



BARGE "KIRBY 28091"

ULLAGE TRIM TABLE

FORMERLY "SMI 30053"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 257'-03"

October 13, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28091"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30053"

GAUGE HEIGHT 16'-11 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
									4,621.76		4,269.37		3,916.47		3,562.00		3,207.53		2,853.06		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,614.42	1/4	4,262.03	1/4	3,909.09	1/4	3,554.62	1/4	3,200.15	1/4	2,845.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,607.07	1/2	4,254.69	1/2	3,901.70	1/2	3,547.23	1/2	3,192.76	1/2	2,838.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,942.16	3/4	4,599.73	3/4	4,247.35	3/4	3,894.32	3/4	3,539.85	3/4	3,185.38	3/4	2,830.91
1	1	1	1	1	1	1	1	1	4,593.33	1	4,240.00	1	3,886.94	1	3,532.46	1	3,177.99	1	2,823.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,930.51	1/4	4,585.05	1/4	4,232.66	1/4	3,879.55	1/4	3,525.08	1/4	3,170.61	1/4	2,816.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,924.68	1/2	4,577.71	1/2	4,225.32	1/2	3,872.17	1/2	3,517.70	1/2	3,163.22	1/2	2,808.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,918.86	3/4	4,570.37	3/4	4,217.98	3/4	3,864.78	3/4	3,510.31	3/4	3,155.84	3/4	2,801.37
2	2	2	2	2	2	2	2	2	4,912.07	2	4,563.03	2	4,210.64	2	3,857.40	2	3,502.93	2	3,148.46	2	2,793.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,905.29	1/4	4,555.68	1/4	4,203.30	1/4	3,850.01	1/4	3,495.54	1/4	3,141.07	1/4	2,786.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,898.50	1/2	4,548.34	1/2	4,195.96	1/2	3,842.63	1/2	3,488.16	1/2	3,133.69	1/2	2,779.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,891.72	3/4	4,541.00	3/4	4,188.61	3/4	3,835.24	3/4	3,480.77	3/4	3,126.30	3/4	2,771.83
3	3	3	3	3	3	3	3	3	4,884.51	3	4,533.66	3	4,181.27	3	3,827.86	3	3,473.39	3	3,118.92	3	2,764.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,877.31	1/4	4,526.32	1/4	4,173.93	1/4	3,820.47	1/4	3,466.00	1/4	3,111.53	1/4	2,757.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,870.10	1/2	4,518.98	1/2	4,166.59	1/2	3,813.09	1/2	3,458.62	1/2	3,104.15	1/2	2,749.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,862.89	3/4	4,511.64	3/4	4,159.25	3/4	3,805.70	3/4	3,451.23	3/4	3,096.76	3/4	2,742.29
4	4	4	4	4	4	4	4	4	4,855.62	4	4,504.29	4	4,151.91	4	3,798.32	4	3,443.85	4	3,089.38	4	2,734.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,848.36	1/4	4,496.95	1/4	4,144.57	1/4	3,790.93	1/4	3,436.46	1/4	3,081.99	1/4	2,727.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,841.09	1/2	4,489.61	1/2	4,137.22	1/2	3,783.55	1/2	3,429.08	1/2	3,074.61	1/2	2,720.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,833.82	3/4	4,482.27	3/4	4,129.88	3/4	3,776.16	3/4	3,421.69	3/4	3,067.22	3/4	2,712.75
5	5	5	5	5	5	5	5	5	4,826.54	5	4,474.93	5	4,122.54	5	3,768.78	5	3,414.31	5	3,059.84	5	2,705.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,819.27	1/4	4,467.59	1/4	4,115.20	1/4	3,761.39	1/4	3,406.92	1/4	3,052.45	1/4	2,697.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,811.99	1/2	4,460.25	1/2	4,107.86	1/2	3,754.01	1/2	3,399.54	1/2	3,045.07	1/2	2,690.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,804.72	3/4	4,452.90	3/4	4,100.52	3/4	3,746.62	3/4	3,392.15	3/4	3,037.68	3/4	2,683.21
6	6	6	6	6	6	6	6	6	4,797.44	6	4,445.56	6	4,093.18	6	3,739.24	6	3,384.77	6	3,030.30	6	2,675.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,790.16	1/4	4,438.22	1/4	4,085.83	1/4	3,731.85	1/4	3,377.38	1/4	3,022.91	1/4	2,668.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,782.88	1/2	4,430.88	1/2	4,078.49	1/2	3,724.47	1/2	3,370.00	1/2	3,015.53	1/2	2,661.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,775.61	3/4	4,423.54	3/4	4,071.15	3/4	3,717.08	3/4	3,362.61	3/4	3,008.14	3/4	2,653.67
7	7	7	7	7	7	7	7	7	4,768.33	7	4,416.20	7	4,063.81	7	3,709.70	7	3,355.23	7	3,000.76	7	2,646.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,761.05	1/4	4,408.86	1/4	4,056.47	1/4	3,702.32	1/4	3,347.84	1/4	2,993.37	1/4	2,638.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,753.77	1/2	4,401.51	1/2	4,049.13	1/2	3,694.93	1/2	3,340.46	1/2	2,985.99	1/2	2,631.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,746.50	3/4	4,394.17	3/4	4,041.79	3/4	3,687.55	3/4	3,333.08	3/4	2,978.60	3/4	2,624.13
8	8	8	8	8	8	8	8	8	4,739.18	8	4,386.83	8	4,034.44	8	3,680.16	8	3,325.69	8	2,971.22	8	2,616.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,731.86	1/4	4,379.49	1/4	4,027.10	1/4	3,672.78	1/4	3,318.31	1/4	2,963.84	1/4	2,609.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,724.54	1/2	4,372.15	1/2	4,019.76	1/2	3,665.39	1/2	3,310.92	1/2	2,956.45	1/2	2,601.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,717.22	3/4	4,364.81	3/4	4,012.42	3/4	3,658.01	3/4	3,303.54	3/4	2,949.07	3/4	2,594.60
9	9	9	9	9	9	9	9	9	4,709.87	9	4,357.47	9	4,005.05	9	3,650.62	9	3,296.15	9	2,941.68	9	2,587.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,702.52	1/4	4,350.12	1/4	3,997.68	1/4	3,643.24	1/4	3,288.77	1/4	2,934.30	1/4	2,579.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,695.18	1/2	4,342.78	1/2	3,990.31	1/2	3,635.85	1/2	3,281.38	1/2	2,926.91	1/2	2,572.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,687.83	3/4	4,335.44	3/4	3,982.94	3/4	3,628.47	3/4	3,274.00	3/4	2,919.53	3/4	2,565.05
10	10	10	10	10	10	10	10	10	4,680.49	10	4,328.10	10	3,975.55	10	3,621.08	10	3,266.61	10	2,912.14	10	2,557.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,673.15	1/4	4,320.76	1/4	3,968.17	1/4	3,613.70	1/4	3,259.23	1/4	2,904.76	1/4	2,550.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,665.81	1/2	4,313.42	1/2	3,960.78	1/2	3,606.31	1/2	3,251.84	1/2	2,897.37	1/2	2,542.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,658.46	3/4	4,306.08	3/4	3,953.40	3/4	3,598.93	3/4	3,244.46	3/4	2,889.99	3/4	2,535.49
11	11	11	11	11	11	11	11	11	4,651.12	11	4,298.73	11	3,946.01	11	3,591.54	11	3,237.07	11	2,882.60	11	2,528.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,643.78	1/4	4,291.39	1/4	3,938.63	1/4	3,584.16	1/4	3,229.69	1/4	2,875.22	1/4	2,520.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,636.44	1/2	4,284.05	1/2	3,931.24	1/2	3,576.77	1/2	3,222.30	1/2	2,867.83	1/2	2,513.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,629.10	3/4	4,276.71	3/4	3,923.86	3/4	3,569.39	3/4	3,214.92	3/4	2,860.45	3/4	2,505.94

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 14'-08" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 28091"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30053"

