



BARGE "KIRBY 28086"

ULLAGE (MMC)

FORMERLY "SMS 30041"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 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	00-3/4	- 00-3/4	01-3/8	- 01-3/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-1/2	- 03-1/2	04-1/8	- 04-1/8
3 STBD	00-3/4	- 00-3/4	01-3/8	- 01-3/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-1/2	- 03-1/2	04-1/8	- 04-1/8

(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 3 PORT IS - 01-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED ULLAGE IS 3'-10 5/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

May 13, 2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28086"

1 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30041"

GAUGE HEIGHT 15'-03"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	4,687.26	0	4,330.17	0	3,971.85	0	3,613.48	0	3,255.11	0	2,896.73	0	2,538.17	0	2,179.61		
1/4	1/4			1/4	4,679.86	1/4	4,322.73	1/4	3,964.38	1/4	3,606.02	1/4	3,247.65	1/4	2,889.26	1/4	2,530.70	1/4	2,172.14		
1/2	1/2	5,007.97		1/2	4,672.45	1/2	4,315.27	1/2	3,956.92	1/2	3,598.55	1/2	3,240.18	1/2	2,881.79	1/2	2,523.23	1/2	2,164.67		
3/4	3/4	5,003.50		3/4	4,665.05	3/4	4,307.81	3/4	3,949.45	3/4	3,591.08	3/4	3,232.72	3/4	2,874.32	3/4	2,515.76	3/4	2,157.20		
1		1	4,999.02	1	4,657.64	1	4,300.35	1	3,941.99	1	3,583.62	1	3,225.25	1	2,866.85	1	2,508.29	1	2,149.73		
1/4	1/4		4,994.55	1/4	4,650.24	1/4	4,292.89	1/4	3,934.52	1/4	3,576.15	1/4	3,217.78	1/4	2,859.38	1/4	2,500.82	1/4	2,142.26		
1/2	1/2		4,989.01	1/2	4,642.80	1/2	4,285.42	1/2	3,927.05	1/2	3,568.69	1/2	3,210.32	1/2	2,851.91	1/2	2,493.35	1/2	2,134.79		
3/4	3/4		4,983.47	3/4	4,635.37	3/4	4,277.96	3/4	3,919.59	3/4	3,561.22	3/4	3,202.85	3/4	2,844.44	3/4	2,485.88	3/4	2,127.32		
2		2	4,977.93	2	4,627.94	2	4,270.49	2	3,912.12	2	3,553.75	2	3,195.39	2	2,836.97	2	2,478.41	2	2,119.85		
1/4	1/4		4,972.38	1/4	4,620.50	1/4	4,263.02	1/4	3,904.66	1/4	3,546.29	1/4	3,187.92	1/4	2,829.50	1/4	2,470.94	1/4	2,112.38		
1/2	1/2		4,965.78	1/2	4,613.06	1/2	4,255.56	1/2	3,897.19	1/2	3,538.82	1/2	3,180.45	1/2	2,822.03	1/2	2,463.47	1/2	2,104.91		
3/4	3/4		4,959.17	3/4	4,605.61	3/4	4,248.09	3/4	3,889.72	3/4	3,531.36	3/4	3,172.99	3/4	2,814.56	3/4	2,456.00	3/4	2,097.44		
3		3	4,952.56	3	4,598.17	3	4,240.63	3	3,882.26	3	3,523.89	3	3,165.52	3	2,807.09	3	2,448.53	3	2,089.97		
1/4	1/4		4,945.95	1/4	4,590.73	1/4	4,233.16	1/4	3,874.79	1/4	3,516.42	1/4	3,158.06	1/4	2,799.62	1/4	2,441.06	1/4	2,082.50		
1/2	1/2		4,938.68	1/2	4,583.28	1/2	4,225.69	1/2	3,867.33	1/2	3,508.96	1/2	3,150.59	1/2	2,792.15	1/2	2,433.59	1/2	2,075.03		
3/4	3/4		4,931.41	3/4	4,575.84	3/4	4,218.23	3/4	3,859.86	3/4	3,501.49	3/4	3,143.12	3/4	2,784.68	3/4	2,426.12	3/4	2,067.56		
4		4	4,924.13	4	4,568.39	4	4,210.76	4	3,852.39	4	3,494.03	4	3,135.66	4	2,777.21	4	2,418.65	4	2,060.09		
1/4	1/4		4,916.86	1/4	4,560.95	1/4	4,203.30	1/4	3,844.93	1/4	3,486.56	1/4	3,128.19	1/4	2,769.74	1/4	2,411.18	1/4	2,052.62		
1/2	1/2		4,909.45	1/2	4,553.50	1/2	4,195.83	1/2	3,837.46	1/2	3,479.09	1/2	3,120.73	1/2	2,762.27	1/2	2,403.71	1/2	2,045.15		
3/4	3/4		4,902.04	3/4	4,546.06	3/4	4,188.36	3/4	3,830.00	3/4	3,471.63	3/4	3,113.26	3/4	2,754.80	3/4	2,396.24	3/4	2,037.68		
5		5	4,894.63	5	4,538.61	5	4,180.90	5	3,822.53	5	3,464.16	5	3,105.79	5	2,747.33	5	2,388.77	5	2,030.21		
1/4	1/4		4,887.22	1/4	4,531.17	1/4	4,173.43	1/4	3,815.06	1/4	3,456.70	1/4	3,098.33	1/4	2,739.86	1/4	2,381.30	1/4	2,022.74		
1/2	1/2		4,879.81	1/2	4,523.73	1/2	4,165.97	1/2	3,807.60	1/2	3,449.23	1/2	3,090.86	1/2	2,732.39	1/2	2,373.83	1/2	2,015.27		
3/4	3/4		4,872.40	3/4	4,516.28	3/4	4,158.50	3/4	3,800.13	3/4	3,441.76	3/4	3,083.40	3/4	2,724.92	3/4	2,366.36	3/4	2,007.80		
6		6	4,865.00	6	4,508.84	6	4,151.03	6	3,792.67	6	3,434.30	6	3,075.93	6	2,717.45	6	2,358.89	6	2,000.33		
1/4	1/4		4,857.59	1/4	4,501.39	1/4	4,143.57	1/4	3,785.20	1/4	3,426.83	1/4	3,068.46	1/4	2,709.98	1/4	2,351.42	1/4	1,992.86		
1/2	1/2		4,850.18	1/2	4,493.95	1/2	4,136.10	1/2	3,777.73	1/2	3,419.37	1/2	3,061.00	1/2	2,702.51	1/2	2,343.95	1/2	1,985.39		
3/4	3/4		4,842.77	3/4	4,486.50	3/4	4,128.64	3/4	3,770.27	3/4	3,411.90	3/4	3,053.53	3/4	2,695.04	3/4	2,336.48	3/4	1,977.92		
7		7	4,835.36	7	4,479.06	7	4,121.17	7	3,762.80	7	3,404.43	7	3,046.07	7	2,687.57	7	2,329.01	7	1,970.45		
1/4	1/4		4,827.95	1/4	4,471.62	1/4	4,113.70	1/4	3,755.34	1/4	3,396.97	1/4	3,038.60	1/4	2,680.10	1/4	2,321.54	1/4	1,962.98		
1/2	1/2		4,820.55	1/2	4,464.17	1/2	4,106.24	1/2	3,747.87	1/2	3,389.50	1/2	3,031.13	1/2	2,672.63	1/2	2,314.07	1/2	1,955.51		
3/4	3/4		4,813.14	3/4	4,456.73	3/4	4,098.77	3/4	3,740.40	3/4	3,382.04	3/4	3,023.67	3/4	2,665.16	3/4	2,306.60	3/4	1,948.04		
8		8	4,805.73	8	4,449.28	8	4,091.31	8	3,732.94	8	3,374.57	8	3,016.20	8	2,657.69	8	2,299.13	8	1,940.57		
1/4	1/4		4,798.33	1/4	4,441.84	1/4	4,083.84	1/4	3,725.47	1/4	3,367.10	1/4	3,008.74	1/4	2,650.22	1/4	2,291.66	1/4	1,933.10		
1/2	1/2		4,790.92	1/2	4,434.39	1/2	4,076.37	1/2	3,718.01	1/2	3,359.64	1/2	3,001.27	1/2	2,642.75	1/2	2,284.19	1/2	1,925.63		
3/4	3/4		4,783.52	3/4	4,426.95	3/4	4,068.91	3/4	3,710.54	3/4	3,352.17	3/4	2,993.80	3/4	2,635.28	3/4	2,276.72	3/4	1,918.16		
9		9	4,776.12	9	4,419.51	9	4,061.44	9	3,703.07	9	3,344.71	9	2,986.34	9	2,627.81	9	2,269.25	9	1,910.69		
1/4	1/4		4,768.71	1/4	4,412.06	1/4	4,053.98	1/4	3,695.61	1/4	3,337.24	1/4	2,978.87	1/4	2,620.34	1/4	2,261.78	1/4	1,903.22		
1/2	1/2		4,761.31	1/2	4,404.62	1/2	4,046.51	1/2	3,688.14	1/2	3,329.77	1/2	2,971.41	1/2	2,612.87	1/2	2,254.31	1/2	1,895.75		
3/4	3/4		4,753.90	3/4	4,397.17	3/4	4,039.04	3/4	3,680.68	3/4	3,322.31	3/4	2,963.94	3/4	2,605.40	3/4	2,246.84	3/4	1,888.28		
10		10	4,746.50	10	4,389.73	10	4,031.58	10	3,673.21	10	3,314.84	10	2,956.47	10	2,597.93	10	2,239.37	10	1,880.81		
1/4	1/4		4,739.09	1/4	4,382.28	1/4	4,024.11	1/4	3,665.74	1/4	3,307.38	1/4	2,949.01	1/4	2,590.46	1/4	2,231.90	1/4	1,873.34		
1/2	1/2		4,731.69	1/2	4,374.84	1/2	4,016.65	1/2	3,658.28	1/2	3,299.91	1/2	2,941.54	1/2	2,582.99	1/2	2,224.43	1/2	1,865.87		
3/4	3/4		4,724.28	3/4	4,367.40	3/4	4,009.18	3/4	3,650.81	3/4	3,292.44	3/4	2,934.08	3/4	2,575.52	3/4	2,216.96	3/4	1,858.40		
11		11	4,716.88	11	4,359.95	11	4,001.71	11	3,643.35	11	3,284.98	11	2,926.61	11	2,568.05	11	2,209.49	11	1,850.93		
1/4	1/4		4,709.48	1/4	4,352.51	1/4	3,994.25	1/4	3,635.88	1/4	3,277.51	1/4	2,919.14	1/4	2,560.58	1/4	2,202.02	1/4	1,843.46		
1/2	1/2		4,702.07	1/2	4,345.06	1/2	3,986.78	1/2	3,628.41	1/2	3,270.05	1/2	2,911.67	1/2	2,553.11	1/2	2,194.55	1/2	1,835.99		
3/4	3/4		4,694.67	3/4	4,337.62	3/4	3,979.32	3/4	3,620.95	3/4	3,262.58	3/4	2,904.20	3/4	2,545.64	3/4	2,187.08	3/4	1,828.52		

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 TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
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BARGE "KIRBY 28086"

1 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30041"

