



BARGE "KIRBY 10142"

ULLAGE TRIM TABLE
FORMERLY "SMS 214"

	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 CENTER	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 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8
3 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS - 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 159'-09"

March 27, 2023

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

<http://www.pmacorp.net>



BARGE "KIRBY 10142"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 214"

GAUGE HEIGHT 15'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,506.28	0	3,207.40	0	2,911.56	0	2,615.93	0	2,322.42	0	2,031.87	0	1,744.29
1/4		1/4		1/4		1/4	3,500.01	1/4	3,201.20	1/4	2,905.43	1/4	2,609.78	1/4	2,316.33	1/4	2,025.84	1/4	1,738.33
1/2		1/2		1/2		1/2	3,493.74	1/2	3,195.00	1/2	2,899.29	1/2	2,603.63	1/2	2,310.24	1/2	2,019.81	1/2	1,732.37
3/4		3/4		3/4		3/4	3,487.47	3/4	3,188.80	3/4	2,893.15	3/4	2,597.48	3/4	2,304.15	3/4	2,013.79	3/4	1,726.40
1		1		1		1	3,481.20	1	3,182.60	1	2,887.02	1	2,591.33	1	2,298.07	1	2,007.76	1	1,720.44
1/4		1/4		1/4		1/4	3,474.93	1/4	3,176.40	1/4	2,880.88	1/4	2,585.18	1/4	2,291.98	1/4	2,001.74	1/4	1,714.48
1/2		1/2		1/2		1/2	3,468.66	1/2	3,170.20	1/2	2,874.74	1/2	2,579.03	1/2	2,285.89	1/2	1,995.71	1/2	1,708.51
3/4		3/4		3/4		3/4	3,462.39	3/4	3,164.01	3/4	2,868.61	3/4	2,572.88	3/4	2,279.80	3/4	1,989.69	3/4	1,702.55
2		2		2		2	3,456.11	2	3,157.81	2	2,862.47	2	2,566.73	2	2,273.72	2	1,983.66	2	1,696.58
1/4		1/4		1/4		1/4	3,449.84	1/4	3,151.61	1/4	2,856.34	1/4	2,560.58	1/4	2,267.63	1/4	1,977.64	1/4	1,690.62
1/2		1/2		1/2		1/2	3,443.58	1/2	3,145.41	1/2	2,850.16	1/2	2,554.43	1/2	2,261.54	1/2	1,971.61	1/2	1,684.65
3/4		3/4		3/4		3/4	3,437.32	3/4	3,139.22	3/4	2,843.99	3/4	2,548.28	3/4	2,255.45	3/4	1,965.58	3/4	1,678.69
3		3		3		3	3,431.05	3	3,133.02	3	2,837.81	3	2,542.14	3	2,249.37	3	1,959.56	3	1,672.72
1/4		1/4		1/4		1/4	3,424.79	1/4	3,126.82	1/4	2,831.64	1/4	2,535.99	1/4	2,243.28	1/4	1,953.53	1/4	1,666.76
1/2		1/2		1/2		1/2	3,418.53	1/2	3,120.62	1/2	2,825.43	1/2	2,529.84	1/2	2,237.19	1/2	1,947.50	1/2	1,660.80
3/4		3/4		3/4		3/4	3,412.28	3/4	3,114.43	3/4	2,819.22	3/4	2,523.69	3/4	2,231.10	3/4	1,941.48	3/4	1,654.83
4		4		4		4	3,406.02	4	3,108.23	4	2,813.01	4	2,517.54	4	2,225.01	4	1,935.45	4	1,648.87
1/4		1/4		1/4		1/4	3,399.76	1/4	3,102.03	1/4	2,806.80	1/4	2,511.39	1/4	2,218.92	1/4	1,929.43	1/4	1,642.91
1/2		1/2		1/2		1/2	3,393.51	1/2	3,095.83	1/2	2,800.59	1/2	2,505.24	1/2	2,212.83	1/2	1,923.40	1/2	1,636.94
3/4		3/4		3/4		3/4	3,387.25	3/4	3,089.63	3/4	2,794.37	3/4	2,499.09	3/4	2,206.74	3/4	1,917.37	3/4	1,630.98
5		5		5		5	3,381.00	5	3,083.44	5	2,788.16	5	2,492.95	5	2,200.66	5	1,911.35	5	1,625.01
