99	1/2	1,304.30	1/2	946.60	1/2	588.90	1/2	231.21	1/2		1/2			
3/4	2,369.93	3/4	2,012.24	3/4	1,654.54	3/4	1,296.85	3/4	939.15	3/4	581.45	3/4	223.76	3/4		3/4			
3	2,362.48	3	2,004.79	3	1,647.09	3	1,289.40	3	931.70	3	574.00	3	216.31	3		3			
1/4	2,355.03	1/4	1,997.33	1/4	1,639.63	1/4	1,281.94	1/4	924.24	1/4	566.55	1/4	208.85	1/4		1/4			
1/2	2,347.58	1/2	1,989.88	1/2	1,632.18	1/2	1,274.49	1/2	916.79	1/2	559.10	1/2	201.40	1/2		1/2			
3/4	2,340.13	3/4	1,982.43	3/4	1,624.73	3/4	1,267.04	3/4	909.34	3/4	551.65	3/4	193.95	3/4		3/4			
4	2,332.68	4	1,974.98	4	1,617.28	4	1,259.59	4	901.89	4	544.20	4	186.50	4		4			
1/4	2,325.22	1/4	1,967.52	1/4	1,609.83	1/4	1,252.13	1/4	894.43	1/4	536.74	1/4	179.04	1/4		1/4			
1/2	2,317.77	1/2	1,960.07	1/2	1,602.38	1/2	1,244.68	1/2	886.98	1/2	529.29	1/2	171.59	1/2		1/2			
3/4	2,310.32	3/4	1,952.62	3/4	1,594.93	3/4	1,237.23	3/4	879.53	3/4	521.84	3/4	164.14	3/4		3/4			
5	2,302.87	5	1,945.17	5	1,587.48	5	1,229.78	5	872.08	5	514.39	5	156.69	5		5			
1/4	2,295.41	1/4	1,937.71	1/4	1,580.02	1/4	1,222.32	1/4	864.63	1/4	506.93	1/4	149.23	1/4		1/4			
1/2	2,287.96	1/2	1,930.26	1/2	1,572.57	1/2	1,214.87	1/2	857.18	1/2	499.48	1/2	141.78	1/2		1/2			
3/4	2,280.51	3/4	1,922.81	3/4	1,565.12	3/4	1,207.42	3/4	849.73	3/4	492.03	3/4	134.33	3/4		3/4			
6	2,273.06	6	1,915.36	6	1,557.67	6	1,199.97	6	842.28	6	484.58	6	126.88	6		6			
1/4	2,265.60	1/4	1,907.91	1/4	1,550.21	1/4	1,192.51	1/4	834.82	1/4	477.12	1/4	119.43	1/4		1/4			
1/2	2,258.15	1/2	1,900.46	1/2	1,542.76	1/2	1,185.06	1/2	827.37	1/2	469.67	1/2	111.98	1/2		1/2			
3/4	2,250.70	3/4	1,893.01	3/4	1,535.31	3/4	1,177.61	3/4	819.92	3/4	462.22	3/4	104.53	3/4		3/4			
7	2,243.25	7	1,885.56	7	1,527.86	7	1,170.16	7	812.47	7	454.77	7	97.08	7		7			
1/4	2,235.79	1/4	1,878.10	1/4	1,520.40	1/4	1,162.71	1/4	805.01	1/4	447.31	1/4	89.62	1/4		1/4			