GAUGE HEIGHT 15'-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	1,821.05	0	1,462.49	0	1,104.00	0	747.57	0	396.90	0	83.35	0		0		0		0	
1/4	1,813.58	1/4	1,455.02	1/4	1,096.55	1/4	740.12	1/4	389.72	1/4	77.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,806.11	1/2	1,447.55	1/2	1,089.11	1/2	732.65	1/2	382.62	1/2	71.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,798.64	3/4	1,440.08	3/4	1,081.67	3/4	725.18	3/4	375.53	3/4	65.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,791.17	1	1,432.61	1	1,074.23	1	717.71	1	368.43	1	59.91	1	1	1	1	1	1	1	1
1/4	1,783.70	1/4	1,425.14	1/4	1,066.79	1/4	710.24	1/4	361.34	1/4	53.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,776.23	1/2	1,417.67	1/2	1,059.36	1/2	702.77	1/2	354.33	1/2	48.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,768.76	3/4	1,410.20	3/4	1,051.93	3/4	695.30	3/4	347.32	3/4	43.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,761.29	2	1,402.73	2	1,044.50	2	687.83	2	340.31	2	38.12	2	2	2	2	2	2	2	2
1/4	1,753.82	1/4	1,395.26	1/4	1,037.07	1/4	680.36	1/4	333.31	1/4	32.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,746.35	1/2	1,387.79	1/2	1,029.64	1/2	672.89	1/2	326.39	1/2	29.34	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,738.88	3/4	1,380.32	3/4	1,022.22	3/4	665.42	3/4	319.47	3/4	25.82	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,731.41	3	1,372.85	3	1,014.79	3	657.95	3	312.55	3	22.29	3	3	3	3	3	3	3	3
1/4	1,723.94	1/4	1,365.38	1/4	1,007.36	1/4	650.48	1/4	305.63	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,716.47	1/2	1,357.91	1/2	999.94	1/2	643.01	1/2	298.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,709.00	3/4	1,350.44	3/4	992.52	3/4	635.74	3/4	291.97	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,701.53	4	1,342.97	4	985.10	4	628.47	4	285.14	4	4	4	4	4	4	4	4	4	4
1/4	1,694.06	1/4	1,335.50	1/4	977.68	1/4	621.20	1/4	278.30	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,686.59	1/2	1,328.03	1/2	970.26	1/2	613.93	1/2	271.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,679.12	3/4	1,320.56	3/4	962.84	3/4	606.67	3/4	264.82	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,671.65	5	1,313.09	5	955.42	5	599.40	5	258.07	5	5	5	5	5	5	5	5	5	5
1/4	1,664.18	1/4	1,305.62	1/4	948.00	1/4	592.13	1/4	251.33	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,656.71	1/2	1,298.15	1/2	940.58	1/2	584.86	1/2	244.68	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,649.24	3/4	1,290.68	3/4	933.16	3/4	577.59	3/4	238.02	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,641.77	6	1,283.21	6	925.75	6	570.33	6	231.37	6	6	6	6	6	6	6	6	6	6
1/4	1,634.30	1/4	1,275.74	1/4	918.33	1/4	563.06	1/4	224.91	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,626.83	1/2	1,268.27	1/2	910.91	1/2	555.79	1/2	218.55	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,619.36	3/4	1,260.80	3/4	903.49	3/4	548.52	3/4	212.18	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,611.89	7	1,253.33	7	896.07	7	541.25	7	205.82	7	7	7	7	7	7	7	7	7	7
1/4	1,604.42	1/4	1,245.86	1/4	888.65	1/4	533.98	1/4	199.45	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,596.95	1/2	1,238.39	1/2	881.23	1/2	526.72	1/2	193.17	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,589.48	3/4	1,230.92	3/4	873.81	3/4	519.45	3/4	186.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,582.01	8	1,223.45	8	866.39	8	512.18	8	180.62	8	8	8	8	8	8	8	8	8	8
1/4	1,574.54	1/4	1,215.98	1/4	858.97	1/4	504.91	1/4	174.34	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,567.07	1/2	1,208.51	1/2	851.55	1/2	497.68	1/2	168.15	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,559.60	3/4	1,201.04	3/4	844.14	3/4	490.44	3/4	161.96	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,552.13	9	1,193.57	9	836.72	9	483.21	9	155.77	9	9	9	9	9	9	9	9	9	9
1/4	1,544.66	1/4	1,186.10	1/4	829.30	1/4	475.97	1/4	149.58	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,537.19	1/2	1,178.63	1/2	821.88	1/2	468.81	1/2	143.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,529.72	3/4	1,171.16	3/4	814.46	3/4	461.65	3/4	137.38	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,522.25	10	1,163.69	10	807.04	10	454.50	10	131.28	10	10	10	10	10	10	10	10	10	10
1/4	1,514.78	1/4	1,156.22	1/4	799.62	1/4	447.34	1/4	125.18	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,507.31	1/2	1,148.75	1/2	792.20	1/2	440.27	1/2	119.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,499.84	3/4	1,141.28	3/4	784.78	3/4	433.00	3/4	113.15	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,492.37	11	1,133.81	11	777.36	11	425.72	11	107.14	11	11	11	11	11	11	11	11	11	11
1/4	1,484.90	1/4	1,126.34	1/4	769.94	1/4	418.45	1/4	101.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,477.43	1/2	1,118.89	1/2	762.49	1/2	411.27	1/2	95.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,469.96	3/4	1,111.45	3/4	755.03	3/4	404.09	3/4	89.27	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/2012 CL - SW
CALCULATED: 10/12/2012 CL
NAME CHANGE: 05/13/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2022

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



BARGE "KIRBY 28086"

1 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30041"

GAUGE HEIGHT 15'-02 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	4,680.29	0	4,323.26	0	3,965.01	0	3,606.74	0	3,248.46	0	2,890.18	0	2,531.71	0	2,173.24
1/4	1/4	5,008.32	1/4	4,672.89	1/4	4,315.80	1/4	3,957.55	1/4	3,599.27	1/4	3,240.99	1/4	2,882.71	1/4	2,524.24	1/4	2,165.77	
1/2	1/2	5,003.85	1/2	4,665.49	1/2	4,308.35	1/2	3,950.08	1/2	3,591.81	1/2	3,233.53	1/2	2,875.24	1/2	2,516.77	1/2	2,158.30	
3/4	3/4	4,999.37	3/4	4,658.09	3/4	4,300.89	3/4	3,942.62	3/4	3,584.34	3/4	3,226.07	3/4	2,867.77	3/4	2,509.30	3/4	2,150.83	
1		4,994.90	1	4,650.68	1	4,293.43	1	3,935.16	1	3,576.88	1	3,218.60	1	2,860.30	1	2,501.84	1	2,143.37	
1/4	1/4	4,989.36	1/4	4,643.25	1/4	4,285.97	1/4	3,927.69	1/4	3,569.42	1/4	3,211.14	1/4	2,852.84	1/4	2,494.37	1/4	2,135.90	
1/2	1/2	4,983.82	1/2	4,635.82	1/2	4,278.50	1/2	3,920.23	1/2	3,561.95	1/2	3,203.67	1/2	2,845.37	1/2	2,486.90	1/2	2,128.43	
3/4	3/4	4,978.28	3/4	4,628.39	3/4	4,271.04	3/4	3,912.76	3/4	3,554.49	3/4	3,196.21	3/4	2,837.90	3/4	2,479.43	3/4	2,120.96	
2		4,972.74	2	4,620.96	2	4,263.58	2	3,905.30	2	3,547.02	2	3,188.75	2	2,830.43	2	2,471.96	2	2,113.49	
1/4	1/4	4,966.14	1/4	4,613.51	1/4	4,256.11	1/4	3,897.84	1/4	3,539.56	1/4	3,181.28	1/4	2,822.96	1/4	2,464.49	1/4	2,106.03	
1/2	1/2	4,959.53	1/2	4,606.07	1/2	4,248.65	1/2	3,890.37	1/2	3,532.09	1/2	3,173.82	1/2	2,815.50	1/2	2,457.03	1/2	2,098.56	
3/4	3/4	4,952.93	3/4	4,598.63	3/4	4,241.18	3/4	3,882.91	3/4	3,524.63	3/4	3,166.35	3/4	2,808.03	3/4	2,449.56	3/4	2,091.09	
3		4,946.32	3	4,591.19	3	4,233.72	3	3,875.44	3	3,517.17	3	3,158.89	3	2,800.56	3	2,442.09	3	2,083.62	
1/4	1/4	4,939.05	1/4	4,583.74	1/4	4,226.26	1/4	3,867.98	1/4	3,509.70	1/4	3,151.43	1/4	2,793.09	1/4	2,434.62	1/4	2,076.15	
1/2	1/2	4,931.78	1/2	4,576.30	1/2	4,218.79	1/2	3,860.52	1/2	3,502.24	1/2	3,143.96	1/2	2,785.62	1/2	2,427.15	1/2	2,068.69	
3/4	3/4	4,924.50	3/4	4,568.86	3/4	4,211.33	3/4	3,853.05	3/4	3,494.77	3/4	3,136.50	3/4	2,778.16	3/4	2,419.69	3/4	2,061.22	
4		4,917.23	4	4,561.42	4	4,203.86	4	3,845.59	4	3,487.31	4	3,129.03	4	2,770.69	4	2,412.22	4	2,053.75	
1/4	1/4	4,909.82	1/4	4,553.97	1/4	4,196.40	1/4	3,838.12	1/4	3,479.85	1/4	3,121.57	1/4	2,763.22	1/4	2,404.75	1/4	2,046.28	
1/2	1/2	4,902.42	1/2	4,546.53	1/2	4,188.94	1/2	3,830.66	1/2	3,472.38	1/2	3,114.11	1/2	2,755.75	1/2	2,397.28	1/2	2,038.81	
3/4	3/4	4,895.01	3/4	4,539.09	3/4	4,181.47	3/4	3,823.19	3/4	3,464.92	3/4	3,106.64	3/4	2,748.28	3/4	2,389.81	3/4	2,031.35	
5		4,887.60	5	4,531.65	5	4,174.01	5	3,815.73	5	3,457.45	5	3,099.18	5	2,740.81	5	2,382.35	5	2,023.88	
1/4	1/4	4,880.20	1/4	4,524.20	1/4	4,166.54	1/4	3,808.27	1/4	3,449.99	1/4	3,091.71	1/4	2,733.35	1/4	2,374.88	1/4	2,016.41	
1/2	1/2	4,872.79	1/2	4,516.76	1/2	4,159.08	1/2	3,800.80	1/2	3,442.53	1/2	3,084.25	1/2	2,725.88	1/2	2,367.41	1/2	2,008.94	
3/4	3/4	4,865.38	3/4	4,509.32	3/4	4,151.62	3/4	3,793.34	3/4	3,435.06	3/4	3,076.78	3/4	2,718.41	3/4	2,359.94	3/4	2,001.47	
6		4,857.98	6	4,501.88	6	4,144.15	6	3,785.87	6	3,427.60	6	3,069.32	6	2,710.94	6	2,352.47	6	1,994.00	
1/4	1/4	4,850.57	1/4	4,494.43	1/4	4,136.69	1/4	3,778.41	1/4	3,420.13	1/4	3,061.86	1/4	2,703.47	1/4	2,345.01	1/4	1,986.54	
1/2	1/2	4,843.16	1/2	4,486.99	1/2	4,129.22	1/2	3,770.95	1/2	3,412.67	1/2	3,054.39	1/2	2,696.01	1/2	2,337.54	1/2	1,979.07	
3/4	3/4	4,835.76	3/4	4,479.55	3/4	4,121.76	3/4	3,763.48	3/4	3,405.21	3/4	3,046.93	3/4	2,688.54	3/4	2,330.07	3/4	1,971.60	
7		4,828.35	7	4,472.11	7	4,114.29	7	3,756.02	7	3,397.74	7	3,039.46	7	2,681.07	7	2,322.60	7	1,964.13	
1/4	1/4	4,820.95	1/4	4,464.67	1/4	4,106.83	1/4	3,748.55	1/4	3,390.28	1/4	3,032.00	1/4	2,673.60	1/4	2,315.13	1/4	1,956.66	
1/2	1/2	4,813.54	1/2	4,457.22	1/2	4,099.37	1/2	3,741.09	1/2	3,382.81	1/2	3,024.54	1/2	2,666.13	1/2	2,307.66	1/2	1,949.20	
3/4	3/4	4,806.14	3/4	4,449.78	3/4	4,091.90	3/4	3,733.63	3/4	3,375.35	3/4	3,017.07	3/4	2,658.67	3/4	2,300.20	3/4	1,941.73	
8		4,798.73	8	4,442.34	8	4,084.44	8	3,726.16	8	3,367.88	8	3,009.61	8	2,651.20	8	2,292.73	8	1,934.26	
1/4	1/4	4,791.33	1/4	4,434.90	1/4	4,076.97	1/4	3,718.70	1/4	3,360.42	1/4	3,002.14	1/4	2,643.73	1/4	2,285.26	1/4	1,926.79	
1/2	1/2	4,783.93	1/2	4,427.45	1/2	4,069.51	1/2	3,711.23	1/2	3,352.96	1/2	2,994.68	1/2	2,636.26	1/2	2,277.79	1/2	1,919.32	
3/4	3/4	4,776.53	3/4	4,420.01	3/4	4,062.05	3/4	3,703.77	3/4	3,345.49	3/4	2,987.22	3/4	2,628.79	3/4	2,270.32	3/4	1,911.86	
9		4,769.12	9	4,412.57	9	4,054.58	9	3,696.31	9	3,338.03	9	2,979.75	9	2,621.33	9	2,262.86	9	1,904.39	
1/4	1/4	4,761.72	1/4	4,405.13	1/4	4,047.12	1/4	3,688.84	1/4	3,330.56	1/4	2,972.29	1/4	2,613.86	1/4	2,255.39	1/4	1,896.92	
1/2	1/2	4,754.32	1/2	4,397.68	1/2	4,039.65	1/2	3,681.38	1/2	3,323.10	1/2	2,964.82	1/2	2,606.39	1/2	2,247.92	1/2	1,889.45	
3/4	3/4	4,746.92	3/4	4,390.24	3/4	4,032.19	3/4	3,673.91	3/4	3,315.64	3/4	2,957.36	3/4	2,598.92	3/4	2,240.45	3/4	1,881.98	
10		4,739.51	10	4,382.80	10	4,024.73	10	3,666.45	10	3,308.17	10	2,949.90	10	2,591.45	10	2,232.98	10	1,874.52	
1/4	1/4	4,732.11	1/4	4,375.36	1/4	4,017.26	1/4	3,658.98	1/4	3,300.71	1/4	2,942.43	1/4	2,583.98	1/4	2,225.52	1/4	1,867.05	
1/2	1/2	4,724.71	1/2	4,367.91	1/2	4,009.80	1/2	3,651.52	1/2	3,293.24	1/2	2,934.97	1/2	2,576.52	1/2	2,218.05	1/2	1,859.58	
3/4	3/4	4,717.31	3/4	4,360.47	3/4	4,002.33	3/4	3,644.06	3/4	3,285.78	3/4	2,927.50	3/4	2,569.05	3/4	2,210.58	3/4	1,852.11	
11		4,709.90	11	4,353.03	11	3,994.87	11	3,636.59	11	3,278.32	11	2,920.04	11	2,561.58	11	2,203.11	11	1,844.64	
1/4	1/4	4,702.50	1/4	4,345.59	1/4	3,987.40	1/4	3,629.13	1/4	3,270.85	1/4	2,912.57	1/4	2,554.11	1/4	2,195.64	1/4	1,837.17	
1/2	1/2	4,695.10	1/2	4,338.14	1/2	3,979.94	1/2	3,621.66	1/2	3,263.39	1/2	2,905.11	1/2	2,546.64	1/2	2,188.18	1/2	1,829.71	
3/4	3/4	4,687.70	3/4	4,330.70	3/4	3,972.48	3/4	3,614.20	3/4	3,255.92	3/4	2,897.64	3/4	2,539.18	3/4	2,180.71	3/4	1,822.24	

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 TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28086"

1 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30041"