1/4		1/4		1/4		1/4	3,374.74	1/4	3,077.24	1/4	2,781.95	1/4	2,486.80	1/4	2,194.57	1/4	1,905.32	1/4	1,619.05
1/2		1/2		1/2		1/2	3,368.54	1/2	3,071.10	1/2	2,775.80	1/2	2,480.71	1/2	2,188.54	1/2	1,899.36	1/2	1,613.15
3/4		3/4		3/4		3/4	3,362.35	3/4	3,064.96	3/4	2,769.65	3/4	2,474.62	3/4	2,182.52	3/4	1,893.39	3/4	1,607.24
6		6		6		6	3,356.15	6	3,058.83	6	2,763.50	6	2,468.53	6	2,176.49	6	1,887.43	6	1,601.34
1/4		1/4		1/4		1/4	3,349.95	1/4	3,052.69	1/4	2,757.35	1/4	2,462.44	1/4	2,170.47	1/4	1,881.47	1/4	1,595.44
1/2		1/2		1/2		1/2	3,343.75	1/2	3,046.56	1/2	2,751.20	1/2	2,456.35	1/2	2,164.45	1/2	1,875.50	1/2	1,589.54
3/4		3/4		3/4		3/4	3,615.73	3/4	3,337.56	3/4	3,040.43	3/4	2,745.05	3/4	2,450.26	3/4	2,158.42	3/4	1,869.54
7		7		7		7	3,613.63	7	3,331.36	7	3,034.31	7	2,738.91	7	2,444.18	7	2,152.40	7	1,863.57
1/4		1/4		1/4		1/4	3,611.53	1/4	3,325.16	1/4	3,028.18	1/4	2,732.76	1/4	2,438.09	1/4	2,146.38	1/4	1,857.61
1/2		1/2		1/2		1/2	3,608.04	1/2	3,318.96	1/2	3,022.03	1/2	2,726.61	1/2	2,432.00	1/2	2,140.35	1/2	1,851.65
3/4		3/4		3/4		3/4	3,604.55	3/4	3,312.76	3/4	3,015.89	3/4	2,720.46	3/4	2,425.91	3/4	2,134.32	3/4	1,845.68
8		8		8		8	3,601.06	8	3,306.56	8	3,009.74	8	2,714.31	8	2,419.83	8	2,128.29	8	1,839.72
1/4		1/4		1/4		1/4	3,597.57	1/4	3,300.36	1/4	3,003.60	1/4	2,708.16	1/4	2,413.74	1/4	2,122.26	1/4	1,833.76
1/2		1/2		1/2		1/2	3,591.99	1/2	3,294.16	1/2	2,997.46	1/2	2,702.01	1/2	2,407.65	1/2	2,116.23	1/2	1,827.79
3/4		3/4		3/4		3/4	3,586.42	3/4	3,287.97	3/4	2,991.33	3/4	2,695.86	3/4	2,401.56	3/4	2,110.21	3/4	1,821.83
9		9		9		9	3,580.84	9	3,281.77	9	2,985.19	9	2,689.71	9	2,395.48	9	2,104.18	9	1,815.86
1/4		1/4		1/4		1/4	3,575.26	1/4	3,275.57	1/4	2,979.06	1/4	2,683.56	1/4	2,389.39	1/4	2,098.16	1/4	1,809.90
1/2		1/2		1/2		1/2	3,568.99	1/2	3,269.37	1/2	2,972.92	1/2	2,677.41	1/2	2,383.30	1/2	2,092.13	1/2	1,803.93
3/4		3/4		3/4		3/4	3,562.72	3/4	3,263.18	3/4	2,966.79	3/4	2,671.26	3/4	2,377.21	3/4	2,086.10	3/4	1,797.97
10		10		10		10	3,556.45	10	3,256.98	10	2,960.65	10	2,665.12	10	2,371.13	10	2,080.08	10	1,792.00
1/4		1/4		1/4		1/4	3,550.18	1/4	3,250.78	1/4	2,954.52	1/4	2,658.97	1/4	2,365.04	1/4	2,074.05	1/4	1,786.04
1/2		1/2		1/2		1/2	3,543.91	1/2	3,244.58	1/2	2,948.38	1/2	2,652.82	1/2	2,358.95	1/2	2,068.02	1/2	1,780.08
3/4		3/4		3/4		3/4	3,537.64	3/4	3,238.39	3/4	2,942.24	3/4	2,646.67	3/4	2,352.86	3/4	2,062.00	3/4	1,774.11
11		11		11		11	3,531.36	11	3,232.19	11	2,936.11	11	2,640.52	11	2,346.77	11	2,055.97	11	1,768.15
1/4		1/4		1/4		1/4	3,525.09	1/4	3,225.99	1/4	2,929.97	1/4	2,634.37	1/4	2,340.68	1/4	2,049.95	1/4	1,762.19
1/2		1/2		1/2		1/2	3,518.82	1/2	3,219.79	1/2	2,923.83	1/2	2,628.22	1/2	2,334.59	1/2	2,043.92	1/2	1,756.22
3/4		3/4		3/4		3/4	3,512.55	3/4	3,213.60	3/4	2,917.70	3/4	2,622.07	3/4	2,328.50	3/4	2,037.89	3/4	1,750.26