1/2	2,228.34	1/2	1,870.65	1/2	1,512.95	1/2	1,155.26	1/2	797.56	1/2	439.86	1/2	82.17	1/2		1/2			
3/4	2,220.89	3/4	1,863.20	3/4	1,505.50	3/4	1,147.81	3/4	790.11	3/4	432.41	3/4	75.58	3/4		3/4			
8	2,213.44	8	1,855.75	8	1,498.05	8	1,140.36	8	782.66	8	424.96	8	68.98	8		8			
1/4	2,205.99	1/4	1,848.29	1/4	1,490.59	1/4	1,132.90	1/4	775.20	1/4	417.51	1/4	62.39	1/4		1/4			
1/2	2,198.54	1/2	1,840.84	1/2	1,483.14	1/2	1,125.45	1/2	767.75	1/2	410.06	1/2	55.79	1/2		1/2			
3/4	2,191.09	3/4	1,833.39	3/4	1,475.69	3/4	1,118.00	3/4	760.30	3/4	402.61	3/4	50.38	3/4		3/4			
9	2,183.64	9	1,825.94	9	1,468.24	9	1,110.55	9	752.85	9	395.16	9	44.97	9		9			
1/4	2,176.18	1/4	1,818.48	1/4	1,460.79	1/4	1,103.09	1/4	745.39	1/4	387.70	1/4	39.56	1/4		1/4			
1/2	2,168.73	1/2	1,811.03	1/2	1,453.34	1/2	1,095.64	1/2	737.94	1/2	380.25	1/2	34.15	1/2		1/2			
3/4	2,161.28	3/4	1,803.58	3/4	1,445.89	3/4	1,088.19	3/4	730.49	3/4	372.80	3/4	30.10	3/4		3/4			
10	2,153.83	10	1,796.13	10	1,438.44	10	1,080.74	10	723.04	10	365.35	10	26.05	10		10			
1/4	2,146.37	1/4	1,788.67	1/4	1,430.98	1/4	1,073.28	1/4	715.59	1/4	357.89	1/4	22.00	1/4		1/4			
1/2	2,138.92	1/2	1,781.22	1/2	1,423.53	1/2	1,065.83	1/2	708.14	1/2	350.44	1/2	17.95	1/2		1/2			
3/4	2,131.47	3/4	1,773.77	3/4	1,416.08	3/4	1,058.38	3/4	700.69	3/4	342.99	3/4		3/4		3/4			
11	2,124.02	11	1,766.32	11	1,408.63	11	1,050.93	11	693.24	11	335.54	11		11		11			
1/4	2,116.56	1/4	1,758.87	1/4	1,401.17	1/4	1,043.47	1/4	685.78	1/4	328.08	1/4		1/4		1/4			
1/2	2,109.11	1/2	1,751.42	1/2	1,393.72	1/2	1,036.02	1/2	678.33	1/2	320.63	1/2		1/2		1/2			
3/4	2,101.66	3/4	1,743.97	3/4	1,386.27	3/4	1,028.57	3/4	670.88	3/4	313.18	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2002 INSP  
RECALCULATED: 08/08/2023 CL  
VERIFIED: 08/08/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 30086"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3017"

