



BARGE "KIRBY 29161"

ULLAGE TRIM TABLE
FORMERLY "SMI 30025"

	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 = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-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"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

April 12, 2022

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

<http://www.pmacorp.net>



BARGE "KIRBY 29161"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30025"

GAUGE HEIGHT 17'-04 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	5,092.25	0	4,764.50	0	4,405.46	0	4,046.42	0	3,687.38	0	3,328.34	0	2,969.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,089.13	1/4	4,757.02	1/4	4,397.98	1/4	4,038.94	1/4	3,679.90	1/4	3,320.86	1/4	2,961.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,086.02	1/2	4,749.54	1/2	4,390.50	1/2	4,031.46	1/2	3,672.42	1/2	3,313.38	1/2	2,954.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,081.67	3/4	4,742.06	3/4	4,383.02	3/4	4,023.98	3/4	3,664.94	3/4	3,305.90	3/4	2,946.86		
1		1		1		1	5,077.31	1	4,734.58	1	4,375.54	1	4,016.50	1	3,657.46	1	3,298.42	1	2,939.38		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,072.96	1/4	4,727.10	1/4	4,368.06	1/4	4,009.02	1/4	3,649.98	1/4	3,290.94	1/4	2,931.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,068.60	1/2	4,719.62	1/2	4,360.58	1/2	4,001.54	1/2	3,642.50	1/2	3,283.46	1/2	2,924.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,063.00	3/4	4,712.14	3/4	4,353.10	3/4	3,994.06	3/4	3,635.02	3/4	3,275.98	3/4	2,916.94		
2		2		2		2	5,057.40	2	4,704.66	2	4,345.62	2	3,986.58	2	3,627.54	2	3,268.50	2	2,909.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,051.80	1/4	4,697.18	1/4	4,338.14	1/4	3,979.10	1/4	3,620.06	1/4	3,261.02	1/4	2,901.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,046.20	1/2	4,689.70	1/2	4,330.66	1/2	3,971.62	1/2	3,612.58	1/2	3,253.54	1/2	2,894.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,039.36	3/4	4,682.22	3/4	4,323.18	3/4	3,964.14	3/4	3,605.10	3/4	3,246.06	3/4	2,887.02		
3		3		3		3	5,032.51	3	4,674.74	3	4,315.70	3	3,956.66	3	3,597.62	3	3,238.58	3	2,879.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,025.67	1/4	4,667.26	1/4	4,308.22	1/4	3,949.18	1/4	3,590.14	1/4	3,231.10	1/4	2,872.06		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,018.82	1/2	4,659.78	1/2	4,300.74	1/2	3,941.70	1/2	3,582.66	1/2	3,223.62	1/2	2,864.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,011.34	3/4	4,652.30	3/4	4,293.26	3/4	3,934.22	3/4	3,575.18	3/4	3,216.14	3/4	2,857.10		
4		4		4		4	5,003.86	4	4,644.82	4	4,285.78	4	3,926.74	4	3,567.70	4	3,208.66	4	2,849.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,996.38	1/4	4,637.34	1/4	4,278.30	1/4	3,919.26	1/4	3,560.22	1/4	3,201.18	1/4	2,842.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,988.90	1/2	4,629.86	1/2	4,270.82	1/2	3,911.78	1/2	3,552.74	1/2	3,193.70	1/2	2,834.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,981.42	3/4	4,622.38	3/4	4,263.34	3/4	3,904.30	3/4	3,545.26	3/4	3,186.22	3/4	2,827.18		
5		5		5		5	4,973.94	5	4,614.90	5	4,255.86	5	3,896.82	5	3,537.78	5	3,178.74	5	2,819.70		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,966.46	1/4	4,607.42	1/4	4,248.38	1/4	3,889.34	1/4	3,530.30	1/4	3,171.26	1/4	2,812.22		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,958.98	1/2	4,599.94	1/2	4,240.90	1/2	3,881.86	1/2	3,522.82	1/2	3,163.78	1/2	2,804.74		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,951.50	3/4	4,592.46	3/4	4,233.42	3/4	3,874.38	3/4	3,515.34	3/4	3,156.30	3/4	2,797.26		
6		6		6		6	4,944.02	6	4,584.98	6	4,225.94	6	3,866.90	6	3,507.86	6	3,148.82	6	2,789.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,936.54	1/4	4,577.50	1/4	4,218.46	1/4	3,859.42	1/4	3,500.38	1/4	3,141.34	1/4	2,782.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,929.06	1/2	4,570.02	1/2	4,210.98	1/2	3,851.94	1/2	3,492.90	1/2	3,133.86	1/2	2,774.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,921.58	3/4	4,562.54	3/4	4,203.50	3/4	3,844.46	3/4	3,485.42	3/4	3,126.38	3/4	2,767.34		
7		7		7		7	4,914.10	7	4,555.06	7	4,196.02	7	3,836.98	7	3,477.94	7	3,118.90	7	2,759.86		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,906.62	1/4	4,547.58	1/4	4,188.54	1/4	3,829.50	1/4	3,470.46	1/4	3,111.42	1/4	2,752.38		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,899.14	1/2	4,540.10	1/2	4,181.06	1/2	3,822.02	1/2	3,462.98	1/2	3,103.94	1/2	2,744.90		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,891.66	3/4	4,532.62	3/4	4,173.58	3/4	3,814.54	3/4	3,455.50	3/4	3,096.46	3/4	2,737.42		
8		8		8		8	4,884.18	8	4,525.14	8	4,166.10	8	3,807.06	8	3,448.02	8	3,088.98	8	2,729.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,876.70	1/4	4,517.66	1/4	4,158.62	1/4	3,799.58	1/4	3,440.54	1/4	3,081.50	1/4	2,722.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,869.22	1/2	4,510.18	1/2	4,151.14	1/2	3,792.10	1/2	3,433.06	1/2	3,074.02	1/2	2,714.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,861.74	3/4	4,502.70	3/4	4,143.66	3/4	3,784.62	3/4	3,425.58	3/4	3,066.54	3/4	2,707.50		
9		9		9		9	4,854.26	9	4,495.22	9	4,136.18	9	3,777.14	9	3,418.10	9	3,059.06	9	2,700.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,846.78	1/4	4,487.74	1/4	4,128.70	1/4	3,769.66	1/4	3,410.62	1/4	3,051.58	1/4	2,692.54		
1/2	1/2	1/2	5,108.42	1/2	4,839.30	1/2	4,480.26	1/2	4,121.22	1/2	3,762.18	1/2	3,403.14	1/2	3,044.10	1/2	3,044.10	1/2	2,685.06		
3/4	3/4	3/4	5,107.80	3/4	4,831.82	3/4	4,472.78	3/4	4,113.74	3/4	3,754.70	3/4	3,395.66	3/4	3,036.62	3/4	3,036.62	3/4	2,677.58		
10		10		10		10	5,107.18	10	4,824.34	10	4,465.30	10	4,106.26	10	3,747.22	10	3,388.18	10	3,029.14	10	2,670.10
1/4	1/4	1/4	5,106.56	1/4	4,816.86	1/4	4,457.82	1/4	4,098.78	1/4	3,739.74	1/4	3,380.70	1/4	3,021.66	1/4	3,021.66	1/4	2,662.62		
1/2	1/2	1/2	5,105.94	1/2	4,809.38	1/2	4,450.34	1/2	4,091.30	1/2	3,732.26	1/2	3,373.22	1/2	3,014.18	1/2	3,014.18	1/2	2,655.14		
3/4	3/4	3/4	5,104.07	3/4	4,801.90	3/4	4,442.86	3/4	4,083.82	3/4	3,724.78	3/4	3,365.74	3/4	3,006.70	3/4	3,006.70	3/4	2,647.66		
11		11		11		11	5,102.21	11	4,794.42	11	4,435.38	11	4,076.34	11	3,717.30	11	3,358.26	11	2,999.22	11	2,640.18
1/4	1/4	1/4	5,100.34	1/4	4,786.94	1/4	4,427.90	1/4	4,068.86	1/4	3,709.82	1/4	3,350.78	1/4	2,991.74	1/4	2,991.74	1/4	2,632.70		
1/2	1/2	1/2	5,098.47	1/2	4,779.46	1/2	4,420.42	1/2	4,061.38	1/2	3,702.34	1/2	3,343.30	1/2	2,984.26	1/2	2,984.26	1/2	2,625.22		
3/4	3/4	3/4	5,095.36	3/4	4,771.98	3/4	4,412.94	3/4	4,053.90	3/4	3,694.86	3/4	3,335.82	3/4	2,976.78	3/4	2,976.78	3/4	2,617.74		

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

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 29161"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30025"

GAUGE HEIGHT 17'-04 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,610.26	0	2,251.22	0	1,892.18	0	1,533.14	0	1,174.10	0	815.06	0	456.48	0	120.49	0		0	
1/4	2,602.78	1/4	2,243.74	1/4	1,884.70	1/4	1,525.66	1/4	1,166.62	1/4	807.58	1/4	449.08	1/4	113.83	1/4		1/4	
1/2	2,595.30	1/2	2,236.26	1/2	1,877.22	1/2	1,518.18	1/2	1,159.14	1/2	800.10	1/2	441.67	1/2	107.17	1/2		1/2	
3/4	2,587.82	3/4	2,228.78	3/4	1,869.74	3/4	1,510.70	3/4	1,151.66	3/4	792.62	3/4	434.39	3/4	100.64	3/4		3/4	
1	2,580.34	1	2,221.30	1	1,862.26	1	1,503.22	1	1,144.18	1	785.14	1	427.11	1	94.11	1		1	
1/4	2,572.86	1/4	2,213.82	1/4	1,854.78	1/4	1,495.74	1/4	1,136.70	1/4	777.66	1/4	419.83	1/4	87.57	1/4		1/4	
1/2	2,565.38	1/2	2,206.34	1/2	1,847.30	1/2	1,488.26	1/2	1,129.22	1/2	770.18	1/2	412.55	1/2	81.04	1/2		1/2	
3/4	2,557.90	3/4	2,198.86	3/4	1,839.82	3/4	1,480.78	3/4	1,121.74	3/4	762.70	3/4	405.27	3/4	74.51	3/4		3/4	
2	2,550.42	2	2,191.38	2	1,832.34	2	1,473.30	2	1,114.26	2	755.22	2	397.99	2	67.97	2		2	
1/4	2,542.94	1/4	2,183.90	1/4	1,824.86	1/4	1,465.82	1/4	1,106.78	1/4	747.74	1/4	390.71	1/4	61.44	1/4		1/4	
1/2	2,535.46	1/2	2,176.42	1/2	1,817.38	1/2	1,458.34	1/2	1,099.30	1/2	740.26	1/2	383.43	1/2	54.90	1/2		1/2	
3/4	2,527.98	3/4	2,168.94	3/4	1,809.90	3/4	1,450.86	3/4	1,091.82	3/4	732.78	3/4	376.28	3/4	49.23	3/4		3/4	
3	2,520.50	3	2,161.46	3	1,802.42	3	1,443.38	3	1,084.34	3	725.30	3	369.12	3	43.55	3		3	
1/4	2,513.02	1/4	2,153.98	1/4	1,794.94	1/4	1,435.90	1/4	1,076.86	1/4	717.82	1/4	361.97	1/4	37.88	1/4		1/4	
1/2	2,505.54	1/2	2,146.50	1/2	1,787.46	1/2	1,428.42	1/2	1,069.38	1/2	710.34	1/2	354.81	1/2	32.20	1/2		1/2	
3/4	2,498.06	3/4	2,139.02	3/4	1,779.98	3/4	1,420.94	3/4	1,061.90	3/4	702.86	3/4	347.66	3/4	27.99	3/4		3/4	
4	2,490.58	4	2,131.54	4	1,772.50	4	1,413.46	4	1,054.42	4	695.38	4	340.50	4	23.78	4		4	
1/4	2,483.10	1/4	2,124.06	1/4	1,765.02	1/4	1,405.98	1/4	1,046.94	1/4	687.90	1/4	333.35	1/4	19.57	1/4		1/4	
1/2	2,475.62	1/2	2,116.58	1/2	1,757.54	1/2	1,398.50	1/2	1,039.46	1/2	680.42	1/2	326.19	1/2	15.36	1/2		1/2	
3/4	2,468.14	3/4	2,109.10	3/4	1,750.06	3/4	1,391.02	3/4	1,031.98	3/4	672.94	3/4	319.16	3/4		3/4		3/4	
5	2,460.66	5	2,101.62	5	1,742.58	5	1,383.54	5	1,024.50	5	665.46	5	312.13	5		5		5	
1/4	2,453.18	1/4	2,094.14	1/4	1,735.10	1/4	1,376.06	1/4	1,017.02	1/4	657.98	1/4	305.10	1/4		1/4		1/4	
1/2	2,445.70	1/2	2,086.66	1/2	1,727.62	1/2	1,368.58	1/2	1,009.54	1/2	650.50	1/2	298.07	1/2		1/2		1/2	
3/4	2,438.22	3/4	2,079.18	3/4	1,720.14	3/4	1,361.10	3/4	1,002.06	3/4	643.02	3/4	291.04	3/4		3/4		3/4	
6	2,430.74	6	2,071.70	6	1,712.66	6	1,353.62	6	994.58	6	635.54	6	284.01	6		6		6	
1/4	2,423.26	1/4	2,064.22	1/4	1,705.18	1/4	1,346.14	1/4	987.10	1/4	628.06	1/4	276.97	1/4		1/4		1/4	
1/2	2,415.78	1/2	2,056.74	1/2	1,697.70	1/2	1,338.66	1/2	979.62	1/2	620.58	1/2	269.94	1/2		1/2		1/2	
3/4	2,408.30	3/4	2,049.26	3/4	1,690.22	3/4	1,331.18	3/4	972.14	3/4	613.10	3/4	263.04	3/4		3/4		3/4	
7	2,400.82	7	2,041.78	7	1,682.74	7	1,323.70	7	964.66	7	605.62	7	256.13	7		7		7	
1/4	2,393.34	1/4	2,034.30	1/4	1,675.26	1/4	1,316.22	1/4	957.18	1/4	598.14	1/4	249.23	1/4		1/4		1/4	
1/2	2,385.86	1/2	2,026.82	1/2	1,667.78	1/2	1,308.74	1/2	949.70	1/2	590.66	1/2	242.32	1/2		1/2		1/2	
3/4	2,378.38	3/4	2,019.34	3/4	1,660.30	3/4	1,301.26	3/4	942.22	3/4	583.18	3/4	235.41	3/4		3/4		3/4	
8	2,370.90	8	2,011.86	8	1,652.82	8	1,293.78	8	934.74	8	575.70	8	228.51	8		8		8	
1/4	2,363.42	1/4	2,004.38	1/4	1,645.34	1/4	1,286.30	1/4	927.26	1/4	568.22	1/4	221.60	1/4		1/4		1/4	
1/2	2,355.94	1/2	1,996.90	1/2	1,637.86	1/2	1,278.82	1/2	919.78	1/2	560.74	1/2	214.69	1/2		1/2		1/2	
3/4	2,348.46	3/4	1,989.42	3/4	1,630.38	3/4	1,271.34	3/4	912.30	3/4	553.26	3/4	207.91	3/4		3/4		3/4	
9	2,340.98	9	1,981.94	9	1,622.90	9	1,263.86	9	904.82	9	545.78	9	201.13	9		9		9	
1/4	2,333.50	1/4	1,974.46	1/4	1,615.42	1/4	1,256.38	1/4	897.34	1/4	538.30	1/4	194.34	1/4		1/4		1/4	
1/2	2,326.02	1/2	1,966.98	1/2	1,607.94	1/2	1,248.90	1/2	889.86	1/2	530.82	1/2	187.56	1/2		1/2		1/2	
3/4	2,318.54	3/4	1,959.50	3/4	1,600.46	3/4	1,241.42	3/4	882.38	3/4	523.34	3/4	180.78	3/4		3/4		3/4	
10	2,311.06	10	1,952.02	10	1,592.98	10	1,233.94	10	874.90	10	515.86	10	174.00	10		10		10	
1/4	2,303.58	1/4	1,944.54	1/4	1,585.50	1/4	1,226.46	1/4	867.42	1/4	508.38	1/4	167.21	1/4		1/4		1/4	
1/2	2,296.10	1/2	1,937.06	1/2	1,578.02	1/2	1,218.98	1/2	859.94	1/2	500.90	1/2	160.43	1/2		1/2		1/2	
3/4	2,288.62	3/4	1,929.58	3/4	1,570.54	3/4	1,211.50	3/4	852.46	3/4	493.50	3/4	153.77	3/4		3/4		3/4	
11	2,281.14	11	1,922.10	11	1,563.06	11	1,204.02	11	844.98	11	486.10	11	147.12	11		11		11	
1/4	2,273.66	1/4	1,914.62	1/4	1,555.58	1/4	1,196.54	1/4	837.50	1/4	478.69	1/4	140.46	1/4		1/4		1/4	
1/2	2,266.18	1/2	1,907.14	1/2	1,548.10	1/2	1,189.06	1/2	830.02	1/2	471.29	1/2	133.80	1/2		1/2		1/2	
3/4	2,258.70	3/4	1,899.66	3/4	1,540.62	3/4	1,181.58	3/4	822.54	3/4	463.89	3/4	127.14	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/15/2011 INSP
RECALCULATED: 04/12/2022 PMA
NAME CHANGE: 04/13/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2022