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 32'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 10142"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 214"

GAUGE HEIGHT 15'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,459.67	0	1,178.03	0	899.38	0	623.69	0	351.11	0	81.45	0		0		0		0	
1/4	1,453.77	1/4	1,172.19	1/4	893.60	1/4	617.97	1/4	345.46	1/4	75.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,447.87	1/2	1,166.35	1/2	887.82	1/2	612.25	1/2	339.81	1/2	70.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,441.96	3/4	1,160.51	3/4	882.04	3/4	606.53	3/4	334.16	3/4	64.67	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,436.06	1	1,154.67	1	876.27	1	600.82	1	328.51	1	59.08	1		1		1		1	
1/4	1,430.16	1/4	1,148.83	1/4	870.49	1/4	595.10	1/4	322.86	1/4	53.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,424.25	1/2	1,142.99	1/2	864.71	1/2	589.38	1/2	317.21	1/2	47.95	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,418.35	3/4	1,137.15	3/4	858.93	3/4	583.66	3/4	311.56	3/4	42.41	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,412.44	2	1,131.31	2	853.16	2	577.95	2	305.92	2	36.87	2		2		2		2	
1/4	1,406.54	1/4	1,125.47	1/4	847.38	1/4	572.23	1/4	300.27	1/4	31.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,400.64	1/2	1,119.63	1/2	841.60	1/2	566.51	1/2	294.62	1/2	27.02	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,394.73	3/4	1,113.79	3/4	835.82	3/4	560.79	3/4	288.97	3/4	22.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,388.83	3	1,107.95	3	830.05	3	555.08	3	283.33	3	18.41	3		3		3		3	
1/4	1,382.93	1/4	1,102.11	1/4	824.27	1/4	549.36	1/4	277.68	1/4	14.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,377.03	1/2	1,096.27	1/2	818.49	1/2	543.64	1/2	272.03	1/2	11.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,371.12	3/4	1,090.43	3/4	812.71	3/4	537.93	3/4	266.38	3/4	8.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,365.22	4	1,084.59	4	806.94	4	532.21	4	260.74	4	6.31	4		4		4		4	
1/4	1,359.32	1/4	1,078.75	1/4	801.16	1/4	526.50	1/4	255.09	1/4	3.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,353.42	1/2	1,072.91	1/2	795.38	1/2	520.78	1/2	249.43	1/2	2.82	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,347.51	3/4	1,067.07	3/4	789.60	3/4	515.06	3/4	243.78	3/4	1.93	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,341.61	5	1,061.23	5	783.82	5	509.35	5	238.12	5	1.05	5		5		5		5	
1/4	1,335.71	1/4	1,055.39	1/4	778.04	1/4	503.63	1/4	232.47	1/4	0.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,329.87	1/2	1,049.61	1/2	772.32	1/2	497.97	1/2	226.88	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,324.03	3/4	1,043.83	3/4	766.61	3/4	492.32	3/4	221.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,318.19	6	1,038.06	6	760.89	6	486.66	6	215.69	6		6		6		6		6	
1/4	1,312.35	1/4	1,032.28	1/4	755.18	1/4	481.01	1/4	210.10	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,306.51	1/2	1,026.50	1/2	749.46	1/2	475.36	1/2	204.50	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,300.67	3/4	1,020.72	3/4	743.74	3/4	469.71	3/4	198.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,294.83	7	1,014.94	7	738.03	7	464.07	7	193.31	7		7		7		7		7	
1/4	1,288.99	1/4	1,009.16	1/4	732.31	1/4	458.42	1/4	187.72	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,283.15	1/2	1,003.38	1/2	726.59	1/2	452.77	1/2	182.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,277.31	3/4	997.60	3/4	720.87	3/4	447.12	3/4	176.53	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,271.47	8	991.83	8	715.16	8	441.47	8	170.94	8		8		8		8		8	
1/4	1,265.63	1/4	986.05	1/4	709.44	1/4	435.82	1/4	165.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,259.79	1/2	980.27	1/2	703.72	1/2	430.17	1/2	159.76	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,253.95	3/4	974.49	3/4	698.00	3/4	424.52	3/4	154.16	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,248.11	9	968.72	9	692.29	9	418.88	9	148.57	9		9		9		9		9	
1/4	1,242.27	1/4	962.94	1/4	686.57	1/4	413.23	1/4	142.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,236.43	1/2	957.16	1/2	680.85	1/2	407.58	1/2	137.36	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,230.59	3/4	951.38	3/4	675.13	3/4	401.93	3/4	131.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,224.75	10	945.61	10	669.42	10	396.29	10	126.13	10		10		10		10		10	
1/4	1,218.91	1/4	939.83	1/4	663.70	1/4	390.64	1/4	120.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,213.07	1/2	934.05	1/2	657.98	1/2	384.99	1/2	114.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,207.23	3/4	928.27	3/4	652.27	3/4	379.34	3/4	109.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,201.39	11	922.50	11	646.55	11	373.70	11	103.81	11		11		11		11		11	
1/4	1,195.55	1/4	916.72	1/4	640.84	1/4	368.05	1/4	98.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,189.71	1/2	910.94	1/2	635.12	1/2	362.40	1/2	92.64	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,183.87	3/4	905.16	3/4	629.40	3/4	356.75	3/4	87.05	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: 07/22/1999 INS
RECALCULATED: 03/27/2023 CL
REPRINTED: 03/27/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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





BARGE "KIRBY 10142"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 214"