GAUGE HEIGHT 16'-11 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	2,498.55	0	2,143.87	0	1,789.18	0	1,434.50	0	1,080.08	0	727.50	0	372.83	0		0		0	
1/4	2,491.16	1/4	2,136.48	1/4	1,781.79	1/4	1,427.11	1/4	1,072.73	1/4	720.11	1/4	365.44	1/4	1/4	1/4		1/4	1/4
1/2	2,483.77	1/2	2,129.09	1/2	1,774.41	1/2	1,419.72	1/2	1,065.38	1/2	712.72	1/2	358.05	1/2	1/2	1/2		1/2	1/2
3/4	2,476.38	3/4	2,121.70	3/4	1,767.02	3/4	1,412.33	3/4	1,058.04	3/4	705.33	3/4	350.66	3/4	3/4	3/4		3/4	3/4
1	2,468.99	1	2,114.31	1	1,759.63	1	1,404.95	1	1,050.70	1	697.94	1	343.28	1	1	1		1	1
1/4	2,461.60	1/4	2,106.92	1/4	1,752.24	1/4	1,397.56	1/4	1,043.36	1/4	690.55	1/4	335.89	1/4	1/4	1/4		1/4	1/4
1/2	2,454.21	1/2	2,099.53	1/2	1,744.85	1/2	1,390.17	1/2	1,036.01	1/2	683.16	1/2	328.50	1/2	1/2	1/2		1/2	1/2
3/4	2,446.82	3/4	2,092.14	3/4	1,737.46	3/4	1,382.78	3/4	1,028.67	3/4	675.78	3/4	321.11	3/4	3/4	3/4		3/4	3/4
2	2,439.43	2	2,084.75	2	1,730.07	2	1,375.39	2	1,021.34	2	668.39	2	313.72	2	2	2		2	2
1/4	2,432.04	1/4	2,077.36	1/4	1,722.68	1/4	1,368.00	1/4	1,014.00	1/4	661.00	1/4	306.33	1/4	1/4	1/4		1/4	1/4
1/2	2,424.65	1/2	2,069.97	1/2	1,715.29	1/2	1,360.61	1/2	1,006.66	1/2	653.61	1/2	298.94	1/2	1/2	1/2		1/2	1/2
3/4	2,417.27	3/4	2,062.58	3/4	1,707.90	3/4	1,353.22	3/4	999.32	3/4	646.22	3/4	291.55	3/4	3/4	3/4		3/4	3/4
3	2,409.88	3	2,055.19	3	1,700.51	3	1,345.83	3	991.99	3	638.83	3	284.16	3	3	3		3	3
1/4	2,402.49	1/4	2,047.81	1/4	1,693.12	1/4	1,338.44	1/4	984.65	1/4	631.44	1/4	276.78	1/4	1/4	1/4		1/4	1/4
1/2	2,395.10	1/2	2,040.42	1/2	1,685.73	1/2	1,331.05	1/2	977.32	1/2	624.05	1/2	269.39	1/2	1/2	1/2		1/2	1/2
3/4	2,387.71	3/4	2,033.03	3/4	1,678.35	3/4	1,323.66	3/4	969.98	3/4	616.66	3/4	262.00	3/4	3/4	3/4		3/4	3/4
4	2,380.32	4	2,025.64	4	1,670.96	4	1,316.27	4	962.65	4	609.28	4	254.61	4	4	4		4	4
1/4	2,372.93	1/4	2,018.25	1/4	1,663.57	1/4	1,308.89	1/4	955.31	1/4	601.89	1/4	247.23	1/4	1/4	1/4		1/4	1/4
1/2	2,365.54	1/2	2,010.86	1/2	1,656.18	1/2	1,301.50	1/2	947.97	1/2	594.50	1/2	239.84	1/2	1/2	1/2		1/2	1/2
3/4	2,358.15	3/4	2,003.47	3/4	1,648.79	3/4	1,294.11	3/4	940.64	3/4	587.11	3/4	232.45	3/4	3/4	3/4		3/4	3/4
5	2,350.76	5	1,996.08	5	1,641.40	5	1,286.72	5	933.30	5	579.72	5	225.08	5	5	5		5	5
1/4	2,343.37	1/4	1,988.69	1/4	1,634.01	1/4	1,279.33	1/4	925.97	1/4	572.33	1/4	217.70	1/4	1/4	1/4		1/4	1/4
1/2	2,335.98	1/2	1,981.30	1/2	1,626.62	1/2	1,271.94	1/2	918.63	1/2	564.94	1/2	210.32	1/2	1/2	1/2		1/2	1/2
3/4	2,328.60	3/4	1,973.91	3/4	1,619.23	3/4	1,264.55	3/4	911.29	3/4	557.55	3/4	202.94	3/4	3/4	3/4		3/4	3/4
6	2,321.21	6	1,966.52	6	1,611.84	6	1,257.16	6	903.96	6	550.16	6	195.57	6	6	6		6	6
1/4	2,313.82	1/4	1,959.14	1/4	1,604.45	1/4	1,249.77	1/4	896.62	1/4	542.78	1/4	188.20	1/4	1/4	1/4		1/4	1/4
1/2	2,306.43	1/2	1,951.75	1/2	1,597.06	1/2	1,242.38	1/2	889.29	1/2	535.39	1/2	180.84	1/2	1/2	1/2		1/2	1/2
3/4	2,299.04	3/4	1,944.36	3/4	1,589.68	3/4	1,234.99	3/4	881.95	3/4	528.00	3/4	173.47	3/4	3/4	3/4		3/4	3/4
7	2,291.65	7	1,936.97	7	1,582.29	7	1,227.60	7	874.62	7	520.61	7	166.12	7	7	7		7	7
1/4	2,284.26	1/4	1,929.58	1/4	1,574.90	1/4	1,220.22	1/4	867.28	1/4	513.22	1/4	158.77	1/4	1/4	1/4		1/4	1/4
1/2	2,276.87	1/2	1,922.19	1/2	1,567.51	1/2	1,212.83	1/2	859.94	1/2	505.83	1/2	151.43	1/2	1/2	1/2		1/2	1/2
3/4	2,269.48	3/4	1,914.80	3/4	1,560.12	3/4	1,205.44	3/4	852.61	3/4	498.44	3/4	144.08	3/4	3/4	3/4		3/4	3/4
8	2,262.09	8	1,907.41	8	1,552.73	8	1,198.05	8	845.27	8	491.05	8	136.76	8	8	8		8	8
1/4	2,254.70	1/4	1,900.02	1/4	1,545.34	1/4	1,190.66	1/4	837.94	1/4	483.66	1/4	129.45	1/4	1/4	1/4		1/4	1/4
1/2	2,247.31	1/2	1,892.63	1/2	1,537.95	1/2	1,183.27	1/2	830.60	1/2	476.28	1/2	122.13	1/2	1/2	1/2		1/2	1/2
3/4	2,239.92	3/4	1,885.24	3/4	1,530.56	3/4	1,175.88	3/4	823.27	3/4	468.89	3/4	114.82	3/4	3/4	3/4		3/4	3/4
9	2,232.54	9	1,877.85	9	1,523.17	9	1,168.49	9	815.93	9	461.50	9	107.80	9	9	9		9	9
1/4	2,225.15	1/4	1,870.46	1/4	1,515.78	1/4	1,161.10	1/4	808.59	1/4	454.11	1/4	100.78	1/4	1/4	1/4		1/4	1/4
1/2	2,217.76	1/2	1,863.08	1/2	1,508.39	1/2	1,153.71	1/2	801.26	1/2	446.72	1/2	93.76	1/2	1/2	1/2		1/2	1/2
3/4	2,210.37	3/4	1,855.69	3/4	1,501.00	3/4	1,146.32	3/4	793.92	3/4	439.33	3/4	86.74	3/4	3/4	3/4		3/4	3/4
10	2,202.98	10	1,848.30	10	1,493.62	10	1,138.95	10	786.55	10	431.94	10	80.54	10	10	10		10	10
1/4	2,195.59	1/4	1,840.91	1/4	1,486.23	1/4	1,131.59	1/4	779.18	1/4	424.55	1/4	74.34	1/4	1/4	1/4		1/4	1/4
1/2	2,188.20	1/2	1,833.52	1/2	1,478.84	1/2	1,124.22	1/2	771.81	1/2	417.16	1/2	68.14	1/2	1/2	1/2		1/2	1/2
3/4	2,180.81	3/4	1,826.13	3/4	1,471.45	3/4	1,116.85	3/4	764.44	3/4	409.78	3/4	61.94	3/4	3/4	3/4		3/4	3/4
11	2,173.42	11	1,818.74	11	1,464.06	11	1,109.49	11	757.05	11	402.39	11	56.80	11	11	11		11	11
1/4	2,166.03	1/4	1,811.35	1/4	1,456.67	1/4	1,102.14	1/4	749.67	1/4	395.00	1/4	51.65	1/4	1/4	1/4		1/4	1/4
1/2	2,158.64	1/2	1,803.96	1/2	1,449.28	1/2	1,094.78	1/2	742.28	1/2	387.61	1/2	46.50	1/2	1/2	1/2		1/2	1/2
3/4	2,151.25	3/4	1,796.57	3/4	1,441.89	3/4	1,087.42	3/4	734.89	3/4	380.22	3/4	41.36	3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/03/2013 SW
NAME CHANGE: 10/13/2023 JS
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 28091"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30053"

GAUGE HEIGHT 16'-11 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
									4,616.39		4,264.00		3,911.06		3,556.59		3,202.12		2,847.65		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,609.05	1/4	4,256.66	1/4	3,903.68	1/4	3,549.21	1/4	3,194.74	1/4	2,840.27		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,944.96	1/2	4,601.71	1/2	4,249.32	1/2	3,896.29	1/2	3,541.82	1/2	3,187.35	1/2	2,832.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,939.13	3/4	4,594.36	3/4	4,241.98	3/4	3,888.91	3/4	3,534.44	3/4	3,179.97	3/4	2,825.50
1	1	1	1	1	1	1	1	1	4,933.30	1	4,587.02	1	4,234.64	1	3,881.52	1	3,527.05	1	3,172.58	1	2,818.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,927.48	1/4	4,579.68	1/4	4,227.29	1/4	3,874.14	1/4	3,519.67	1/4	3,165.20	1/4	2,810.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,921.65	1/2	4,572.34	1/2	4,219.95	1/2	3,866.75	1/2	3,512.28	1/2	3,157.81	1/2	2,803.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,914.87	3/4	4,565.00	3/4	4,212.61	3/4	3,859.37	3/4	3,504.90	3/4	3,150.43	3/4	2,795.96
2	2	2	2	2	2	2	2	2	4,908.08	2	4,557.66	2	4,205.27	2	3,851.98	2	3,497.51	2	3,143.04	2	2,788.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,901.30	1/4	4,550.32	1/4	4,197.93	1/4	3,844.60	1/4	3,490.13	1/4	3,135.66	1/4	2,781.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,894.52	1/2	4,542.97	1/2	4,190.59	1/2	3,837.21	1/2	3,482.74	1/2	3,128.27	1/2	2,773.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,887.31	3/4	4,535.63	3/4	4,183.25	3/4	3,829.83	3/4	3,475.36	3/4	3,120.89	3/4	2,766.42
3	3	3	3	3	3	3	3	3	4,880.10	3	4,528.29	3	4,175.90	3	3,822.44	3	3,467.97	3	3,113.50	3	2,759.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,872.90	1/4	4,520.95	1/4	4,168.56	1/4	3,815.06	1/4	3,460.59	1/4	3,106.12	1/4	2,751.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,865.69	1/2	4,513.61	1/2	4,161.22	1/2	3,807.67	1/2	3,453.20	1/2	3,098.73	1/2	2,744.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,858.42	3/4	4,506.27	3/4	4,153.88	3/4	3,800.29	3/4	3,445.82	3/4	3,091.35	3/4	2,736.88
4	4	4	4	4	4	4	4	4	4,851.15	4	4,498.93	4	4,146.54	4	3,792.91	4	3,438.43	4	3,083.96	4	2,729.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,843.88	1/4	4,491.58	1/4	4,139.20	1/4	3,785.52	1/4	3,431.05	1/4	3,076.58	1/4	2,722.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,836.62	1/2	4,484.24	1/2	4,131.86	1/2	3,778.14	1/2	3,423.67	1/2	3,069.19	1/2	2,714.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,829.30	3/4	4,476.90	3/4	4,124.51	3/4	3,770.75	3/4	3,416.28	3/4	3,061.81	3/4	2,707.34
5	5	5	5	5	5	5	5	5	4,821.98	5	4,469.56	5	4,117.17	5	3,763.37	5	3,408.90	5	3,054.43	5	2,699.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,814.66	1/4	4,462.22	1/4	4,109.83	1/4	3,755.98	1/4	3,401.51	1/4	3,047.04	1/4	2,692.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,807.34	1/2	4,454.88	1/2	4,102.49	1/2	3,748.60	1/2	3,394.13	1/2	3,039.66	1/2	2,685.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,799.99	3/4	4,447.54	3/4	4,095.15	3/4	3,741.21	3/4	3,386.74	3/4	3,032.27	3/4	2,677.80
6	6	6	6	6	6	6	6	6	4,792.65	6	4,440.19	6	4,087.81	6	3,733.83	6	3,379.36	6	3,024.89	6	2,670.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,785.30	1/4	4,432.85	1/4	4,080.47	1/4	3,726.44	1/4	3,371.97	1/4	3,017.50	1/4	2,663.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,777.96	1/2	4,425.51	1/2	4,073.12	1/2	3,719.06	1/2	3,364.59	1/2	3,010.12	1/2	2,655.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,770.61	3/4	4,418.17	3/4	4,065.78	3/4	3,711.67	3/4	3,357.20	3/4	3,002.73	3/4	2,648.26
7	7	7	7	7	7	7	7	7	4,763.27	7	4,410.83	7	4,058.44	7	3,704.29	7	3,349.82	7	2,995.35	7	2,640.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,755.92	1/4	4,403.49	1/4	4,051.10	1/4	3,696.90	1/4	3,342.43	1/4	2,987.96	1/4	2,633.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,748.57	1/2	4,396.15	1/2	4,043.76	1/2	3,689.52	1/2	3,335.05	1/2	2,980.58	1/2	2,626.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,741.23	3/4	4,388.81	3/4	4,036.42	3/4	3,682.13	3/4	3,327.66	3/4	2,973.19	3/4	2,618.72
8	8	8	8	8	8	8	8	8	4,733.88	8	4,381.46	8	4,029.08	8	3,674.75	8	3,320.28	8	2,965.81	8	2,611.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,726.54	1/4	4,374.12	1/4	4,021.74	1/4	3,667.36	1/4	3,312.89	1/4	2,958.42	1/4	2,603.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,719.19	1/2	4,366.78	1/2	4,014.39	1/2	3,659.98	1/2	3,305.51	1/2	2,951.04	1/2	2,596.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,711.85	3/4	4,359.44	3/4	4,007.02	3/4	3,652.59	3/4	3,298.12	3/4	2,943.65	3/4	2,589.18
9	9	9	9	9	9	9	9	9	4,704.50	9	4,352.10	9	3,999.65	9	3,645.21	9	3,290.74	9	2,936.27	9	2,581.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,697.15	1/4	4,344.76	1/4	3,992.28	1/4	3,637.82	1/4	3,283.35	1/4	2,928.88	1/4	2,574.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,689.81	1/2	4,337.42	1/2	3,984.91	1/2	3,630.44	1/2	3,275.97	1/2	2,921.50	1/2	2,567.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,682.47	3/4	4,330.07	3/4	3,977.53	3/4	3,623.05	3/4	3,268.58	3/4	2,914.11	3/4	2,559.63
10	10	10	10	10	10	10	10	10	4,675.12	10	4,322.73	10	3,970.14	10	3,615.67	10	3,261.20	10	2,906.73	10	2,552.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,667.78	1/4	4,315.39	1/4	3,962.76	1/4	3,608.29	1/4	3,253.81	1/4	2,899.34	1/4	2,544.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,660.44	1/2	4,308.05	1/2	3,955.37	1/2	3,600.90	1/2	3,246.43	1/2	2,891.96	1/2	2,537.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,653.10	3/4	4,300.71	3/4	3,947.99	3/4	3,593.52	3/4	3,239.05	3/4	2,884.57	3/4	2,530.08
11	11	11	11	11	11	11	11	11	4,645.75	11	4,293.37	11	3,940.60	11	3,586.13	11	3,231.66	11	2,877.19	11	2,522.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,638.41	1/4	4,286.03	1/4	3,933.22	1/4	3,578.75	1/4	3,224.28	1/4	2,869.81	1/4	2,515.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,631.07	1/2	4,278.68	1/2	3,925.83	1/2	3,571.36	1/2	3,216.89	1/2	2,862.42	1/2	2,507.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,623.73	3/4	4,271.34	3/4	3,918.45	3/4	3,563.98	3/4	3,209.51	3/4	2,855.04	3/4	2,500.52