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



BARGE "KIRBY 29161"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30025"

GAUGE HEIGHT 17'-03 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,081.67	0	4,742.06	0	4,383.02	0	4,023.98	0	3,664.94	0	3,305.90	0	2,946.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,077.31	1/4	4,734.58	1/4	4,375.54	1/4	4,016.50	1/4	3,657.46	1/4	3,298.42	1/4	2,939.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,072.96	1/2	4,727.10	1/2	4,368.06	1/2	4,009.02	1/2	3,649.98	1/2	3,290.94	1/2	2,931.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,068.60	3/4	4,719.62	3/4	4,360.58	3/4	4,001.54	3/4	3,642.50	3/4	3,283.46	3/4	2,924.42
1		1		1		1	5,063.00	1	4,712.14	1	4,353.10	1	3,994.06	1	3,635.02	1	3,275.98	1	2,916.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,057.40	1/4	4,704.66	1/4	4,345.62	1/4	3,986.58	1/4	3,627.54	1/4	3,268.50	1/4	2,909.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,051.80	1/2	4,697.18	1/2	4,338.14	1/2	3,979.10	1/2	3,620.06	1/2	3,261.02	1/2	2,901.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,046.20	3/4	4,689.70	3/4	4,330.66	3/4	3,971.62	3/4	3,612.58	3/4	3,253.54	3/4	2,894.50
2		2		2		2	5,039.36	2	4,682.22	2	4,323.18	2	3,964.14	2	3,605.10	2	3,246.06	2	2,887.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,032.51	1/4	4,674.74	1/4	4,315.70	1/4	3,956.66	1/4	3,597.62	1/4	3,238.58	1/4	2,879.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,025.67	1/2	4,667.26	1/2	4,308.22	1/2	3,949.18	1/2	3,590.14	1/2	3,231.10	1/2	2,872.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,018.82	3/4	4,659.78	3/4	4,300.74	3/4	3,941.70	3/4	3,582.66	3/4	3,223.62	3/4	2,864.58
3		3		3		3	5,011.34	3	4,652.30	3	4,293.26	3	3,934.22	3	3,575.18	3	3,216.14	3	2,857.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,003.86	1/4	4,644.82	1/4	4,285.78	1/4	3,926.74	1/4	3,567.70	1/4	3,208.66	1/4	2,849.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,996.38	1/2	4,637.34	1/2	4,278.30	1/2	3,919.26	1/2	3,560.22	1/2	3,201.18	1/2	2,842.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,988.90	3/4	4,629.86	3/4	4,270.82	3/4	3,911.78	3/4	3,552.74	3/4	3,193.70	3/4	2,834.66
4		4		4		4	4,981.42	4	4,622.38	4	4,263.34	4	3,904.30	4	3,545.26	4	3,186.22	4	2,827.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,973.94	1/4	4,614.90	1/4	4,255.86	1/4	3,896.82	1/4	3,537.78	1/4	3,178.74	1/4	2,819.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,966.46	1/2	4,607.42	1/2	4,248.38	1/2	3,889.34	1/2	3,530.30	1/2	3,171.26	1/2	2,812.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,958.98	3/4	4,599.94	3/4	4,240.90	3/4	3,881.86	3/4	3,522.82	3/4	3,163.78	3/4	2,804.74
5		5		5		5	4,951.50	5	4,592.46	5	4,233.42	5	3,874.38	5	3,515.34	5	3,156.30	5	2,797.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,944.02	1/4	4,584.98	1/4	4,225.94	1/4	3,866.90	1/4	3,507.86	1/4	3,148.82	1/4	2,789.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,936.54	1/2	4,577.50	1/2	4,218.46	1/2	3,859.42	1/2	3,500.38	1/2	3,141.34	1/2	2,782.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,929.06	3/4	4,570.02	3/4	4,210.98	3/4	3,851.94	3/4	3,492.90	3/4	3,133.86	3/4	2,774.82
6		6		6		6	4,921.58	6	4,562.54	6	4,203.50	6	3,844.46	6	3,485.42	6	3,126.38	6	2,767.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,914.10	1/4	4,555.06	1/4	4,196.02	1/4	3,836.98	1/4	3,477.94	1/4	3,118.90	1/4	2,759.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,906.62	1/2	4,547.58	1/2	4,188.54	1/2	3,829.50	1/2	3,470.46	1/2	3,111.42	1/2	2,752.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,899.14	3/4	4,540.10	3/4	4,181.06	3/4	3,822.02	3/4	3,462.98	3/4	3,103.94	3/4	2,744.90
7		7		7		7	4,891.66	7	4,532.62	7	4,173.58	7	3,814.54	7	3,455.50	7	3,096.46	7	2,737.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,884.18	1/4	4,525.14	1/4	4,166.10	1/4	3,807.06	1/4	3,448.02	1/4	3,088.98	1/4	2,729.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,876.70	1/2	4,517.66	1/2	4,158.62	1/2	3,799.58	1/2	3,440.54	1/2	3,081.50	1/2	2,722.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,869.22	3/4	4,510.18	3/4	4,151.14	3/4	3,792.10	3/4	3,433.06	3/4	3,074.02	3/4	2,714.98
8		8		8		8	4,861.74	8	4,502.70	8	4,143.66	8	3,784.62	8	3,425.58	8	3,066.54	8	2,707.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,854.26	1/4	4,495.22	1/4	4,136.18	1/4	3,777.14	1/4	3,418.10	1/4	3,059.06	1/4	2,700.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,846.78	1/2	4,487.74	1/2	4,128.70	1/2	3,769.66	1/2	3,410.62	1/2	3,051.58	1/2	2,692.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,108.42	3/4	4,839.30	3/4	4,480.26	3/4	4,121.22	3/4	3,762.18	3/4	3,403.14	3/4	3,044.10
9		9		9		9	5,107.80	9	4,831.82	9	4,472.78	9	4,113.74	9	3,754.70	9	3,395.66	9	3,036.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,107.18	1/4	4,824.34	1/4	4,465.30	1/4	4,106.26	1/4	3,747.22	1/4	3,388.18	1/4	3,029.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,106.56	1/2	4,816.86	1/2	4,457.82	1/2	4,098.78	1/2	3,739.74	1/2	3,380.70	1/2	3,021.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,105.94	3/4	4,809.38	3/4	4,450.34	3/4	4,091.30	3/4	3,732.26	3/4	3,373.22	3/4	3,014.18
10		10		10		10	5,104.07	10	4,801.90	10	4,442.86	10	4,083.82	10	3,724.78	10	3,365.74	10	3,006.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,102.21	1/4	4,794.42	1/4	4,435.38	1/4	4,076.34	1/4	3,717.30	1/4	3,358.26	1/4	2,999.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,100.34	1/2	4,786.94	1/2	4,427.90	1/2	4,068.86	1/2	3,709.82	1/2	3,350.78	1/2	2,991.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,098.47	3/4	4,779.46	3/4	4,420.42	3/4	4,061.38	3/4	3,702.34	3/4	3,343.30	3/4	2,984.26
11		11		11		11	5,095.36	11	4,771.98	11	4,412.94	11	4,053.90	11	3,694.86	11	3,335.82	11	2,976.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,092.25	1/4	4,764.50	1/4	4,405.46	1/4	4,046.42	1/4	3,687.38	1/4	3,328.34	1/4	2,969.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,089.13	1/2	4,757.02	1/2	4,397.98	1/2	4,038.94	1/2	3,679.90	1/2	3,320.86	1/2	2,961.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,086.02	3/4	4,749.54	3/4	4,390.50	3/4	4,031.46	3/4	3,672.42	3/4	3,313.38	3/4	2,954.34

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 DEVICE".
 GAUGE POINT: (HERMETIC) 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 29161"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30025"