GAUGE HEIGHT 16'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
0		0		0		0		0		0		0		0		0		0	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	

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 43'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 30086"

3 STBD  
ULLAGE TABLE

CAPACITY IN U.S. GALLONS

FORMERLY "WTC 3017"

GAUGE HEIGHT 16'-11"

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	2,466.81	0	2,109.11	0	1,751.42	0	1,393.72	0	1,036.02	0	678.33	0	320.63	0		0		0	
1/4	2,459.36	1/4	2,101.66	1/4	1,743.97	1/4	1,386.27	1/4	1,028.57	1/4	670.88	1/4	313.18	1/4		1/4		1/4	
1/2	2,451.91	1/2	2,094.21	1/2	1,736.52	1/2	1,378.82	1/2	1,021.12	1/2	663.43	1/2	305.73	1/2		1/2		1/2	
3/4	2,444.45	3/4	2,086.75	3/4	1,729.06	3/4	1,371.36	3/4	1,013.67	3/4	655.97	3/4	298.27	3/4		3/4		3/4	
1	2,437.00	1	2,079.30	1	1,721.61	1	1,363.91	1	1,006.22	1	648.52	1	290.82	1		1		1	
1/4	2,429.55	1/4	2,071.85	1/4	1,714.16	1/4	1,356.46	1/4	998.77	1/4	641.07	1/4	283.37	1/4		1/4		1/4	
1/2	2,422.10	1/2	2,064.40	1/2	1,706.71	1/2	1,349.01	1/2	991.32	1/2	633.62	1/2	275.92	1/2		1/2		1/2	
3/4	2,414.64	3/4	2,056.95	3/4	1,699.25	3/4	1,341.55	3/4	983.86	3/4	626.16	3/4	268.47	3/4		3/4		3/4	
2	2,407.19	2	2,049.50	2	1,691.80	2	1,334.10	2	976.41	2	618.71	2	261.02	2		2		2	
1/4	2,399.74	1/4	2,042.05	1/4	1,684.35	1/4	1,326.65	1/4	968.96	1/4	611.26	1/4	253.57	1/4		1/4		1/4	
1/2	2,392.29	1/2	2,034.60	1/2	1,676.90	1/2	1,319.20	1/2	961.51	1/2	603.81	1/2	246.12	1/2		1/2		1/2	
3/4	2,384.83	3/4	2,027.14	3/4	1,669.44	3/4	1,311.75	3/4	954.05	3/4	596.35	3/4	238.66	3/4		3/4		3/4	
3	2,377.38	3	2,019.69	3	1,661.99	3	1,304.30	3	946.60	3	588.90	3	231.21	3		3		3	
1/4	2,369.93	1/4	2,012.24	1/4	1,654.54	1/4	1,296.85	1/4	939.15	1/4	581.45	1/4	223.76	1/4		1/4		1/4	
1/2	2,362.48	1/2	2,004.79	1/2	1,647.09	1/2	1,289.40	1/2	931.70	1/2	574.00	1/2	216.31	1/2		1/2		1/2	
3/4	2,355.03	3/4	1,997.33	3/4	1,639.63	3/4	1,281.94	3/4	924.24	3/4	566.55	3/4	208.85	3/4		3/4		3/4	
4	2,347.58	4	1,989.88	4	1,632.18	4	1,274.49	4	916.79	4	559.10	4	201.40	4		4		4	
1/4	2,340.13	1/4	1,982.43	1/4	1,624.73	1/4	1,267.04	1/4	909.34	1/4	551.65	1/4	193.95	1/4		1/4		1/4	
1/2	2,332.68	1/2	1,974.98	1/2	1,617.28	1/2	1,259.59	1/2	901.89	1/2	544.20	1/2	186.50	1/2		1/2		1/2	
3/4	2,325.22	3/4	1,967.52	3/4	1,609.83	3/4	1,252.13	3/4	894.43	3/4	536.74	3/4	179.04	3/4		3/4		3/4	
5	2,317.77	5	1,960.07	5	1,602.38	5	1,244.68	5	886.98	5	529.29	5	171.59	5		5		5	
1/4	2,310.32	1/4	1,952.62	1/4	1,594.93	1/4	1,237.23	1/4	879.53	1/4	521.84	1/4	164.14	1/4		1/4		1/4	