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 14'-08" OFF CENTERLINE AND 42'-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 28091"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30053"

GAUGE HEIGHT 16'-11 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	2,493.13	0	2,138.45	0	1,783.77	0	1,429.09	0	1,074.41	0	720.11	0	365.44	0		0		0	
1/4	2,485.74	1/4	2,131.06	1/4	1,776.38	1/4	1,421.70	1/4	1,067.03	1/4	712.73	1/4	358.05	1/4	1/4		1/4		1/4
1/2	2,478.35	1/2	2,123.67	1/2	1,768.99	1/2	1,414.31	1/2	1,059.64	1/2	705.34	1/2	350.66	1/2	1/2		1/2		1/2
3/4	2,470.96	3/4	2,116.28	3/4	1,761.60	3/4	1,406.92	3/4	1,052.26	3/4	697.95	3/4	343.28	3/4	3/4		3/4		3/4
1	2,463.57	1	2,108.89	1	1,754.21	1	1,399.53	1	1,044.87	1	690.56	1	335.89	1	1		1		1
1/4	2,456.18	1/4	2,101.50	1/4	1,746.82	1/4	1,392.14	1/4	1,037.49	1/4	683.17	1/4	328.50	1/4	1/4		1/4		1/4
1/2	2,448.80	1/2	2,094.11	1/2	1,739.43	1/2	1,384.75	1/2	1,030.11	1/2	675.78	1/2	321.11	1/2	1/2		1/2		1/2
3/4	2,441.41	3/4	2,086.72	3/4	1,732.04	3/4	1,377.36	3/4	1,022.73	3/4	668.39	3/4	313.72	3/4	3/4		3/4		3/4
2	2,434.02	2	2,079.34	2	1,724.65	2	1,369.97	2	1,015.34	2	661.00	2	306.33	2	2		2		2
1/4	2,426.63	1/4	2,071.95	1/4	1,717.26	1/4	1,362.58	1/4	1,007.96	1/4	653.61	1/4	298.94	1/4	1/4		1/4		1/4
1/2	2,419.24	1/2	2,064.56	1/2	1,709.88	1/2	1,355.19	1/2	1,000.58	1/2	646.22	1/2	291.55	1/2	1/2		1/2		1/2
3/4	2,411.85	3/4	2,057.17	3/4	1,702.49	3/4	1,347.80	3/4	993.21	3/4	638.84	3/4	284.16	3/4	3/4		3/4		3/4
3	2,404.46	3	2,049.78	3	1,695.10	3	1,340.42	3	985.83	3	631.45	3	276.78	3	3		3		3
1/4	2,397.07	1/4	2,042.39	1/4	1,687.71	1/4	1,333.03	1/4	978.45	1/4	624.06	1/4	269.39	1/4	1/4		1/4		1/4
1/2	2,389.68	1/2	2,035.00	1/2	1,680.32	1/2	1,325.64	1/2	971.07	1/2	616.67	1/2	262.00	1/2	1/2		1/2		1/2
3/4	2,382.29	3/4	2,027.61	3/4	1,672.93	3/4	1,318.25	3/4	963.69	3/4	609.28	3/4	254.61	3/4	3/4		3/4		3/4
4	2,374.90	4	2,020.22	4	1,665.54	4	1,310.86	4	956.31	4	601.89	4	247.23	4	4		4		4
1/4	2,367.51	1/4	2,012.83	1/4	1,658.15	1/4	1,303.47	1/4	948.93	1/4	594.50	1/4	239.84	1/4	1/4		1/4		1/4
1/2	2,360.12	1/2	2,005.44	1/2	1,650.76	1/2	1,296.08	1/2	941.56	1/2	587.11	1/2	232.45	1/2	1/2		1/2		1/2
3/4	2,352.74	3/4	1,998.05	3/4	1,643.37	3/4	1,288.69	3/4	934.18	3/4	579.72	3/4	225.07	3/4	3/4		3/4		3/4
5	2,345.35	5	1,990.66	5	1,635.98	5	1,281.30	5	926.80	5	572.33	5	217.70	5	5		5		5
1/4	2,337.96	1/4	1,983.28	1/4	1,628.59	1/4	1,273.91	1/4	919.42	1/4	564.95	1/4	210.32	1/4	1/4		1/4		1/4
1/2	2,330.57	1/2	1,975.89	1/2	1,621.20	1/2	1,266.52	1/2	912.04	1/2	557.56	1/2	202.94	1/2	1/2		1/2		1/2
3/4	2,323.18	3/4	1,968.50	3/4	1,613.82	3/4	1,259.13	3/4	904.66	3/4	550.17	3/4	195.57	3/4	3/4		3/4		3/4
6	2,315.79	6	1,961.11	6	1,606.43	6	1,251.74	6	897.29	6	542.78	6	188.20	6	6		6		6
1/4	2,308.40	1/4	1,953.72	1/4	1,599.04	1/4	1,244.36	1/4	889.91	1/4	535.39	1/4	180.84	1/4	1/4		1/4		1/4
1/2	2,301.01	1/2	1,946.33	1/2	1,591.65	1/2	1,236.97	1/2	882.53	1/2	528.00	1/2	173.47	1/2	1/2		1/2		1/2
3/4	2,293.62	3/4	1,938.94	3/4	1,584.26	3/4	1,229.58	3/4	875.15	3/4	520.61	3/4	166.12	3/4	3/4		3/4		3/4
7	2,286.23	7	1,931.55	7	1,576.87	7	1,222.19	7	867.77	7	513.22	7	158.77	7	7		7		7
1/4	2,278.84	1/4	1,924.16	1/4	1,569.48	1/4	1,214.80	1/4	860.39	1/4	505.83	1/4	151.43	1/4	1/4		1/4		1/4
1/2	2,271.45	1/2	1,916.77	1/2	1,562.09	1/2	1,207.41	1/2	853.01	1/2	498.44	1/2	144.08	1/2	1/2		1/2		1/2
3/4	2,264.07	3/4	1,909.38	3/4	1,554.70	3/4	1,200.02	3/4	845.64	3/4	491.06	3/4	136.76	3/4	3/4		3/4		3/4
8	2,256.68	8	1,901.99	8	1,547.31	8	1,192.63	8	838.26	8	483.67	8	129.45	8	8		8		8
1/4	2,249.29	1/4	1,894.61	1/4	1,539.92	1/4	1,185.24	1/4	830.88	1/4	476.28	1/4	122.13	1/4	1/4		1/4		1/4
1/2	2,241.90	1/2	1,887.22	1/2	1,532.53	1/2	1,177.85	1/2	823.50	1/2	468.89	1/2	114.82	1/2	1/2		1/2		1/2
3/4	2,234.51	3/4	1,879.83	3/4	1,525.15	3/4	1,170.46	3/4	816.12	3/4	461.50	3/4	107.80	3/4	3/4		3/4		3/4
9	2,227.12	9	1,872.44	9	1,517.76	9	1,163.07	9	808.74	9	454.11	9	100.78	9	9		9		9
1/4	2,219.73	1/4	1,865.05	1/4	1,510.37	1/4	1,155.69	1/4	801.36	1/4	446.72	1/4	93.76	1/4	1/4		1/4		1/4
1/2	2,212.34	1/2	1,857.66	1/2	1,502.98	1/2	1,148.30	1/2	793.99	1/2	439.33	1/2	86.73	1/2	1/2		1/2		1/2
3/4	2,204.95	3/4	1,850.27	3/4	1,495.59	3/4	1,140.91	3/4	786.60	3/4	431.94	3/4	80.54	3/4	3/4		3/4		3/4
10	2,197.56	10	1,842.88	10	1,488.20	10	1,133.52	10	779.22	10	424.55	10	74.34	10	10		10		10
1/4	2,190.17	1/4	1,835.49	1/4	1,480.81	1/4	1,126.13	1/4	771.83	1/4	417.17	1/4	68.14	1/4	1/4		1/4		1/4
1/2	2,182.78	1/2	1,828.10	1/2	1,473.42	1/2	1,118.74	1/2	764.45	1/2	409.78	1/2	61.94	1/2	1/2		1/2		1/2
3/4	2,175.39	3/4	1,820.71	3/4	1,466.03	3/4	1,111.35	3/4	757.06	3/4	402.39	3/4	56.80	3/4	3/4		3/4		3/4
11	2,168.01	11	1,813.32	11	1,458.64	11	1,103.96	11	749.67	11	395.00	11	51.65	11	11		11		11
1/4	2,160.62	1/4	1,805.93	1/4	1,451.25	1/4	1,096.57	1/4	742.28	1/4	387.61	1/4	46.50	1/4	1/4		1/4		1/4
1/2	2,153.23	1/2	1,798.55	1/2	1,443.86	1/2	1,089.18	1/2	734.89	1/2	380.22	1/2	41.36	1/2	1/2		1/2		1/2
3/4	2,145.84	3/4	1,791.16	3/4	1,436.47	3/4	1,081.80	3/4	727.50	3/4	372.83	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/03/2013 SW
NAME CHANGE: 10/13/2023 JS
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "KIRBY 28091"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY" SMI 30053"