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,587.82	0	2,228.78	0	1,869.74	0	1,510.70	0	1,151.66	0	792.62	0	434.39	0	100.64	0		0	
1/4	2,580.34	1/4	2,221.30	1/4	1,862.26	1/4	1,503.22	1/4	1,144.18	1/4	785.14	1/4	427.11	1/4	94.11	1/4		1/4	
1/2	2,572.86	1/2	2,213.82	1/2	1,854.78	1/2	1,495.74	1/2	1,136.70	1/2	777.66	1/2	419.83	1/2	87.57	1/2		1/2	
3/4	2,565.38	3/4	2,206.34	3/4	1,847.30	3/4	1,488.26	3/4	1,129.22	3/4	770.18	3/4	412.55	3/4	81.04	3/4		3/4	
1	2,557.90	1	2,198.86	1	1,839.82	1	1,480.78	1	1,121.74	1	762.70	1	405.27	1	74.51	1		1	
1/4	2,550.42	1/4	2,191.38	1/4	1,832.34	1/4	1,473.30	1/4	1,114.26	1/4	755.22	1/4	397.99	1/4	67.97	1/4		1/4	
1/2	2,542.94	1/2	2,183.90	1/2	1,824.86	1/2	1,465.82	1/2	1,106.78	1/2	747.74	1/2	390.71	1/2	61.44	1/2		1/2	
3/4	2,535.46	3/4	2,176.42	3/4	1,817.38	3/4	1,458.34	3/4	1,099.30	3/4	740.26	3/4	383.43	3/4	54.90	3/4		3/4	
2	2,527.98	2	2,168.94	2	1,809.90	2	1,450.86	2	1,091.82	2	732.78	2	376.28	2	49.23	2		2	
1/4	2,520.50	1/4	2,161.46	1/4	1,802.42	1/4	1,443.38	1/4	1,084.34	1/4	725.30	1/4	369.12	1/4	43.55	1/4		1/4	
1/2	2,513.02	1/2	2,153.98	1/2	1,794.94	1/2	1,435.90	1/2	1,076.86	1/2	717.82	1/2	361.97	1/2	37.88	1/2		1/2	
3/4	2,505.54	3/4	2,146.50	3/4	1,787.46	3/4	1,428.42	3/4	1,069.38	3/4	710.34	3/4	354.81	3/4	32.20	3/4		3/4	
3	2,498.06	3	2,139.02	3	1,779.98	3	1,420.94	3	1,061.90	3	702.86	3	347.66	3	27.99	3		3	
1/4	2,490.58	1/4	2,131.54	1/4	1,772.50	1/4	1,413.46	1/4	1,054.42	1/4	695.38	1/4	340.50	1/4	23.78	1/4		1/4	
1/2	2,483.10	1/2	2,124.06	1/2	1,765.02	1/2	1,405.98	1/2	1,046.94	1/2	687.90	1/2	333.35	1/2	19.57	1/2		1/2	
3/4	2,475.62	3/4	2,116.58	3/4	1,757.54	3/4	1,398.50	3/4	1,039.46	3/4	680.42	3/4	326.19	3/4	15.36	3/4		3/4	
4	2,468.14	4	2,109.10	4	1,750.06	4	1,391.02	4	1,031.98	4	672.94	4	319.16	4		4		4	
1/4	2,460.66	1/4	2,101.62	1/4	1,742.58	1/4	1,383.54	1/4	1,024.50	1/4	665.46	1/4	312.13	1/4		1/4		1/4	
1/2	2,453.18	1/2	2,094.14	1/2	1,735.10	1/2	1,376.06	1/2	1,017.02	1/2	657.98	1/2	305.10	1/2		1/2		1/2	
3/4	2,445.70	3/4	2,086.66	3/4	1,727.62	3/4	1,368.58	3/4	1,009.54	3/4	650.50	3/4	298.07	3/4		3/4		3/4	
5	2,438.22	5	2,079.18	5	1,720.14	5	1,361.10	5	1,002.06	5	643.02	5	291.04	5		5		5	
1/4	2,430.74	1/4	2,071.70	1/4	1,712.66	1/4	1,353.62	1/4	994.58	1/4	635.54	1/4	284.01	1/4		1/4		1/4	
1/2	2,423.26	1/2	2,064.22	1/2	1,705.18	1/2	1,346.14	1/2	987.10	1/2	628.06	1/2	276.97	1/2		1/2		1/2	
3/4	2,415.78	3/4	2,056.74	3/4	1,697.70	3/4	1,338.66	3/4	979.62	3/4	620.58	3/4	269.94	3/4		3/4		3/4	
6	2,408.30	6	2,049.26	6	1,690.22	6	1,331.18	6	972.14	6	613.10	6	263.04	6		6		6	
1/4	2,400.82	1/4	2,041.78	1/4	1,682.74	1/4	1,323.70	1/4	964.66	1/4	605.62	1/4	256.13	1/4		1/4		1/4	
1/2	2,393.34	1/2	2,034.30	1/2	1,675.26	1/2	1,316.22	1/2	957.18	1/2	598.14	1/2	249.23	1/2		1/2		1/2	
3/4	2,385.86	3/4	2,026.82	3/4	1,667.78	3/4	1,308.74	3/4	949.70	3/4	590.66	3/4	242.32	3/4		3/4		3/4	
7	2,378.38	7	2,019.34	7	1,660.30	7	1,301.26	7	942.22	7	583.18	7	235.41	7		7		7	
1/4	2,370.90	1/4	2,011.86	1/4	1,652.82	1/4	1,293.78	1/4	934.74	1/4	575.70	1/4	228.51	1/4		1/4		1/4	
1/2	2,363.42	1/2	2,004.38	1/2	1,645.34	1/2	1,286.30	1/2	927.26	1/2	568.22	1/2	221.60	1/2		1/2		1/2	
3/4	2,355.94	3/4	1,996.90	3/4	1,637.86	3/4	1,278.82	3/4	919.78	3/4	560.74	3/4	214.69	3/4		3/4		3/4	
8	2,348.46	8	1,989.42	8	1,630.38	8	1,271.34	8	912.30	8	553.26	8	207.91	8		8		8	
1/4	2,340.98	1/4	1,981.94	1/4	1,622.90	1/4	1,263.86	1/4	904.82	1/4	545.78	1/4	201.13	1/4		1/4		1/4	
1/2	2,333.50	1/2	1,974.46	1/2	1,615.42	1/2	1,256.38	1/2	897.34	1/2	538.30	1/2	194.34	1/2		1/2		1/2	
3/4	2,326.02	3/4	1,966.98	3/4	1,607.94	3/4	1,248.90	3/4	889.86	3/4	530.82	3/4	187.56	3/4		3/4		3/4	
9	2,318.54	9	1,959.50	9	1,600.46	9	1,241.42	9	882.38	9	523.34	9	180.78	9		9		9	
1/4	2,311.06	1/4	1,952.02	1/4	1,592.98	1/4	1,233.94	1/4	874.90	1/4	515.86	1/4	174.00	1/4		1/4		1/4	
1/2	2,303.58	1/2	1,944.54	1/2	1,585.50	1/2	1,226.46	1/2	867.42	1/2	508.38	1/2	167.21	1/2		1/2		1/2	
3/4	2,296.10	3/4	1,937.06	3/4	1,578.02	3/4	1,218.98	3/4	859.94	3/4	500.90	3/4	160.43	3/4		3/4		3/4	
10	2,288.62	10	1,929.58	10	1,570.54	10	1,211.50	10	852.46	10	493.50	10	153.77	10		10		10	
1/4	2,281.14	1/4	1,922.10	1/4	1,563.06	1/4	1,204.02	1/4	844.98	1/4	486.10	1/4	147.12	1/4		1/4		1/4	
1/2	2,273.66	1/2	1,914.62	1/2	1,555.58	1/2	1,196.54	1/2	837.50	1/2	478.69	1/2	140.46	1/2		1/2		1/2	
3/4	2,266.18	3/4	1,907.14	3/4	1,548.10	3/4	1,189.06	3/4	830.02	3/4	471.29	3/4	133.80	3/4		3/4		3/4	
11	2,258.70	11	1,899.66	11	1,540.62	11	1,181.58	11	822.54	11	463.89	11	127.14	11		11		11	
1/4	2,251.22	1/4	1,892.18	1/4	1,533.14	1/4	1,174.10	1/4	815.06	1/4	456.48	1/4	120.49	1/4		1/4		1/4	
1/2	2,243.74	1/2	1,884.70	1/2	1,525.66	1/2	1,166.62	1/2	807.58	1/2	449.08	1/2	113.83	1/2		1/2		1/2	
3/4	2,236.26	3/4	1,877.22	3/4	1,518.18	3/4	1,159.14	3/4	800.10	3/4	441.67	3/4	107.17	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/15/2011 INSP
RECALCULATED: 04/12/2022 PMA
NAME CHANGE: 04/13/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2022

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



BARGE "KIRBY 29161"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30025"

GAUGE HEIGHT 17'-03 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	5,122.94	0	4,779.57	0	4,420.00	0	4,060.44	0	3,700.87	0	3,341.30	0	2,981.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,118.56	1/4	4,772.08	1/4	4,412.51	1/4	4,052.94	1/4	3,693.37	1/4	3,333.81	1/4	2,974.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,114.19	1/2	4,764.59	1/2	4,405.02	1/2	4,045.45	1/2	3,685.88	1/2	3,326.32	1/2	2,966.76		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,108.57	3/4	4,757.10	3/4	4,397.53	3/4	4,037.96	3/4	3,678.39	3/4	3,318.83	3/4	2,959.27		
1		1		1		1	5,102.95	1	4,749.61	1	4,390.04	1	4,030.47	1	3,670.90	1	3,311.34	1	2,951.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,097.33	1/4	4,742.11	1/4	4,382.55	1/4	4,022.98	1/4	3,663.41	1/4	3,303.84	1/4	2,944.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,091.71	1/2	4,734.62	1/2	4,375.06	1/2	4,015.49	1/2	3,655.92	1/2	3,296.35	1/2	2,936.78		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,084.84	3/4	4,727.13	3/4	4,367.57	3/4	4,008.00	3/4	3,648.43	3/4	3,288.86	3/4	2,929.29		
2		2		2		2	5,077.97	2	4,719.64	2	4,360.08	2	4,000.51	2	3,640.94	2	3,281.37	2	2,921.80		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,071.10	1/4	4,712.15	1/4	4,352.58	1/4	3,993.01	1/4	3,633.45	1/4	3,273.88	1/4	2,914.31		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,064.23	1/2	4,704.66	1/2	4,345.09	1/2	3,985.52	1/2	3,625.96	1/2	3,266.39	1/2	2,906.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,056.74	3/4	4,697.17	3/4	4,337.60	3/4	3,978.03	3/4	3,618.47	3/4	3,258.90	3/4	2,899.33		
3		3		3		3	5,049.25	3	4,689.68	3	4,330.11	3	3,970.54	3	3,610.98	3	3,251.41	3	2,891.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,041.75	1/4	4,682.19	1/4	4,322.62	1/4	3,963.05	1/4	3,603.48	1/4	3,243.91	1/4	2,884.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,034.26	1/2	4,674.70	1/2	4,315.13	1/2	3,955.56	1/2	3,595.99	1/2	3,236.42	1/2	2,876.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,026.77	3/4	4,667.21	3/4	4,307.64	3/4	3,948.07	3/4	3,588.50	3/4	3,228.93	3/4	2,869.37		
4		4		4		4	5,019.28	4	4,659.72	4	4,300.15	4	3,940.58	4	3,581.01	4	3,221.44	4	2,861.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,011.79	1/4	4,652.22	1/4	4,292.65	1/4	3,933.09	1/4	3,573.52	1/4	3,213.95	1/4	2,854.38		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,004.30	1/2	4,644.73	1/2	4,285.16	1/2	3,925.60	1/2	3,566.03	1/2	3,206.46	1/2	2,846.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,996.81	3/4	4,637.24	3/4	4,277.67	3/4	3,918.11	3/4	3,558.54	3/4	3,198.97	3/4	2,839.40		
5		5		5		5	4,989.32	5	4,629.75	5	4,270.18	5	3,910.62	5	3,551.05	5	3,191.48	5	2,831.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,981.83	1/4	4,622.26	1/4	4,262.69	1/4	3,903.12	1/4	3,543.55	1/4	3,183.99	1/4	2,824.42		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,974.34	1/2	4,614.77	1/2	4,255.20	1/2	3,895.63	1/2	3,536.06	1/2	3,176.50	1/2	2,816.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,966.85	3/4	4,607.28	3/4	4,247.71	3/4	3,888.14	3/4	3,528.57	3/4	3,169.01	3/4	2,809.44		
6		6		6		6	4,959.36	6	4,599.79	6	4,240.22	6	3,880.65	6	3,521.08	6	3,161.52	6	2,801.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,951.86	1/4	4,592.29	1/4	4,232.73	1/4	3,873.16	1/4	3,513.59	1/4	3,154.02	1/4	2,794.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,944.37	1/2	4,584.80	1/2	4,225.24	1/2	3,865.67	1/2	3,506.10	1/2	3,146.53	1/2	2,786.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,936.88	3/4	4,577.31	3/4	4,217.75	3/4	3,858.18	3/4	3,498.61	3/4	3,139.04	3/4	2,779.47		
7		7		7		7	4,929.39	7	4,569.82	7	4,210.26	7	3,850.69	7	3,491.12	7	3,131.55	7	2,771.98		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,921.90	1/4	4,562.33	1/4	4,202.76	1/4	3,843.19	1/4	3,483.63	1/4	3,124.06	1/4	2,764.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,914.41	1/2	4,554.84	1/2	4,195.27	1/2	3,835.70	1/2	3,476.14	1/2	3,116.57	1/2	2,757.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,906.92	3/4	4,547.35	3/4	4,187.78	3/4	3,828.21	3/4	3,468.65	3/4	3,109.08	3/4	2,749.51		
8		8		8		8	4,899.43	8	4,539.86	8	4,180.29	8	3,820.72	8	3,461.16	8	3,101.59	8	2,742.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,891.93	1/4	4,532.37	1/4	4,172.80	1/4	3,813.23	1/4	3,453.66	1/4	3,094.09	1/4	2,734.53		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,154.17	1/2	4,884.44	1/2	4,524.88	1/2	4,165.31	1/2	3,805.74	1/2	3,446.17	1/2	3,086.60	1/2	2,727.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,153.55	3/4	4,876.95	3/4	4,517.39	3/4	4,157.82	3/4	3,798.25	3/4	3,438.68	3/4	3,079.11	3/4	2,719.55
9		9		9		9	5,152.92	9	4,869.46	9	4,509.90	9	4,150.33	9	3,790.76	9	3,431.19	9	3,071.62	9	2,712.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,152.30	1/4	4,861.97	1/4	4,502.40	1/4	4,142.83	1/4	3,783.27	1/4	3,423.70	1/4	3,064.13	1/4	2,704.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,151.67	1/2	4,854.48	1/2	4,494.91	1/2	4,135.34	1/2	3,775.78	1/2	3,416.21	1/2	3,056.64	1/2	2,697.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,149.80	3/4	4,846.99	3/4	4,487.42	3/4	4,127.85	3/4	3,768.29	3/4	3,408.72	3/4	3,049.15	3/4	2,689.58
10		10		10		10	5,147.92	10	4,839.50	10	4,479.93	10	4,120.36	10	3,760.80	10	3,401.23	10	3,041.66	10	2,682.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,146.05	1/4	4,832.01	1/4	4,472.44	1/4	4,112.87	1/4	3,753.30	1/4	3,393.73	1/4	3,034.17	1/4	2,674.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,144.17	1/2	4,824.52	1/2	4,464.95	1/2	4,105.38	1/2	3,745.81	1/2	3,386.24	1/2	3,026.68	1/2	2,667.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,141.05	3/4	4,817.03	3/4	4,457.46	3/4	4,097.89	3/4	3,738.32	3/4	3,378.75	3/4	3,019.19	3/4	2,659.62
11		11		11		11	5,137.93	11	4,809.54	11	4,449.97	11	4,090.40	11	3,730.83	11	3,371.26	11	3,011.70	11	2,652.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,134.80	1/4	4,802.04	1/4	4,442.47	1/4	4,082.91	1/4	3,723.34	1/4	3,363.77	1/4	3,004.20	1/4	2,644.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,131.68	1/2	4,794.55	1/2	4,434.98	1/2	4,075.42	1/2	3,715.85	1/2	3,356.28	1/2	2,996.71	1/2	2,637.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,127.31	3/4	4,787.06	3/4	4,427.49	3/4	4,067.93	3/4	3,708.36	3/4	3,348.79	3/4	2,989.22	3/4	2,629.65