1/2	2,302.87	1/2	1,945.17	1/2	1,587.48	1/2	1,229.78	1/2	872.08	1/2	514.39	1/2	156.69	1/2		1/2		1/2	
3/4	2,295.41	3/4	1,937.71	3/4	1,580.02	3/4	1,222.32	3/4	864.63	3/4	506.93	3/4	149.23	3/4		3/4		3/4	
6	2,287.96	6	1,930.26	6	1,572.57	6	1,214.87	6	857.18	6	499.48	6	141.78	6		6		6	
1/4	2,280.51	1/4	1,922.81	1/4	1,565.12	1/4	1,207.42	1/4	849.73	1/4	492.03	1/4	134.33	1/4		1/4		1/4	
1/2	2,273.06	1/2	1,915.36	1/2	1,557.67	1/2	1,199.97	1/2	842.28	1/2	484.58	1/2	126.88	1/2		1/2		1/2	
3/4	2,265.60	3/4	1,907.91	3/4	1,550.21	3/4	1,192.51	3/4	834.82	3/4	477.12	3/4	119.43	3/4		3/4		3/4	
7	2,258.15	7	1,900.46	7	1,542.76	7	1,185.06	7	827.37	7	469.67	7	111.98	7		7		7	
1/4	2,250.70	1/4	1,893.01	1/4	1,535.31	1/4	1,177.61	1/4	819.92	1/4	462.22	1/4	104.53	1/4		1/4		1/4	
1/2	2,243.25	1/2	1,885.56	1/2	1,527.86	1/2	1,170.16	1/2	812.47	1/2	454.77	1/2	97.08	1/2		1/2		1/2	
3/4	2,235.79	3/4	1,878.10	3/4	1,520.40	3/4	1,162.71	3/4	805.01	3/4	447.31	3/4	89.62	3/4		3/4		3/4	
8	2,228.34	8	1,870.65	8	1,512.95	8	1,155.26	8	797.56	8	439.86	8	82.17	8		8		8	
1/4	2,220.89	1/4	1,863.20	1/4	1,505.50	1/4	1,147.81	1/4	790.11	1/4	432.41	1/4	75.58	1/4		1/4		1/4	
1/2	2,213.44	1/2	1,855.75	1/2	1,498.05	1/2	1,140.36	1/2	782.66	1/2	424.96	1/2	68.98	1/2		1/2		1/2	
3/4	2,205.99	3/4	1,848.29	3/4	1,490.59	3/4	1,132.90	3/4	775.20	3/4	417.51	3/4	62.39	3/4		3/4		3/4	
9	2,198.54	9	1,840.84	9	1,483.14	9	1,125.45	9	767.75	9	410.06	9	55.79	9		9		9	
1/4	2,191.09	1/4	1,833.39	1/4	1,475.69	1/4	1,118.00	1/4	760.30	1/4	402.61	1/4	50.38	1/4		1/4		1/4	
1/2	2,183.64	1/2	1,825.94	1/2	1,468.24	1/2	1,110.55	1/2	752.85	1/2	395.16	1/2	44.97	1/2		1/2		1/2	
3/4	2,176.18	3/4	1,818.48	3/4	1,460.79	3/4	1,103.09	3/4	745.39	3/4	387.70	3/4	39.56	3/4		3/4		3/4	
10	2,168.73	10	1,811.03	10	1,453.34	10	1,095.64	10	737.94	10	380.25	10	34.15	10		10		10	
1/4	2,161.28	1/4	1,803.58	1/4	1,445.89	1/4	1,088.19	1/4	730.49	1/4	372.80	1/4	30.10	1/4		1/4		1/4	
1/2	2,153.83	1/2	1,796.13	1/2	1,438.44	1/2	1,080.74	1/2	723.04	1/2	365.35	1/2	26.05	1/2		1/2		1/2	
3/4	2,146.37	3/4	1,788.67	3/4	1,430.98	3/4	1,073.28	3/4	715.59	3/4	357.89	3/4	22.00	3/4		3/4		3/4	
11	2,138.92	11	1,781.22	11	1,423.53	11	1,065.83	11	708.14	11	350.44	11	17.95	11		11		11	
1/4	2,131.47	1/4	1,773.77	1/4	1,416.08	1/4	1,058.38	1/4	700.69	1/4	342.99	1/4		1/4		1/4		1/4	
1/2	2,124.02	1/2	1,766.32	1/2	1,408.63	1/2	1,050.93	1/2	693.24	1/2	335.54	1/2		1/2		1/2		1/2	
3/4	2,116.56	3/4	1,758.87	3/4	1,401.17	3/4	1,043.47	3/4	685.78	3/4	328.08	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2002 INSP  
RECALCULATED: 08/08/2023 CL  
VERIFIED: 08/08/2023 CL