GAUGE HEIGHT 16'-11 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
									4,660.14		4,303.32		3,945.95		3,587.04		3,228.14		2,869.24		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,652.70	1/4	4,295.89	1/4	3,938.47	1/4	3,579.57	1/4	3,220.67	1/4	2,861.77		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,992.03	1/2	4,645.27	1/2	4,288.45	1/2	3,930.99	1/2	3,572.09	1/2	3,213.19	1/2	2,854.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,986.13	3/4	4,637.84	3/4	4,281.02	3/4	3,923.51	3/4	3,564.61	3/4	3,205.71	3/4	2,846.81
1	1	1	1	1	1	1	1	1	4,630.40	1	4,273.58	1	3,916.04	1	3,557.14	1	3,198.24	1	2,839.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,974.33	1/4	4,622.97	1/4	4,266.15	1/4	3,908.56	1/4	3,549.66	1/4	3,190.76	1/4	2,831.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,968.43	1/2	4,615.53	1/2	4,258.72	1/2	3,901.08	1/2	3,542.18	1/2	3,183.28	1/2	2,824.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,961.56	3/4	4,608.10	3/4	4,251.28	3/4	3,893.61	3/4	3,534.70	3/4	3,175.80	3/4	2,816.90
2	2	2	2	2	2	2	2	2	4,954.69	2	4,600.67	2	4,243.85	2	3,886.13	2	3,527.23	2	3,168.33	2	2,809.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,947.82	1/4	4,593.23	1/4	4,236.42	1/4	3,878.65	1/4	3,519.75	1/4	3,160.85	1/4	2,801.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,940.95	1/2	4,585.80	1/2	4,228.98	1/2	3,871.17	1/2	3,512.27	1/2	3,153.37	1/2	2,794.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,933.65	3/4	4,578.37	3/4	4,221.55	3/4	3,863.70	3/4	3,504.80	3/4	3,145.90	3/4	2,786.99
3	3	3	3	3	3	3	3	3	4,926.35	3	4,570.93	3	4,214.11	3	3,856.22	3	3,497.32	3	3,138.42	3	2,779.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,919.05	1/4	4,563.50	1/4	4,206.68	1/4	3,848.74	1/4	3,489.84	1/4	3,130.94	1/4	2,772.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,911.75	1/2	4,556.06	1/2	4,199.25	1/2	3,841.27	1/2	3,482.37	1/2	3,123.46	1/2	2,764.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,904.39	3/4	4,548.63	3/4	4,191.81	3/4	3,833.79	3/4	3,474.89	3/4	3,115.99	3/4	2,757.09
4	4	4	4	4	4	4	4	4	4,897.03	4	4,541.20	4	4,184.38	4	3,826.31	4	3,467.41	4	3,108.51	4	2,749.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,889.67	1/4	4,533.76	1/4	4,176.95	1/4	3,818.83	1/4	3,459.93	1/4	3,101.03	1/4	2,742.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,882.31	1/2	4,526.33	1/2	4,169.51	1/2	3,811.36	1/2	3,452.46	1/2	3,093.56	1/2	2,734.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,874.94	3/4	4,518.90	3/4	4,162.08	3/4	3,803.88	3/4	3,444.98	3/4	3,086.08	3/4	2,727.18
5	5	5	5	5	5	5	5	5	4,867.57	5	4,514.46	5	4,154.65	5	3,796.40	5	3,437.50	5	3,078.60	5	2,719.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,860.21	1/4	4,504.03	1/4	4,147.21	1/4	3,788.93	1/4	3,430.03	1/4	3,071.12	1/4	2,712.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,852.84	1/2	4,496.60	1/2	4,139.78	1/2	3,781.45	1/2	3,422.55	1/2	3,063.65	1/2	2,704.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,845.47	3/4	4,489.16	3/4	4,132.34	3/4	3,773.97	3/4	3,415.07	3/4	3,056.17	3/4	2,697.27
6	6	6	6	6	6	6	6	6	4,838.10	6	4,481.73	6	4,124.91	6	3,766.50	6	3,407.59	6	3,048.69	6	2,689.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,830.73	1/4	4,474.29	1/4	4,117.48	1/4	3,759.02	1/4	3,400.12	1/4	3,041.22	1/4	2,682.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,823.36	1/2	4,466.86	1/2	4,110.04	1/2	3,751.54	1/2	3,392.64	1/2	3,033.74	1/2	2,674.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,815.99	3/4	4,459.43	3/4	4,102.61	3/4	3,744.06	3/4	3,385.16	3/4	3,026.26	3/4	2,667.36
7	7	7	7	7	7	7	7	7	4,808.62	7	4,451.99	7	4,095.18	7	3,736.59	7	3,377.69	7	3,018.79	7	2,659.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,801.25	1/4	4,444.56	1/4	4,087.74	1/4	3,729.11	1/4	3,370.21	1/4	3,011.31	1/4	2,652.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,793.88	1/2	4,437.13	1/2	4,080.31	1/2	3,721.63	1/2	3,362.73	1/2	3,003.83	1/2	2,644.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,786.47	3/4	4,429.69	3/4	4,072.87	3/4	3,714.16	3/4	3,355.25	3/4	2,996.35	3/4	2,637.45
8	8	8	8	8	8	8	8	8	4,779.05	8	4,422.26	8	4,065.44	8	3,706.68	8	3,347.78	8	2,988.88	8	2,629.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,771.64	1/4	4,414.82	1/4	4,058.01	1/4	3,699.20	1/4	3,340.30	1/4	2,981.40	1/4	2,622.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,764.23	1/2	4,407.39	1/2	4,050.57	1/2	3,691.72	1/2	3,332.82	1/2	2,973.92	1/2	2,615.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,756.79	3/4	4,399.96	3/4	4,043.11	3/4	3,684.25	3/4	3,325.35	3/4	2,966.45	3/4	2,607.54
9	9	9	9	9	9	9	9	9	4,749.35	9	4,392.52	9	4,035.64	9	3,676.77	9	3,317.87	9	2,958.97	9	2,600.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,741.92	1/4	4,385.09	1/4	4,028.18	1/4	3,669.29	1/4	3,310.39	1/4	2,951.49	1/4	2,592.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,734.48	1/2	4,377.66	1/2	4,020.72	1/2	3,661.82	1/2	3,302.91	1/2	2,944.01	1/2	2,585.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,727.04	3/4	4,370.22	3/4	4,013.24	3/4	3,654.34	3/4	3,295.44	3/4	2,936.54	3/4	2,577.62
10	10	10	10	10	10	10	10	10	4,719.61	10	4,362.79	10	4,005.76	10	3,646.86	10	3,287.96	10	2,929.06	10	2,570.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,712.17	1/4	4,355.35	1/4	3,998.29	1/4	3,639.38	1/4	3,280.48	1/4	2,921.58	1/4	2,562.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,704.74	1/2	4,347.92	1/2	3,990.81	1/2	3,631.91	1/2	3,273.01	1/2	2,914.11	1/2	2,555.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,697.31	3/4	4,340.49	3/4	3,983.33	3/4	3,624.43	3/4	3,265.53	3/4	2,906.63	3/4	2,547.69
11	11	11	11	11	11	11	11	11	4,689.87	11	4,333.05	11	3,975.85	11	3,616.95	11	3,258.05	11	2,899.15	11	2,540.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,682.44	1/4	4,325.62	1/4	3,968.38	1/4	3,609.48	1/4	3,250.58	1/4	2,891.67	1/4	2,532.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,675.00	1/2	4,318.19	1/2	3,960.90	1/2	3,602.00	1/2	3,243.10	1/2	2,884.20	1/2	2,525.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,667.57	3/4	4,310.75	3/4	3,953.42	3/4	3,594.52	3/4	3,235.62	3/4	2,876.72	3/4	2,517.77

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 14'-08" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28091"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30053"