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29161"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30025"

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,622.16	0	2,262.60	0	1,903.03	0	1,543.46	0	1,183.89	0	824.32	0	464.76	0	105.19	0		0	
1/4	2,614.67	1/4	2,255.10	1/4	1,895.53	1/4	1,535.97	1/4	1,176.40	1/4	816.83	1/4	457.26	1/4	97.69	1/4		1/4	
1/2	2,607.18	1/2	2,247.61	1/2	1,888.04	1/2	1,528.48	1/2	1,168.91	1/2	809.34	1/2	449.77	1/2	90.20	1/2		1/2	
3/4	2,599.69	3/4	2,240.12	3/4	1,880.55	3/4	1,520.99	3/4	1,161.42	3/4	801.85	3/4	442.28	3/4	82.71	3/4		3/4	
1	2,592.20	1	2,232.63	1	1,873.06	1	1,513.50	1	1,153.93	1	794.36	1	434.79	1	75.22	1		1	
1/4	2,584.71	1/4	2,225.14	1/4	1,865.57	1/4	1,506.00	1/4	1,146.43	1/4	786.87	1/4	427.30	1/4	67.73	1/4		1/4	
1/2	2,577.22	1/2	2,217.65	1/2	1,858.08	1/2	1,498.51	1/2	1,138.94	1/2	779.38	1/2	419.81	1/2	60.24	1/2		1/2	
3/4	2,569.73	3/4	2,210.16	3/4	1,850.59	3/4	1,491.02	3/4	1,131.45	3/4	771.89	3/4	412.32	3/4	53.68	3/4		3/4	
2	2,562.24	2	2,202.67	2	1,843.10	2	1,483.53	2	1,123.96	2	764.40	2	404.83	2	47.13	2		2	
1/4	2,554.74	1/4	2,195.17	1/4	1,835.61	1/4	1,476.04	1/4	1,116.47	1/4	756.90	1/4	397.33	1/4	40.57	1/4		1/4	
1/2	2,547.25	1/2	2,187.68	1/2	1,828.12	1/2	1,468.55	1/2	1,108.98	1/2	749.41	1/2	389.84	1/2	34.01	1/2		1/2	
3/4	2,539.76	3/4	2,180.19	3/4	1,820.63	3/4	1,461.06	3/4	1,101.49	3/4	741.92	3/4	382.35	3/4	29.33	3/4		3/4	
3	2,532.27	3	2,172.70	3	1,813.14	3	1,453.57	3	1,094.00	3	734.43	3	374.86	3	24.64	3		3	
1/4	2,524.78	1/4	2,165.21	1/4	1,805.64	1/4	1,446.07	1/4	1,086.51	1/4	726.94	1/4	367.37	1/4	19.96	1/4		1/4	
1/2	2,517.29	1/2	2,157.72	1/2	1,798.15	1/2	1,438.58	1/2	1,079.02	1/2	719.45	1/2	359.88	1/2	15.27	1/2		1/2	
3/4	2,509.80	3/4	2,150.23	3/4	1,790.66	3/4	1,431.09	3/4	1,071.53	3/4	711.96	3/4	352.39	3/4		3/4		3/4	
4	2,502.31	4	2,142.74	4	1,783.17	4	1,423.60	4	1,064.04	4	704.47	4	344.90	4		4		4	
1/4	2,494.81	1/4	2,135.25	1/4	1,775.68	1/4	1,416.11	1/4	1,056.54	1/4	696.97	1/4	337.41	1/4		1/4		1/4	
1/2	2,487.32	1/2	2,127.76	1/2	1,768.19	1/2	1,408.62	1/2	1,049.05	1/2	689.48	1/2	329.92	1/2		1/2		1/2	
3/4	2,479.83	3/4	2,120.27	3/4	1,760.70	3/4	1,401.13	3/4	1,041.56	3/4	681.99	3/4	322.43	3/4		3/4		3/4	
5	2,472.34	5	2,112.78	5	1,753.21	5	1,393.64	5	1,034.07	5	674.50	5	314.94	5		5		5	
1/4	2,464.85	1/4	2,105.28	1/4	1,745.71	1/4	1,386.15	1/4	1,026.58	1/4	667.01	1/4	307.44	1/4		1/4		1/4	
1/2	2,457.36	1/2	2,097.79	1/2	1,738.22	1/2	1,378.66	1/2	1,019.09	1/2	659.52	1/2	299.95	1/2		1/2		1/2	
3/4	2,449.87	3/4	2,090.30	3/4	1,730.73	3/4	1,371.17	3/4	1,011.60	3/4	652.03	3/4	292.46	3/4		3/4		3/4	
6	2,442.38	6	2,082.81	6	1,723.24	6	1,363.68	6	1,004.11	6	644.54	6	284.97	6		6		6	
1/4	2,434.89	1/4	2,075.32	1/4	1,715.75	1/4	1,356.18	1/4	996.61	1/4	637.05	1/4	277.48	1/4		1/4		1/4	
1/2	2,427.40	1/2	2,067.83	1/2	1,708.26	1/2	1,348.69	1/2	989.12	1/2	629.56	1/2	269.99	1/2		1/2		1/2	
3/4	2,419.91	3/4	2,060.34	3/4	1,700.77	3/4	1,341.20	3/4	981.63	3/4	622.07	3/4	262.50	3/4		3/4		3/4	
7	2,412.42	7	2,052.85	7	1,693.28	7	1,333.71	7	974.14	7	614.58	7	255.01	7		7		7	
1/4	2,404.92	1/4	2,045.35	1/4	1,685.79	1/4	1,326.22	1/4	966.65	1/4	607.08	1/4	247.51	1/4		1/4		1/4	
1/2	2,397.43	1/2	2,037.86	1/2	1,678.30	1/2	1,318.73	1/2	959.16	1/2	599.59	1/2	240.02	1/2		1/2		1/2	
3/4	2,389.94	3/4	2,030.37	3/4	1,670.81	3/4	1,311.24	3/4	951.67	3/4	592.10	3/4	232.53	3/4		3/4		3/4	
8	2,382.45	8	2,022.88	8	1,663.32	8	1,303.75	8	944.18	8	584.61	8	225.04	8		8		8	
1/4	2,374.96	1/4	2,015.39	1/4	1,655.82	1/4	1,296.25	1/4	936.69	1/4	577.12	1/4	217.55	1/4		1/4		1/4	
1/2	2,367.47	1/2	2,007.90	1/2	1,648.33	1/2	1,288.76	1/2	929.20	1/2	569.63	1/2	210.06	1/2		1/2		1/2	
3/4	2,359.98	3/4	2,000.41	3/4	1,640.84	3/4	1,281.27	3/4	921.71	3/4	562.14	3/4	202.57	3/4		3/4		3/4	
9	2,352.49	9	1,992.92	9	1,633.35	9	1,273.78	9	914.22	9	554.65	9	195.08	9		9		9	
1/4	2,344.99	1/4	1,985.43	1/4	1,625.86	1/4	1,266.29	1/4	906.72	1/4	547.15	1/4	187.59	1/4		1/4		1/4	
1/2	2,337.50	1/2	1,977.94	1/2	1,618.37	1/2	1,258.80	1/2	899.23	1/2	539.66	1/2	180.10	1/2		1/2		1/2	
3/4	2,330.01	3/4	1,970.45	3/4	1,610.88	3/4	1,251.31	3/4	891.74	3/4	532.17	3/4	172.61	3/4		3/4		3/4	
10	2,322.52	10	1,962.96	10	1,603.39	10	1,243.82	10	884.25	10	524.68	10	165.12	10		10		10	
1/4	2,315.03	1/4	1,955.46	1/4	1,595.89	1/4	1,236.33	1/4	876.76	1/4	517.19	1/4	157.62	1/4		1/4		1/4	
1/2	2,307.54	1/2	1,947.97	1/2	1,588.40	1/2	1,228.84	1/2	869.27	1/2	509.70	1/2	150.13	1/2		1/2		1/2	
3/4	2,300.05	3/4	1,940.48	3/4	1,580.91	3/4	1,221.35	3/4	861.78	3/4	502.21	3/4	142.64	3/4		3/4		3/4	
11	2,292.56	11	1,932.99	11	1,573.42	11	1,213.86	11	854.29	11	494.72	11	135.15	11		11		11	
1/4	2,285.07	1/4	1,925.50	1/4	1,565.93	1/4	1,206.36	1/4	846.79	1/4	487.23	1/4	127.66	1/4		1/4		1/4	
1/2	2,277.58	1/2	1,918.01	1/2	1,558.44	1/2	1,198.87	1/2	839.30	1/2	479.74	1/2	120.17	1/2		1/2		1/2	
3/4	2,270.09	3/4	1,910.52	3/4	1,550.95	3/4	1,191.38	3/4	831.81	3/4	472.25	3/4	112.68	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/15/2011 INSP
RECALCULATED: 04/12/2022 PMA
NAME CHANGE: 04/13/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2022

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



BARGE "KIRBY 29161"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30025"