PRECISION MEASUREMENT  
& ANALYSIS, INC.

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2023

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 30086"

## FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 5'-09 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	381	0	761	0	1,142	0	1,523	0		0		0		0		0	
1/4	8	1/4	389	1/4	769	1/4	1,150	1/4	1,531	1/4		1/4		1/4		1/4		1/4	
1/2	16	1/2	397	1/2	777	1/2	1,158	1/2	1,539	1/2		1/2		1/2		1/2		1/2	
3/4	24	3/4	405	3/4	785	3/4	1,166	3/4	1,547	3/4		3/4		3/4		3/4		3/4	
1	32	1	412	1	793	1	1,174	1	1,555	1		1		1		1		1	
1/4	40	1/4	420	1/4	801	1/4	1,182	1/4	1,563	1/4		1/4		1/4		1/4		1/4	
1/2	48	1/2	428	1/2	809	1/2	1,190	1/2	1,570	1/2		1/2		1/2		1/2		1/2	
3/4	56	3/4	436	3/4	817	3/4	1,198	3/4	1,578	3/4		3/4		3/4		3/4		3/4	
2	63	2	444	2	825	2	1,206	2	1,586	2		2		2		2		2	
1/4	71	1/4	452	1/4	833	1/4	1,214	1/4	1,594	1/4		1/4		1/4		1/4		1/4	
1/2	79	1/2	460	1/2	841	1/2	1,221	1/2	1,602	1/2		1/2		1/2		1/2		1/2	
3/4	87	3/4	468	3/4	849	3/4	1,229	3/4	1,610	3/4		3/4		3/4		3/4		3/4	
3	95	3	476	3	857	3	1,237	3	1,618	3		3		3		3		3	
1/4	103	1/4	484	1/4	865	1/4	1,245	1/4	1,626	1/4		1/4		1/4		1/4		1/4	
1/2	111	1/2	492	1/2	872	1/2	1,253	1/2	1,634	1/2		1/2		1/2		1/2		1/2	
3/4	119	3/4	500	3/4	880	3/4	1,261	3/4	1,642	3/4		3/4		3/4		3/4		3/4	
4	127	4	508	4	888	4	1,269	4	1,650	4		4		4		4		4	
1/4	135	1/4	516	1/4	896	1/4	1,277	1/4	1,658	1/4		1/4		1/4		1/4		1/4	
1/2	143	1/2	523	1/2	904	1/2	1,285	1/2	1,666	1/2		1/2		1/2		1/2		1/2	
3/4	151	3/4	531	3/4	912	3/4	1,293	3/4	1,674	3/4		3/4		3/4		3/4		3/4	
5	159	5	539	5	920	5	1,301	5	1,682	5		5		5		5		5	
1/4	167	1/4	547	1/4	928	1/4	1,309	1/4	1,689	1/4		1/4		1/4		1/4		1/4	
1/2	174	1/2	555	1/2	936	1/2	1,317	1/2	1,697	1/2		1/2		1/2		1/2		1/2	
3/4	182	3/4	563	3/4	944	3/4	1,325	3/4	1,705	3/4		3/4		3/4		3/4		3/4	
6	190	6	571	6	952	6	1,333	6	1,713	6		6		6		6		6	
1/4	198	1/4	579	1/4	960	1/4	1,340	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	206	1/2	587	1/2	968	1/2	1,348	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	214	3/4	595	3/4	976	3/4	1,356	3/4		3/4		3/4		3/4		3/4		3/4	
7	222	7	603	7	984	7	1,364	7		7		7		7		7		7	
1/4	230	1/4	611	1/4	991	1/4	1,372	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	238	1/2	619	1/2	999	1/2	1,380	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	246	3/4	627	3/4	1,007	3/4	1,388	3/4		3/4		3/4		3/4		3/4		3/4	
8	254	8	635	8	1,015	8	1,396	8		8		8		8		8		8	
1/4	262	1/4	642	1/4	1,023	1/4	1,404	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	270	1/2	650	1/2	1,031	1/2	1,412	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	278	3/4	658	3/4	1,039	3/4	1,420	3/4		3/4		3/4		3/4		3/4		3/4	
9	286	9	666	9	1,047	9	1,428	9		9		9		9		9		9	
1/4	293	1/4	674	1/4	1,055	1/4	1,436	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	301	1/2	682	1/2	1,063	1/2	1,444	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	309	3/4	690	3/4	1,071	3/4	1,452	3/4		3/4		3/4		3/4		3/4		3/4	
10	317	10	698	10	1,079	10	1,459	10		10		10		10		10		10	
1/4	325	1/4	706	1/4	1,087	1/4	1,467	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	333	1/2	714	1/2	1,095	1/2	1,475	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	341	3/4	722	3/4	1,103	3/4	1,483	3/4		3/4		3/4		3/4		3/4		3/4	
11	349	11	730	11	1,110	11	1,491	11		11		11		11		11		11	
1/4	357	1/4	738	1/4	1,118	1/4	1,499	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	365	1/2	746	1/2	1,126	1/2	1,507	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	373	3/4	754	3/4	1,134	3/4	1,515	3/4		3/4		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 AT GAUGE POINT.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" PIPE.