GAUGE HEIGHT 15'-05 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	3,280.21	0	3,016.70	0	2,753.37	0	2,487.34	0	2,220.42	0	1,953.49	0	1,686.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,274.71	1/4	3,011.22	1/4	2,747.89	1/4	2,481.78	1/4	2,214.86	1/4	1,947.93	1/4	1,681.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,269.21	1/2	3,005.73	1/2	2,742.40	1/2	2,476.22	1/2	2,209.30	1/2	1,942.37	1/2	1,675.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,263.71	3/4	3,000.25	3/4	2,736.91	3/4	2,470.66	3/4	2,203.74	3/4	1,936.81	3/4	1,669.88		
1	1	1	1	1	1	1	3,258.21	1	2,994.76	1	2,731.43	1	2,465.10	1	2,198.17	1	1,931.24	1	1,664.32		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,252.70	1/4	2,989.28	1/4	2,725.94	1/4	2,459.54	1/4	2,192.61	1/4	1,925.68	1/4	1,658.76		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,247.20	1/2	2,983.79	1/2	2,720.46	1/2	2,453.98	1/2	2,187.05	1/2	1,920.12	1/2	1,653.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,241.70	3/4	2,978.30	3/4	2,714.97	3/4	2,448.42	3/4	2,181.49	3/4	1,914.56	3/4	1,647.64		
2	2	2	2	2	2	2	3,236.20	2	2,972.82	2	2,709.48	2	2,442.86	2	2,175.93	2	1,909.00	2	1,642.07		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,230.70	1/4	2,967.33	1/4	2,704.00	1/4	2,437.30	1/4	2,170.37	1/4	1,903.44	1/4	1,636.51		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,225.20	1/2	2,961.84	1/2	2,698.51	1/2	2,431.74	1/2	2,164.81	1/2	1,897.88	1/2	1,630.95		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,219.71	3/4	2,956.35	3/4	2,692.99	3/4	2,426.18	3/4	2,159.25	3/4	1,892.32	3/4	1,625.39		
3	3	3	3	3	3	3	3,214.22	3	2,950.87	3	2,687.46	3	2,420.61	3	2,153.68	3	1,886.76	3	1,619.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,208.72	1/4	2,945.38	1/4	2,681.94	1/4	2,415.05	1/4	2,148.12	1/4	1,881.20	1/4	1,614.27		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,203.23	1/2	2,939.90	1/2	2,676.42	1/2	2,409.49	1/2	2,142.56	1/2	1,875.64	1/2	1,608.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,197.74	3/4	2,934.41	3/4	2,670.86	3/4	2,403.93	3/4	2,137.00	3/4	1,870.08	3/4	1,603.15		
4	4	4	4	4	4	4	3,192.26	4	2,928.92	4	2,665.30	4	2,398.37	4	2,131.44	4	1,864.51	4	1,597.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,186.77	1/4	2,923.44	1/4	2,659.74	1/4	2,392.81	1/4	2,125.88	1/4	1,858.95	1/4	1,592.02		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,181.28	1/2	2,917.95	1/2	2,654.18	1/2	2,387.25	1/2	2,120.32	1/2	1,853.39	1/2	1,586.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,175.80	3/4	2,912.46	3/4	2,648.62	3/4	2,381.69	3/4	2,114.76	3/4	1,847.83	3/4	1,580.90		
5	5	5	5	5	5	5	3,170.31	5	2,906.98	5	2,643.05	5	2,376.12	5	2,109.20	5	1,842.27	5	1,575.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,164.83	1/4	2,901.49	1/4	2,637.49	1/4	2,370.56	1/4	2,103.64	1/4	1,836.71	1/4	1,569.78		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,159.34	1/2	2,896.01	1/2	2,631.93	1/2	2,365.00	1/2	2,098.08	1/2	1,831.15	1/2	1,564.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,153.85	3/4	2,890.52	3/4	2,626.37	3/4	2,359.44	3/4	2,092.52	3/4	1,825.59	3/4	1,558.66		