GAUGE HEIGHT 16'-11 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	2,510.29	0	2,151.18	0	1,792.06	0	1,432.95	0	1,076.27	0	729.10	0	370.00	0		0		0	
1/4	2,502.81	1/4	2,143.69	1/4	1,784.58	1/4	1,425.47	1/4	1,069.08	1/4	721.62	1/4	362.52	1/4	1/4	1/4		1/4	1/4
1/2	2,495.32	1/2	2,136.21	1/2	1,777.10	1/2	1,417.99	1/2	1,061.89	1/2	714.14	1/2	355.04	1/2	1/2	1/2		1/2	1/2
3/4	2,487.84	3/4	2,128.73	3/4	1,769.62	3/4	1,410.51	3/4	1,054.71	3/4	706.66	3/4	347.56	3/4	3/4	3/4		3/4	3/4
1	2,480.36	1	2,121.25	1	1,762.14	1	1,403.03	1	1,047.52	1	699.18	1	340.08	1	1	1		1	1
1/4	2,472.88	1/4	2,113.77	1/4	1,754.66	1/4	1,395.54	1/4	1,040.34	1/4	691.69	1/4	332.60	1/4	1/4	1/4		1/4	1/4
1/2	2,465.40	1/2	2,106.29	1/2	1,747.17	1/2	1,388.06	1/2	1,033.16	1/2	684.21	1/2	325.12	1/2	1/2	1/2		1/2	1/2
3/4	2,457.92	3/4	2,098.80	3/4	1,739.69	3/4	1,380.58	3/4	1,025.98	3/4	676.73	3/4	317.63	3/4	3/4	3/4		3/4	3/4
2	2,450.44	2	2,091.32	2	1,732.21	2	1,373.10	2	1,018.80	2	669.25	2	310.15	2	2	2		2	2
1/4	2,442.95	1/4	2,083.84	1/4	1,724.73	1/4	1,365.62	1/4	1,011.62	1/4	661.77	1/4	302.67	1/4	1/4	1/4		1/4	1/4
1/2	2,435.47	1/2	2,076.36	1/2	1,717.25	1/2	1,358.14	1/2	1,004.44	1/2	654.29	1/2	295.19	1/2	1/2	1/2		1/2	1/2
3/4	2,427.99	3/4	2,068.88	3/4	1,709.77	3/4	1,350.65	3/4	997.26	3/4	646.81	3/4	287.71	3/4	3/4	3/4		3/4	3/4
3	2,420.51	3	2,061.40	3	1,702.29	3	1,343.17	3	990.08	3	639.33	3	280.23	3	3	3		3	3
1/4	2,413.03	1/4	2,053.92	1/4	1,694.80	1/4	1,335.69	1/4	982.90	1/4	631.85	1/4	272.75	1/4	1/4	1/4		1/4	1/4
1/2	2,405.55	1/2	2,046.43	1/2	1,687.32	1/2	1,328.21	1/2	975.73	1/2	624.36	1/2	265.27	1/2	1/2	1/2		1/2	1/2
3/4	2,398.06	3/4	2,038.95	3/4	1,679.84	3/4	1,320.73	3/4	968.55	3/4	616.88	3/4	257.79	3/4	3/4	3/4		3/4	3/4
4	2,390.58	4	2,031.47	4	1,672.36	4	1,313.25	4	961.37	4	609.40	4	250.31	4	4	4		4	4
1/4	2,383.10	1/4	2,023.99	1/4	1,664.88	1/4	1,305.77	1/4	954.19	1/4	601.92	1/4	242.83	1/4	1/4	1/4		1/4	1/4
1/2	2,375.62	1/2	2,016.51	1/2	1,657.40	1/2	1,298.28	1/2	947.02	1/2	594.44	1/2	235.35	1/2	1/2	1/2		1/2	1/2
3/4	2,368.14	3/4	2,009.03	3/4	1,649.91	3/4	1,290.80	3/4	939.84	3/4	586.96	3/4	227.88	3/4	3/4	3/4		3/4	3/4
5	2,360.66	5	2,001.55	5	1,642.43	5	1,283.32	5	932.66	5	579.48	5	220.41	5	5	5		5	5
1/4	2,353.18	1/4	1,994.06	1/4	1,634.95	1/4	1,275.84	1/4	925.48	1/4	572.00	1/4	212.94	1/4	1/4	1/4		1/4	1/4
1/2	2,345.69	1/2	1,986.58	1/2	1,627.47	1/2	1,268.36	1/2	918.31	1/2	564.51	1/2	205.47	1/2	1/2	1/2		1/2	1/2
3/4	2,338.21	3/4	1,979.10	3/4	1,619.99	3/4	1,260.88	3/4	911.13	3/4	557.03	3/4	198.01	3/4	3/4	3/4		3/4	3/4
6	2,330.73	6	1,971.62	6	1,612.51	6	1,253.40	6	903.95	6	549.55	6	190.55	6	6	6		6	6
1/4	2,323.25	1/4	1,964.14	1/4	1,605.03	1/4	1,245.91	1/4	896.77	1/4	542.07	1/4	183.09	1/4	1/4	1/4		1/4	1/4
1/2	2,315.77	1/2	1,956.66	1/2	1,597.54	1/2	1,238.43	1/2	889.59	1/2	534.59	1/2	175.63	1/2	1/2	1/2		1/2	1/2
3/4	2,308.29	3/4	1,949.17	3/4	1,590.06	3/4	1,230.95	3/4	882.42	3/4	527.11	3/4	168.19	3/4	3/4	3/4		3/4	3/4
7	2,300.81	7	1,941.69	7	1,582.58	7	1,223.47	7	875.24	7	519.63	7	160.75	7	7	7		7	7
1/4	2,293.32	1/4	1,934.21	1/4	1,575.10	1/4	1,215.99	1/4	868.06	1/4	512.15	1/4	153.31	1/4	1/4	1/4		1/4	1/4
1/2	2,285.84	1/2	1,926.73	1/2	1,567.62	1/2	1,208.51	1/2	860.88	1/2	504.66	1/2	145.87	1/2	1/2	1/2		1/2	1/2
3/4	2,278.36	3/4	1,919.25	3/4	1,560.14	3/4	1,201.02	3/4	853.71	3/4	497.18	3/4	138.47	3/4	3/4	3/4		3/4	3/4
8	2,270.88	8	1,911.77	8	1,552.66	8	1,193.54	8	846.53	8	489.70	8	131.06	8	8	8		8	8
1/4	2,263.40	1/4	1,904.29	1/4	1,545.17	1/4	1,186.06	1/4	839.35	1/4	482.22	1/4	123.65	1/4	1/4	1/4		1/4	1/4
1/2	2,255.92	1/2	1,896.80	1/2	1,537.69	1/2	1,178.58	1/2	832.17	1/2	474.74	1/2	116.25	1/2	1/2	1/2		1/2	1/2
3/4	2,248.43	3/4	1,889.32	3/4	1,530.21	3/4	1,171.10	3/4	825.00	3/4	467.26	3/4	109.14	3/4	3/4	3/4		3/4	3/4
9	2,240.95	9	1,881.84	9	1,522.73	9	1,163.62	9	817.82	9	459.78	9	102.03	9	9	9		9	9
1/4	2,233.47	1/4	1,874.36	1/4	1,515.25	1/4	1,156.14	1/4	810.64	1/4	452.30	1/4	94.92	1/4	1/4	1/4		1/4	1/4
1/2	2,225.99	1/2	1,866.88	1/2	1,507.77	1/2	1,148.65	1/2	803.46	1/2	444.82	1/2	87.81	1/2	1/2	1/2		1/2	1/2
3/4	2,218.51	3/4	1,859.40	3/4	1,500.28	3/4	1,141.35	3/4	796.09	3/4	437.33	3/4	81.54	3/4	3/4	3/4		3/4	3/4
10	2,211.03	10	1,851.92	10	1,492.80	10	1,134.05	10	788.73	10	429.85	10	75.26	10	10	10		10	10
1/4	2,203.55	1/4	1,844.43	1/4	1,485.32	1/4	1,126.74	1/4	781.36	1/4	422.37	1/4	68.99	1/4	1/4	1/4		1/4	1/4
1/2	2,196.06	1/2	1,836.95	1/2	1,477.84	1/2	1,119.44	1/2	773.99	1/2	414.89	1/2	62.71	1/2	1/2	1/2		1/2	1/2
3/4	2,188.58	3/4	1,829.47	3/4	1,470.36	3/4	1,112.24	3/4	766.51	3/4	407.41	3/4	57.50	3/4	3/4	3/4		3/4	3/4
11	2,181.10	11	1,821.99	11	1,462.88	11	1,105.04	11	759.03	11	399.93	11	52.29	11	11	11		11	11
1/4	2,173.62	1/4	1,814.51	1/4	1,455.40	1/4	1,097.84	1/4	751.54	1/4	392.45	1/4	47.08	1/4	1/4	1/4		1/4	1/4
1/2	2,166.14	1/2	1,807.03	1/2	1,447.91	1/2	1,090.64	1/2	744.06	1/2	384.97	1/2	41.87	1/2	1/2	1/2		1/2	1/2
3/4	2,158.66	3/4	1,799.54	3/4	1,440.43	3/4	1,083.45	3/4	736.58	3/4	377.48	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/03/2013 SW
NAME CHANGE: 10/13/2023 JS
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "KIRBY 28091"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30053"

GAUGE HEIGHT 16'-11 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
									4,683.25		4,326.31		3,968.87		3,609.83		3,250.80		2,891.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,675.82	1/4	4,318.88	1/4	3,961.39	1/4	3,602.35	1/4	3,243.32	1/4	2,884.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,668.38	1/2	4,311.44	1/2	3,953.91	1/2	3,594.88	1/2	3,235.84	1/2	2,876.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,008.65	3/4	4,660.95	3/4	4,304.00	3/4	3,946.43	3/4	3,587.40	3/4	3,228.36
1	1	1	1	1	1	1	1	1	5,002.75	1	4,653.51	1	4,296.57	1	3,938.95	1	3,579.92	1	3,220.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,996.85	1/4	4,646.07	1/4	4,289.13	1/4	3,931.47	1/4	3,572.44	1/4	3,213.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,990.95	1/2	4,638.64	1/2	4,281.69	1/2	3,923.99	1/2	3,564.96	1/2	3,205.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,985.05	3/4	4,631.20	3/4	4,274.26	3/4	3,916.51	3/4	3,557.48	3/4	3,198.44
2	2	2	2	2	2	2	2	2	4,978.17	2	4,623.76	2	4,266.82	2	3,909.03	2	3,550.00	2	3,190.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,971.30	1/4	4,616.33	1/4	4,259.39	1/4	3,901.55	1/4	3,542.52	1/4	3,183.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,964.43	1/2	4,608.89	1/2	4,251.95	1/2	3,894.07	1/2	3,535.04	1/2	3,176.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,957.56	3/4	4,601.46	3/4	4,244.51	3/4	3,886.59	3/4	3,527.56	3/4	3,168.52
3	3	3	3	3	3	3	3	3	4,950.25	3	4,594.02	3	4,237.08	3	3,879.11	3	3,520.08	3	3,161.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,942.95	1/4	4,586.58	1/4	4,229.64	1/4	3,871.63	1/4	3,512.60	1/4	3,153.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,935.65	1/2	4,579.15	1/2	4,222.20	1/2	3,864.15	1/2	3,505.12	1/2	3,146.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,928.35	3/4	4,571.71	3/4	4,214.77	3/4	3,856.67	3/4	3,497.64	3/4	3,138.60
4	4	4	4	4	4	4	4	4	4,920.99	4	4,564.27	4	4,207.33	4	3,849.19	4	3,490.16	4	3,131.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,913.63	1/4	4,556.84	1/4	4,199.89	1/4	3,841.71	1/4	3,482.68	1/4	3,123.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,906.26	1/2	4,549.40	1/2	4,192.46	1/2	3,834.23	1/2	3,475.20	1/2	3,116.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,898.90	3/4	4,541.96	3/4	4,185.02	3/4	3,826.75	3/4	3,467.72	3/4	3,108.68
5	5	5	5	5	5	5	5	5	4,891.49	5	4,534.53	5	4,177.59	5	3,819.27	5	3,460.24	5	3,101.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,884.07	1/4	4,527.09	1/4	4,170.15	1/4	3,811.79	1/4	3,452.76	1/4	3,093.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,876.66	1/2	4,519.66	1/2	4,162.71	1/2	3,804.31	1/2	3,445.28	1/2	3,086.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,869.24	3/4	4,512.22	3/4	4,155.28	3/4	3,796.83	3/4	3,437.80	3/4	3,078.76
6	6	6	6	6	6	6	6	6	4,861.80	6	4,504.78	6	4,147.84	6	3,789.35	6	3,430.32	6	3,071.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,854.36	1/4	4,497.35	1/4	4,140.40	1/4	3,781.87	1/4	3,422.84	1/4	3,063.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,846.92	1/2	4,489.91	1/2	4,132.97	1/2	3,774.39	1/2	3,415.36	1/2	3,056.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,839.48	3/4	4,482.47	3/4	4,125.53	3/4	3,766.91	3/4	3,407.88	3/4	3,048.84
7	7	7	7	7	7	7	7	7	4,832.04	7	4,475.04	7	4,118.10	7	3,759.43	7	3,400.40	7	3,041.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,824.60	1/4	4,467.60	1/4	4,110.66	1/4	3,751.95	1/4	3,392.92	1/4	3,033.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,817.16	1/2	4,460.17	1/2	4,103.22	1/2	3,744.47	1/2	3,385.44	1/2	3,026.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,809.72	3/4	4,452.73	3/4	4,095.79	3/4	3,736.99	3/4	3,377.96	3/4	3,018.92
8	8	8	8	8	8	8	8	8	4,802.28	8	4,445.29	8	4,088.35	8	3,729.51	8	3,370.48	8	3,011.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,794.84	1/4	4,437.86	1/4	4,080.91	1/4	3,722.03	1/4	3,363.00	1/4	3,003.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,787.40	1/2	4,430.42	1/2	4,073.48	1/2	3,714.55	1/2	3,355.52	1/2	2,996.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,779.96	3/4	4,422.98	3/4	4,066.04	3/4	3,707.07	3/4	3,348.04	3/4	2,989.00
9	9	9	9	9	9	9	9	9	4,772.51	9	4,415.55	9	4,058.58	9	3,699.59	9	3,340.56	9	2,981.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,765.07	1/4	4,408.11	1/4	4,051.12	1/4	3,692.11	1/4	3,333.08	1/4	2,974.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,757.63	1/2	4,400.68	1/2	4,043.65	1/2	3,684.63	1/2	3,325.60	1/2	2,966.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,750.19	3/4	4,393.24	3/4	4,036.19	3/4	3,677.15	3/4	3,318.12	3/4	2,959.08
10	10	10	10	10	10	10	10	10	4,742.75	10	4,385.80	10	4,028.71	10	3,669.67	10	3,310.64	10	2,951.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,735.31	1/4	4,378.37	1/4	4,021.23	1/4	3,662.19	1/4	3,303.16	1/4	2,944.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,727.88	1/2	4,370.93	1/2	4,013.75	1/2	3,654.71	1/2	3,295.68	1/2	2,936.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,720.44	3/4	4,363.49	3/4	4,006.27	3/4	3,647.23	3/4	3,288.20	3/4	2,929.16
11	11	11	11	11	11	11	11	11	4,713.00	11	4,356.06	11	3,998.79	11	3,639.75	11	3,280.72	11	2,921.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,705.56	1/4	4,348.62	1/4	3,991.31	1/4	3,632.27	1/4	3,273.24	1/4	2,914.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,698.13	1/2	4,341.18	1/2	3,983.83	1/2	3,624.79	1/2	3,265.76	1/2	2,906.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,690.69	3/4	4,333.75	3/4	3,976.35	3/4	3,617.31	3/4	3,258.28	3/4	2,899.24