STRAPPED: 08/08/2023 CL  
CALCULATED: 08/08/2023 CL  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2023

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 30086"

## PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 5'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	961	0	1,923	0	2,884	0	3,846	0		0		0		0		0	
1/4	20	1/4	981	1/4	1,943	1/4	2,904	1/4	3,866	1/4		1/4		1/4		1/4		1/4	
1/2	40	1/2	1,001	1/2	1,963	1/2	2,924	1/2	3,886	1/2		1/2		1/2		1/2		1/2	
3/4	60	3/4	1,021	3/4	1,983	3/4	2,944	3/4	3,906	3/4		3/4		3/4		3/4		3/4	
1	80	1	1,042	1	2,003	1	2,964	1	3,926	1		1		1		1		1	
1/4	100	1/4	1,062	1/4	2,023	1/4	2,984	1/4	3,946	1/4		1/4		1/4		1/4		1/4	
1/2	120	1/2	1,082	1/2	2,043	1/2	3,004	1/2	3,966	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	1,102	3/4	2,063	3/4	3,024	3/4	3,986	3/4		3/4		3/4		3/4		3/4	
2	160	2	1,122	2	2,083	2	3,044	2	4,006	2		2		2		2		2	
1/4	180	1/4	1,142	1/4	2,103	1/4	3,064	1/4	4,026	1/4		1/4		1/4		1/4		1/4	
1/2	200	1/2	1,162	1/2	2,123	1/2	3,085	1/2	4,046	1/2		1/2		1/2		1/2		1/2	
3/4	220	3/4	1,182	3/4	2,143	3/4	3,105	3/4	4,066	3/4		3/4		3/4		3/4		3/4	
3	240	3	1,202	3	2,163	3	3,125	3	4,086	3		3		3		3		3	
1/4	260	1/4	1,222	1/4	2,183	1/4	3,145	1/4	4,106	1/4		1/4		1/4		1/4		1/4	
1/2	280	1/2	1,242	1/2	2,203	1/2	3,165	1/2	4,126	1/2		1/2		1/2		1/2		1/2	
3/4	300	3/4	1,262	3/4	2,223	3/4	3,185	3/4	4,146	3/4		3/4		3/4		3/4		3/4	
4	320	4	1,282	4	2,243	4	3,205	4	4,166	4		4		4		4		4	
1/4	340	1/4	1,302	1/4	2,263	1/4	3,225	1/4	4,186	1/4		1/4		1/4		1/4		1/4	
1/2	361	1/2	1,322	1/2	2,283	1/2	3,245	1/2	4,206	1/2		1/2		1/2		1/2		1/2	
3/4	381	3/4	1,342	3/4	2,303	3/4	3,265	3/4	4,226	3/4		3/4		3/4		3/4		3/4	
5	401	5	1,362	5	2,323	5	3,285	5	4,246	5		5		5		5		5	
1/4	421	1/4	1,382	1/4	2,343	1/4	3,305	1/4	4,254	1/4		1/4		1/4		1/4		1/4	
1/2	441	1/2	1,402	1/2	2,363	1/2	3,325	1/2	4,262	1/2		1/2		1/2		1/2		1/2	
3/4	461	3/4	1,422	3/4	2,383	3/4	3,345	3/4	4,270	3/4		3/4		3/4		3/4		3/4	
6	481	6	1,442	6	2,404	6	3,365	6	4,278	6		6		6		6		6	
1/4	501	1/4	1,462	1/4	2,424	1/4	3,385	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	521	1/2	1,482	1/2	2,444	1/2	3,405	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	541	3/4	1,502	3/4	2,464	3/4	3,425	3/4		3/4		3/4		3/4		3/4		3/4	
7	561	7	1,522	7	2,484	7	3,445	7		7		7		7		7		7	
1/4	581	1/4	1,542	1/4	2,504	1/4	3,465	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	601	1/2	1,562	1/2	2,524	1/2	3,485	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	621	3/4	1,582	3/4	2,544	3/4	3,505	3/4		3/4		3/4		3/4		3/4		3/4	
8	641	8	1,602	8	2,564	8	3,525	8		8		8		8		8		8	
1/4	661	1/4	1,622	1/4	2,584	1/4	3,545	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	681	1/2	1,642	1/2	2,604	1/2	3,565	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	701	3/4	1,662	3/4	2,624	3/4	3,585	3/4		3/4		3/4		3/4		3/4		3/4	
9	721	9	1,682	9	2,644	9	3,605	9		9		9		9		9		9	
1/4	741	1/4	1,702	1/4	2,664	1/4	3,625	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	761	1/2	1,723	1/2	2,684	1/2	3,645	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	781	3/4	1,743	3/4	2,704	3/4	3,665	3/4		3/4		3/4		3/4		3/4		3/4	
10	801	10	1,763	10	2,724	10	3,685	10		10		10		10		10		10	
1/4	821	1/4	1,783	1/4	2,744	1/4	3,705	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	841	1/2	1,803	1/2	2,764	1/2	3,725	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	861	3/4	1,823	3/4	2,784	3/4	3,745	3/4		3/4		3/4		3/4		3/4		3/4	
11	881	11	1,843	11	2,804	11	3,766	11		11		11		11		11		11	
1/4	901	1/4	1,863	1/4	2,824	1/4	3,786	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	921	1/2	1,883	1/2	2,844	1/2	3,806	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	941	3/4	1,903	3/4	2,864	3/4	3,826	3/4		3/4		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 AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE.