GAUGE HEIGHT 17'-04 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	5,137.93	0	4,809.54	0	4,449.97	0	4,090.40	0	3,730.83	0	3,371.26	0	3,011.70		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,134.80	1/4	4,802.04	1/4	4,442.47	1/4	4,082.91	1/4	3,723.34	1/4	3,363.77	1/4	3,004.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,131.68	1/2	4,794.55	1/2	4,434.98	1/2	4,075.42	1/2	3,715.85	1/2	3,356.28	1/2	2,996.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,127.31	3/4	4,787.06	3/4	4,427.49	3/4	4,067.93	3/4	3,708.36	3/4	3,348.79	3/4	2,989.22		
1		1		1		1	5,122.94	1	4,779.57	1	4,420.00	1	4,060.44	1	3,700.87	1	3,341.30	1	2,981.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,118.56	1/4	4,772.08	1/4	4,412.51	1/4	4,052.94	1/4	3,693.37	1/4	3,333.81	1/4	2,974.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,114.19	1/2	4,764.59	1/2	4,405.02	1/2	4,045.45	1/2	3,685.88	1/2	3,326.32	1/2	2,966.76		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,108.57	3/4	4,757.10	3/4	4,397.53	3/4	4,037.96	3/4	3,678.39	3/4	3,318.83	3/4	2,959.27		
2		2		2		2	5,102.95	2	4,749.61	2	4,390.04	2	4,030.47	2	3,670.90	2	3,311.34	2	2,951.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,097.33	1/4	4,742.11	1/4	4,382.55	1/4	4,022.98	1/4	3,663.41	1/4	3,303.84	1/4	2,944.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,091.71	1/2	4,734.62	1/2	4,375.06	1/2	4,015.49	1/2	3,655.92	1/2	3,296.35	1/2	2,936.78		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,084.84	3/4	4,727.13	3/4	4,367.57	3/4	4,008.00	3/4	3,648.43	3/4	3,288.86	3/4	2,929.29		
3		3		3		3	5,077.97	3	4,719.64	3	4,360.08	3	4,000.51	3	3,640.94	3	3,281.37	3	2,921.80		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,071.10	1/4	4,712.15	1/4	4,352.58	1/4	3,993.01	1/4	3,633.45	1/4	3,273.88	1/4	2,914.31		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,064.23	1/2	4,704.66	1/2	4,345.09	1/2	3,985.52	1/2	3,625.96	1/2	3,266.39	1/2	2,906.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,056.74	3/4	4,697.17	3/4	4,337.60	3/4	3,978.03	3/4	3,618.47	3/4	3,258.90	3/4	2,899.33		
4		4		4		4	5,049.25	4	4,689.68	4	4,330.11	4	3,970.54	4	3,610.98	4	3,251.41	4	2,891.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,041.75	1/4	4,682.19	1/4	4,322.62	1/4	3,963.05	1/4	3,603.48	1/4	3,243.91	1/4	2,884.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,034.26	1/2	4,674.70	1/2	4,315.13	1/2	3,955.56	1/2	3,595.99	1/2	3,236.42	1/2	2,876.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,026.77	3/4	4,667.21	3/4	4,307.64	3/4	3,948.07	3/4	3,588.50	3/4	3,228.93	3/4	2,869.37		
5		5		5		5	5,019.28	5	4,659.72	5	4,300.15	5	3,940.58	5	3,581.01	5	3,221.44	5	2,861.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,011.79	1/4	4,652.22	1/4	4,292.65	1/4	3,933.09	1/4	3,573.52	1/4	3,213.95	1/4	2,854.38		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,004.30	1/2	4,644.73	1/2	4,285.16	1/2	3,925.60	1/2	3,566.03	1/2	3,206.46	1/2	2,846.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,996.81	3/4	4,637.24	3/4	4,277.67	3/4	3,918.11	3/4	3,558.54	3/4	3,198.97	3/4	2,839.40		
6		6		6		6	4,989.32	6	4,629.75	6	4,270.18	6	3,910.62	6	3,551.05	6	3,191.48	6	2,831.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,981.83	1/4	4,622.26	1/4	4,262.69	1/4	3,903.12	1/4	3,543.55	1/4	3,183.99	1/4	2,824.42		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,974.34	1/2	4,614.77	1/2	4,255.20	1/2	3,895.63	1/2	3,536.06	1/2	3,176.50	1/2	2,816.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,966.85	3/4	4,607.28	3/4	4,247.71	3/4	3,888.14	3/4	3,528.57	3/4	3,169.01	3/4	2,809.44		
7		7		7		7	4,959.36	7	4,599.79	7	4,240.22	7	3,880.65	7	3,521.08	7	3,161.52	7	2,801.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,951.86	1/4	4,592.29	1/4	4,232.73	1/4	3,873.16	1/4	3,513.59	1/4	3,154.02	1/4	2,794.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,944.37	1/2	4,584.80	1/2	4,225.24	1/2	3,865.67	1/2	3,506.10	1/2	3,146.53	1/2	2,786.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,936.88	3/4	4,577.31	3/4	4,217.75	3/4	3,858.18	3/4	3,498.61	3/4	3,139.04	3/4	2,779.47		
8		8		8		8	4,929.39	8	4,569.82	8	4,210.26	8	3,850.69	8	3,491.12	8	3,131.55	8	2,771.98		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,921.90	1/4	4,562.33	1/4	4,202.76	1/4	3,843.19	1/4	3,483.63	1/4	3,124.06	1/4	2,764.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,914.41	1/2	4,554.84	1/2	4,195.27	1/2	3,835.70	1/2	3,476.14	1/2	3,116.57	1/2	2,757.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,906.92	3/4	4,547.35	3/4	4,187.78	3/4	3,828.21	3/4	3,468.65	3/4	3,109.08	3/4	2,749.51		
9		9		9		9	4,899.43	9	4,539.86	9	4,180.29	9	3,820.72	9	3,461.16	9	3,101.59	9	2,742.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,891.93	1/4	4,532.37	1/4	4,172.80	1/4	3,813.23	1/4	3,453.66	1/4	3,094.09	1/4	2,734.53		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,154.17	1/2	4,884.44	1/2	4,524.88	1/2	4,165.31	1/2	3,805.74	1/2	3,446.17	1/2	3,086.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,153.55	3/4	4,876.95	3/4	4,517.39	3/4	4,157.82	3/4	3,798.25	3/4	3,438.68	3/4	3,079.11		
10		10		10		10	5,152.92	10	4,869.46	10	4,509.90	10	4,150.33	10	3,790.76	10	3,431.19	10	3,071.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,152.30	1/4	4,861.97	1/4	4,502.40	1/4	4,142.83	1/4	3,783.27	1/4	3,423.70	1/4	3,064.13		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,151.67	1/2	4,854.48	1/2	4,494.91	1/2	4,135.34	1/2	3,775.78	1/2	3,416.21	1/2	3,056.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,149.80	3/4	4,846.99	3/4	4,487.42	3/4	4,127.85	3/4	3,768.29	3/4	3,408.72	3/4	3,049.15		
11		11		11		11	5,147.92	11	4,839.50	11	4,479.93	11	4,120.36	11	3,760.80	11	3,401.23	11	3,041.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,146.05	1/4	4,832.01	1/4	4,472.44	1/4	4,112.87	1/4	3,753.30	1/4	3,393.73	1/4	3,034.17		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,144.17	1/2	4,824.52	1/2	4,464.95	1/2	4,105.38	1/2	3,745.81	1/2	3,386.24	1/2	3,026.68		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,141.05	3/4	4,817.03	3/4	4,457.46	3/4	4,097.89	3/4	3,738.32	3/4	3,378.75	3/4	3,019.19		

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 WITH "HERMETIC DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29161"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30025"

GAUGE HEIGHT 17'-04 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,652.13	0	2,292.56	0	1,932.99	0	1,573.42	0	1,213.86	0	854.29	0	494.72	0	135.15	0		0	
1/4	2,644.63	1/4	2,285.07	1/4	1,925.50	1/4	1,565.93	1/4	1,206.36	1/4	846.79	1/4	487.23	1/4	127.66	1/4		1/4	
1/2	2,637.14	1/2	2,277.58	1/2	1,918.01	1/2	1,558.44	1/2	1,198.87	1/2	839.30	1/2	479.74	1/2	120.17	1/2		1/2	
3/4	2,629.65	3/4	2,270.09	3/4	1,910.52	3/4	1,550.95	3/4	1,191.38	3/4	831.81	3/4	472.25	3/4	112.68	3/4		3/4	
1	2,622.16	1	2,262.60	1	1,903.03	1	1,543.46	1	1,183.89	1	824.32	1	464.76	1	105.19	1		1	
1/4	2,614.67	1/4	2,255.10	1/4	1,895.53	1/4	1,535.97	1/4	1,176.40	1/4	816.83	1/4	457.26	1/4	97.69	1/4		1/4	
1/2	2,607.18	1/2	2,247.61	1/2	1,888.04	1/2	1,528.48	1/2	1,168.91	1/2	809.34	1/2	449.77	1/2	90.20	1/2		1/2	
3/4	2,599.69	3/4	2,240.12	3/4	1,880.55	3/4	1,520.99	3/4	1,161.42	3/4	801.85	3/4	442.28	3/4	82.71	3/4		3/4	
2	2,592.20	2	2,232.63	2	1,873.06	2	1,513.50	2	1,153.93	2	794.36	2	434.79	2	75.22	2		2	
1/4	2,584.71	1/4	2,225.14	1/4	1,865.57	1/4	1,506.00	1/4	1,146.43	1/4	786.87	1/4	427.30	1/4	67.73	1/4		1/4	
1/2	2,577.22	1/2	2,217.65	1/2	1,858.08	1/2	1,498.51	1/2	1,138.94	1/2	779.38	1/2	419.81	1/2	60.24	1/2		1/2	
3/4	2,569.73	3/4	2,210.16	3/4	1,850.59	3/4	1,491.02	3/4	1,131.45	3/4	771.89	3/4	412.32	3/4	53.68	3/4		3/4	
3	2,562.24	3	2,202.67	3	1,843.10	3	1,483.53	3	1,123.96	3	764.40	3	404.83	3	47.13	3		3	
1/4	2,554.74	1/4	2,195.17	1/4	1,835.61	1/4	1,476.04	1/4	1,116.47	1/4	756.90	1/4	397.33	1/4	40.57	1/4		1/4	
1/2	2,547.25	1/2	2,187.68	1/2	1,828.12	1/2	1,468.55	1/2	1,108.98	1/2	749.41	1/2	389.84	1/2	34.01	1/2		1/2	
3/4	2,539.76	3/4	2,180.19	3/4	1,820.63	3/4	1,461.06	3/4	1,101.49	3/4	741.92	3/4	382.35	3/4	29.33	3/4		3/4	
4	2,532.27	4	2,172.70	4	1,813.14	4	1,453.57	4	1,094.00	4	734.43	4	374.86	4	24.64	4		4	
1/4	2,524.78	1/4	2,165.21	1/4	1,805.64	1/4	1,446.07	1/4	1,086.51	1/4	726.94	1/4	367.37	1/4	19.96	1/4		1/4	
1/2	2,517.29	1/2	2,157.72	1/2	1,798.15	1/2	1,438.58	1/2	1,079.02	1/2	719.45	1/2	359.88	1/2	15.27	1/2		1/2	
3/4	2,509.80	3/4	2,150.23	3/4	1,790.66	3/4	1,431.09	3/4	1,071.53	3/4	711.96	3/4	352.39	3/4		3/4		3/4	
5	2,502.31	5	2,142.74	5	1,783.17	5	1,423.60	5	1,064.04	5	704.47	5	344.90	5		5		5	
1/4	2,494.81	1/4	2,135.25	1/4	1,775.68	1/4	1,416.11	1/4	1,056.54	1/4	696.97	1/4	337.41	1/4		1/4		1/4	
1/2	2,487.32	1/2	2,127.76	1/2	1,768.19	1/2	1,408.62	1/2	1,049.05	1/2	689.48	1/2	329.92	1/2		1/2		1/2	
3/4	2,479.83	3/4	2,120.27	3/4	1,760.70	3/4	1,401.13	3/4	1,041.56	3/4	681.99	3/4	322.43	3/4		3/4		3/4	
6	2,472.34	6	2,112.78	6	1,753.21	6	1,393.64	6	1,034.07	6	674.50	6	314.94	6		6		6	
1/4	2,464.85	1/4	2,105.28	1/4	1,745.71	1/4	1,386.15	1/4	1,026.58	1/4	667.01	1/4	307.44	1/4		1/4		1/4	
1/2	2,457.36	1/2	2,097.79	1/2	1,738.22	1/2	1,378.66	1/2	1,019.09	1/2	659.52	1/2	299.95	1/2		1/2		1/2	
3/4	2,449.87	3/4	2,090.30	3/4	1,730.73	3/4	1,371.17	3/4	1,011.60	3/4	652.03	3/4	292.46	3/4		3/4		3/4	
7	2,442.38	7	2,082.81	7	1,723.24	7	1,363.68	7	1,004.11	7	644.54	7	284.97	7		7		7	
1/4	2,434.89	1/4	2,075.32	1/4	1,715.75	1/4	1,356.18	1/4	996.61	1/4	637.05	1/4	277.48	1/4		1/4		1/4	
1/2	2,427.40	1/2	2,067.83	1/2	1,708.26	1/2	1,348.69	1/2	989.12	1/2	629.56	1/2	269.99	1/2		1/2		1/2	
3/4	2,419.91	3/4	2,060.34	3/4	1,700.77	3/4	1,341.20	3/4	981.63	3/4	622.07	3/4	262.50	3/4		3/4		3/4	
8	2,412.42	8	2,052.85	8	1,693.28	8	1,333.71	8	974.14	8	614.58	8	255.01	8		8		8	
1/4	2,404.92	1/4	2,045.35	1/4	1,685.79	1/4	1,326.22	1/4	966.65	1/4	607.08	1/4	247.51	1/4		1/4		1/4	
1/2	2,397.43	1/2	2,037.86	1/2	1,678.30	1/2	1,318.73	1/2	959.16	1/2	599.59	1/2	240.02	1/2		1/2		1/2	
3/4	2,389.94	3/4	2,030.37	3/4	1,670.81	3/4	1,311.24	3/4	951.67	3/4	592.10	3/4	232.53	3/4		3/4		3/4	
9	2,382.45	9	2,022.88	9	1,663.32	9	1,303.75	9	944.18	9	584.61	9	225.04	9		9		9	
1/4	2,374.96	1/4	2,015.39	1/4	1,655.82	1/4	1,296.25	1/4	936.69	1/4	577.12	1/4	217.55	1/4		1/4		1/4	
1/2	2,367.47	1/2	2,007.90	1/2	1,648.33	1/2	1,288.76	1/2	929.20	1/2	569.63	1/2	210.06	1/2		1/2		1/2	
3/4	2,359.98	3/4	2,000.41	3/4	1,640.84	3/4	1,281.27	3/4	921.71	3/4	562.14	3/4	202.57	3/4		3/4		3/4	
10	2,352.49	10	1,992.92	10	1,633.35	10	1,273.78	10	914.22	10	554.65	10	195.08	10		10		10	
1/4	2,344.99	1/4	1,985.43	1/4	1,625.86	1/4	1,266.29	1/4	906.72	1/4	547.15	1/4	187.59	1/4		1/4		1/4	
1/2	2,337.50	1/2	1,977.94	1/2	1,618.37	1/2	1,258.80	1/2	899.23	1/2	539.66	1/2	180.10	1/2		1/2		1/2	
3/4	2,330.01	3/4	1,970.45	3/4	1,610.88	3/4	1,251.31	3/4	891.74	3/4	532.17	3/4	172.61	3/4		3/4		3/4	
11	2,322.52	11	1,962.96	11	1,603.39	11	1,243.82	11	884.25	11	524.68	11	165.12	11		11		11	
1/4	2,315.03	1/4	1,955.46	1/4	1,595.89	1/4	1,236.33	1/4	876.76	1/4	517.19	1/4	157.62	1/4		1/4		1/4	
1/2	2,307.54	1/2	1,947.97	1/2	1,588.40	1/2	1,228.84	1/2	869.27	1/2	509.70	1/2	150.13	1/2		1/2		1/2	
3/4	2,300.05	3/4	1,940.48	3/4	1,580.91	3/4	1,221.35	3/4	861.78	3/4	502.21	3/4	142.64	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/15/2011 INSP
RECALCULATED: 04/12/2022 PMA
NAME CHANGE: 04/13/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2022