GAUGE HEIGHT 15'-02 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	1,814.77	0	1,456.30	0	1,097.83	0	739.86	0	389.62	0	77.40	0		0		0		0	
1/4	1,807.30	1/4	1,448.83	1/4	1,090.36	1/4	732.39	1/4	382.52	1/4	71.56	1/4		1/4		1/4		1/4	
1/2	1,799.83	1/2	1,441.37	1/2	1,082.90	1/2	724.93	1/2	375.43	1/2	65.73	1/2		1/2		1/2		1/2	
3/4	1,792.37	3/4	1,433.90	3/4	1,075.43	3/4	717.46	3/4	368.33	3/4	59.89	3/4		3/4		3/4		3/4	
1	1,784.90	1	1,426.43	1	1,067.96	1	709.99	1	361.24	1	53.85	1		1		1		1	
1/4	1,777.43	1/4	1,418.96	1/4	1,060.50	1/4	702.52	1/4	354.24	1/4	48.60	1/4		1/4		1/4		1/4	
1/2	1,769.96	1/2	1,411.49	1/2	1,053.03	1/2	695.05	1/2	347.23	1/2	43.36	1/2		1/2		1/2		1/2	
3/4	1,762.49	3/4	1,404.02	3/4	1,045.57	3/4	687.59	3/4	340.22	3/4	38.11	3/4		3/4		3/4		3/4	
2	1,755.03	2	1,396.56	2	1,038.11	2	680.12	2	333.22	2	32.86	2		2		2		2	
1/4	1,747.56	1/4	1,389.09	1/4	1,030.65	1/4	672.65	1/4	326.30	1/4	29.33	1/4		1/4		1/4		1/4	
1/2	1,740.09	1/2	1,381.62	1/2	1,023.18	1/2	665.18	1/2	319.38	1/2	25.80	1/2		1/2		1/2		1/2	
3/4	1,732.62	3/4	1,374.15	3/4	1,015.72	3/4	657.72	3/4	312.46	3/4	22.28	3/4		3/4		3/4		3/4	
3	1,725.15	3	1,366.68	3	1,008.26	3	650.25	3	305.55	3		3		3		3		3	
1/4	1,717.68	1/4	1,359.22	1/4	1,000.81	1/4	642.78	1/4	298.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,710.22	1/2	1,351.75	1/2	993.35	1/2	635.51	1/2	291.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,702.75	3/4	1,344.28	3/4	985.89	3/4	628.25	3/4	285.06	3/4		3/4		3/4		3/4		3/4	
4	1,695.28	4	1,336.81	4	978.44	4	620.98	4	278.23	4		4		4		4		4	
1/4	1,687.81	1/4	1,329.34	1/4	970.98	1/4	613.71	1/4	271.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,680.34	1/2	1,321.88	1/2	963.53	1/2	606.45	1/2	264.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,672.88	3/4	1,314.41	3/4	956.07	3/4	599.18	3/4	258.00	3/4		3/4		3/4		3/4		3/4	
5	1,665.41	5	1,306.94	5	948.62	5	591.92	5	251.26	5		5		5		5		5	
1/4	1,657.94	1/4	1,299.47	1/4	941.17	1/4	584.65	1/4	244.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,650.47	1/2	1,292.00	1/2	933.71	1/2	577.38	1/2	237.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,643.00	3/4	1,284.54	3/4	926.26	3/4	570.12	3/4	231.30	3/4		3/4		3/4		3/4		3/4	
6	1,635.54	6	1,277.07	6	918.80	6	562.85	6	224.85	6		6		6		6		6	
1/4	1,628.07	1/4	1,269.60	1/4	911.35	1/4	555.59	1/4	218.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,620.60	1/2	1,262.13	1/2	903.90	1/2	548.33	1/2	212.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,613.13	3/4	1,254.66	3/4	896.44	3/4	541.07	3/4	205.76	3/4		3/4		3/4		3/4		3/4	
7	1,605.66	7	1,247.19	7	888.99	7	533.81	7	199.39	7		7		7		7		7	
1/4	1,598.20	1/4	1,239.73	1/4	881.53	1/4	526.55	1/4	193.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,590.73	1/2	1,232.26	1/2	874.08	1/2	519.29	1/2	186.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,583.26	3/4	1,224.79	3/4	866.62	3/4	512.03	3/4	180.57	3/4		3/4		3/4		3/4		3/4	
8	1,575.79	8	1,217.32	8	859.17	8	504.77	8	174.29	8		8		8		8		8	
1/4	1,568.32	1/4	1,209.85	1/4	851.72	1/4	497.54	1/4	168.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,560.85	1/2	1,202.39	1/2	844.26	1/2	490.31	1/2	161.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,553.39	3/4	1,194.92	3/4	836.81	3/4	483.08	3/4	155.73	3/4		3/4		3/4		3/4		3/4	
9	1,545.92	9	1,187.45	9	829.35	9	475.85	9	149.54	9		9		9		9		9	
1/4	1,538.45	1/4	1,179.98	1/4	821.90	1/4	468.69	1/4	143.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,530.98	1/2	1,172.51	1/2	814.44	1/2	461.53	1/2	137.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,523.51	3/4	1,165.05	3/4	806.99	3/4	454.38	3/4	131.24	3/4		3/4		3/4		3/4		3/4	
10	1,516.05	10	1,157.58	10	799.54	10	447.22	10	125.14	10		10		10		10		10	
1/4	1,508.58	1/4	1,150.11	1/4	792.08	1/4	440.15	1/4	119.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,501.11	1/2	1,142.64	1/2	784.63	1/2	432.88	1/2	113.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,493.64	3/4	1,135.17	3/4	777.17	3/4	425.61	3/4	107.10	3/4		3/4		3/4		3/4		3/4	
11	1,486.17	11	1,127.71	11	769.72	11	418.34	11	101.09	11		11		11		11		11	
1/4	1,478.71	1/4	1,120.24	1/4	762.26	1/4	411.16	1/4	95.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,471.24	1/2	1,112.77	1/2	754.79	1/2	403.98	1/2	89.24	1/2		1/2		1/2		1/2		1/2	
3/4	1,463.77	3/4	1,105.30	3/4	747.33	3/4	396.80	3/4	83.32	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/2012 CL - SW
CALCULATED: 10/12/2012 CL
NAME CHANGE: 05/13/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2022

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



BARGE "KIRBY 28086"

2 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30041"

GAUGE HEIGHT 15'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	4,740.48	0	4,382.66	0	4,023.61	0	3,664.55	0	3,305.49	0	2,946.40	0	2,587.15	0	2,227.89		
1/4	1/4	5,069.23	1/4	4,733.06	1/4	4,375.18	1/4	4,016.13	1/4	3,657.07	1/4	3,298.01	1/4	2,938.92	1/4	2,579.66	1/4	2,220.41	1/4		
1/2	1/2	5,064.75	1/2	4,725.64	1/2	4,367.71	1/2	4,008.65	1/2	3,649.59	1/2	3,290.53	1/2	2,931.44	1/2	2,572.18	1/2	2,212.92	1/2		
3/4	3/4	5,060.26	3/4	4,718.22	3/4	4,360.23	3/4	4,001.17	3/4	3,642.11	3/4	3,283.04	3/4	2,923.95	3/4	2,564.69	3/4	2,205.44	3/4		
1		5,055.78		4,710.80		4,352.76		3,993.69		3,634.63		3,275.56		2,916.47		2,557.21		2,197.95			
1/4	1/4	5,050.23	1/4	4,703.35	1/4	4,345.28	1/4	3,986.21	1/4	3,627.15	1/4	3,268.08	1/4	2,908.98	1/4	2,549.73	1/4	2,190.47	1/4		
1/2	1/2	5,044.68	1/2	4,695.91	1/2	4,337.80	1/2	3,978.73	1/2	3,619.67	1/2	3,260.60	1/2	2,901.50	1/2	2,542.24	1/2	2,182.99	1/2		
3/4	3/4	5,039.13	3/4	4,688.46	3/4	4,330.31	3/4	3,971.25	3/4	3,612.19	3/4	3,253.12	3/4	2,894.01	3/4	2,534.76	3/4	2,175.50	3/4		
2		5,033.57		4,681.01		4,322.83		3,963.77		3,604.71		3,245.64		2,886.53		2,527.27		2,168.02			
1/4	1/4	5,026.95	1/4	4,673.55	1/4	4,315.35	1/4	3,956.29	1/4	3,597.23	1/4	3,238.16	1/4	2,879.04	1/4	2,519.79	1/4	2,160.53	1/4		
1/2	1/2	5,020.33	1/2	4,666.09	1/2	4,307.87	1/2	3,948.81	1/2	3,589.75	1/2	3,230.68	1/2	2,871.56	1/2	2,512.30	1/2	2,153.05	1/2		
3/4	3/4	5,013.72	3/4	4,658.63	3/4	4,300.39	3/4	3,941.33	3/4	3,582.26	3/4	3,223.20	3/4	2,864.07	3/4	2,504.82	3/4	2,145.56	3/4		
3		5,007.10		4,651.17		4,292.91		3,933.85		3,574.78		3,215.72		2,856.59		2,497.33		2,138.08			
1/4	1/4	4,999.81	1/4	4,643.71	1/4	4,285.43	1/4	3,926.37	1/4	3,567.30	1/4	3,208.24	1/4	2,849.11	1/4	2,489.85	1/4	2,130.59	1/4		
1/2	1/2	4,992.52	1/2	4,636.26	1/2	4,277.95	1/2	3,918.89	1/2	3,559.82	1/2	3,200.76	1/2	2,841.62	1/2	2,482.37	1/2	2,123.11	1/2		
3/4	3/4	4,985.23	3/4	4,628.80	3/4	4,270.47	3/4	3,911.41	3/4	3,552.34	3/4	3,193.28	3/4	2,834.14	3/4	2,474.88	3/4	2,115.62	3/4		
4		4,977.94		4,621.34		4,262.99		3,903.93		3,544.86		3,185.80		2,826.65		2,467.40		2,108.14			
1/4	1/4	4,970.52	1/4	4,613.88	1/4	4,255.51	1/4	3,896.45	1/4	3,537.38	1/4	3,178.32	1/4	2,819.17	1/4	2,459.91	1/4	2,100.66	1/4		
1/2	1/2	4,963.09	1/2	4,606.42	1/2	4,248.03	1/2	3,888.97	1/2	3,529.90	1/2	3,170.84	1/2	2,811.68	1/2	2,452.43	1/2	2,093.17	1/2		
3/4	3/4	4,955.67	3/4	4,598.96	3/4	4,240.55	3/4	3,881.48	3/4	3,522.42	3/4	3,163.36	3/4	2,804.20	3/4	2,444.94	3/4	2,085.69	3/4		
5		4,948.25		4,591.50		4,233.07		3,874.00		3,514.94		3,155.88		2,796.71		2,437.46		2,078.20			
1/4	1/4	4,940.82	1/4	4,584.04	1/4	4,225.59	1/4	3,866.52	1/4	3,507.46	1/4	3,148.40	1/4	2,789.23	1/4	2,429.97	1/4	2,070.72	1/4		
1/2	1/2	4,933.40	1/2	4,576.59	1/2	4,218.11	1/2	3,859.04	1/2	3,499.98	1/2	3,140.92	1/2	2,781.75	1/2	2,422.49	1/2	2,063.23	1/2		
3/4	3/4	4,925.98	3/4	4,569.13	3/4	4,210.63	3/4	3,851.56	3/4	3,492.50	3/4	3,133.43	3/4	2,774.26	3/4	2,415.00	3/4	2,055.75	3/4		
6		4,918.56		4,561.67		4,203.15		3,844.08		3,485.02		3,125.95		2,766.78		2,407.52		2,048.26			
1/4	1/4	4,911.13	1/4	4,554.21	1/4	4,195.67	1/4	3,836.60	1/4	3,477.54	1/4	3,118.47	1/4	2,759.29	1/4	2,400.04	1/4	2,040.78	1/4		
1/2	1/2	4,903.71	1/2	4,546.75	1/2	4,188.19	1/2	3,829.12	1/2	3,470.06	1/2	3,110.99	1/2	2,751.81	1/2	2,392.55	1/2	2,033.30	1/2		
3/4	3/4	4,896.29	3/4	4,539.29	3/4	4,180.70	3/4	3,821.64	3/4	3,462.58	3/4	3,103.51	3/4	2,744.32	3/4	2,385.07	3/4	2,025.81	3/4		
7		4,888.86		4,531.83		4,173.22		3,814.16		3,455.10		3,096.03		2,736.84		2,377.58		2,018.33			
1/4	1/4	4,881.44	1/4	4,524.37	1/4	4,165.74	1/4	3,806.68	1/4	3,447.62	1/4	3,088.55	1/4	2,729.35	1/4	2,370.10	1/4	2,010.84	1/4		
1/2	1/2	4,874.02	1/2	4,516.91	1/2	4,158.26	1/2	3,799.20	1/2	3,440.14	1/2	3,081.07	1/2	2,721.87	1/2	2,362.61	1/2	2,003.36	1/2		
3/4	3/4	4,866.60	3/4	4,509.46	3/4	4,150.78	3/4	3,791.72	3/4	3,432.65	3/4	3,073.59	3/4	2,714.38	3/4	2,355.13	3/4	1,995.87	3/4		
8		4,859.18		4,502.00		4,143.30		3,784.24		3,425.17		3,066.11		2,706.90		2,347.64		1,988.39			
1/4	1/4	4,851.76	1/4	4,494.54	1/4	4,135.82	1/4	3,776.76	1/4	3,417.69	1/4	3,058.63	1/4	2,699.42	1/4	2,340.16	1/4	1,980.90	1/4		
1/2	1/2	4,844.34	1/2	4,487.08	1/2	4,128.34	1/2	3,769.28	1/2	3,410.21	1/2	3,051.15	1/2	2,691.93	1/2	2,332.68	1/2	1,973.42	1/2		
3/4	3/4	4,836.93	3/4	4,479.62	3/4	4,120.86	3/4	3,761.80	3/4	3,402.73	3/4	3,043.67	3/4	2,684.45	3/4	2,325.19	3/4	1,965.93	3/4		
9		4,829.51		4,472.16		4,113.38		3,754.32		3,395.25		3,036.19		2,676.96		2,317.71		1,958.45			
1/4	1/4	4,822.09	1/4	4,464.70	1/4	4,105.90	1/4	3,746.84	1/4	3,387.77	1/4	3,028.71	1/4	2,669.48	1/4	2,310.22	1/4	1,950.97	1/4		
1/2	1/2	4,814.67	1/2	4,457.24	1/2	4,098.42	1/2	3,739.36	1/2	3,380.29	1/2	3,021.23	1/2	2,661.99	1/2	2,302.74	1/2	1,943.48	1/2		
3/4	3/4	4,807.25	3/4	4,449.79	3/4	4,090.94	3/4	3,731.87	3/4	3,372.81	3/4	3,013.75	3/4	2,654.51	3/4	2,295.25	3/4	1,936.00	3/4		
10		4,799.83		4,442.33		4,083.46		3,724.39		3,365.33		3,006.27		2,647.02		2,287.77		1,928.51			
1/4	1/4	4,792.41	1/4	4,434.87	1/4	4,075.98	1/4	3,716.91	1/4	3,357.85	1/4	2,998.79	1/4	2,639.54	1/4	2,280.28	1/4	1,921.03	1/4		
1/2	1/2	4,784.99	1/2	4,427.41	1/2	4,068.50	1/2	3,709.43	1/2	3,350.37	1/2	2,991.31	1/2	2,632.06	1/2	2,272.80	1/2	1,913.54	1/2		
3/4	3/4	4,777.57	3/4	4,419.95	3/4	4,061.02	3/4	3,701.95	3/4	3,342.89	3/4	2,983.82	3/4	2,624.57	3/4	2,265.31	3/4	1,906.06	3/4		
11		4,770.15		4,412.49		4,053.54		3,694.47		3,335.41		2,976.34		2,617.09		2,257.83		1,898.57			
1/4	1/4	4,762.74	1/4	4,405.03	1/4	4,046.06	1/4	3,686.99	1/4	3,327.93	1/4	2,968.86	1/4	2,609.60	1/4	2,250.35	1/4	1,891.09	1/4		
1/2	1/2	4,755.32	1/2	4,397.57	1/2	4,038.58	1/2	3,679.51	1/2	3,320.45	1/2	2,961.37	1/2	2,602.12	1/2	2,242.86	1/2	1,883.61	1/2		
3/4	3/4	4,747.90	3/4	4,390.12	3/4	4,031.09	3/4	3,672.03	3/4	3,312.97	3/4	2,953.89	3/4	2,594.63	3/4	2,235.38	3/4	1,876.12	3/4		