6	6	6	6	6	6	6	3,148.37	6	2,885.04	6	2,620.81	6	2,353.88	6	2,086.95	6	1,820.02	6	1,553.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,142.88	1/4	2,879.55	1/4	2,615.25	1/4	2,348.32	1/4	2,081.39	1/4	1,814.46	1/4	1,547.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,137.39	1/2	2,874.07	1/2	2,609.69	1/2	2,342.76	1/2	2,075.83	1/2	1,808.90	1/2	1,541.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,131.91	3/4	2,868.58	3/4	2,604.13	3/4	2,337.20	3/4	2,070.27	3/4	1,803.34	3/4	1,536.42		
7	7	7	7	7	7	7	3,367.99	7	3,126.42	7	2,863.09	7	2,598.56	7	2,331.64	7	2,064.71	7	1,797.78	7	1,530.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,366.66	1/4	3,120.94	1/4	2,857.61	1/4	2,593.00	1/4	2,326.08	1/4	2,059.15	1/4	1,792.22	1/4	1,525.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,365.33	1/2	3,115.45	1/2	2,852.12	1/2	2,587.44	1/2	2,320.52	1/2	2,053.59	1/2	1,786.66	1/2	1,519.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,362.61	3/4	3,109.97	3/4	2,846.63	3/4	2,581.88	3/4	2,314.96	3/4	2,048.03	3/4	1,781.10	3/4	1,514.17
8	8	8	8	8	8	8	3,359.89	8	3,104.48	8	2,841.15	8	2,576.32	8	2,309.39	8	2,042.46	8	1,775.54	8	1,508.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,357.17	1/4	3,099.00	1/4	2,835.66	1/4	2,570.76	1/4	2,303.83	1/4	2,036.90	1/4	1,769.98	1/4	1,503.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,354.45	1/2	3,093.51	1/2	2,830.18	1/2	2,565.20	1/2	2,298.27	1/2	2,031.34	1/2	1,764.42	1/2	1,497.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,349.64	3/4	3,088.02	3/4	2,824.69	3/4	2,559.64	3/4	2,292.71	3/4	2,025.78	3/4	1,758.86	3/4	1,491.93
9	9	9	9	9	9	9	3,344.84	9	3,082.54	9	2,819.20	9	2,554.08	9	2,287.15	9	2,020.22	9	1,753.29	9	1,486.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,340.03	1/4	3,077.05	1/4	2,813.72	1/4	2,548.52	1/4	2,281.59	1/4	2,014.66	1/4	1,747.73	1/4	1,480.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,335.22	1/2	3,071.56	1/2	2,808.23	1/2	2,542.96	1/2	2,276.03	1/2	2,009.10	1/2	1,742.17	1/2	1,475.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,329.72	3/4	3,066.08	3/4	2,802.74	3/4	2,537.40	3/4	2,270.47	3/4	2,003.54	3/4	1,736.61	3/4	1,469.68
10	10	10	10	10	10	10	3,324.22	10	3,060.59	10	2,797.26	10	2,531.83	10	2,264.90	10	1,997.98	10	1,731.05	10	1,464.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,318.72	1/4	3,055.11	1/4	2,791.77	1/4	2,526.27	1/4	2,259.34	1/4	1,992.42	1/4	1,725.49	1/4	1,458.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,313.22	1/2	3,049.62	1/2	2,786.29	1/2	2,520.71	1/2	2,253.78	1/2	1,986.86	1/2	1,719.93	1/2	1,453.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,307.72	3/4	3,044.13	3/4	2,780.80	3/4	2,515.15	3/4	2,248.22	3/4	1,981.30	3/4	1,714.37	3/4	1,447.44
11	11	11	11	11	11	11	3,302.22	11	3,038.65	11	2,775.32	11	2,509.59	11	2,242.66	11	1,975.73	11	1,708.80	11	1,441.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,296.71	1/4	3,033.16	1/4	2,769.83	1/4	2,504.03	1/4	2,237.10	1/4	1,970.17	1/4	1,703.24	1/4	1,436.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,291.21	1/2	3,027.67	1/2	2,764.35	1/2	2,498.47	1/2	2,231.54	1/2	1,964.61	1/2	1,697.68	1/2	1,430.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,285.71	3/4	3,022.19	3/4	2,758.86	3/4	2,492.91	3/4	2,225.98	3/4	1,959.05	3/4	1,692.12	3/4	1,425.20