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



BARGE "KIRBY 29161"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30025"

GAUGE HEIGHT 17'-04 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,493.83	0	4,289.96	0	4,069.64	0	3,849.32	0	3,629.00	0	3,351.18	0	2,992.82		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,491.92	1/4	4,285.37	1/4	4,065.05	1/4	3,844.73	1/4	3,624.41	1/4	3,343.72	1/4	2,985.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,489.24	1/2	4,280.78	1/2	4,060.46	1/2	3,840.14	1/2	3,619.82	1/2	3,336.25	1/2	2,977.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,486.57	3/4	4,276.19	3/4	4,055.87	3/4	3,835.55	3/4	3,615.23	3/4	3,328.79	3/4	2,970.42		
1		1		1		1	4,483.89	1	4,271.60	1	4,051.28	1	3,830.96	1	3,610.64	1	3,321.32	1	2,962.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,481.21	1/4	4,267.01	1/4	4,046.69	1/4	3,826.37	1/4	3,606.05	1/4	3,313.86	1/4	2,955.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,477.77	1/2	4,262.42	1/2	4,042.10	1/2	3,821.78	1/2	3,601.46	1/2	3,306.39	1/2	2,948.02		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,474.33	3/4	4,257.83	3/4	4,037.51	3/4	3,817.19	3/4	3,596.87	3/4	3,298.92	3/4	2,940.55		
2		2		2		2	4,470.88	2	4,253.24	2	4,032.92	2	3,812.60	2	3,592.28	2	3,291.46	2	2,933.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,467.44	1/4	4,248.65	1/4	4,028.33	1/4	3,808.01	1/4	3,587.69	1/4	3,283.99	1/4	2,925.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,463.23	1/2	4,244.06	1/2	4,023.74	1/2	3,803.42	1/2	3,583.10	1/2	3,276.52	1/2	2,918.15		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,459.03	3/4	4,239.47	3/4	4,019.15	3/4	3,798.83	3/4	3,578.51	3/4	3,269.06	3/4	2,910.69		
3		3		3		3	4,454.82	3	4,234.88	3	4,014.56	3	3,794.24	3	3,573.92	3	3,261.59	3	2,903.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,450.61	1/4	4,230.29	1/4	4,009.97	1/4	3,789.65	1/4	3,569.33	1/4	3,254.13	1/4	2,895.76		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,446.02	1/2	4,225.70	1/2	4,005.38	1/2	3,785.06	1/2	3,564.68	1/2	3,246.66	1/2	2,888.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,441.43	3/4	4,221.11	3/4	4,000.79	3/4	3,780.47	3/4	3,560.04	3/4	3,239.19	3/4	2,880.83		
4		4		4		4	4,436.84	4	4,216.52	4	3,996.20	4	3,775.88	4	3,555.39	4	3,231.73	4	2,873.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,432.25	1/4	4,211.93	1/4	3,991.61	1/4	3,771.29	1/4	3,550.75	1/4	3,224.26	1/4	2,865.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,427.66	1/2	4,207.34	1/2	3,987.02	1/2	3,766.70	1/2	3,545.72	1/2	3,216.79	1/2	2,858.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,423.07	3/4	4,202.75	3/4	3,982.43	3/4	3,762.11	3/4	3,540.68	3/4	3,209.33	3/4	2,850.96		
5		5		5		5	4,418.48	5	4,198.16	5	3,977.84	5	3,757.52	5	3,535.65	5	3,201.86	5	2,843.50		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,413.89	1/4	4,193.57	1/4	3,973.25	1/4	3,752.93	1/4	3,530.62	1/4	3,194.40	1/4	2,836.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,409.30	1/2	4,188.98	1/2	3,968.66	1/2	3,748.34	1/2	3,525.15	1/2	3,186.93	1/2	2,828.56		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,404.71	3/4	4,184.39	3/4	3,964.07	3/4	3,743.75	3/4	3,519.67	3/4	3,179.47	3/4	2,821.10		
6		6		6		6	4,400.12	6	4,179.80	6	3,959.48	6	3,739.16	6	3,514.20	6	3,172.00	6	2,813.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,395.53	1/4	4,175.21	1/4	3,954.89	1/4	3,734.57	1/4	3,508.73	1/4	3,164.54	1/4	2,806.17		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,390.94	1/2	4,170.62	1/2	3,950.30	1/2	3,729.98	1/2	3,502.81	1/2	3,157.07	1/2	2,798.70		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,386.35	3/4	4,166.03	3/4	3,945.71	3/4	3,725.39	3/4	3,496.89	3/4	3,149.60	3/4	2,791.23		
7		7		7		7	4,381.76	7	4,161.44	7	3,941.12	7	3,720.80	7	3,490.98	7	3,142.14	7	2,783.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,377.17	1/4	4,156.85	1/4	3,936.53	1/4	3,716.21	1/4	3,485.06	1/4	3,134.67	1/4	2,776.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,372.58	1/2	4,152.26	1/2	3,931.94	1/2	3,711.62	1/2	3,478.70	1/2	3,127.20	1/2	2,768.83		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,367.99	3/4	4,147.67	3/4	3,927.35	3/4	3,707.03	3/4	3,472.34	3/4	3,119.74	3/4	2,761.37		
8		8		8		8	4,363.40	8	4,143.08	8	3,922.76	8	3,702.44	8	3,465.99	8	3,112.27	8	2,753.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,358.81	1/4	4,138.49	1/4	3,918.17	1/4	3,697.85	1/4	3,459.63	1/4	3,104.81	1/4	2,746.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,354.22	1/2	4,133.90	1/2	3,913.58	1/2	3,693.26	1/2	3,452.83	1/2	3,097.34	1/2	2,738.97		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,349.63	3/4	4,129.31	3/4	3,908.99	3/4	3,688.67	3/4	3,446.02	3/4	3,089.87	3/4	2,731.51		
9		9		9		9	4,345.04	9	4,124.72	9	3,904.40	9	3,684.08	9	3,439.22	9	3,082.41	9	2,724.04		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,505.68	1/4	4,340.45	1/4	4,120.13	1/4	3,899.81	1/4	3,679.49	1/4	3,432.42	1/4	3,074.94	1/4	2,716.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,505.30	1/2	4,335.86	1/2	4,115.54	1/2	3,895.22	1/2	3,674.90	1/2	3,425.18	1/2	3,067.47	1/2	2,709.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,504.92	3/4	4,331.27	3/4	4,110.95	3/4	3,890.63	3/4	3,670.31	3/4	3,417.93	3/4	3,060.01	3/4	2,701.64
10		10		10		10	4,504.53	10	4,326.68	10	4,106.36	10	3,886.04	10	3,665.72	10	3,410.69	10	3,052.54	10	2,694.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,504.15	1/4	4,322.09	1/4	4,101.77	1/4	3,881.45	1/4	3,661.13	1/4	3,403.45	1/4	3,045.08	1/4	2,686.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,503.00	1/2	4,317.50	1/2	4,097.18	1/2	3,876.86	1/2	3,656.54	1/2	3,395.98	1/2	3,037.61	1/2	2,679.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,501.86	3/4	4,312.91	3/4	4,092.59	3/4	3,872.27	3/4	3,651.95	3/4	3,388.51	3/4	3,030.15	3/4	2,671.78
11		11		11		11	4,500.71	11	4,308.32	11	4,088.00	11	3,867.68	11	3,647.36	11	3,381.05	11	3,022.68	11	2,664.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,499.56	1/4	4,303.73	1/4	4,083.41	1/4	3,863.09	1/4	3,642.77	1/4	3,373.58	1/4	3,015.22	1/4	2,656.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,497.65	1/2	4,299.14	1/2	4,078.82	1/2	3,858.50	1/2	3,638.18	1/2	3,366.11	1/2	3,007.75	1/2	2,649.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,495.74	3/4	4,294.55	3/4	4,074.23	3/4	3,853.91	3/4	3,633.59	3/4	3,358.65	3/4	3,000.28	3/4	2,641.91

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 29161"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30025"

GAUGE HEIGHT 17'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,634.45	0	2,276.08	0	1,917.71	0	1,559.34	0	1,201.48	0	843.71	0	485.44	0	127.16	0		0	
1/4	2,626.98	1/4	2,268.62	1/4	1,910.25	1/4	1,551.88	1/4	1,194.04	1/4	836.25	1/4	477.98	1/4	119.70	1/4		1/4	
1/2	2,619.51	1/2	2,261.15	1/2	1,902.78	1/2	1,544.41	1/2	1,186.59	1/2	828.78	1/2	470.51	1/2	112.24	1/2		1/2	
3/4	2,612.05	3/4	2,253.68	3/4	1,895.31	3/4	1,536.95	3/4	1,179.15	3/4	821.32	3/4	463.05	3/4	104.77	3/4		3/4	
1	2,604.58	1	2,246.22	1	1,887.85	1	1,529.48	1	1,171.70	1	813.85	1	455.58	1	97.31	1		1	
1/4	2,597.12	1/4	2,238.75	1/4	1,880.38	1/4	1,522.02	1/4	1,164.26	1/4	806.39	1/4	448.12	1/4	89.85	1/4		1/4	
1/2	2,589.65	1/2	2,231.28	1/2	1,872.91	1/2	1,514.55	1/2	1,156.82	1/2	798.93	1/2	440.65	1/2	82.38	1/2		1/2	
3/4	2,582.19	3/4	2,223.82	3/4	1,865.45	3/4	1,507.08	3/4	1,149.37	3/4	791.46	3/4	433.19	3/4	74.92	3/4		3/4	
2	2,574.72	2	2,216.35	2	1,857.98	2	1,499.62	2	1,141.93	2	784.00	2	425.72	2	67.45	2		2	
1/4	2,567.26	1/4	2,208.89	1/4	1,850.52	1/4	1,492.15	1/4	1,134.49	1/4	776.54	1/4	418.26	1/4	59.99	1/4		1/4	
1/2	2,559.79	1/2	2,201.42	1/2	1,843.05	1/2	1,484.68	1/2	1,127.04	1/2	769.07	1/2	410.80	1/2	53.46	1/2		1/2	
3/4	2,552.32	3/4	2,193.95	3/4	1,835.59	3/4	1,477.22	3/4	1,119.60	3/4	761.61	3/4	403.33	3/4	46.93	3/4		3/4	
3	2,544.86	3	2,186.49	3	1,828.12	3	1,469.75	3	1,112.15	3	754.14	3	395.87	3	40.40	3		3	
1/4	2,537.39	1/4	2,179.02	1/4	1,820.66	1/4	1,462.29	1/4	1,104.71	1/4	746.68	1/4	388.41	1/4	33.87	1/4		1/4	
1/2	2,529.92	1/2	2,171.55	1/2	1,813.19	1/2	1,454.82	1/2	1,097.27	1/2	739.21	1/2	380.94	1/2	29.20	1/2		1/2	
3/4	2,522.46	3/4	2,164.09	3/4	1,805.72	3/4	1,447.35	3/4	1,089.82	3/4	731.75	3/4	373.48	3/4	24.54	3/4		3/4	
4	2,514.99	4	2,156.62	4	1,798.26	4	1,439.89	4	1,082.38	4	724.28	4	366.01	4	19.87	4		4	
1/4	2,507.53	1/4	2,149.16	1/4	1,790.79	1/4	1,432.42	1/4	1,074.94	1/4	716.82	1/4	358.55	1/4	15.21	1/4		1/4	
1/2	2,500.06	1/2	2,141.69	1/2	1,783.32	1/2	1,424.95	1/2	1,067.49	1/2	709.36	1/2	351.09	1/2		1/2		1/2	
3/4	2,492.59	3/4	2,134.23	3/4	1,775.86	3/4	1,417.49	3/4	1,060.05	3/4	701.89	3/4	343.62	3/4		3/4		3/4	
5	2,485.13	5	2,126.76	5	1,768.39	5	1,410.02	5	1,052.60	5	694.43	5	336.16	5		5		5	
1/4	2,477.66	1/4	2,119.30	1/4	1,760.93	1/4	1,402.56	1/4	1,045.16	1/4	686.97	1/4	328.70	1/4		1/4		1/4	
1/2	2,470.19	1/2	2,111.83	1/2	1,753.46	1/2	1,395.09	1/2	1,037.71	1/2	679.50	1/2	321.23	1/2		1/2		1/2	
3/4	2,462.73	3/4	2,104.36	3/4	1,745.99	3/4	1,387.63	3/4	1,030.27	3/4	672.04	3/4	313.77	3/4		3/4		3/4	
6	2,455.26	6	2,096.90	6	1,738.53	6	1,380.16	6	1,022.82	6	664.57	6	306.30	6		6		6	
1/4	2,447.80	1/4	2,089.43	1/4	1,731.06	1/4	1,372.70	1/4	1,015.38	1/4	657.11	1/4	298.84	1/4		1/4		1/4	
1/2	2,440.33	1/2	2,081.96	1/2	1,723.59	1/2	1,365.25	1/2	1,007.92	1/2	649.65	1/2	291.37	1/2		1/2		1/2	
3/4	2,432.87	3/4	2,074.50	3/4	1,716.13	3/4	1,357.81	3/4	1,000.45	3/4	642.18	3/4	283.91	3/4		3/4		3/4	
7	2,425.40	7	2,067.03	7	1,708.66	7	1,350.36	7	992.99	7	634.72	7	276.44	7		7		7	
1/4	2,417.94	1/4	2,059.57	1/4	1,701.20	1/4	1,342.92	1/4	985.53	1/4	627.26	1/4	268.98	1/4		1/4		1/4	
1/2	2,410.47	1/2	2,052.10	1/2	1,693.73	1/2	1,335.47	1/2	978.06	1/2	619.79	1/2	261.52	1/2		1/2		1/2	
3/4	2,403.00	3/4	2,044.63	3/4	1,686.27	3/4	1,328.03	3/4	970.60	3/4	612.33	3/4	254.05	3/4		3/4		3/4	
8	2,395.54	8	2,037.17	8	1,678.80	8	1,320.58	8	963.13	8	604.86	8	246.59	8		8		8	
1/4	2,388.07	1/4	2,029.70	1/4	1,671.34	1/4	1,313.14	1/4	955.67	1/4	597.40	1/4	239.13	1/4		1/4		1/4	
1/2	2,380.60	1/2	2,022.23	1/2	1,663.87	1/2	1,305.70	1/2	948.21	1/2	589.93	1/2	231.66	1/2		1/2		1/2	
3/4	2,373.14	3/4	2,014.77	3/4	1,656.40	3/4	1,298.25	3/4	940.74	3/4	582.47	3/4	224.20	3/4		3/4		3/4	
9	2,365.67	9	2,007.30	9	1,648.94	9	1,290.81	9	933.28	9	575.00	9	216.73	9		9		9	
1/4	2,358.21	1/4	1,999.84	1/4	1,641.47	1/4	1,283.37	1/4	925.82	1/4	567.54	1/4	209.27	1/4		1/4		1/4	
1/2	2,350.74	1/2	1,992.37	1/2	1,634.00	1/2	1,275.92	1/2	918.35	1/2	560.08	1/2	201.81	1/2		1/2		1/2	
3/4	2,343.27	3/4	1,984.91	3/4	1,626.54	3/4	1,268.48	3/4	910.89	3/4	552.61	3/4	194.34	3/4		3/4		3/4	
10	2,335.81	10	1,977.44	10	1,619.07	10	1,261.03	10	903.42	10	545.15	10	186.88	10		10		10	
1/4	2,328.34	1/4	1,969.98	1/4	1,611.61	1/4	1,253.59	1/4	895.96	1/4	537.69	1/4	179.42	1/4		1/4		1/4	
1/2	2,320.87	1/2	1,962.51	1/2	1,604.14	1/2	1,246.15	1/2	888.49	1/2	530.22	1/2	171.95	1/2		1/2		1/2	
3/4	2,313.41	3/4	1,955.04	3/4	1,596.67	3/4	1,238.70	3/4	881.03	3/4	522.76	3/4	164.49	3/4		3/4		3/4	
11	2,305.94	11	1,947.58	11	1,589.21	11	1,231.26	11	873.56	11	515.29	11	157.02	11		11		11	
1/4	2,298.48	1/4	1,940.11	1/4	1,581.74	1/4	1,223.82	1/4	866.10	1/4	507.83	1/4	149.56	1/4		1/4		1/4	
1/2	2,291.01	1/2	1,932.64	1/2	1,574.27	1/2	1,216.37	1/2	858.64	1/2	500.37	1/2	142.09	1/2		1/2		1/2	
3/4	2,283.55	3/4	1,925.18	3/4	1,566.81	3/4	1,208.93	3/4	851.17	3/4	492.90	3/4	134.63	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/15/2011 INSP
RECALCULATED: 04/12/2022 PMA
NAME CHANGE: 04/13/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 29161"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30025"