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 TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28086"

2 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30041"

GAUGE HEIGHT 15'-02 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	1,868.64	0	1,509.38	0	1,150.97	0	805.24	0	451.66	0	97.47	0		0		0		0	
1/4	1,861.15	1/4	1,501.90	1/4	1,143.77	1/4	797.76	1/4	444.17	1/4	90.18	1/4		1/4		1/4		1/4	
1/2	1,853.67	1/2	1,494.41	1/2	1,136.57	1/2	790.28	1/2	436.69	1/2	82.90	1/2		1/2		1/2		1/2	
3/4	1,846.18	3/4	1,486.93	3/4	1,129.37	3/4	782.79	3/4	429.20	3/4	75.62	3/4		3/4		3/4		3/4	
1	1,838.70	1	1,479.44	1	1,122.17	1	775.31	1	421.72	1	68.14	1		1		1		1	
1/4	1,831.21	1/4	1,471.96	1/4	1,114.98	1/4	767.82	1/4	414.24	1/4	61.35	1/4		1/4		1/4		1/4	
1/2	1,823.73	1/2	1,464.47	1/2	1,107.78	1/2	760.34	1/2	406.75	1/2	54.57	1/2		1/2		1/2		1/2	
3/4	1,816.24	3/4	1,456.99	3/4	1,100.59	3/4	752.85	3/4	399.27	3/4	47.79	3/4		3/4		3/4		3/4	
2	1,808.76	2	1,449.50	2	1,093.40	2	745.37	2	391.78	2	41.00	2		2		2		2	
1/4	1,801.28	1/4	1,442.02	1/4	1,086.21	1/4	737.89	1/4	384.30	1/4	35.86	1/4		1/4		1/4		1/4	
1/2	1,793.79	1/2	1,434.54	1/2	1,079.03	1/2	730.40	1/2	376.81	1/2	30.71	1/2		1/2		1/2		1/2	
3/4	1,786.31	3/4	1,427.05	3/4	1,071.84	3/4	722.92	3/4	369.33	3/4	25.57	3/4		3/4		3/4		3/4	
3	1,778.82	3	1,419.57	3	1,064.65	3	715.43	3	361.85	3		3		3		3		3	
1/4	1,771.34	1/4	1,412.08	1/4	1,057.47	1/4	707.95	1/4	354.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,763.85	1/2	1,404.60	1/2	1,050.29	1/2	700.67	1/2	346.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,756.37	3/4	1,397.11	3/4	1,043.11	3/4	693.38	3/4	339.39	3/4		3/4		3/4		3/4		3/4	
4	1,748.88	4	1,389.63	4	1,035.92	4	686.10	4	331.91	4		4		4		4		4	
1/4	1,741.40	1/4	1,382.14	1/4	1,028.74	1/4	678.82	1/4	324.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,733.92	1/2	1,374.66	1/2	1,021.56	1/2	671.54	1/2	316.94	1/2		1/2		1/2		1/2		1/2	
3/4	1,726.43	3/4	1,367.17	3/4	1,014.38	3/4	664.26	3/4	309.46	3/4		3/4		3/4		3/4		3/4	
5	1,718.95	5	1,359.69	5	1,007.20	5	656.97	5	301.97	5		5		5		5		5	
1/4	1,711.46	1/4	1,352.21	1/4	1,000.02	1/4	649.69	1/4	294.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,703.98	1/2	1,344.72	1/2	992.84	1/2	642.41	1/2	287.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,696.49	3/4	1,337.24	3/4	985.66	3/4	635.13	3/4	279.52	3/4		3/4		3/4		3/4		3/4	
6	1,689.01	6	1,329.75	6	978.48	6	627.84	6	272.24	6		6		6		6		6	
1/4	1,681.52	1/4	1,322.27	1/4	971.30	1/4	620.56	1/4	264.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,674.04	1/2	1,314.78	1/2	964.12	1/2	613.28	1/2	257.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,666.55	3/4	1,307.30	3/4	956.94	3/4	606.00	3/4	250.39	3/4		3/4		3/4		3/4		3/4	
7	1,659.07	7	1,299.81	7	949.76	7	598.72	7	243.11	7		7		7		7		7	
1/4	1,651.59	1/4	1,292.33	1/4	942.58	1/4	591.43	1/4	235.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,644.10	1/2	1,284.85	1/2	935.40	1/2	584.15	1/2	228.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,636.62	3/4	1,277.36	3/4	928.22	3/4	576.87	3/4	221.26	3/4		3/4		3/4		3/4		3/4	
8	1,629.13	8	1,269.88	8	921.04	8	569.59	8	213.98	8		8		8		8		8	
1/4	1,621.65	1/4	1,262.39	1/4	913.86	1/4	562.30	1/4	206.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,614.16	1/2	1,254.91	1/2	906.68	1/2	555.02	1/2	199.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,606.68	3/4	1,247.42	3/4	899.50	3/4	547.74	3/4	192.13	3/4		3/4		3/4		3/4		3/4	
9	1,599.19	9	1,239.94	9	892.32	9	540.46	9	184.85	9		9		9		9		9	
1/4	1,591.71	1/4	1,232.45	1/4	885.14	1/4	533.18	1/4	177.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,584.23	1/2	1,224.97	1/2	877.96	1/2	525.89	1/2	170.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,576.74	3/4	1,217.48	3/4	870.78	3/4	518.61	3/4	163.00	3/4		3/4		3/4		3/4		3/4	
10	1,569.26	10	1,210.00	10	863.60	10	511.33	10	155.72	10		10		10		10		10	
1/4	1,561.77	1/4	1,202.52	1/4	856.42	1/4	504.05	1/4	148.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,554.29	1/2	1,195.03	1/2	849.24	1/2	496.56	1/2	141.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,546.80	3/4	1,187.55	3/4	842.06	3/4	489.08	3/4	133.88	3/4		3/4		3/4		3/4		3/4	
11	1,539.32	11	1,180.06	11	834.88	11	481.59	11	126.59	11		11		11		11		11	
1/4	1,531.83	1/4	1,172.79	1/4	827.47	1/4	474.11	1/4	119.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,524.35	1/2	1,165.52	1/2	820.06	1/2	466.63	1/2	112.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,516.86	3/4	1,158.25	3/4	812.65	3/4	459.14	3/4	104.75	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/2012 CL - SW
CALCULATED: 10/12/2012 CL
NAME CHANGE: 05/13/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2022

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



BARGE "KIRBY 28086"

2 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30041"