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 14'-08" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 28091"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30053"

GAUGE HEIGHT 16'-11 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	2,532.67	0	2,173.43	0	1,814.19	0	1,454.95	0	1,095.71	0	736.85	0	377.62	0		0		0	
1/4	2,525.19	1/4	2,165.95	1/4	1,806.71	1/4	1,447.47	1/4	1,088.23	1/4	729.37	1/4	370.14	1/4	1/4		1/4		1/4
1/2	2,517.71	1/2	2,158.46	1/2	1,799.22	1/2	1,439.98	1/2	1,080.75	1/2	721.89	1/2	362.65	1/2	1/2		1/2		1/2
3/4	2,510.22	3/4	2,150.98	3/4	1,791.74	3/4	1,432.50	3/4	1,073.27	3/4	714.40	3/4	355.17	3/4	3/4		3/4		3/4
1	2,502.74	1	2,143.50	1	1,784.25	1	1,425.01	1	1,065.79	1	706.92	1	347.69	1	1		1		1
1/4	2,495.25	1/4	2,136.01	1/4	1,776.77	1/4	1,417.53	1/4	1,058.31	1/4	699.43	1/4	340.20	1/4	1/4		1/4		1/4
1/2	2,487.77	1/2	2,128.53	1/2	1,769.29	1/2	1,410.04	1/2	1,050.83	1/2	691.95	1/2	332.72	1/2	1/2		1/2		1/2
3/4	2,480.29	3/4	2,121.04	3/4	1,761.80	3/4	1,402.56	3/4	1,043.36	3/4	684.47	3/4	325.23	3/4	3/4		3/4		3/4
2	2,472.80	2	2,113.56	2	1,754.32	2	1,395.08	2	1,035.88	2	676.98	2	317.75	2	2		2		2
1/4	2,465.32	1/4	2,106.08	1/4	1,746.83	1/4	1,387.59	1/4	1,028.41	1/4	669.50	1/4	310.27	1/4	1/4		1/4		1/4
1/2	2,457.83	1/2	2,098.59	1/2	1,739.35	1/2	1,380.11	1/2	1,020.93	1/2	662.01	1/2	302.78	1/2	1/2		1/2		1/2
3/4	2,450.35	3/4	2,091.11	3/4	1,731.87	3/4	1,372.62	3/4	1,013.46	3/4	654.53	3/4	295.30	3/4	3/4		3/4		3/4
3	2,442.86	3	2,083.62	3	1,724.38	3	1,365.14	3	1,005.98	3	647.05	3	287.81	3	3		3		3
1/4	2,435.38	1/4	2,076.14	1/4	1,716.90	1/4	1,357.66	1/4	998.51	1/4	639.56	1/4	280.33	1/4	1/4		1/4		1/4
1/2	2,427.90	1/2	2,068.65	1/2	1,709.41	1/2	1,350.17	1/2	991.03	1/2	632.08	1/2	272.85	1/2	1/2		1/2		1/2
3/4	2,420.41	3/4	2,061.17	3/4	1,701.93	3/4	1,342.69	3/4	983.56	3/4	624.59	3/4	265.36	3/4	3/4		3/4		3/4
4	2,412.93	4	2,053.69	4	1,694.44	4	1,335.20	4	976.09	4	617.11	4	257.88	4	4		4		4
1/4	2,405.44	1/4	2,046.20	1/4	1,686.96	1/4	1,327.72	1/4	968.61	1/4	609.63	1/4	250.40	1/4	1/4		1/4		1/4
1/2	2,397.96	1/2	2,038.72	1/2	1,679.48	1/2	1,320.23	1/2	961.14	1/2	602.14	1/2	242.92	1/2	1/2		1/2		1/2
3/4	2,390.47	3/4	2,031.23	3/4	1,671.99	3/4	1,312.75	3/4	953.67	3/4	594.66	3/4	235.44	3/4	3/4		3/4		3/4
5	2,382.99	5	2,023.75	5	1,664.51	5	1,305.27	5	946.19	5	587.17	5	227.97	5	5		5		5
1/4	2,375.51	1/4	2,016.26	1/4	1,657.02	1/4	1,297.78	1/4	938.72	1/4	579.69	1/4	220.49	1/4	1/4		1/4		1/4
1/2	2,368.02	1/2	2,008.78	1/2	1,649.54	1/2	1,290.30	1/2	931.25	1/2	572.21	1/2	213.02	1/2	1/2		1/2		1/2
3/4	2,360.54	3/4	2,001.30	3/4	1,642.05	3/4	1,282.81	3/4	923.77	3/4	564.72	3/4	205.54	3/4	3/4		3/4		3/4
6	2,353.05	6	1,993.81	6	1,634.57	6	1,275.33	6	916.30	6	557.24	6	198.08	6	6		6		6
1/4	2,345.57	1/4	1,986.33	1/4	1,627.09	1/4	1,267.84	1/4	908.83	1/4	549.75	1/4	190.62	1/4	1/4		1/4		1/4
1/2	2,338.09	1/2	1,978.84	1/2	1,619.60	1/2	1,260.36	1/2	901.35	1/2	542.27	1/2	183.16	1/2	1/2		1/2		1/2
3/4	2,330.60	3/4	1,971.36	3/4	1,612.12	3/4	1,252.88	3/4	893.88	3/4	534.79	3/4	175.69	3/4	3/4		3/4		3/4
7	2,323.12	7	1,963.88	7	1,604.63	7	1,245.39	7	886.40	7	527.30	7	168.25	7	7		7		7
1/4	2,315.63	1/4	1,956.39	1/4	1,597.15	1/4	1,237.91	1/4	878.93	1/4	519.82	1/4	160.81	1/4	1/4		1/4		1/4
1/2	2,308.15	1/2	1,948.91	1/2	1,589.67	1/2	1,230.42	1/2	871.46	1/2	512.33	1/2	153.37	1/2	1/2		1/2		1/2
3/4	2,300.66	3/4	1,941.42	3/4	1,582.18	3/4	1,222.94	3/4	863.98	3/4	504.85	3/4	145.93	3/4	3/4		3/4		3/4
8	2,293.18	8	1,933.94	8	1,574.70	8	1,215.46	8	856.51	8	497.37	8	138.52	8	8		8		8
1/4	2,285.70	1/4	1,926.45	1/4	1,567.21	1/4	1,207.97	1/4	849.04	1/4	489.88	1/4	131.11	1/4	1/4		1/4		1/4
1/2	2,278.21	1/2	1,918.97	1/2	1,559.73	1/2	1,200.49	1/2	841.56	1/2	482.40	1/2	123.70	1/2	1/2		1/2		1/2
3/4	2,270.73	3/4	1,911.49	3/4	1,552.24	3/4	1,193.00	3/4	834.09	3/4	474.91	3/4	116.29	3/4	3/4		3/4		3/4
9	2,263.24	9	1,904.00	9	1,544.76	9	1,185.52	9	826.62	9	467.43	9	109.18	9	9		9		9
1/4	2,255.76	1/4	1,896.52	1/4	1,537.28	1/4	1,178.03	1/4	819.14	1/4	459.95	1/4	102.07	1/4	1/4		1/4		1/4
1/2	2,248.28	1/2	1,889.03	1/2	1,529.79	1/2	1,170.55	1/2	811.67	1/2	452.46	1/2	94.96	1/2	1/2		1/2		1/2
3/4	2,240.79	3/4	1,881.55	3/4	1,522.31	3/4	1,163.07	3/4	804.19	3/4	444.98	3/4	87.85	3/4	3/4		3/4		3/4
10	2,233.31	10	1,874.07	10	1,514.82	10	1,155.58	10	796.71	10	437.49	10	81.57	10	10		10		10
1/4	2,225.82	1/4	1,866.58	1/4	1,507.34	1/4	1,148.10	1/4	789.23	1/4	430.01	1/4	75.29	1/4	1/4		1/4		1/4
1/2	2,218.34	1/2	1,859.10	1/2	1,499.86	1/2	1,140.61	1/2	781.75	1/2	422.53	1/2	69.01	1/2	1/2		1/2		1/2
3/4	2,210.85	3/4	1,851.61	3/4	1,492.37	3/4	1,133.13	3/4	774.27	3/4	415.04	3/4	62.73	3/4	3/4		3/4		3/4
11	2,203.37	11	1,844.13	11	1,484.89	11	1,125.65	11	766.79	11	407.56	11	57.52	11	11		11		11
1/4	2,195.89	1/4	1,836.64	1/4	1,477.40	1/4	1,118.16	1/4	759.31	1/4	400.07	1/4	52.31	1/4	1/4		1/4		1/4
1/2	2,188.40	1/2	1,829.16	1/2	1,469.92	1/2	1,110.68	1/2	751.82	1/2	392.59	1/2	47.10	1/2	1/2		1/2		1/2
3/4	2,180.92	3/4	1,821.68	3/4	1,462.43	3/4	1,103.19	3/4	744.34	3/4	385.11	3/4	41.89	3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/03/2013 SW
NAME CHANGE: 10/13/2023 JS
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "KIRBY 28091"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30053"