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 29'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 10142"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 214"

GAUGE HEIGHT 15'-05 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	1,419.63	0	1,152.71	0	885.78	0	618.85	0	352.67	0	86.36	0		0		0		0	
1/4	1,414.07	1/4	1,147.14	1/4	880.22	1/4	613.29	1/4	347.15	1/4	80.79	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,408.51	1/2	1,141.58	1/2	874.66	1/2	607.73	1/2	341.62	1/2	75.23	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,402.95	3/4	1,136.02	3/4	869.10	3/4	602.17	3/4	336.09	3/4	69.67	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,397.39	1	1,130.46	1	863.53	1	596.61	1	330.57	1	64.11	1	1	1	1	1	1	1	1
1/4	1,391.83	1/4	1,124.90	1/4	857.97	1/4	591.04	1/4	325.04	1/4	58.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,386.27	1/2	1,119.34	1/2	852.41	1/2	585.48	1/2	319.51	1/2	52.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,380.71	3/4	1,113.78	3/4	846.85	3/4	579.92	3/4	313.98	3/4	47.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,375.14	2	1,108.22	2	841.29	2	574.36	2	308.46	2	41.98	2	2	2	2	2	2	2	2
1/4	1,369.58	1/4	1,102.66	1/4	835.73	1/4	568.80	1/4	302.93	1/4	36.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,364.02	1/2	1,097.10	1/2	830.17	1/2	563.24	1/2	297.40	1/2	30.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,358.46	3/4	1,091.54	3/4	824.61	3/4	557.68	3/4	291.87	3/4	26.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,352.90	3	1,085.98	3	819.04	3	552.12	3	286.35	3	22.41	3	3	3	3	3	3	3	3
1/4	1,347.34	1/4	1,080.41	1/4	813.48	1/4	546.56	1/4	280.82	1/4	18.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,341.78	1/2	1,074.85	1/2	807.92	1/2	541.00	1/2	275.29	1/2	13.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,336.22	3/4	1,069.29	3/4	802.36	3/4	535.44	3/4	269.76	3/4	11.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,330.66	4	1,063.73	4	796.80	4	529.88	4	264.24	4	8.72	4	4	4	4	4	4	4	4
1/4	1,325.10	1/4	1,058.17	1/4	791.24	1/4	524.31	1/4	258.71	1/4	6.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,319.54	1/2	1,052.61	1/2	785.68	1/2	518.75	1/2	253.18	1/2	3.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,313.98	3/4	1,047.05	3/4	780.12	3/4	513.19	3/4	247.62	3/4	2.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,308.42	5	1,041.49	5	774.56	5	507.63	5	242.06	5	1.87	5	5	5	5	5	5	5	5
1/4	1,302.85	1/4	1,035.92	1/4	769.00	1/4	502.07	1/4	236.50	1/4	1.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,297.29	1/2	1,030.36	1/2	763.44	1/2	496.51	1/2	230.94	1/2	0.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,291.73	3/4	1,024.80	3/4	757.88	3/4	490.95	3/4	225.38	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,286.17	6	1,019.24	6	752.31	6	485.39	6	219.82	6		6	6	6	6	6	6	6	6
1/4	1,280.61	1/4	1,013.68	1/4	746.75	1/4	479.82	1/4	214.26	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,275.05	1/2	1,008.12	1/2	741.19	1/2	474.26	1/2	208.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,269.49	3/4	1,002.56	3/4	735.63	3/4	468.74	3/4	203.14	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,263.93	7	997.00	7	730.07	7	463.21	7	197.58	7		7	7	7	7	7	7	7	7
1/4	1,258.36	1/4	991.44	1/4	724.51	1/4	457.69	1/4	192.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,252.80	1/2	985.88	1/2	718.95	1/2	452.16	1/2	186.45	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,247.24	3/4	980.32	3/4	713.39	3/4	446.63	3/4	180.89	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,241.68	8	974.75	8	707.82	8	441.11	8	175.33	8		8	8	8	8	8	8	8	8
1/4	1,236.12	1/4	969.19	1/4	702.26	1/4	435.58	1/4	169.77	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,230.56	1/2	963.63	1/2	696.70	1/2	430.05	1/2	164.21	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,225.00	3/4	958.07	3/4	691.14	3/4	424.52	3/4	158.65	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,219.44	9	952.51	9	685.58	9	419.00	9	153.09	9		9	9	9	9	9	9	9	9
1/4	1,213.88	1/4	946.95	1/4	680.02	1/4	413.47	1/4	147.52	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,208.32	1/2	941.39	1/2	674.46	1/2	407.94	1/2	141.96	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,202.76	3/4	935.83	3/4	668.90	3/4	402.41	3/4	136.40	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,197.20	10	930.26	10	663.34	10	396.89	10	130.84	10		10	10	10	10	10	10	10	10
1/4	1,191.63	1/4	924.70	1/4	657.78	1/4	391.36	1/4	125.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,186.07	1/2	919.14	1/2	652.22	1/2	385.83	1/2	119.72	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,180.51	3/4	913.58	3/4	646.66	3/4	380.30	3/4	114.16	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,174.95	11	908.02	11	641.09	11	374.78	11	108.60	11		11	11	11	11	11	11	11	11
1/4	1,169.39	1/4	902.46	1/4	635.53	1/4	369.25	1/4	103.04	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,163.83	1/2	896.90	1/2	629.97	1/2	363.72	1/2	97.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,158.27	3/4	891.34	3/4	624.41	3/4	358.20	3/4	91.92	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: 07/22/1999 INS
RECALCULATED: 03/27/2023 CL
REPRINTED: 03/27/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>