GAUGE HEIGHT 15'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	4,753.81	0	4,396.03	0	4,037.04	0	3,678.02	0	3,319.00	0	2,959.96	0	2,600.75	0	2,241.54		
1/4	1/4	5,082.53	1/4	4,746.39	1/4	4,388.56	1/4	4,029.56	1/4	3,670.54	1/4	3,311.52	1/4	2,952.48	1/4	2,593.27	1/4	2,234.05			
1/2	1/2	5,078.05	1/2	4,738.97	1/2	4,381.09	1/2	4,022.08	1/2	3,663.06	1/2	3,304.04	1/2	2,945.00	1/2	2,585.78	1/2	2,226.57			
3/4	3/4	5,073.57	3/4	4,731.56	3/4	4,373.61	3/4	4,014.60	3/4	3,655.58	3/4	3,296.56	3/4	2,937.51	3/4	2,578.30	3/4	2,219.09			
1		5,069.08		4,724.14		4,366.14		4,007.12		3,648.10		3,289.08		2,930.03		2,570.82		2,211.60			
1/4	1/4	5,063.53	1/4	4,716.69	1/4	4,358.66	1/4	3,999.64	1/4	3,640.62	1/4	3,281.60	1/4	2,922.54	1/4	2,563.33	1/4	2,204.12			
1/2	1/2	5,057.98	1/2	4,709.24	1/2	4,351.18	1/2	3,992.16	1/2	3,633.14	1/2	3,274.12	1/2	2,915.06	1/2	2,555.85	1/2	2,196.64			
3/4	3/4	5,052.43	3/4	4,701.80	3/4	4,343.70	3/4	3,984.68	3/4	3,625.66	3/4	3,266.64	3/4	2,907.58	3/4	2,548.36	3/4	2,189.15			
2		5,046.88		4,694.35		4,336.22		3,977.20		3,618.18		3,259.16		2,900.09		2,540.88		2,181.67			
1/4	1/4	5,040.26	1/4	4,686.89	1/4	4,328.74	1/4	3,969.72	1/4	3,610.70	1/4	3,251.68	1/4	2,892.61	1/4	2,533.40	1/4	2,174.18			
1/2	1/2	5,033.64	1/2	4,679.43	1/2	4,321.26	1/2	3,962.24	1/2	3,603.22	1/2	3,244.20	1/2	2,885.13	1/2	2,525.91	1/2	2,166.70			
3/4	3/4	5,027.02	3/4	4,671.97	3/4	4,313.78	3/4	3,954.76	3/4	3,595.74	3/4	3,236.72	3/4	2,877.64	3/4	2,518.43	3/4	2,159.22			
3		5,020.40		4,664.52		4,306.30		3,947.28		3,588.26		3,229.24		2,870.16		2,510.95		2,151.73			
1/4	1/4	5,013.11	1/4	4,657.06	1/4	4,298.82	1/4	3,939.80	1/4	3,580.78	1/4	3,221.76	1/4	2,862.68	1/4	2,503.46	1/4	2,144.25			
1/2	1/2	5,005.82	1/2	4,649.60	1/2	4,291.34	1/2	3,932.32	1/2	3,573.30	1/2	3,214.28	1/2	2,855.19	1/2	2,495.98	1/2	2,136.77			
3/4	3/4	4,998.53	3/4	4,642.14	3/4	4,283.86	3/4	3,924.84	3/4	3,565.82	3/4	3,206.80	3/4	2,847.71	3/4	2,488.50	3/4	2,129.28			
4		4,991.24		4,634.69		4,276.38		3,917.36		3,558.34		3,199.32		2,840.23		2,481.01		2,121.80			
1/4	1/4	4,983.82	1/4	4,627.23	1/4	4,268.91	1/4	3,909.88	1/4	3,550.86	1/4	3,191.84	1/4	2,832.74	1/4	2,473.53	1/4	2,114.32			
1/2	1/2	4,976.40	1/2	4,619.77	1/2	4,261.43	1/2	3,902.40	1/2	3,543.38	1/2	3,184.36	1/2	2,825.26	1/2	2,466.05	1/2	2,106.83			
3/4	3/4	4,968.98	3/4	4,612.31	3/4	4,253.95	3/4	3,894.93	3/4	3,535.90	3/4	3,176.88	3/4	2,817.77	3/4	2,458.56	3/4	2,099.35			
5		4,961.55		4,604.85		4,246.47		3,887.45		3,528.42		3,169.40		2,810.29		2,451.08		2,091.87			
1/4	1/4	4,954.13	1/4	4,597.40	1/4	4,238.99	1/4	3,879.97	1/4	3,520.95	1/4	3,161.92	1/4	2,802.81	1/4	2,443.59	1/4	2,084.38			
1/2	1/2	4,946.71	1/2	4,589.94	1/2	4,231.51	1/2	3,872.49	1/2	3,513.47	1/2	3,154.44	1/2	2,795.32	1/2	2,436.11	1/2	2,076.90			
3/4	3/4	4,939.29	3/4	4,582.48	3/4	4,224.03	3/4	3,865.01	3/4	3,505.99	3/4	3,146.96	3/4	2,787.84	3/4	2,428.63	3/4	2,069.41			
6		4,931.87		4,575.02		4,216.55		3,857.53		3,498.51		3,139.49		2,780.36		2,421.14		2,061.93			
1/4	1/4	4,924.44	1/4	4,567.56	1/4	4,209.07	1/4	3,850.05	1/4	3,491.03	1/4	3,132.01	1/4	2,772.87	1/4	2,413.66	1/4	2,054.45			
1/2	1/2	4,917.02	1/2	4,560.11	1/2	4,201.59	1/2	3,842.57	1/2	3,483.55	1/2	3,124.53	1/2	2,765.39	1/2	2,406.18	1/2	2,046.96			
3/4	3/4	4,909.60	3/4	4,552.65	3/4	4,194.11	3/4	3,835.09	3/4	3,476.07	3/4	3,117.05	3/4	2,757.91	3/4	2,398.69	3/4	2,039.48			
7		4,902.18		4,545.19		4,186.63		3,827.61		3,468.59		3,109.57		2,750.42		2,391.21		2,032.00			
1/4	1/4	4,894.76	1/4	4,537.73	1/4	4,179.15	1/4	3,820.13	1/4	3,461.11	1/4	3,102.09	1/4	2,742.94	1/4	2,383.73	1/4	2,024.51			
1/2	1/2	4,887.34	1/2	4,530.27	1/2	4,171.67	1/2	3,812.65	1/2	3,453.63	1/2	3,094.61	1/2	2,735.45	1/2	2,376.24	1/2	2,017.03			
3/4	3/4	4,879.92	3/4	4,522.82	3/4	4,164.19	3/4	3,805.17	3/4	3,446.15	3/4	3,087.13	3/4	2,727.97	3/4	2,368.76	3/4	2,009.55			
8		4,872.50		4,515.36		4,156.71		3,797.69		3,438.67		3,079.65		2,720.49		2,361.27		2,002.06			
1/4	1/4	4,865.08	1/4	4,507.90	1/4	4,149.23	1/4	3,790.21	1/4	3,431.19	1/4	3,072.17	1/4	2,713.00	1/4	2,353.79	1/4	1,994.58			
1/2	1/2	4,857.66	1/2	4,500.44	1/2	4,141.75	1/2	3,782.73	1/2	3,423.71	1/2	3,064.69	1/2	2,705.52	1/2	2,346.31	1/2	1,987.09			
3/4	3/4	4,850.25	3/4	4,492.98	3/4	4,134.27	3/4	3,775.25	3/4	3,416.23	3/4	3,057.21	3/4	2,698.04	3/4	2,338.82	3/4	1,979.61			
9		4,842.83		4,485.53		4,126.79		3,767.77		3,408.75		3,049.73		2,690.55		2,331.34		1,972.13			
1/4	1/4	4,835.41	1/4	4,478.07	1/4	4,119.31	1/4	3,760.29	1/4	3,401.27	1/4	3,042.25	1/4	2,683.07	1/4	2,323.86	1/4	1,964.64			
1/2	1/2	4,827.99	1/2	4,470.61	1/2	4,111.83	1/2	3,752.81	1/2	3,393.79	1/2	3,034.77	1/2	2,675.59	1/2	2,316.37	1/2	1,957.16			
3/4	3/4	4,820.57	3/4	4,463.15	3/4	4,104.35	3/4	3,745.33	3/4	3,386.31	3/4	3,027.29	3/4	2,668.10	3/4	2,308.89	3/4	1,949.68			
10		4,813.16		4,455.70		4,096.87		3,737.85		3,378.83		3,019.81		2,660.62		2,301.41		1,942.19			
1/4	1/4	4,805.74	1/4	4,448.24	1/4	4,089.39	1/4	3,730.37	1/4	3,371.35	1/4	3,012.33	1/4	2,653.14	1/4	2,293.92	1/4	1,934.71			
1/2	1/2	4,798.32	1/2	4,440.78	1/2	4,081.92	1/2	3,722.89	1/2	3,363.87	1/2	3,004.85	1/2	2,645.65	1/2	2,286.44	1/2	1,927.23			
3/4	3/4	4,790.90	3/4	4,433.32	3/4	4,074.44	3/4	3,715.41	3/4	3,356.39	3/4	2,997.37	3/4	2,638.17	3/4	2,278.96	3/4	1,919.74			
11		4,783.48		4,425.86		4,066.96		3,707.94		3,348.91		2,989.89		2,630.68		2,271.47		1,912.26			
1/4	1/4	4,776.06	1/4	4,418.41	1/4	4,059.48	1/4	3,700.46	1/4	3,341.43	1/4	2,982.41	1/4	2,623.20	1/4	2,263.99	1/4	1,904.78			
1/2	1/2	4,768.65	1/2	4,410.95	1/2	4,052.00	1/2	3,692.98	1/2	3,333.95	1/2	2,974.93	1/2	2,615.72	1/2	2,256.50	1/2	1,897.29			
3/4	3/4	4,761.23	3/4	4,403.49	3/4	4,044.52	3/4	3,685.50	3/4	3,326.48	3/4	2,967.45	3/4	2,608.23	3/4	2,249.02	3/4	1,889.81			

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 TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28086"

2 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30041"

GAUGE HEIGHT 15'-02 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	1,882.32	0	1,523.11	0	1,163.90	0	805.15	0	451.60	0	97.46	0		0		0		0	
1/4	1,874.84	1/4	1,515.63	1/4	1,156.42	1/4	797.66	1/4	444.12	1/4	90.17	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,867.36	1/2	1,508.14	1/2	1,148.93	1/2	790.18	1/2	436.64	1/2	82.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,859.87	3/4	1,500.66	3/4	1,141.45	3/4	782.70	3/4	429.15	3/4	75.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,852.39	1	1,493.18	1	1,133.96	1	775.21	1	421.67	1	68.13	1	1	1	1	1	1	1	1
1/4	1,844.91	1/4	1,485.69	1/4	1,126.49	1/4	767.73	1/4	414.19	1/4	61.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,837.42	1/2	1,478.21	1/2	1,119.01	1/2	760.25	1/2	406.70	1/2	54.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,829.94	3/4	1,470.73	3/4	1,111.53	3/4	752.76	3/4	399.22	3/4	47.78	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,822.46	2	1,463.24	2	1,104.05	2	745.28	2	391.74	2	41.00	2	2	2	2	2	2	2	2
1/4	1,814.97	1/4	1,455.76	1/4	1,096.57	1/4	737.80	1/4	384.25	1/4	35.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,807.49	1/2	1,448.28	1/2	1,089.09	1/2	730.31	1/2	376.77	1/2	30.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,800.00	3/4	1,440.79	3/4	1,081.61	3/4	722.83	3/4	369.29	3/4	25.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,792.52	3	1,433.31	3	1,074.14	3	715.34	3	361.80	3		3	3	3	3	3	3	3	3
1/4	1,785.04	1/4	1,425.82	1/4	1,066.66	1/4	707.86	1/4	354.32	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,777.55	1/2	1,418.34	1/2	1,059.19	1/2	700.58	1/2	346.84	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,770.07	3/4	1,410.86	3/4	1,051.72	3/4	693.30	3/4	339.35	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,762.59	4	1,403.37	4	1,044.25	4	686.02	4	331.87	4	4	4	4	4	4	4	4	4	4
1/4	1,755.10	1/4	1,395.89	1/4	1,036.78	1/4	678.74	1/4	324.39	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,747.62	1/2	1,388.41	1/2	1,029.31	1/2	671.46	1/2	316.90	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,740.14	3/4	1,380.92	3/4	1,021.83	3/4	664.17	3/4	309.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,732.65	5	1,373.44	5	1,014.36	5	656.89	5	301.94	5	5	5	5	5	5	5	5	5	5
1/4	1,725.17	1/4	1,365.96	1/4	1,006.89	1/4	649.61	1/4	294.45	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,717.69	1/2	1,358.47	1/2	999.42	1/2	642.33	1/2	286.97	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,710.20	3/4	1,350.99	3/4	991.95	3/4	635.05	3/4	279.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,702.72	6	1,343.51	6	984.48	6	627.77	6	272.20	6	6	6	6	6	6	6	6	6	6
1/4	1,695.23	1/4	1,336.02	1/4	977.01	1/4	620.49	1/4	264.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,687.75	1/2	1,328.54	1/2	969.54	1/2	613.21	1/2	257.64	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,680.27	3/4	1,321.05	3/4	962.07	3/4	605.92	3/4	250.36	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,672.78	7	1,313.57	7	954.60	7	598.64	7	243.08	7	7	7	7	7	7	7	7	7	7
1/4	1,665.30	1/4	1,306.09	1/4	947.13	1/4	591.36	1/4	235.80	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,657.82	1/2	1,298.60	1/2	939.66	1/2	584.08	1/2	228.52	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,650.33	3/4	1,291.12	3/4	932.19	3/4	576.80	3/4	221.24	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,642.85	8	1,283.64	8	924.72	8	569.52	8	213.96	8	8	8	8	8	8	8	8	8	8
1/4	1,635.37	1/4	1,276.15	1/4	917.25	1/4	562.24	1/4	206.67	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,627.88	1/2	1,268.67	1/2	909.77	1/2	554.96	1/2	199.39	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,620.40	3/4	1,261.19	3/4	902.30	3/4	547.68	3/4	192.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,612.91	9	1,253.70	9	894.83	9	540.39	9	184.83	9	9	9	9	9	9	9	9	9	9
1/4	1,605.43	1/4	1,246.22	1/4	887.36	1/4	533.11	1/4	177.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,597.95	1/2	1,238.73	1/2	879.89	1/2	525.83	1/2	170.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,590.46	3/4	1,231.25	3/4	872.42	3/4	518.55	3/4	162.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,582.98	10	1,223.77	10	864.95	10	511.27	10	155.71	10	10	10	10	10	10	10	10	10	10
1/4	1,575.50	1/4	1,216.28	1/4	857.48	1/4	503.99	1/4	148.42	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,568.01	1/2	1,208.80	1/2	850.01	1/2	496.50	1/2	141.14	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,560.53	3/4	1,201.32	3/4	842.54	3/4	489.02	3/4	133.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,553.05	11	1,193.83	11	835.07	11	481.54	11	126.58	11	11	11	11	11	11	11	11	11	11
1/4	1,545.56	1/4	1,186.35	1/4	827.59	1/4	474.05	1/4	119.30	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,538.08	1/2	1,178.87	1/2	820.11	1/2	466.57	1/2	112.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,530.60	3/4	1,171.38	3/4	812.63	3/4	459.09	3/4	104.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/2012 CL - SW
CALCULATED: 10/12/2012 CL
NAME CHANGE: 05/13/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2022

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



BARGE "KIRBY 28086"

3 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30041"