STRAPPED: 08/08/2023 CL  
 CALCULATED: 08/08/2023 CL  
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CANCELS AND SUPERCEDES  
 ALL PRIOR TO 08/2023

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 30086"

## STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 5'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	963	0	1,926	0	2,889	0	3,852	0		0		0		0		0	
1/4	20	1/4	983	1/4	1,946	1/4	2,909	1/4	3,872	1/4		1/4		1/4		1/4		1/4	
1/2	40	1/2	1,003	1/2	1,966	1/2	2,929	1/2	3,892	1/2		1/2		1/2		1/2		1/2	
3/4	60	3/4	1,023	3/4	1,986	3/4	2,949	3/4	3,912	3/4		3/4		3/4		3/4		3/4	
1	80	1	1,043	1	2,006	1	2,969	1	3,932	1		1		1		1		1	
1/4	100	1/4	1,063	1/4	2,026	1/4	2,989	1/4	3,952	1/4		1/4		1/4		1/4		1/4	
1/2	120	1/2	1,083	1/2	2,046	1/2	3,009	1/2	3,972	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	1,103	3/4	2,066	3/4	3,029	3/4	3,992	3/4		3/4		3/4		3/4		3/4	
2	160	2	1,123	2	2,086	2	3,049	2	4,012	2		2		2		2		2	
1/4	181	1/4	1,144	1/4	2,106	1/4	3,069	1/4	4,032	1/4		1/4		1/4		1/4		1/4	
1/2	201	1/2	1,164	1/2	2,127	1/2	3,089	1/2	4,052	1/2		1/2		1/2		1/2		1/2	
3/4	221	3/4	1,184	3/4	2,147	3/4	3,110	3/4	4,072	3/4		3/4		3/4		3/4		3/4	
3	241	3	1,204	3	2,167	3	3,130	3	4,093	3		3		3		3		3	
1/4	261	1/4	1,224	1/4	2,187	1/4	3,150	1/4	4,113	1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	1,244	1/2	2,207	1/2	3,170	1/2	4,133	1/2		1/2		1/2		1/2		1/2	
3/4	301	3/4	1,264	3/4	2,227	3/4	3,190	3/4	4,153	3/4		3/4		3/4		3/4		3/4	
4	321	4	1,284	4	2,247	4	3,210	4	4,173	4		4		4		4		4	
1/4	341	1/4	1,304	1/4	2,267	1/4	3,230	1/4	4,193	1/4		1/4		1/4		1/4		1/4	
1/2	361	1/2	1,324	1/2	2,287	1/2	3,250	1/2	4,213	1/2		1/2		1/2		1/2		1/2	
3/4	381	3/4	1,344	3/4	2,307	3/4	3,270	3/4	4,233	3/4		3/4		3/4		3/4		3/4	
5	401	5	1,364	5	2,327	5	3,290	5	4,253	5		5		5		5		5	
1/4	421	1/4	1,384	1/4	2,347	1/4	3,310	1/4	4,261	1/4		1/4		1/4		1/4		1/4	
1/2	441	1/2	1,404	1/2	2,367	1/2	3,330	1/2	4,269	1/2		1/2		1/2		1/2		1/2	
3/4	461	3/4	1,424	3/4	2,387	3/4	3,350	3/4	4,277	3/4		3/4		3/4		3/4		3/4	
6	481	6	1,444	6	2,407	6	3,370	6	4,285	6		6		6		6		6	