GAUGE HEIGHT 17'-03 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,486.57	0	4,276.19	0	4,055.87	0	3,835.55	0	3,615.23	0	3,328.79	0	2,970.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,483.89	1/4	4,271.60	1/4	4,051.28	1/4	3,830.96	1/4	3,610.64	1/4	3,321.32	1/4	2,962.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,481.21	1/2	4,267.01	1/2	4,046.69	1/2	3,826.37	1/2	3,606.05	1/2	3,313.86	1/2	2,955.49		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,477.77	3/4	4,262.42	3/4	4,042.10	3/4	3,821.78	3/4	3,601.46	3/4	3,306.39	3/4	2,948.02		
1		1		1		1	4,474.33	1	4,257.83	1	4,037.51	1	3,817.19	1	3,596.87	1	3,298.92	1	2,940.55		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,470.88	1/4	4,253.24	1/4	4,032.92	1/4	3,812.60	1/4	3,592.28	1/4	3,291.46	1/4	2,933.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,467.44	1/2	4,248.65	1/2	4,028.33	1/2	3,808.01	1/2	3,587.69	1/2	3,283.99	1/2	2,925.62		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,463.23	3/4	4,244.06	3/4	4,023.74	3/4	3,803.42	3/4	3,583.10	3/4	3,276.52	3/4	2,918.15		
2		2		2		2	4,459.03	2	4,239.47	2	4,019.15	2	3,798.83	2	3,578.51	2	3,269.06	2	2,910.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,454.82	1/4	4,234.88	1/4	4,014.56	1/4	3,794.24	1/4	3,573.92	1/4	3,261.59	1/4	2,903.22		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,450.61	1/2	4,230.29	1/2	4,009.97	1/2	3,789.65	1/2	3,569.33	1/2	3,254.13	1/2	2,895.76		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,446.02	3/4	4,225.70	3/4	4,005.38	3/4	3,785.06	3/4	3,564.68	3/4	3,246.66	3/4	2,888.29		
3		3		3		3	4,441.43	3	4,221.11	3	4,000.79	3	3,780.47	3	3,560.04	3	3,239.19	3	2,880.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,436.84	1/4	4,216.52	1/4	3,996.20	1/4	3,775.88	1/4	3,555.39	1/4	3,231.73	1/4	2,873.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,432.25	1/2	4,211.93	1/2	3,991.61	1/2	3,771.29	1/2	3,550.75	1/2	3,224.26	1/2	2,865.90		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,427.66	3/4	4,207.34	3/4	3,987.02	3/4	3,766.70	3/4	3,545.72	3/4	3,216.79	3/4	2,858.43		
4		4		4		4	4,423.07	4	4,202.75	4	3,982.43	4	3,762.11	4	3,540.68	4	3,209.33	4	2,850.96		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,418.48	1/4	4,198.16	1/4	3,977.84	1/4	3,757.52	1/4	3,535.65	1/4	3,201.86	1/4	2,843.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,413.89	1/2	4,193.57	1/2	3,973.25	1/2	3,752.93	1/2	3,530.62	1/2	3,194.40	1/2	2,836.03		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,409.30	3/4	4,188.98	3/4	3,968.66	3/4	3,748.34	3/4	3,525.15	3/4	3,186.93	3/4	2,828.56		
5		5		5		5	4,404.71	5	4,184.39	5	3,964.07	5	3,743.75	5	3,519.67	5	3,179.47	5	2,821.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,400.12	1/4	4,179.80	1/4	3,959.48	1/4	3,739.16	1/4	3,514.20	1/4	3,172.00	1/4	2,813.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,395.53	1/2	4,175.21	1/2	3,954.89	1/2	3,734.57	1/2	3,508.73	1/2	3,164.54	1/2	2,806.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,390.94	3/4	4,170.62	3/4	3,950.30	3/4	3,729.98	3/4	3,502.81	3/4	3,157.07	3/4	2,798.70		
6		6		6		6	4,386.35	6	4,166.03	6	3,945.71	6	3,725.39	6	3,496.89	6	3,149.60	6	2,791.23		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,381.76	1/4	4,161.44	1/4	3,941.12	1/4	3,720.80	1/4	3,490.98	1/4	3,142.14	1/4	2,783.77		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,377.17	1/2	4,156.85	1/2	3,936.53	1/2	3,716.21	1/2	3,485.06	1/2	3,134.67	1/2	2,776.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,372.58	3/4	4,152.26	3/4	3,931.94	3/4	3,711.62	3/4	3,478.70	3/4	3,127.20	3/4	2,768.83		
7		7		7		7	4,367.99	7	4,147.67	7	3,927.35	7	3,707.03	7	3,472.34	7	3,119.74	7	2,761.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,363.40	1/4	4,143.08	1/4	3,922.76	1/4	3,702.44	1/4	3,465.99	1/4	3,112.27	1/4	2,753.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,358.81	1/2	4,138.49	1/2	3,918.17	1/2	3,697.85	1/2	3,459.63	1/2	3,104.81	1/2	2,746.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,354.22	3/4	4,133.90	3/4	3,913.58	3/4	3,693.26	3/4	3,452.83	3/4	3,097.34	3/4	2,738.97		
8		8		8		8	4,349.63	8	4,129.31	8	3,908.99	8	3,688.67	8	3,446.02	8	3,089.87	8	2,731.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,345.04	1/4	4,124.72	1/4	3,904.40	1/4	3,684.08	1/4	3,439.22	1/4	3,082.41	1/4	2,724.04		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,505.68	1/2	4,340.45	1/2	4,120.13	1/2	3,899.81	1/2	3,679.49	1/2	3,432.42	1/2	3,074.94	1/2	2,716.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,505.30	3/4	4,335.86	3/4	4,115.54	3/4	3,895.22	3/4	3,674.90	3/4	3,425.18	3/4	3,067.47	3/4	2,709.11
9		9		9		9	4,504.92	9	4,331.27	9	4,110.95	9	3,890.63	9	3,670.31	9	3,417.93	9	3,060.01	9	2,701.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,504.53	1/4	4,326.68	1/4	4,106.36	1/4	3,886.04	1/4	3,665.72	1/4	3,410.69	1/4	3,052.54	1/4	2,694.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,504.15	1/2	4,322.09	1/2	4,101.77	1/2	3,881.45	1/2	3,661.13	1/2	3,403.45	1/2	3,045.08	1/2	2,686.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,503.00	3/4	4,317.50	3/4	4,097.18	3/4	3,876.86	3/4	3,656.54	3/4	3,395.98	3/4	3,037.61	3/4	2,679.24
10		10		10		10	4,501.86	10	4,312.91	10	4,092.59	10	3,872.27	10	3,651.95	10	3,388.51	10	3,030.15	10	2,671.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,500.71	1/4	4,308.32	1/4	4,088.00	1/4	3,867.68	1/4	3,647.36	1/4	3,381.05	1/4	3,022.68	1/4	2,664.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,499.56	1/2	4,303.73	1/2	4,083.41	1/2	3,863.09	1/2	3,642.77	1/2	3,373.58	1/2	3,015.22	1/2	2,656.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,497.65	3/4	4,299.14	3/4	4,078.82	3/4	3,858.50	3/4	3,638.18	3/4	3,366.11	3/4	3,007.75	3/4	2,649.38
11		11		11		11	4,495.74	11	4,294.55	11	4,074.23	11	3,853.91	11	3,633.59	11	3,358.65	11	3,000.28	11	2,641.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,493.83	1/4	4,289.96	1/4	4,069.64	1/4	3,849.32	1/4	3,629.00	1/4	3,351.18	1/4	2,992.82	1/4	2,634.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,491.92	1/2	4,285.37	1/2	4,065.05	1/2	3,844.73	1/2	3,624.41	1/2	3,343.72	1/2	2,985.35	1/2	2,626.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,489.24	3/4	4,280.78	3/4	4,060.46	3/4	3,840.14	3/4	3,619.82	3/4	3,336.25	3/4	2,977.88	3/4	2,619.51

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 29161"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30025"