GAUGE HEIGHT 15'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	4,006.51	0	3,870.93	0	3,734.52	0	3,598.11	0	3,283.44	0	2,927.06	0	2,570.43	0	2,214.89		
1/4	1/4	1/4	4,118.98	1/4	4,003.71	1/4	3,868.09	1/4	3,731.68	1/4	3,595.27	1/4	3,276.04	1/4	2,919.63	1/4	2,563.00	1/4	2,207.52
1/2	1/2	1/2	4,118.86	1/2	4,000.91	1/2	3,865.25	1/2	3,728.84	1/2	3,592.42	1/2	3,268.63	1/2	2,912.20	1/2	2,555.56	1/2	2,200.15
3/4	3/4	3/4	4,118.73	3/4	3,998.11	3/4	3,862.41	3/4	3,726.00	3/4	3,589.58	3/4	3,261.22	3/4	2,904.77	3/4	2,548.12	3/4	2,192.77
1	1	1	4,118.61	1	3,995.31	1	3,859.57	1	3,723.16	1	3,586.74	1	3,253.82	1	2,897.34	1	2,540.69	1	2,185.40
1/4	1/4	1/4	4,117.67	1/4	3,992.49	1/4	3,856.73	1/4	3,720.31	1/4	3,583.90	1/4	3,246.40	1/4	2,889.91	1/4	2,533.25	1/4	2,178.02
1/2	1/2	1/2	4,116.73	1/2	3,989.67	1/2	3,853.89	1/2	3,717.47	1/2	3,581.06	1/2	3,238.98	1/2	2,882.48	1/2	2,525.81	1/2	2,170.65
3/4	3/4	3/4	4,115.79	3/4	3,986.85	3/4	3,851.05	3/4	3,714.63	3/4	3,578.21	3/4	3,231.56	3/4	2,875.05	3/4	2,518.38	3/4	2,163.28
2	2	2	4,114.85	2	3,984.03	2	3,848.20	2	3,711.79	2	3,575.37	2	3,224.13	2	2,867.62	2	2,510.94	2	2,155.90
1/4	1/4	1/4	4,112.84	1/4	3,981.20	1/4	3,845.36	1/4	3,708.95	1/4	3,569.08	1/4	3,216.71	1/4	2,860.20	1/4	2,503.50	1/4	2,148.53
1/2	1/2	1/2	4,110.84	1/2	3,978.37	1/2	3,842.52	1/2	3,706.10	1/2	3,562.78	1/2	3,209.28	1/2	2,852.77	1/2	2,496.07	1/2	2,141.16
3/4	3/4	3/4	4,108.83	3/4	3,975.54	3/4	3,839.68	3/4	3,703.26	3/4	3,556.48	3/4	3,201.85	3/4	2,845.34	3/4	2,488.63	3/4	2,133.78
3	3	3	4,106.83	3	3,972.72	3	3,836.84	3	3,700.42	3	3,550.19	3	3,194.43	3	2,837.91	3	2,481.19	3	2,126.41
1/4	1/4	1/4	4,104.16	1/4	3,969.89	1/4	3,833.99	1/4	3,697.58	1/4	3,542.76	1/4	3,187.00	1/4	2,830.48	1/4	2,473.79	1/4	2,119.03
1/2	1/2	1/2	4,101.49	1/2	3,967.06	1/2	3,831.15	1/2	3,694.74	1/2	3,535.34	1/2	3,179.57	1/2	2,823.05	1/2	2,466.38	1/2	2,111.66
3/4	3/4	3/4	4,098.82	3/4	3,964.23	3/4	3,828.31	3/4	3,691.89	3/4	3,527.91	3/4	3,172.15	3/4	2,815.62	3/4	2,458.97	3/4	2,104.29
4	4	4	4,096.15	4	3,961.41	4	3,825.47	4	3,689.05	4	3,520.49	4	3,164.72	4	2,808.19	4	2,451.56	4	2,096.91
1/4	1/4	1/4	4,093.35	1/4	3,958.58	1/4	3,822.63	1/4	3,686.21	1/4	3,513.07	1/4	3,157.29	1/4	2,800.76	1/4	2,444.16	1/4	2,089.54
1/2	1/2	1/2	4,090.55	1/2	3,955.75	1/2	3,819.78	1/2	3,683.37	1/2	3,505.65	1/2	3,149.87	1/2	2,793.33	1/2	2,436.77	1/2	2,082.17
3/4	3/4	3/4	4,087.74	3/4	3,952.92	3/4	3,816.94	3/4	3,680.53	3/4	3,498.24	3/4	3,142.44	3/4	2,785.90	3/4	2,429.37	3/4	2,074.79
5	5	5	4,084.94	5	3,950.10	5	3,814.10	5	3,677.68	5	3,490.82	5	3,135.01	5	2,778.47	5	2,421.97	5	2,067.42
1/4	1/4	1/4	4,082.14	1/4	3,947.27	1/4	3,811.26	1/4	3,674.84	1/4	3,483.41	1/4	3,127.59	1/4	2,771.04	1/4	2,414.57	1/4	2,060.04
1/2	1/2	1/2	4,079.34	1/2	3,944.44	1/2	3,808.42	1/2	3,672.00	1/2	3,476.00	1/2	3,120.16	1/2	2,763.61	1/2	2,407.17	1/2	2,052.67
3/4	3/4	3/4	4,076.53	3/4	3,941.61	3/4	3,805.57	3/4	3,669.16	3/4	3,468.59	3/4	3,112.73	3/4	2,756.19	3/4	2,399.77	3/4	2,045.30
6	6	6	4,073.73	6	3,938.79	6	3,802.73	6	3,666.32	6	3,461.18	6	3,105.31	6	2,748.76	6	2,392.38	6	2,037.92
1/4	1/4	1/4	4,070.93	1/4	3,935.96	1/4	3,799.89	1/4	3,663.47	1/4	3,453.78	1/4	3,097.88	1/4	2,741.33	1/4	2,384.98	1/4	2,030.55
1/2	1/2	1/2	4,068.12	1/2	3,933.13	1/2	3,797.05	1/2	3,660.63	1/2	3,446.37	1/2	3,090.45	1/2	2,733.90	1/2	2,377.58	1/2	2,023.17
3/4	3/4	3/4	4,065.32	3/4	3,930.30	3/4	3,794.21	3/4	3,657.79	3/4	3,438.97	3/4	3,083.03	3/4	2,726.47	3/4	2,370.18	3/4	2,015.80
7	7	7	4,062.52	7	3,927.48	7	3,791.36	7	3,654.95	7	3,431.56	7	3,075.60	7	2,719.04	7	2,362.78	7	2,008.43
1/4	1/4	1/4	4,059.72	1/4	3,924.65	1/4	3,788.52	1/4	3,652.11	1/4	3,424.15	1/4	3,068.17	1/4	2,711.61	1/4	2,355.39	1/4	2,001.05
1/2	1/2	1/2	4,056.92	1/2	3,921.82	1/2	3,785.68	1/2	3,649.26	1/2	3,416.75	1/2	3,060.75	1/2	2,704.18	1/2	2,347.99	1/2	1,993.68
3/4	3/4	3/4	4,054.12	3/4	3,918.99	3/4	3,782.84	3/4	3,646.42	3/4	3,409.34	3/4	3,053.32	3/4	2,696.75	3/4	2,340.59	3/4	1,986.31
8	8	8	4,051.31	8	3,916.17	8	3,780.00	8	3,643.58	8	3,401.94	8	3,045.89	8	2,689.32	8	2,333.19	8	1,978.93
1/4	1/4	1/4	4,048.51	1/4	3,913.34	1/4	3,777.15	1/4	3,640.74	1/4	3,394.53	1/4	3,038.47	1/4	2,681.89	1/4	2,325.79	1/4	1,971.56
1/2	1/2	1/2	4,045.71	1/2	3,910.51	1/2	3,774.31	1/2	3,637.90	1/2	3,387.12	1/2	3,031.04	1/2	2,674.46	1/2	2,318.39	1/2	1,964.18
3/4	3/4	3/4	4,042.91	3/4	3,907.68	3/4	3,771.47	3/4	3,635.05	3/4	3,379.72	3/4	3,023.61	3/4	2,667.03	3/4	2,311.00	3/4	1,956.81
9	9	9	4,040.11	9	3,904.86	9	3,768.63	9	3,632.21	9	3,372.31	9	3,016.19	9	2,659.60	9	2,303.60	9	1,949.44
1/4	1/4	1/4	4,037.31	1/4	3,902.03	1/4	3,765.79	1/4	3,629.37	1/4	3,364.91	1/4	3,008.76	1/4	2,652.18	1/4	2,296.20	1/4	1,942.06
1/2	1/2	1/2	4,034.51	1/2	3,899.20	1/2	3,762.94	1/2	3,626.53	1/2	3,357.50	1/2	3,001.33	1/2	2,644.75	1/2	2,288.80	1/2	1,934.69
3/4	3/4	3/4	4,031.71	3/4	3,896.37	3/4	3,760.10	3/4	3,623.69	3/4	3,350.09	3/4	2,993.91	3/4	2,637.32	3/4	2,281.40	3/4	1,927.32
10	10	10	4,028.91	10	3,893.55	10	3,757.26	10	3,620.84	10	3,342.69	10	2,986.48	10	2,629.89	10	2,274.01	10	1,919.94
1/4	1/4	1/4	4,026.11	1/4	3,890.72	1/4	3,754.42	1/4	3,618.00	1/4	3,335.28	1/4	2,979.05	1/4	2,622.46	1/4	2,266.61	1/4	1,912.57
1/2	1/2	1/2	4,023.31	1/2	3,887.89	1/2	3,751.58	1/2	3,615.16	1/2	3,327.88	1/2	2,971.63	1/2	2,615.03	1/2	2,259.21	1/2	1,905.19
3/4	3/4	3/4	4,020.51	3/4	3,885.06	3/4	3,748.73	3/4	3,612.32	3/4	3,320.47	3/4	2,964.20	3/4	2,607.60	3/4	2,251.81	3/4	1,897.82
11	11	11	4,017.71	11	3,882.24	11	3,745.89	11	3,609.48	11	3,313.06	11	2,956.77	11	2,600.17	11	2,244.41	11	1,890.45
1/4	1/4	1/4	4,014.91	1/4	3,879.41	1/4	3,743.05	1/4	3,606.63	1/4	3,305.66	1/4	2,949.34	1/4	2,592.74	1/4	2,237.03	1/4	1,883.03
1/2	1/2	1/2	4,012.11	1/2	3,876.58	1/2	3,740.21	1/2	3,603.79	1/2	3,298.25	1/2	2,941.92	1/2	2,585.30	1/2	2,229.65	1/2	1,875.61
3/4	3/4	3/4	4,009.31	3/4	3,873.75	3/4	3,737.37	3/4	3,600.95	3/4	3,290.85	3/4	2,934.49	3/4	2,577.87	3/4	2,222.27	3/4	1,868.19

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 TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 56'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28086"

3 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30041"

GAUGE HEIGHT 15'-02 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	1,860.77	0	1,503.81	0	1,147.48	0	800.68	0	449.17	0	97.06	0		0		0		0	
1/4	1,853.33	1/4	1,496.37	1/4	1,140.25	1/4	793.24	1/4	441.73	1/4	89.81	1/4		1/4		1/4		1/4	
1/2	1,845.89	1/2	1,488.93	1/2	1,133.02	1/2	785.80	1/2	434.29	1/2	82.56	1/2		1/2		1/2		1/2	
3/4	1,838.46	3/4	1,481.50	3/4	1,125.80	3/4	778.36	3/4	426.85	3/4	75.31	3/4		3/4		3/4		3/4	
1	1,831.02	1	1,474.06	1	1,118.57	1	770.92	1	419.41	1	67.86	1		1		1		1	
1/4	1,823.58	1/4	1,466.62	1/4	1,111.35	1/4	763.48	1/4	411.97	1/4	61.10	1/4		1/4		1/4		1/4	
1/2	1,816.15	1/2	1,459.19	1/2	1,104.13	1/2	756.04	1/2	404.53	1/2	54.35	1/2		1/2		1/2		1/2	
3/4	1,808.71	3/4	1,451.75	3/4	1,096.92	3/4	748.60	3/4	397.09	3/4	47.59	3/4		3/4		3/4		3/4	
2	1,801.27	2	1,444.31	2	1,089.70	2	741.15	2	389.65	2	40.84	2		2		2		2	
1/4	1,793.84	1/4	1,436.88	1/4	1,082.49	1/4	733.71	1/4	382.21	1/4	35.72	1/4		1/4		1/4		1/4	
1/2	1,786.40	1/2	1,429.44	1/2	1,075.27	1/2	726.27	1/2	374.77	1/2	30.59	1/2		1/2		1/2		1/2	
3/4	1,778.96	3/4	1,422.00	3/4	1,068.06	3/4	718.83	3/4	367.33	3/4	25.46	3/4		3/4		3/4		3/4	
3	1,771.53	3	1,414.57	3	1,060.84	3	711.39	3	359.89	3		3		3		3		3	
1/4	1,764.09	1/4	1,407.13	1/4	1,053.63	1/4	703.95	1/4	352.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,756.65	1/2	1,399.69	1/2	1,046.43	1/2	696.71	1/2	345.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,749.22	3/4	1,392.26	3/4	1,039.22	3/4	689.47	3/4	337.58	3/4		3/4		3/4		3/4		3/4	
4	1,741.78	4	1,384.82	4	1,032.01	4	682.23	4	330.14	4		4		4		4		4	
1/4	1,734.34	1/4	1,377.38	1/4	1,024.80	1/4	674.99	1/4	322.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,726.91	1/2	1,369.95	1/2	1,017.59	1/2	667.75	1/2	315.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,719.47	3/4	1,362.51	3/4	1,010.39	3/4	660.51	3/4	307.82	3/4		3/4		3/4		3/4		3/4	
5	1,712.03	5	1,355.07	5	1,003.18	5	653.28	5	300.38	5		5		5		5		5	
1/4	1,704.60	1/4	1,347.64	1/4	995.97	1/4	646.04	1/4	292.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,697.16	1/2	1,340.20	1/2	988.76	1/2	638.80	1/2	285.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,689.72	3/4	1,332.76	3/4	981.56	3/4	631.56	3/4	278.06	3/4		3/4		3/4		3/4		3/4	
6	1,682.29	6	1,325.33	6	974.35	6	624.32	6	270.82	6		6		6		6		6	
1/4	1,674.85	1/4	1,317.89	1/4	967.14	1/4	617.08	1/4	263.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,667.41	1/2	1,310.45	1/2	959.94	1/2	609.84	1/2	256.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,659.98	3/4	1,303.02	3/4	952.73	3/4	602.60	3/4	249.11	3/4		3/4		3/4		3/4		3/4	
7	1,652.54	7	1,295.58	7	945.52	7	595.36	7	241.87	7		7		7		7		7	
1/4	1,645.10	1/4	1,288.14	1/4	938.32	1/4	588.12	1/4	234.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,637.67	1/2	1,280.71	1/2	931.11	1/2	580.88	1/2	227.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,630.23	3/4	1,273.27	3/4	923.90	3/4	573.64	3/4	220.15	3/4		3/4		3/4		3/4		3/4	
8	1,622.79	8	1,265.83	8	916.69	8	566.40	8	212.91	8		8		8		8		8	
1/4	1,615.36	1/4	1,258.40	1/4	909.49	1/4	559.16	1/4	205.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,607.92	1/2	1,250.96	1/2	902.28	1/2	551.92	1/2	198.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,600.48	3/4	1,243.52	3/4	895.07	3/4	544.69	3/4	191.20	3/4		3/4		3/4		3/4		3/4	
9	1,593.05	9	1,236.09	9	887.87	9	537.45	9	183.96	9		9		9		9		9	
1/4	1,585.61	1/4	1,228.65	1/4	880.66	1/4	530.21	1/4	176.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,578.17	1/2	1,221.21	1/2	873.45	1/2	522.97	1/2	169.48	1/2		1/2		1/2		1/2		1/2	
3/4	1,570.74	3/4	1,213.78	3/4	866.24	3/4	515.73	3/4	162.24	3/4		3/4		3/4		3/4		3/4	
10	1,563.30	10	1,206.34	10	859.04	10	508.49	10	155.00	10		10		10		10		10	
1/4	1,555.86	1/4	1,198.90	1/4	851.83	1/4	501.25	1/4	147.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,548.43	1/2	1,191.47	1/2	844.62	1/2	493.81	1/2	140.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,540.99	3/4	1,184.03	3/4	837.42	3/4	486.37	3/4	133.28	3/4		3/4		3/4		3/4		3/4	
11	1,533.55	11	1,176.59	11	830.21	11	478.93	11	126.03	11		11		11		11		11	
1/4	1,526.12	1/4	1,169.31	1/4	822.83	1/4	471.49	1/4	118.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,518.68	1/2	1,162.03	1/2	815.45	1/2	464.05	1/2	111.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,511.24	3/4	1,154.76	3/4	808.06	3/4	456.61	3/4	104.30	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/2012 CL - SW
CALCULATED: 10/12/2012 CL
NAME CHANGE: 05/13/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2022