BARGE "KIRBY 10142"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 214"

GAUGE HEIGHT 15'-05 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	3,084.90	0	2,920.62	0	2,743.84	0	2,485.58	0	2,223.71	0	1,957.07	0	1,690.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,081.46	1/4	2,917.21	1/4	2,738.51	1/4	2,480.18	1/4	2,218.15	1/4	1,951.51	1/4	1,684.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,078.03	1/2	2,913.79	1/2	2,733.19	1/2	2,474.77	1/2	2,212.60	1/2	1,945.96	1/2	1,679.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,074.59	3/4	2,910.37	3/4	2,727.86	3/4	2,469.37	3/4	2,207.04	3/4	1,940.40	3/4	1,673.76
1		1		1		1	3,071.16	1	2,906.95	1	2,722.54	1	2,463.97	1	2,201.49	1	1,934.85	1	1,668.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,067.73	1/4	2,903.54	1/4	2,717.21	1/4	2,458.57	1/4	2,195.93	1/4	1,929.29	1/4	1,662.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,064.29	1/2	2,900.12	1/2	2,711.89	1/2	2,453.17	1/2	2,190.38	1/2	1,923.74	1/2	1,657.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,060.86	3/4	2,896.70	3/4	2,706.56	3/4	2,447.77	3/4	2,184.82	3/4	1,918.18	3/4	1,651.54
2		2		2		2	3,057.43	2	2,893.28	2	2,701.24	2	2,442.37	2	2,179.27	2	1,912.63	2	1,645.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,053.99	1/4	2,889.86	1/4	2,695.91	1/4	2,436.97	1/4	2,173.71	1/4	1,907.07	1/4	1,640.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,050.56	1/2	2,886.44	1/2	2,690.59	1/2	2,431.56	1/2	2,168.16	1/2	1,901.52	1/2	1,634.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,047.12	3/4	2,883.02	3/4	2,685.26	3/4	2,426.16	3/4	2,162.60	3/4	1,895.96	3/4	1,629.32
3		3		3		3	3,043.70	3	2,879.60	3	2,679.90	3	2,420.76	3	2,157.05	3	1,890.41	3	1,623.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,040.27	1/4	2,876.19	1/4	2,674.54	1/4	2,415.36	1/4	2,151.49	1/4	1,884.85	1/4	1,618.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,036.85	1/2	2,872.77	1/2	2,669.17	1/2	2,409.96	1/2	2,145.94	1/2	1,879.30	1/2	1,612.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,033.42	3/4	2,869.35	3/4	2,663.81	3/4	2,404.56	3/4	2,140.38	3/4	1,873.74	3/4	1,607.10
4		4		4		4	3,030.00	4	2,865.93	4	2,658.41	4	2,399.16	4	2,134.83	4	1,868.19	4	1,601.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,026.58	1/4	2,862.52	1/4	2,653.01	1/4	2,393.76	1/4	2,129.27	1/4	1,862.63	1/4	1,595.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,023.16	1/2	2,859.10	1/2	2,647.60	1/2	2,388.36	1/2	2,123.72	1/2	1,857.08	1/2	1,590.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,019.74	3/4	2,855.68	3/4	2,642.20	3/4	2,382.96	3/4	2,118.16	3/4	1,851.52	3/4	1,584.88
5		5		5		5	3,016.32	5	2,852.26	5	2,636.80	5	2,377.56	5	2,112.61	5	1,845.97	5	1,579.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,012.91	1/4	2,848.85	1/4	2,631.40	1/4	2,372.15	1/4	2,107.05	1/4	1,840.41	1/4	1,573.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,009.49	1/2	2,845.43	1/2	2,626.00	1/2	2,366.75	1/2	2,101.50	1/2	1,834.86	1/2	1,568.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,006.07	3/4	2,842.01	3/4	2,620.60	3/4	2,361.35	3/4	2,095.94	3/4	1,829.30	3/4	1,562.66
6		6		6		6	3,002.65	6	2,838.59	6	2,615.20	6	2,355.95	6	2,090.39	6	1,823.75	6	1,557.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,999.24	1/4	2,835.18	1/4	2,609.80	1/4	2,350.55	1/4	2,084.83	1/4	1,818.19	1/4	1,551.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,995.82	1/2	2,831.76	1/2	2,604.40	1/2	2,345.15	1/2	2,079.28	1/2	1,812.64	1/2	1,546.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,992.40	3/4	2,828.34	3/4	2,599.00	3/4	2,339.75	3/4	2,073.72	3/4	1,807.08	3/4	1,540.44
7		7		7		7	2,988.98	7	2,824.90	7	2,593.60	7	2,334.35	7	2,068.17	7	1,801.53	7	1,534.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,136.17	1/4	2,985.57	1/4	2,821.45	1/4	2,588.20	1/4	2,328.94	1/4	2,062.61	1/4	1,795.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,135.36	1/2	2,982.15	1/2	2,818.01	1/2	2,582.79	1/2	2,323.54	1/2	2,057.06	1/2	1,790.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,134.54	3/4	2,978.73	3/4	2,814.56	3/4	2,577.39	3/4	2,318.14	3/4	2,051.50	3/4	1,784.86
8		8		8		8	3,132.85	8	2,975.31	8	2,811.17	8	2,571.99	8	2,312.58	8	2,045.95	8	1,779.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,131.17	1/4	2,971.90	1/4	2,807.78	1/4	2,566.59	1/4	2,307.03	1/4	2,040.39	1/4	1,773.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,129.48	1/2	2,968.48	1/2	2,804.38	1/2	2,561.19	1/2	2,301.47	1/2	2,034.84	1/2	1,768.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,127.79	3/4	2,965.06	3/4	2,800.99	3/4	2,555.79	3/4	2,295.92	3/4	2,029.28	3/4	1,762.64
9		9		9		9	3,124.79	9	2,961.64	9	2,797.39	9	2,550.39	9	2,290.36	9	2,023.73	9	1,757.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,121.80	1/4	2,958.22	1/4	2,793.80	1/4	2,544.99	1/4	2,284.81	1/4	2,018.17	1/4	1,751.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,118.80	1/2	2,954.80	1/2	2,790.20	1/2	2,539.58	1/2	2,279.25	1/2	2,012.62	1/2	1,745.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,115.80	3/4	2,951.38	3/4	2,786.60	3/4	2,534.18	3/4	2,273.70	3/4	2,007.06	3/4	1,740.42
10		10		10		10	3,112.37	10	2,947.96	10	2,782.31	10	2,528.78	10	2,268.14	10	2,001.51	10	1,734.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,108.93	1/4	2,944.55	1/4	2,778.02	1/4	2,523.38	1/4	2,262.59	1/4	1,995.95	1/4	1,729.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,105.50	1/2	2,941.13	1/2	2,773.72	1/2	2,517.98	1/2	2,257.03	1/2	1,990.40	1/2	1,723.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,102.06	3/4	2,937.71	3/4	2,769.43	3/4	2,512.58	3/4	2,251.48	3/4	1,984.84	3/4	1,718.20
11		11		11		11	3,098.63	11	2,934.29	11	2,764.36	11	2,507.18	11	2,245.93	11	1,979.29	11	1,712.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,095.20	1/4	2,930.88	1/4	2,759.30	1/4	2,501.78	1/4	2,240.37	1/4	1,973.73	1/4	1,707.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,091.76	1/2	2,927.46	1/2	2,754.23	1/2	2,496.38	1/2	2,234.82	1/2	1,968.18	1/2	1,701.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,088.33	3/4	2,924.04	3/4	2,749.16	3/4	2,490.98	3/4	2,229.26	3/4	1,962.62	3/4	1,695.98

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 29'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 10142"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 214"