GAUGE HEIGHT 16'-11 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,211.84	0	3,993.01	0	3,773.89	0	3,553.83	0	3,249.11	0	2,889.27
1/4		1/4		1/4		1/4		1/4	4,207.28	1/4	3,988.45	1/4	3,769.30	1/4	3,549.24	1/4	3,241.64	1/4	2,881.77
1/2		1/2		1/2		1/2		1/2	4,202.72	1/2	3,983.89	1/2	3,764.72	1/2	3,544.66	1/2	3,234.16	1/2	2,874.27
3/4		3/4		3/4		3/4		3/4	4,410.82	3/4	4,198.16	3/4	3,979.33	3/4	3,760.13	3/4	3,540.08	3/4	3,226.69
1		1		1		1		1	4,407.20	1	4,193.60	1	3,974.77	1	3,755.55	1	3,535.38	1	3,219.21
1/4		1/4		1/4		1/4		1/4	4,403.58	1/4	4,189.05	1/4	3,970.21	1/4	3,750.96	1/4	3,530.69	1/4	3,211.74
1/2		1/2		1/2		1/2		1/2	4,399.96	1/2	4,184.49	1/2	3,965.65	1/2	3,746.38	1/2	3,526.00	1/2	3,204.26
3/4		3/4		3/4		3/4		3/4	4,396.34	3/4	4,179.93	3/4	3,961.10	3/4	3,741.79	3/4	3,521.30	3/4	3,196.79
2		2		2		2		2	4,392.13	2	4,175.37	2	3,956.54	2	3,737.21	2	3,516.28	2	3,189.30
1/4		1/4		1/4		1/4		1/4	4,387.92	1/4	4,170.81	1/4	3,951.98	1/4	3,732.62	1/4	3,511.26	1/4	3,181.81
1/2		1/2		1/2		1/2		1/2	4,383.70	1/2	4,166.25	1/2	3,947.42	1/2	3,728.04	1/2	3,506.24	1/2	3,174.32
3/4		3/4		3/4		3/4		3/4	4,379.49	3/4	4,161.69	3/4	3,942.86	3/4	3,723.46	3/4	3,501.22	3/4	3,166.83
3		3		3		3		3	4,375.02	3	4,157.13	3	3,938.30	3	3,718.87	3	3,495.78	3	3,159.33
1/4		1/4		1/4		1/4		1/4	4,370.54	1/4	4,152.57	1/4	3,933.74	1/4	3,714.29	1/4	3,490.34	1/4	3,151.83
1/2		1/2		1/2		1/2		1/2	4,366.06	1/2	4,148.01	1/2	3,929.18	1/2	3,709.70	1/2	3,484.90	1/2	3,144.32
3/4		3/4		3/4		3/4		3/4	4,361.59	3/4	4,143.46	3/4	3,924.62	3/4	3,705.12	3/4	3,479.45	3/4	3,136.82
4		4		4		4		4	4,357.07	4	4,138.90	4	3,920.06	4	3,700.53	4	3,473.60	4	3,129.32
1/4		1/4		1/4		1/4		1/4	4,352.56	1/4	4,134.34	1/4	3,915.51	1/4	3,695.95	1/4	3,467.75	1/4	3,121.82
1/2		1/2		1/2		1/2		1/2	4,348.05	1/2	4,129.78	1/2	3,910.95	1/2	3,691.36	1/2	3,461.89	1/2	3,114.32
3/4		3/4		3/4		3/4		3/4	4,343.53	3/4	4,125.22	3/4	3,906.39	3/4	3,686.78	3/4	3,456.04	3/4	3,106.82
5		5		5		5		5	4,339.02	5	4,120.66	5	3,901.83	5	3,682.20	5	3,449.77	5	3,099.31
1/4		1/4		1/4		1/4		1/4	4,334.50	1/4	4,116.10	1/4	3,897.27	1/4	3,677.61	1/4	3,443.50	1/4	3,091.81
1/2		1/2		1/2		1/2		1/2	4,329.98	1/2	4,111.54	1/2	3,892.71	1/2	3,673.03	1/2	3,437.24	1/2	3,084.31
3/4		3/4		3/4		3/4		3/4	4,325.46	3/4	4,106.98	3/4	3,888.15	3/4	3,668.44	3/4	3,430.97	3/4	3,076.81
6		6		6		6		6	4,320.94	6	4,102.42	6	3,883.59	6	3,663.86	6	3,424.28	6	3,069.31
1/4		1/4		1/4		1/4		1/4	4,316.42	1/4	4,097.87	1/4	3,879.03	1/4	3,659.27	1/4	3,417.59	1/4	3,061.81
1/2		1/2		1/2		1/2		1/2	4,311.90	1/2	4,093.31	1/2	3,874.47	1/2	3,654.69	1/2	3,410.91	1/2	3,054.30
3/4		3/4		3/4		3/4		3/4	4,307.38	3/4	4,088.75	3/4	3,869.92	3/4	3,650.10	3/4	3,404.22	3/4	3,046.80
7		7		7		7		7	4,302.86	7	4,084.19	7	3,865.36	7	3,645.52	7	3,397.11	7	3,039.30
1/4		1/4		1/4		1/4		1/4	4,298.34	1/4	4,079.63	1/4	3,860.80	1/4	3,640.93	1/4	3,390.01	1/4	3,031.80
1/2		1/2		1/2		1/2		1/2	4,293.82	1/2	4,075.07	1/2	3,856.24	1/2	3,636.35	1/2	3,382.90	1/2	3,024.30
3/4		3/4		3/4		3/4		3/4	4,289.30	3/4	4,070.51	3/4	3,851.68	3/4	3,631.77	3/4	3,375.79	3/4	3,016.80
8		8		8		8		8	4,284.76	8	4,065.95	8	3,847.12	8	3,627.18	8	3,368.41	8	3,009.30
1/4		1/4		1/4		1/4		1/4	4,280.21	1/4	4,061.39	1/4	3,842.56	1/4	3,622.60	1/4	3,361.02	1/4	3,001.79
1/2		1/2		1/2		1/2		1/2	4,275.67	1/2	4,056.83	1/2	3,838.00	1/2	3,618.01	1/2	3,353.63	1/2	2,994.29
3/4		3/4		3/4		3/4		3/4	4,271.12	3/4	4,052.28	3/4	3,833.44	3/4	3,613.43	3/4	3,346.24	3/4	2,986.79
9		9		9		9		9	4,266.56	9	4,047.72	9	3,828.87	9	3,608.84	9	3,338.78	9	2,979.29
1/4		1/4		1/4		1/4		1/4	4,262.00	1/4	4,043.16	1/4	3,824.29	1/4	3,604.26	1/4	3,331.31	1/4	2,971.79
1/2		1/2		1/2		1/2		1/2	4,257.44	1/2	4,038.60	1/2	3,819.72	1/2	3,599.67	1/2	3,323.84	1/2	2,964.29
3/4		3/4		3/4		3/4		3/4	4,252.87	3/4	4,034.04	3/4	3,815.15	3/4	3,595.09	3/4	3,316.38	3/4	2,956.78
10		10		10		10		10	4,248.31	10	4,029.48	10	3,810.56	10	3,590.51	10	3,308.90	10	2,949.28
1/4		1/4		1/4		1/4		1/4	4,243.75	1/4	4,024.92	1/4	3,805.98	1/4	3,585.92	1/4	3,301.43	1/4	2,941.78
1/2		1/2		1/2		1/2		1/2	4,239.19	1/2	4,020.36	1/2	3,801.39	1/2	3,581.34	1/2	3,293.96	1/2	2,934.28
3/4		3/4		3/4		3/4		3/4	4,234.64	3/4	4,015.80	3/4	3,796.81	3/4	3,576.75	3/4	3,286.48	3/4	2,926.78
11		11		11		11		11	4,230.08	11	4,011.24	11	3,792.22	11	3,572.17	11	3,279.01	11	2,919.28
1/4		1/4		1/4		1/4		1/4	4,225.52	1/4	4,006.69	1/4	3,787.64	1/4	3,567.58	1/4	3,271.54	1/4	2,911.77
1/2		1/2		1/2		1/2		1/2	4,220.96	1/2	4,002.13	1/2	3,783.05	1/2	3,563.00	1/2	3,264.06	1/2	2,904.27
3/4		3/4		3/4		3/4		3/4	4,216.40	3/4	3,997.57	3/4	3,778.47	3/4	3,558.41	3/4	3,256.59	3/4	2,896.77

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 14'-08" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE KIRBY 28091"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30053"