1/4	502	1/4	1,464	1/4	2,427	1/4	3,390	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	522	1/2	1,485	1/2	2,448	1/2	3,410	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	542	3/4	1,505	3/4	2,468	3/4	3,431	3/4		3/4		3/4		3/4		3/4		3/4	
7	562	7	1,525	7	2,488	7	3,451	7		7		7		7		7		7	
1/4	582	1/4	1,545	1/4	2,508	1/4	3,471	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	602	1/2	1,565	1/2	2,528	1/2	3,491	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	622	3/4	1,585	3/4	2,548	3/4	3,511	3/4		3/4		3/4		3/4		3/4		3/4	
8	642	8	1,605	8	2,568	8	3,531	8		8		8		8		8		8	
1/4	662	1/4	1,625	1/4	2,588	1/4	3,551	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	682	1/2	1,645	1/2	2,608	1/2	3,571	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	702	3/4	1,665	3/4	2,628	3/4	3,591	3/4		3/4		3/4		3/4		3/4		3/4	
9	722	9	1,685	9	2,648	9	3,611	9		9		9		9		9		9	
1/4	742	1/4	1,705	1/4	2,668	1/4	3,631	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	762	1/2	1,725	1/2	2,688	1/2	3,651	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	782	3/4	1,745	3/4	2,708	3/4	3,671	3/4		3/4		3/4		3/4		3/4		3/4	
10	802	10	1,765	10	2,728	10	3,691	10		10		10		10		10		10	
1/4	823	1/4	1,785	1/4	2,748	1/4	3,711	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	843	1/2	1,806	1/2	2,768	1/2	3,731	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	863	3/4	1,826	3/4	2,789	3/4	3,752	3/4		3/4		3/4		3/4		3/4		3/4	
11	883	11	1,846	11	2,809	11	3,772	11		11		11		11		11		11	
1/4	903	1/4	1,866	1/4	2,829	1/4	3,792	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	923	1/2	1,886	1/2	2,849	1/2	3,812	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	943	3/4	1,906	3/4	2,869	3/4	3,832	3/4		3/4		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 AT GAUGE POINT.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE.

STRAPPED: 08/08/2023 CL  
CALCULATED: 08/08/2023 CL  
PRINTED: 08/08/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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