GAUGE HEIGHT 15'-05 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	1,423.78	0	1,157.14	0	890.50	0	623.86	0	357.94	0	91.87	0		0		0		0	
1/4	1,418.23	1/4	1,151.59	1/4	884.95	1/4	618.31	1/4	352.42	1/4	86.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,412.67	1/2	1,146.03	1/2	879.39	1/2	612.75	1/2	346.90	1/2	80.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,407.12	3/4	1,140.48	3/4	873.84	3/4	607.20	3/4	341.38	3/4	75.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,401.56	1	1,134.92	1	868.28	1	601.64	1	335.86	1	69.64	1		1		1		1	
1/4	1,396.01	1/4	1,129.36	1/4	862.73	1/4	596.09	1/4	330.34	1/4	64.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,390.45	1/2	1,123.81	1/2	857.17	1/2	590.53	1/2	324.82	1/2	58.53	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,384.90	3/4	1,118.25	3/4	851.62	3/4	584.98	3/4	319.30	3/4	52.97	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,379.34	2	1,112.70	2	846.06	2	579.42	2	313.78	2	47.46	2		2		2		2	
1/4	1,373.79	1/4	1,107.14	1/4	840.51	1/4	573.87	1/4	308.25	1/4	41.96	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,368.23	1/2	1,101.59	1/2	834.95	1/2	568.31	1/2	302.73	1/2	36.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,362.68	3/4	1,096.04	3/4	829.40	3/4	562.76	3/4	297.21	3/4	30.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,357.12	3	1,090.48	3	823.84	3	557.20	3	291.69	3	26.67	3		3		3		3	
1/4	1,351.57	1/4	1,084.93	1/4	818.29	1/4	551.65	1/4	286.17	1/4	22.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,346.01	1/2	1,079.37	1/2	812.73	1/2	546.09	1/2	280.65	1/2	18.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,340.46	3/4	1,073.82	3/4	807.18	3/4	540.54	3/4	275.13	3/4	13.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,334.90	4	1,068.26	4	801.62	4	534.98	4	269.61	4	11.28	4		4		4		4	
1/4	1,329.35	1/4	1,062.71	1/4	796.07	1/4	529.43	1/4	264.08	1/4	8.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,323.79	1/2	1,057.15	1/2	790.51	1/2	523.87	1/2	258.56	1/2	6.15	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,318.24	3/4	1,051.60	3/4	784.96	3/4	518.32	3/4	253.04	3/4	3.58	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,312.68	5	1,046.04	5	779.40	5	512.76	5	247.48	5	2.72	5		5		5		5	
1/4	1,307.13	1/4	1,040.49	1/4	773.85	1/4	507.21	1/4	241.93	1/4	1.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,301.57	1/2	1,034.93	1/2	768.29	1/2	501.65	1/2	236.37	1/2	1.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,296.02	3/4	1,029.38	3/4	762.74	3/4	496.10	3/4	230.82	3/4	0.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,290.46	6	1,023.82	6	757.18	6	490.54	6	225.26	6		6		6		6		6	
1/4	1,284.91	1/4	1,018.27	1/4	751.63	1/4	484.99	1/4	219.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,279.35	1/2	1,012.71	1/2	746.07	1/2	479.43	1/2	214.15	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,273.80	3/4	1,007.16	3/4	740.52	3/4	473.88	3/4	208.59	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,268.24	7	1,001.60	7	734.96	7	468.36	7	203.03	7		7		7		7		7	
1/4	1,262.69	1/4	996.05	1/4	729.41	1/4	462.84	1/4	197.47	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,257.13	1/2	990.49	1/2	723.85	1/2	457.32	1/2	191.92	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,251.58	3/4	984.94	3/4	718.30	3/4	451.80	3/4	186.36	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,246.02	8	979.38	8	712.74	8	446.28	8	180.80	8		8		8		8		8	
1/4	1,240.47	1/4	973.83	1/4	707.19	1/4	440.76	1/4	175.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,234.91	1/2	968.27	1/2	701.63	1/2	435.24	1/2	169.69	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,229.36	3/4	962.72	3/4	696.08	3/4	429.72	3/4	164.13	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,223.80	9	957.16	9	690.52	9	424.20	9	158.57	9		9		9		9		9	
1/4	1,218.25	1/4	951.61	1/4	684.97	1/4	418.67	1/4	153.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,212.69	1/2	946.05	1/2	679.41	1/2	413.15	1/2	147.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,207.14	3/4	940.50	3/4	673.86	3/4	407.63	3/4	141.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,201.58	10	934.94	10	668.30	10	402.11	10	136.34	10		10		10		10		10	
1/4	1,196.03	1/4	929.39	1/4	662.75	1/4	396.59	1/4	130.78	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,190.47	1/2	923.83	1/2	657.19	1/2	391.07	1/2	125.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,184.92	3/4	918.28	3/4	651.64	3/4	385.55	3/4	119.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,179.36	11	912.72	11	646.08	11	380.03	11	114.10	11		11		11		11		11	
1/4	1,173.81	1/4	907.17	1/4	640.53	1/4	374.50	1/4	108.54	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,168.25	1/2	901.61	1/2	634.97	1/2	368.98	1/2	102.99	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,162.70	3/4	896.06	3/4	629.42	3/4	363.46	3/4	97.43	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: 07/22/1999 INS
RECALCULATED: 03/27/2023 CL
REPRINTED: 03/27/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