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



BARGE "KIRBY 28086"

3 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30041"

GAUGE HEIGHT 15'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0	4,034.96	0	3,899.44	0	3,763.07	0	3,626.66	0	3,320.58	0	2,963.33	0	2,605.80	0	2,247.94		
1/4	1/4	1/4	1/4	1/4	4,032.16	1/4	3,896.61	1/4	3,760.23	1/4	3,623.82	1/4	3,313.15	1/4	2,955.88	1/4	2,598.35	1/4	2,240.48		
1/2	1/2	1/2	1/2	1/2	4,029.36	1/2	3,893.78	1/2	3,757.39	1/2	3,620.97	1/2	3,305.73	1/2	2,948.44	1/2	2,590.89	1/2	2,233.03		
3/4	3/4	3/4	3/4	3/4	4,141.83	3/4	4,026.56	3/4	3,890.95	3/4	3,754.54	3/4	3,618.13	3/4	3,298.30	3/4	2,940.99	3/4	2,583.44	3/4	2,225.57
1		1		1	4,023.76	1	3,888.11	1	3,751.70	1	3,615.29	1	3,290.88	1	2,933.54	1	2,575.98	1	2,218.12		
1/4	1/4	1/4	1/4	1/4	4,020.96	1/4	3,885.27	1/4	3,748.86	1/4	3,612.45	1/4	3,283.45	1/4	2,926.09	1/4	2,568.52	1/4	2,210.66		
1/2	1/2	1/2	1/2	1/2	4,014.46	1/2	3,882.43	1/2	3,746.02	1/2	3,609.61	1/2	3,276.03	1/2	2,918.64	1/2	2,561.07	1/2	2,203.20		
3/4	3/4	3/4	3/4	3/4	4,140.52	3/4	4,015.34	3/4	3,879.59	3/4	3,743.18	3/4	3,606.77	3/4	3,268.59	3/4	2,911.19	3/4	2,553.61	3/4	2,195.75
2		2		2	4,012.52	2	3,876.75	2	3,740.33	2	3,603.92	2	3,261.15	2	2,903.75	2	2,546.16	2	2,188.29		
1/4	1/4	1/4	1/4	1/4	4,009.70	1/4	3,873.90	1/4	3,737.49	1/4	3,601.08	1/4	3,253.71	1/4	2,896.30	1/4	2,538.70	1/4	2,180.84		
1/2	1/2	1/2	1/2	1/2	4,006.88	1/2	3,871.06	1/2	3,734.65	1/2	3,598.24	1/2	3,246.27	1/2	2,888.85	1/2	2,531.25	1/2	2,173.38		
3/4	3/4	3/4	3/4	3/4	4,135.70	3/4	4,004.05	3/4	3,868.22	3/4	3,731.81	3/4	3,591.94	3/4	3,238.82	3/4	2,881.40	3/4	2,523.79	3/4	2,165.93
3		3		3	4,001.23	3	3,865.38	3	3,728.97	3	3,585.64	3	3,231.37	3	2,873.95	3	2,516.34	3	2,158.47		
1/4	1/4	1/4	1/4	1/4	3,998.40	1/4	3,862.54	1/4	3,726.13	1/4	3,579.35	1/4	3,223.93	1/4	2,866.50	1/4	2,508.88	1/4	2,151.02		
1/2	1/2	1/2	1/2	1/2	3,995.57	1/2	3,859.69	1/2	3,723.28	1/2	3,573.05	1/2	3,216.48	1/2	2,859.06	1/2	2,501.42	1/2	2,143.56		
3/4	3/4	3/4	3/4	3/4	4,127.01	3/4	3,992.74	3/4	3,856.85	3/4	3,720.44	3/4	3,565.62	3/4	3,209.04	3/4	2,851.61	3/4	2,493.97	3/4	2,136.11
4		4		4	3,989.92	4	3,854.01	4	3,717.60	4	3,558.19	4	3,201.59	4	2,844.16	4	2,486.51	4	2,128.65		
1/4	1/4	1/4	1/4	1/4	3,987.09	1/4	3,851.17	1/4	3,714.76	1/4	3,550.76	1/4	3,194.15	1/4	2,836.71	1/4	2,479.06	1/4	2,121.19		
1/2	1/2	1/2	1/2	1/2	3,984.26	1/2	3,848.33	1/2	3,711.92	1/2	3,543.32	1/2	3,186.70	1/2	2,829.26	1/2	2,471.60	1/2	2,113.74		
3/4	3/4	3/4	3/4	3/4	4,116.20	3/4	3,981.43	3/4	3,845.48	3/4	3,709.07	3/4	3,535.90	3/4	3,179.26	3/4	2,821.81	3/4	2,464.15	3/4	2,106.28
5		5		5	3,978.61	5	3,842.64	5	3,706.23	5	3,528.47	5	3,171.81	5	2,814.37	5	2,456.69	5	2,098.83		
1/4	1/4	1/4	1/4	1/4	3,975.78	1/4	3,839.80	1/4	3,703.39	1/4	3,521.05	1/4	3,164.36	1/4	2,806.92	1/4	2,449.24	1/4	2,091.37		
1/2	1/2	1/2	1/2	1/2	3,972.95	1/2	3,836.96	1/2	3,700.55	1/2	3,513.62	1/2	3,156.92	1/2	2,799.47	1/2	2,441.78	1/2	2,083.92		
3/4	3/4	3/4	3/4	3/4	4,104.99	3/4	3,970.12	3/4	3,834.12	3/4	3,697.71	3/4	3,506.20	3/4	3,149.47	3/4	2,792.02	3/4	2,434.33	3/4	2,076.46
6		6		6	3,967.30	6	3,831.28	6	3,694.86	6	3,498.78	6	3,142.03	6	2,784.57	6	2,426.87	6	2,069.01		
1/4	1/4	1/4	1/4	1/4	3,964.47	1/4	3,828.43	1/4	3,692.02	1/4	3,491.35	1/4	3,134.58	1/4	2,777.12	1/4	2,419.41	1/4	2,061.55		
1/2	1/2	1/2	1/2	1/2	3,961.64	1/2	3,825.59	1/2	3,689.18	1/2	3,483.93	1/2	3,127.14	1/2	2,769.68	1/2	2,411.96	1/2	2,054.09		
3/4	3/4	3/4	3/4	3/4	4,093.78	3/4	3,958.81	3/4	3,822.75	3/4	3,686.34	3/4	3,119.69	3/4	2,762.23	3/4	2,404.50	3/4	2,046.64		
7		7		7	3,955.99	7	3,819.91	7	3,683.50	7	3,469.08	7	3,112.25	7	2,754.78	7	2,397.05	7	2,039.18		
1/4	1/4	1/4	1/4	1/4	3,953.16	1/4	3,817.07	1/4	3,680.65	1/4	3,461.65	1/4	3,104.80	1/4	2,747.33	1/4	2,389.59	1/4	2,031.73		
1/2	1/2	1/2	1/2	1/2	3,950.33	1/2	3,814.22	1/2	3,677.81	1/2	3,454.23	1/2	3,097.35	1/2	2,739.88	1/2	2,382.14	1/2	2,024.27		
3/4	3/4	3/4	3/4	3/4	4,082.57	3/4	3,947.51	3/4	3,811.38	3/4	3,674.97	3/4	3,446.80	3/4	3,089.91	3/4	2,732.43	3/4	2,374.68	3/4	2,016.82
8		8		8	3,944.68	8	3,808.54	8	3,672.13	8	3,439.38	8	3,082.46	8	2,724.99	8	2,367.23	8	2,009.36		
1/4	1/4	1/4	1/4	1/4	3,941.85	1/4	3,805.70	1/4	3,669.29	1/4	3,431.95	1/4	3,075.02	1/4	2,717.54	1/4	2,359.77	1/4	2,001.91		
1/2	1/2	1/2	1/2	1/2	3,939.02	1/2	3,802.86	1/2	3,666.45	1/2	3,424.53	1/2	3,067.57	1/2	2,710.09	1/2	2,352.31	1/2	1,994.45		
3/4	3/4	3/4	3/4	3/4	4,071.36	3/4	3,936.20	3/4	3,800.01	3/4	3,663.60	3/4	3,417.10	3/4	3,060.13	3/4	2,702.64	3/4	2,344.86	3/4	1,987.00
9		9		9	3,933.37	9	3,797.17	9	3,660.76	9	3,409.68	9	3,052.68	9	2,695.19	9	2,337.40	9	1,979.54		
1/4	1/4	1/4	1/4	1/4	3,930.54	1/4	3,794.33	1/4	3,657.92	1/4	3,402.25	1/4	3,045.23	1/4	2,687.74	1/4	2,329.95	1/4	1,972.08		
1/2	1/2	1/2	1/2	1/2	3,927.71	1/2	3,791.49	1/2	3,655.08	1/2	3,394.83	1/2	3,037.79	1/2	2,680.30	1/2	2,322.49	1/2	1,964.63		
3/4	3/4	3/4	3/4	3/4	4,060.16	3/4	3,924.89	3/4	3,788.65	3/4	3,652.24	3/4	3,387.40	3/4	3,030.34	3/4	2,672.85	3/4	2,315.04	3/4	1,957.17
10		10		10	3,922.06	10	3,785.81	10	3,649.39	10	3,379.98	10	3,022.90	10	2,665.40	10	2,307.58	10	1,949.72		
1/4	1/4	1/4	1/4	1/4	3,919.23	1/4	3,782.96	1/4	3,646.55	1/4	3,372.55	1/4	3,015.45	1/4	2,657.95	1/4	2,300.13	1/4	1,942.26		
1/2	1/2	1/2	1/2	1/2	3,916.40	1/2	3,780.12	1/2	3,643.71	1/2	3,365.13	1/2	3,008.01	1/2	2,650.50	1/2	2,292.67	1/2	1,934.81		
3/4	3/4	3/4	3/4	3/4	4,048.96	3/4	3,913.58	3/4	3,777.28	3/4	3,640.87	3/4	3,357.70	3/4	3,000.56	3/4	2,643.06	3/4	2,285.22	3/4	1,927.35
11		11		11	3,910.75	11	3,774.44	11	3,638.03	11	3,350.28	11	2,993.12	11	2,635.61	11	2,277.76	11	1,919.90		
1/4	1/4	1/4	1/4	1/4	3,907.92	1/4	3,771.60	1/4	3,635.18	1/4	3,342.85	1/4	2,985.67	1/4	2,628.16	1/4	2,270.30	1/4	1,912.44		
1/2	1/2	1/2	1/2	1/2	3,905.09	1/2	3,768.75	1/2	3,632.34	1/2	3,335.43	1/2	2,978.22	1/2	2,620.71	1/2	2,262.85	1/2	1,904.98		
3/4	3/4	3/4	3/4	3/4	4,037.76	3/4	3,902.27	3/4	3,765.91	3/4	3,629.50	3/4	3,328.00	3/4	2,970.78	3/4	2,613.26	3/4	2,255.39	3/4	1,897.53

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 TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 56'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28086"

3 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30041"