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,612.05	0	2,253.68	0	1,895.31	0	1,536.95	0	1,179.15	0	821.32	0	463.05	0	104.77	0		0	
1/4	2,604.58	1/4	2,246.22	1/4	1,887.85	1/4	1,529.48	1/4	1,171.70	1/4	813.85	1/4	455.58	1/4	97.31	1/4		1/4	
1/2	2,597.12	1/2	2,238.75	1/2	1,880.38	1/2	1,522.02	1/2	1,164.26	1/2	806.39	1/2	448.12	1/2	89.85	1/2		1/2	
3/4	2,589.65	3/4	2,231.28	3/4	1,872.91	3/4	1,514.55	3/4	1,156.82	3/4	798.93	3/4	440.65	3/4	82.38	3/4		3/4	
1	2,582.19	1	2,223.82	1	1,865.45	1	1,507.08	1	1,149.37	1	791.46	1	433.19	1	74.92	1		1	
1/4	2,574.72	1/4	2,216.35	1/4	1,857.98	1/4	1,499.62	1/4	1,141.93	1/4	784.00	1/4	425.72	1/4	67.45	1/4		1/4	
1/2	2,567.26	1/2	2,208.89	1/2	1,850.52	1/2	1,492.15	1/2	1,134.49	1/2	776.54	1/2	418.26	1/2	59.99	1/2		1/2	
3/4	2,559.79	3/4	2,201.42	3/4	1,843.05	3/4	1,484.68	3/4	1,127.04	3/4	769.07	3/4	410.80	3/4	53.46	3/4		3/4	
2	2,552.32	2	2,193.95	2	1,835.59	2	1,477.22	2	1,119.60	2	761.61	2	403.33	2	46.93	2		2	
1/4	2,544.86	1/4	2,186.49	1/4	1,828.12	1/4	1,469.75	1/4	1,112.15	1/4	754.14	1/4	395.87	1/4	40.40	1/4		1/4	
1/2	2,537.39	1/2	2,179.02	1/2	1,820.66	1/2	1,462.29	1/2	1,104.71	1/2	746.68	1/2	388.41	1/2	33.87	1/2		1/2	
3/4	2,529.92	3/4	2,171.55	3/4	1,813.19	3/4	1,454.82	3/4	1,097.27	3/4	739.21	3/4	380.94	3/4	29.20	3/4		3/4	
3	2,522.46	3	2,164.09	3	1,805.72	3	1,447.35	3	1,089.82	3	731.75	3	373.48	3	24.54	3		3	
1/4	2,514.99	1/4	2,156.62	1/4	1,798.26	1/4	1,439.89	1/4	1,082.38	1/4	724.28	1/4	366.01	1/4	19.87	1/4		1/4	
1/2	2,507.53	1/2	2,149.16	1/2	1,790.79	1/2	1,432.42	1/2	1,074.94	1/2	716.82	1/2	358.55	1/2	15.21	1/2		1/2	
3/4	2,500.06	3/4	2,141.69	3/4	1,783.32	3/4	1,424.95	3/4	1,067.49	3/4	709.36	3/4	351.09	3/4		3/4		3/4	
4	2,492.59	4	2,134.23	4	1,775.86	4	1,417.49	4	1,060.05	4	701.89	4	343.62	4		4		4	
1/4	2,485.13	1/4	2,126.76	1/4	1,768.39	1/4	1,410.02	1/4	1,052.60	1/4	694.43	1/4	336.16	1/4		1/4		1/4	
1/2	2,477.66	1/2	2,119.30	1/2	1,760.93	1/2	1,402.56	1/2	1,045.16	1/2	686.97	1/2	328.70	1/2		1/2		1/2	
3/4	2,470.19	3/4	2,111.83	3/4	1,753.46	3/4	1,395.09	3/4	1,037.71	3/4	679.50	3/4	321.23	3/4		3/4		3/4	
5	2,462.73	5	2,104.36	5	1,745.99	5	1,387.63	5	1,030.27	5	672.04	5	313.77	5		5		5	
1/4	2,455.26	1/4	2,096.90	1/4	1,738.53	1/4	1,380.16	1/4	1,022.82	1/4	664.57	1/4	306.30	1/4		1/4		1/4	
1/2	2,447.80	1/2	2,089.43	1/2	1,731.06	1/2	1,372.70	1/2	1,015.38	1/2	657.11	1/2	298.84	1/2		1/2		1/2	
3/4	2,440.33	3/4	2,081.96	3/4	1,723.59	3/4	1,365.25	3/4	1,007.92	3/4	649.65	3/4	291.37	3/4		3/4		3/4	
6	2,432.87	6	2,074.50	6	1,716.13	6	1,357.81	6	1,000.45	6	642.18	6	283.91	6		6		6	
1/4	2,425.40	1/4	2,067.03	1/4	1,708.66	1/4	1,350.36	1/4	992.99	1/4	634.72	1/4	276.44	1/4		1/4		1/4	
1/2	2,417.94	1/2	2,059.57	1/2	1,701.20	1/2	1,342.92	1/2	985.53	1/2	627.26	1/2	268.98	1/2		1/2		1/2	
3/4	2,410.47	3/4	2,052.10	3/4	1,693.73	3/4	1,335.47	3/4	978.06	3/4	619.79	3/4	261.52	3/4		3/4		3/4	
7	2,403.00	7	2,044.63	7	1,686.27	7	1,328.03	7	970.60	7	612.33	7	254.05	7		7		7	
1/4	2,395.54	1/4	2,037.17	1/4	1,678.80	1/4	1,320.58	1/4	963.13	1/4	604.86	1/4	246.59	1/4		1/4		1/4	
1/2	2,388.07	1/2	2,029.70	1/2	1,671.34	1/2	1,313.14	1/2	955.67	1/2	597.40	1/2	239.13	1/2		1/2		1/2	
3/4	2,380.60	3/4	2,022.23	3/4	1,663.87	3/4	1,305.70	3/4	948.21	3/4	589.93	3/4	231.66	3/4		3/4		3/4	
8	2,373.14	8	2,014.77	8	1,656.40	8	1,298.25	8	940.74	8	582.47	8	224.20	8		8		8	
1/4	2,365.67	1/4	2,007.30	1/4	1,648.94	1/4	1,290.81	1/4	933.28	1/4	575.00	1/4	216.73	1/4		1/4		1/4	
1/2	2,358.21	1/2	1,999.84	1/2	1,641.47	1/2	1,283.37	1/2	925.82	1/2	567.54	1/2	209.27	1/2		1/2		1/2	
3/4	2,350.74	3/4	1,992.37	3/4	1,634.00	3/4	1,275.92	3/4	918.35	3/4	560.08	3/4	201.81	3/4		3/4		3/4	
9	2,343.27	9	1,984.91	9	1,626.54	9	1,268.48	9	910.89	9	552.61	9	194.34	9		9		9	
1/4	2,335.81	1/4	1,977.44	1/4	1,619.07	1/4	1,261.03	1/4	903.42	1/4	545.15	1/4	186.88	1/4		1/4		1/4	
1/2	2,328.34	1/2	1,969.98	1/2	1,611.61	1/2	1,253.59	1/2	895.96	1/2	537.69	1/2	179.42	1/2		1/2		1/2	
3/4	2,320.87	3/4	1,962.51	3/4	1,604.14	3/4	1,246.15	3/4	888.49	3/4	530.22	3/4	171.95	3/4		3/4		3/4	
10	2,313.41	10	1,955.04	10	1,596.67	10	1,238.70	10	881.03	10	522.76	10	164.49	10		10		10	
1/4	2,305.94	1/4	1,947.58	1/4	1,589.21	1/4	1,231.26	1/4	873.56	1/4	515.29	1/4	157.02	1/4		1/4		1/4	
1/2	2,298.48	1/2	1,940.11	1/2	1,581.74	1/2	1,223.82	1/2	866.10	1/2	507.83	1/2	149.56	1/2		1/2		1/2	
3/4	2,291.01	3/4	1,932.64	3/4	1,574.27	3/4	1,216.37	3/4	858.64	3/4	500.37	3/4	142.09	3/4		3/4		3/4	
11	2,283.55	11	1,925.18	11	1,566.81	11	1,208.93	11	851.17	11	492.90	11	134.63	11		11		11	
1/4	2,276.08	1/4	1,917.71	1/4	1,559.34	1/4	1,201.48	1/4	843.71	1/4	485.44	1/4	127.16	1/4		1/4		1/4	
1/2	2,268.62	1/2	1,910.25	1/2	1,551.88	1/2	1,194.04	1/2	836.25	1/2	477.98	1/2	119.70	1/2		1/2		1/2	
3/4	2,261.15	3/4	1,902.78	3/4	1,544.41	3/4	1,186.59	3/4	828.78	3/4	470.51	3/4	112.24	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/15/2011 INSP
RECALCULATED: 04/12/2022 PMA
NAME CHANGE: 04/13/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2022

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



BARGE "KIRBY 29161"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMS 30025"

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	
1/4	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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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 AT GAUGE POINT.

STRAPPED: 08/15/2011 INSP.
RECALCULATED: 04/12/2022 PMA
NAME CHANGE: 04/13/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 29161"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30025"

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	430	0	1,014	0	1,630	0	2,191	0		0		0		0		0	
1/4	5	1/4	442	1/4	1,027	1/4	1,642	1/4	2,202	1/4		1/4		1/4		1/4		1/4	
1/2	11	1/2	453	1/2	1,040	1/2	1,655	1/2	2,212	1/2		1/2		1/2		1/2		1/2	
3/4	16	3/4	464	3/4	1,053	3/4	1,667	3/4	2,222	3/4		3/4		3/4		3/4		3/4	
1	21	1	475	1	1,065	1	1,680	1	2,232	1		1		1		1		1	
1/4	28	1/4	487	1/4	1,078	1/4	1,692	1/4	2,242	1/4		1/4		1/4		1/4		1/4	
1/2	35	1/2	498	1/2	1,091	1/2	1,705	1/2	2,252	1/2		1/2		1/2		1/2		1/2	
3/4	41	3/4	510	3/4	1,104	3/4	1,717	3/4	2,262	3/4		3/4		3/4		3/4		3/4	
2	48	2	522	2	1,117	2	1,729	2	2,272	2		2		2		2		2	
1/4	55	1/4	533	1/4	1,130	1/4	1,742	1/4	2,282	1/4		1/4		1/4		1/4		1/4	
1/2	63	1/2	545	1/2	1,143	1/2	1,754	1/2	2,291	1/2		1/2		1/2		1/2		1/2	
3/4	70	3/4	557	3/4	1,156	3/4	1,766	3/4	2,301	3/4		3/4		3/4		3/4		3/4	
3	78	3	568	3	1,168	3	1,779	3	2,310	3		3		3		3		3	
1/4	86	1/4	580	1/4	1,181	1/4	1,791	1/4	2,319	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	592	1/2	1,194	1/2	1,803	1/2	2,328	1/2		1/2		1/2		1/2		1/2	
3/4	102	3/4	604	3/4	1,207	3/4	1,815	3/4	2,338	3/4		3/4		3/4		3/4		3/4	
4	110	4	616	4	1,220	4	1,827	4	2,347	4		4		4		4		4	
1/4	119	1/4	628	1/4	1,233	1/4	1,839	1/4	2,355	1/4		1/4		1/4		1/4		1/4	
1/2	128	1/2	640	1/2	1,246	1/2	1,852	1/2	2,364	1/2		1/2		1/2		1/2		1/2	
3/4	136	3/4	652	3/4	1,259	3/4	1,864	3/4	2,373	3/4		3/4		3/4		3/4		3/4	
5	145	5	664	5	1,272	5	1,876	5	2,381	5		5		5		5		5	
1/4	154	1/4	676	1/4	1,284	1/4	1,887	1/4	2,390	1/4		1/4		1/4		1/4		1/4	
1/2	163	1/2	689	1/2	1,297	1/2	1,899	1/2	2,398	1/2		1/2		1/2		1/2		1/2	
3/4	172	3/4	701	3/4	1,310	3/4	1,911	3/4	2,406	3/4		3/4		3/4		3/4		3/4	
6	181	6	713	6	1,323	6	1,923	6	2,414	6		6		6		6		6	
1/4	191	1/4	725	1/4	1,336	1/4	1,935	1/4	2,421	1/4		1/4		1/4		1/4		1/4	
1/2	200	1/2	738	1/2	1,349	1/2	1,947	1/2	2,429	1/2		1/2		1/2		1/2		1/2	
3/4	210	3/4	750	3/4	1,362	3/4	1,958	3/4	2,436	3/4		3/4		3/4		3/4		3/4	
7	220	7	762	7	1,375	7	1,970	7	2,444	7		7		7		7		7	
1/4	229	1/4	775	1/4	1,388	1/4	1,982	1/4	2,450	1/4		1/4		1/4		1/4		1/4	
1/2	239	1/2	787	1/2	1,400	1/2	1,993	1/2	2,457	1/2		1/2		1/2		1/2		1/2	
3/4	249	3/4	799	3/4	1,413	3/4	2,005	3/4	2,464	3/4		3/4		3/4		3/4		3/4	
8	259	8	812	8	1,426	8	2,016	8	2,470	8		8		8		8		8	
1/4	270	1/4	824	1/4	1,439	1/4	2,027	1/4	2,476	1/4		1/4		1/4		1/4		1/4	
1/2	280	1/2	837	1/2	1,452	1/2	2,039	1/2	2,481	1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	849	3/4	1,464	3/4	2,050	3/4	2,486	3/4		3/4		3/4		3/4		3/4	
9	300	9	862	9	1,477	9	2,061	9	2,492	9		9		9		9		9	
1/4	311	1/4	875	1/4	1,490	1/4	2,072	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	321	1/2	887	1/2	1,503	1/2	2,084	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	332	3/4	900	3/4	1,516	3/4	2,095	3/4		3/4		3/4		3/4		3/4		3/4	
10	343	10	912	10	1,528	10	2,106	10		10		10		10		10		10	
1/4	353	1/4	925	1/4	1,541	1/4	2,117	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	364	1/2	938	1/2	1,554	1/2	2,127	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	375	3/4	951	3/4	1,566	3/4	2,138	3/4		3/4		3/4		3/4		3/4		3/4	
11	386	11	963	11	1,579	11	2,149	11		11		11		11		11		11	
1/4	397	1/4	976	1/4	1,592	1/4	2,160	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	408	1/2	989	1/2	1,604	1/2	2,170	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	419	3/4	1,002	3/4	1,617	3/4	2,181	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.

STRAPPED: 08/15/2011 INSP.
RECALCULATED: 04/12/2022 PMA
NAME CHANGE: 04/12/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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