GAUGE HEIGHT 15'-03 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	1,890.07	0	1,532.21	0	1,174.35	0	817.03	0	464.82	0	111.60	0		0		0		0	
1/4	1,882.62	1/4	1,524.75	1/4	1,166.89	1/4	809.57	1/4	457.37	1/4	104.35	1/4		1/4		1/4		1/4	
1/2	1,875.16	1/2	1,517.30	1/2	1,159.43	1/2	802.12	1/2	449.91	1/2	97.10	1/2		1/2		1/2		1/2	
3/4	1,867.71	3/4	1,509.84	3/4	1,151.98	3/4	794.67	3/4	442.46	3/4	89.84	3/4		3/4		3/4		3/4	
1	1,860.25	1	1,502.39	1	1,144.52	1	787.21	1	435.00	1	82.59	1		1		1		1	
1/4	1,852.80	1/4	1,494.93	1/4	1,137.07	1/4	779.76	1/4	427.55	1/4	75.33	1/4		1/4		1/4		1/4	
1/2	1,845.34	1/2	1,487.48	1/2	1,129.61	1/2	772.30	1/2	420.09	1/2	67.88	1/2		1/2		1/2		1/2	
3/4	1,837.89	3/4	1,480.02	3/4	1,122.16	3/4	764.85	3/4	412.64	3/4	61.12	3/4		3/4		3/4		3/4	
2	1,830.43	2	1,472.57	2	1,114.71	2	757.39	2	405.18	2	54.37	2		2		2		2	
1/4	1,822.97	1/4	1,465.11	1/4	1,107.26	1/4	749.93	1/4	397.73	1/4	47.61	1/4		1/4		1/4		1/4	
1/2	1,815.52	1/2	1,457.65	1/2	1,099.81	1/2	742.48	1/2	390.27	1/2	40.85	1/2		1/2		1/2		1/2	
3/4	1,808.06	3/4	1,450.20	3/4	1,092.37	3/4	735.02	3/4	382.81	3/4	35.73	3/4		3/4		3/4		3/4	
3	1,800.61	3	1,442.74	3	1,084.92	3	727.57	3	375.36	3	30.60	3		3		3		3	
1/4	1,793.15	1/4	1,435.29	1/4	1,077.47	1/4	720.11	1/4	367.90	1/4	25.47	1/4		1/4		1/4		1/4	
1/2	1,785.70	1/2	1,427.83	1/2	1,070.02	1/2	712.66	1/2	360.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,778.24	3/4	1,420.38	3/4	1,062.58	3/4	705.20	3/4	352.99	3/4		3/4		3/4		3/4		3/4	
4	1,770.79	4	1,412.92	4	1,055.14	4	697.95	4	345.54	4		4		4		4		4	
1/4	1,763.33	1/4	1,405.47	1/4	1,047.70	1/4	690.70	1/4	338.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,755.87	1/2	1,398.01	1/2	1,040.25	1/2	683.44	1/2	330.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,748.42	3/4	1,390.56	3/4	1,032.81	3/4	676.19	3/4	323.17	3/4		3/4		3/4		3/4		3/4	
5	1,740.96	5	1,383.10	5	1,025.37	5	668.93	5	315.72	5		5		5		5		5	
1/4	1,733.51	1/4	1,375.64	1/4	1,017.93	1/4	661.68	1/4	308.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,726.05	1/2	1,368.19	1/2	1,010.49	1/2	654.43	1/2	300.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,718.60	3/4	1,360.73	3/4	1,003.05	3/4	647.17	3/4	293.35	3/4		3/4		3/4		3/4		3/4	
6	1,711.14	6	1,353.28	6	995.61	6	639.92	6	285.90	6		6		6		6		6	
1/4	1,703.69	1/4	1,345.82	1/4	988.17	1/4	632.67	1/4	278.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,696.23	1/2	1,338.37	1/2	980.73	1/2	625.41	1/2	271.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,688.78	3/4	1,330.91	3/4	973.29	3/4	618.16	3/4	263.93	3/4		3/4		3/4		3/4		3/4	
7	1,681.32	7	1,323.46	7	965.85	7	610.91	7	256.68	7		7		7		7		7	
1/4	1,673.86	1/4	1,316.00	1/4	958.41	1/4	603.65	1/4	249.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,666.41	1/2	1,308.54	1/2	950.97	1/2	596.40	1/2	242.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,658.95	3/4	1,301.09	3/4	943.53	3/4	589.14	3/4	234.92	3/4		3/4		3/4		3/4		3/4	
8	1,651.50	8	1,293.63	8	936.09	8	581.89	8	227.66	8		8		8		8		8	
1/4	1,644.04	1/4	1,286.18	1/4	928.65	1/4	574.64	1/4	220.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,636.59	1/2	1,278.72	1/2	921.21	1/2	567.38	1/2	213.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,629.13	3/4	1,271.27	3/4	913.77	3/4	560.13	3/4	205.90	3/4		3/4		3/4		3/4		3/4	
9	1,621.68	9	1,263.81	9	906.33	9	552.88	9	198.65	9		9		9		9		9	
1/4	1,614.22	1/4	1,256.36	1/4	898.89	1/4	545.62	1/4	191.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,606.76	1/2	1,248.90	1/2	891.45	1/2	538.37	1/2	184.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,599.31	3/4	1,241.45	3/4	884.01	3/4	531.11	3/4	176.89	3/4		3/4		3/4		3/4		3/4	
10	1,591.85	10	1,233.99	10	876.57	10	523.86	10	169.63	10		10		10		10		10	
1/4	1,584.40	1/4	1,226.53	1/4	869.13	1/4	516.61	1/4	162.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,576.94	1/2	1,219.08	1/2	861.69	1/2	509.35	1/2	155.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,569.49	3/4	1,211.62	3/4	854.25	3/4	502.10	3/4	147.87	3/4		3/4		3/4		3/4		3/4	
11	1,562.03	11	1,204.17	11	846.81	11	494.64	11	140.62	11		11		11		11		11	
1/4	1,554.58	1/4	1,196.71	1/4	839.37	1/4	487.19	1/4	133.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,547.12	1/2	1,189.26	1/2	831.93	1/2	479.73	1/2	126.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,539.67	3/4	1,181.80	3/4	824.48	3/4	472.28	3/4	118.86	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/2012 CL - SW
CALCULATED: 10/12/2012 CL
NAME CHANGE: 05/13/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2022

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



BARGE "KIRBY 28086"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	101	0	259	0	416	0	517	0		0		0		0		0	
1/4	1	1/4	104	1/4	262	1/4	419	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	107	1/2	265	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	110	3/4	269	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	113	1	272	1	428	1	1	1	1	1	1	1	1	1	1	1	1
1/4	4	1/4	116	1/4	276	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	119	1/2	279	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	122	3/4	282	3/4	436	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	125	2	286	2	439	2	2	2	2	2	2	2	2	2	2	2	2
1/4	9	1/4	129	1/4	289	1/4	442	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	132	1/2	293	1/2	444	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	135	3/4	296	3/4	447	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	138	3	300	3	450	3	3	3	3	3	3	3	3	3	3	3	3
1/4	15	1/4	141	1/4	303	1/4	453	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	144	1/2	306	1/2	455	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	148	3/4	310	3/4	458	3/4		3/4		3/4		3/4		3/4		3/4	
4	21	4	151	4	313	4	460	4	4	4	4	4	4	4	4	4	4	4	4
1/4	23	1/4	154	1/4	316	1/4	463	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	25	1/2	157	1/2	320	1/2	465	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	161	3/4	323	3/4	468	3/4		3/4		3/4		3/4		3/4		3/4	
5	29	5	164	5	327	5	470	5	5	5	5	5	5	5	5	5	5	5	5
1/4	31	1/4	167	1/4	330	1/4	473	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	170	1/2	333	1/2	475	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	174	3/4	337	3/4	477	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	177	6	340	6	480	6	6	6	6	6	6	6	6	6	6	6	6
1/4	40	1/4	180	1/4	343	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	184	1/2	347	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	187	3/4	350	3/4	486	3/4		3/4		3/4		3/4		3/4		3/4	
7	47	7	190	7	353	7	488	7	7	7	7	7	7	7	7	7	7	7	7
1/4	49	1/4	194	1/4	356	1/4	490	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	52	1/2	197	1/2	360	1/2	492	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	201	3/4	363	3/4	494	3/4		3/4		3/4		3/4		3/4		3/4	
8	57	8	204	8	366	8	496	8	8	8	8	8	8	8	8	8	8	8	8
1/4	59	1/4	207	1/4	369	1/4	498	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	211	1/2	373	1/2	500	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	214	3/4	376	3/4	502	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	217	9	379	9	504	9	9	9	9	9	9	9	9	9	9	9	9
1/4	70	1/4	221	1/4	382	1/4	505	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	73	1/2	224	1/2	385	1/2	507	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	228	3/4	388	3/4	508	3/4		3/4		3/4		3/4		3/4		3/4	
10	78	10	231	10	392	10	510	10	10	10	10	10	10	10	10	10	10	10	10
1/4	81	1/4	235	1/4	395	1/4	511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	84	1/2	238	1/2	398	1/2	512	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	87	3/4	241	3/4	401	3/4	513	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	245	11	404	11	514	11	11	11	11	11	11	11	11	11	11	11	11
1/4	92	1/4	248	1/4	407	1/4	515	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	252	1/2	410	1/2	516	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	255	3/4	413	3/4	516	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.

STRAPPED: 05/12/2022 JS
CALCULATED: 05/13/2022 CL
PRINTED: 05/13/2022 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 28086"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMS 30041"

GAUGE HEIGHT 6'-09 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	25	1/4	1,249	1/4	2,472	1/4	3,695	1/4	4,918	1/4	6,142	1/4	7,365	1/4		1/4		1/4	
1/2	51	1/2	1,274	1/2	2,497	1/2	3,721	1/2	4,944	1/2	6,167	1/2	7,390	1/2		1/2		1/2	
3/4	76	3/4	1,300	3/4	2,523	3/4	3,746	3/4	4,969	3/4	6,193	3/4	7,416	3/4		3/4		3/4	
1	102	1	1,325	1	2,548	1	3,772	1	4,995	1	6,218	1	7,441	1		1		1	
1/4	127	1/4	1,351	1/4	2,574	1/4	3,797	1/4	5,020	1/4	6,244	1/4	7,467	1/4		1/4		1/4	
1/2	153	1/2	1,376	1/2	2,599	1/2	3,823	1/2	5,046	1/2	6,269	1/2	7,492	1/2		1/2		1/2	
3/4	178	3/4	1,402	3/4	2,625	3/4	3,848	3/4	5,071	3/4	6,294	3/4	7,518	3/4		3/4		3/4	
2	204	2	1,427	2	2,650	2	3,874	2	5,097	2	6,320	2	7,543	2		2		2	
1/4	229	1/4	1,453	1/4	2,676	1/4	3,899	1/4	5,122	1/4	6,345	1/4		1/4		1/4		1/4	
1/2	255	1/2	1,478	1/2	2,701	1/2	3,925	1/2	5,148	1/2	6,371	1/2		1/2		1/2		1/2	
3/4	280	3/4	1,504	3/4	2,727	3/4	3,950	3/4	5,173	3/4	6,396	3/4		3/4		3/4		3/4	
3	306	3	1,529	3	2,752	3	3,975	3	5,199	3	6,422	3		3		3		3	
1/4	331	1/4	1,555	1/4	2,778	1/4	4,001	1/4	5,224	1/4	6,447	1/4		1/4		1/4		1/4	
1/2	357	1/2	1,580	1/2	2,803	1/2	4,026	1/2	5,250	1/2	6,473	1/2		1/2		1/2		1/2	
3/4	382	3/4	1,605	3/4	2,829	3/4	4,052	3/4	5,275	3/4	6,498	3/4		3/4		3/4		3/4	
4	408	4	1,631	4	2,854	4	4,077	4	5,301	4	6,524	4		4		4		4	
1/4	433	1/4	1,656	1/4	2,880	1/4	4,103	1/4	5,326	1/4	6,549	1/4		1/4		1/4		1/4	
1/2	459	1/2	1,682	1/2	2,905	1/2	4,128	1/2	5,352	1/2	6,575	1/2		1/2		1/2		1/2	
3/4	484	3/4	1,707	3/4	2,931	3/4	4,154	3/4	5,377	3/4	6,600	3/4		3/4		3/4		3/4	
5	510	5	1,733	5	2,956	5	4,179	5	5,403	5	6,626	5		5		5		5	
1/4	535	1/4	1,758	1/4	2,982	1/4	4,205	1/4	5,428	1/4	6,651	1/4		1/4		1/4		1/4	
1/2	561	1/2	1,784	1/2	3,007	1/2	4,230	1/2	5,454	1/2	6,677	1/2		1/2		1/2		1/2	
3/4	586	3/4	1,809	3/4	3,033	3/4	4,256	3/4	5,479	3/4	6,702	3/4		3/4		3/4		3/4	
6	612	6	1,835	6	3,058	6	4,281	6	5,505	6	6,728	6		6		6		6	
1/4	637	1/4	1,860	1/4	3,084	1/4	4,307	1/4	5,530	1/4	6,753	1/4		1/4		1/4		1/4	
1/2	663	1/2	1,886	1/2	3,109	1/2	4,332	1/2	5,555	1/2	6,779	1/2		1/2		1/2		1/2	
3/4	688	3/4	1,911	3/4	3,135	3/4	4,358	3/4	5,581	3/4	6,804	3/4		3/4		3/4		3/4	
7	714	7	1,937	7	3,160	7	4,383	7	5,606	7	6,830	7		7		7		7	
1/4	739	1/4	1,962	1/4	3,185	1/4	4,409	1/4	5,632	1/4	6,855	1/4		1/4		1/4		1/4	
1/2	765	1/2	1,988	1/2	3,211	1/2	4,434	1/2	5,657	1/2	6,881	1/2		1/2		1/2		1/2	
3/4	790	3/4	2,013	3/4	3,236	3/4	4,460	3/4	5,683	3/4	6,906	3/4		3/4		3/4		3/4	
8	815	8	2,039	8	3,262	8	4,485	8	5,708	8	6,932	8		8		8		8	
1/4	841	1/4	2,064	1/4	3,287	1/4	4,511	1/4	5,734	1/4	6,957	1/4		1/4		1/4		1/4	
1/2	866	1/2	2,090	1/2	3,313	1/2	4,536	1/2	5,759	1/2	6,983	1/2		1/2		1/2		1/2	
3/4	892	3/4	2,115	3/4	3,338	3/4	4,562	3/4	5,785	3/4	7,008	3/4		3/4		3/4		3/4	
9	917	9	2,141	9	3,364	9	4,587	9	5,810	9	7,034	9		9		9		9	
1/4	943	1/4	2,166	1/4	3,389	1/4	4,613	1/4	5,836	1/4	7,059	1/4		1/4		1/4		1/4	
1/2	968	1/2	2,192	1/2	3,415	1/2	4,638	1/2	5,861	1/2	7,084	1/2		1/2		1/2		1/2	
3/4	994	3/4	2,217	3/4	3,440	3/4	4,664	3/4	5,887	3/4	7,110	3/4		3/4		3/4		3/4	
10	1,019	10	2,243	10	3,466	10	4,689	10	5,912	10	7,135	10		10		10		10	
1/4	1,045	1/4	2,268	1/4	3,491	1/4	4,715	1/4	5,938	1/4	7,161	1/4		1/4		1/4		1/4	
1/2	1,070	1/2	2,294	1/2	3,517	1/2	4,740	1/2	5,963	1/2	7,186	1/2		1/2		1/2		1/2	
3/4	1,096	3/4	2,319	3/4	3,542	3/4	4,765	3/4	5,989	3/4	7,212	3/4		3/4		3/4		3/4	
11	1,121	11	2,345	11	3,568	11	4,791	11	6,014	11	7,237	11		11		11		11	
1/4	1,147	1/4	2,370	1/4	3,593	1/4	4,816	1/4	6,040	1/4	7,263	1/4		1/4		1/4		1/4	
1/2	1,172	1/2	2,395	1/2	3,619	1/2	4,842	1/2	6,065	1/2	7,288	1/2		1/2		1/2		1/2	
3/4	1,198	3/4	2,421	3/4	3,644	3/4	4,867	3/4	6,091	3/4	7,314	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 AT 2" DIAMETER STANDPIPE.

STRAPPED: 10/11/2012 CL - SW
CALCULATED: 10/12/2012 CL
NAME CHANGE: 05/13/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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