GAUGE HEIGHT 16'-11 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	2,529.02	0	2,168.79	0	1,808.67	0	1,448.22	0	1,089.34	0	740.43	0	379.68	0		0		0	
1/4	2,521.51	1/4	2,161.30	1/4	1,801.16	1/4	1,440.71	1/4	1,082.04	1/4	732.94	1/4	372.16	1/4	1/4		1/4		1/4
1/2	2,514.00	1/2	2,153.80	1/2	1,793.65	1/2	1,433.20	1/2	1,074.75	1/2	725.45	1/2	364.63	1/2	1/2		1/2		1/2
3/4	2,506.48	3/4	2,146.30	3/4	1,786.14	3/4	1,425.69	3/4	1,067.46	3/4	717.96	3/4	357.10	3/4	3/4		3/4		3/4
1	2,498.97	1	2,138.81	1	1,778.63	1	1,418.18	1	1,060.17	1	710.44	1	349.57	1	1		1		1
1/4	2,491.46	1/4	2,131.31	1/4	1,771.12	1/4	1,410.67	1/4	1,052.88	1/4	702.93	1/4	342.05	1/4	1/4		1/4		1/4
1/2	2,483.94	1/2	2,123.82	1/2	1,763.61	1/2	1,403.16	1/2	1,045.60	1/2	695.41	1/2	334.52	1/2	1/2		1/2		1/2
3/4	2,476.43	3/4	2,116.32	3/4	1,756.10	3/4	1,395.65	3/4	1,038.31	3/4	687.90	3/4	326.99	3/4	3/4		3/4		3/4
2	2,468.92	2	2,108.82	2	1,748.59	2	1,388.14	2	1,031.06	2	680.38	2	319.47	2	2		2		2
1/4	2,461.41	1/4	2,101.33	1/4	1,741.08	1/4	1,380.63	1/4	1,023.82	1/4	672.86	1/4	311.94	1/4	1/4		1/4		1/4
1/2	2,453.89	1/2	2,093.83	1/2	1,733.57	1/2	1,373.13	1/2	1,016.57	1/2	665.35	1/2	304.41	1/2	1/2		1/2		1/2
3/4	2,446.38	3/4	2,086.34	3/4	1,726.06	3/4	1,365.62	3/4	1,009.33	3/4	657.83	3/4	296.89	3/4	3/4		3/4		3/4
3	2,438.87	3	2,078.84	3	1,718.55	3	1,358.11	3	1,002.11	3	650.32	3	289.36	3	3		3		3
1/4	2,431.35	1/4	2,071.34	1/4	1,711.04	1/4	1,350.60	1/4	994.89	1/4	642.80	1/4	281.83	1/4	1/4		1/4		1/4
1/2	2,423.84	1/2	2,063.85	1/2	1,703.53	1/2	1,343.09	1/2	987.67	1/2	635.29	1/2	274.31	1/2	1/2		1/2		1/2
3/4	2,416.33	3/4	2,056.35	3/4	1,696.03	3/4	1,335.58	3/4	980.45	3/4	627.77	3/4	266.78	3/4	3/4		3/4		3/4
4	2,408.81	4	2,048.86	4	1,688.52	4	1,328.07	4	973.23	4	620.26	4	259.26	4	4		4		4
1/4	2,401.30	1/4	2,041.36	1/4	1,681.01	1/4	1,320.56	1/4	966.01	1/4	612.74	1/4	251.73	1/4	1/4		1/4		1/4
1/2	2,393.79	1/2	2,033.86	1/2	1,673.50	1/2	1,313.05	1/2	958.79	1/2	605.23	1/2	244.21	1/2	1/2		1/2		1/2
3/4	2,386.27	3/4	2,026.37	3/4	1,665.99	3/4	1,305.54	3/4	951.57	3/4	597.71	3/4	236.68	3/4	3/4		3/4		3/4
5	2,378.76	5	2,018.87	5	1,658.48	5	1,298.03	5	944.35	5	590.20	5	229.17	5	5		5		5
1/4	2,371.25	1/4	2,011.37	1/4	1,650.97	1/4	1,290.52	1/4	937.13	1/4	582.68	1/4	221.65	1/4	1/4		1/4		1/4
1/2	2,363.74	1/2	2,003.88	1/2	1,643.46	1/2	1,283.01	1/2	929.91	1/2	575.17	1/2	214.13	1/2	1/2		1/2		1/2
3/4	2,356.22	3/4	1,996.38	3/4	1,635.95	3/4	1,275.50	3/4	922.69	3/4	567.65	3/4	206.61	3/4	3/4		3/4		3/4
6	2,348.72	6	1,988.88	6	1,628.44	6	1,268.00	6	915.47	6	560.14	6	199.11	6	6		6		6
1/4	2,341.22	1/4	1,981.37	1/4	1,620.93	1/4	1,260.49	1/4	908.25	1/4	552.62	1/4	191.60	1/4	1/4		1/4		1/4
1/2	2,333.71	1/2	1,973.87	1/2	1,613.42	1/2	1,252.98	1/2	901.03	1/2	545.11	1/2	184.10	1/2	1/2		1/2		1/2
3/4	2,326.21	3/4	1,966.36	3/4	1,605.91	3/4	1,245.47	3/4	893.81	3/4	537.59	3/4	176.60	3/4	3/4		3/4		3/4
7	2,318.71	7	1,958.85	7	1,598.40	7	1,237.96	7	886.59	7	530.08	7	169.11	7	7		7		7
1/4	2,311.22	1/4	1,951.34	1/4	1,590.90	1/4	1,230.45	1/4	879.37	1/4	522.56	1/4	161.63	1/4	1/4		1/4		1/4
1/2	2,303.72	1/2	1,943.83	1/2	1,583.39	1/2	1,222.94	1/2	872.15	1/2	515.05	1/2	154.14	1/2	1/2		1/2		1/2
3/4	2,296.23	3/4	1,936.32	3/4	1,575.88	3/4	1,215.43	3/4	864.93	3/4	507.53	3/4	146.66	3/4	3/4		3/4		3/4
8	2,288.73	8	1,928.81	8	1,568.37	8	1,207.92	8	857.71	8	500.02	8	139.20	8	8		8		8
1/4	2,281.23	1/4	1,921.30	1/4	1,560.86	1/4	1,200.41	1/4	850.49	1/4	492.50	1/4	131.75	1/4	1/4		1/4		1/4
1/2	2,273.74	1/2	1,913.80	1/2	1,553.35	1/2	1,192.90	1/2	843.27	1/2	484.98	1/2	124.30	1/2	1/2		1/2		1/2
3/4	2,266.24	3/4	1,906.29	3/4	1,545.84	3/4	1,185.39	3/4	836.05	3/4	477.47	3/4	116.85	3/4	3/4		3/4		3/4
9	2,258.75	9	1,898.78	9	1,538.33	9	1,177.88	9	828.84	9	469.95	9	109.70	9	9		9		9
1/4	2,251.25	1/4	1,891.27	1/4	1,530.82	1/4	1,170.37	1/4	821.62	1/4	462.44	1/4	102.55	1/4	1/4		1/4		1/4
1/2	2,243.75	1/2	1,883.76	1/2	1,523.31	1/2	1,162.87	1/2	814.40	1/2	454.92	1/2	95.39	1/2	1/2		1/2		1/2
3/4	2,236.26	3/4	1,876.25	3/4	1,515.80	3/4	1,155.36	3/4	807.18	3/4	447.41	3/4	88.24	3/4	3/4		3/4		3/4
10	2,228.76	10	1,868.74	10	1,508.29	10	1,147.98	10	799.81	10	439.89	10	81.93	10	10		10		10
1/4	2,221.27	1/4	1,861.23	1/4	1,500.78	1/4	1,140.60	1/4	792.45	1/4	432.36	1/4	75.61	1/4	1/4		1/4		1/4
1/2	2,213.77	1/2	1,853.72	1/2	1,493.27	1/2	1,133.22	1/2	785.09	1/2	424.84	1/2	69.30	1/2	1/2		1/2		1/2
3/4	2,206.27	3/4	1,846.21	3/4	1,485.77	3/4	1,125.84	3/4	777.72	3/4	417.32	3/4	62.99	3/4	3/4		3/4		3/4
11	2,198.78	11	1,838.70	11	1,478.26	11	1,118.54	11	770.27	11	409.79	11	57.75	11	11		11		11
1/4	2,191.28	1/4	1,831.19	1/4	1,470.75	1/4	1,111.23	1/4	762.82	1/4	402.26	1/4	52.52	1/4	1/4		1/4		1/4
1/2	2,183.78	1/2	1,823.68	1/2	1,463.24	1/2	1,103.93	1/2	755.37	1/2	394.74	1/2	47.28	1/2	1/2		1/2		1/2
3/4	2,176.29	3/4	1,816.17	3/4	1,455.73	3/4	1,096.63	3/4	747.92	3/4	387.21	3/4	42.05	3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/03/2013 SW
NAME CHANGE: 10/13/2023 JS
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "KIRBY 28091"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30053"

GAUGE HEIGHT 16'-11 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	4,428.19	1/4	4,215.65	1/4	3,996.95	1/4	3,777.88	1/4	3,557.96	1/4	3,244.27	1/4	2,883.88
1/2		1/2		1/2		1/2	4,424.57	1/2	4,211.10	1/2	3,992.40	1/2	3,773.30	1/2	3,553.27	1/2	3,236.79	1/2	2,876.37
3/4		3/4		3/4		3/4	4,420.95	3/4	4,206.54	3/4	3,987.84	3/4	3,768.72	3/4	3,548.57	3/4	3,229.30	3/4	2,868.86
1	1	1	1	1	1	1	4,417.34	1	4,201.99	1	3,983.28	1	3,764.14	1	3,543.88	1	3,221.82	1	2,861.34
1/4		1/4		1/4		1/4	4,413.72	1/4	4,197.43	1/4	3,978.73	1/4	3,759.56	1/4	3,539.19	1/4	3,214.34	1/4	2,853.83
1/2		1/2		1/2		1/2	4,409.51	1/2	4,192.87	1/2	3,974.17	1/2	3,754.97	1/2	3,534.18	1/2	3,206.83	1/2	2,846.32
3/4		3/4		3/4		3/4	4,405.30	3/4	4,188.32	3/4	3,969.61	3/4	3,750.39	3/4	3,529.16	3/4	3,199.33	3/4	2,838.81
2	2	2	2	2	2	2	4,401.09	2	4,183.76	2	3,965.06	2	3,745.81	2	3,524.14	2	3,191.83	2	2,831.30
1/4		1/4		1/4		1/4	4,396.88	1/4	4,179.20	1/4	3,960.50	1/4	3,741.23	1/4	3,519.12	1/4	3,184.33	1/4	2,823.79
1/2		1/2		1/2		1/2	4,392.40	1/2	4,174.65	1/2	3,955.95	1/2	3,736.65	1/2	3,513.68	1/2	3,176.82	1/2	2,816.28
3/4		3/4		3/4		3/4	4,387.93	3/4	4,170.09	3/4	3,951.39	3/4	3,732.06	3/4	3,508.25	3/4	3,169.31	3/4	2,808.77
3	3	3	3	3	3	3	4,383.46	3	4,165.54	3	3,946.83	3	3,727.48	3	3,502.81	3	3,161.80	3	2,801.25
1/4		1/4		1/4		1/4	4,378.98	1/4	4,160.98	1/4	3,942.28	1/4	3,722.90	1/4	3,497.37	1/4	3,154.29	1/4	2,793.74
1/2		1/2		1/2		1/2	4,374.47	1/2	4,156.42	1/2	3,937.72	1/2	3,718.32	1/2	3,491.51	1/2	3,146.77	1/2	2,786.23
3/4		3/4		3/4		3/4	4,369.96	3/4	4,151.87	3/4	3,933.16	3/4	3,713.74	3/4	3,485.65	3/4	3,139.26	3/4	2,778.72
4	4	4	4	4	4	4	4,365.45	4	4,147.31	4	3,928.61	4	3,709.16	4	3,479.80	4	3,131.75	4	2,771.21
1/4		1/4		1/4		1/4	4,360.94	1/4	4,142.75	1/4	3,924.05	1/4	3,704.57	1/4	3,473.94	1/4	3,124.24	1/4	2,763.70
1/2		1/2		1/2		1/2	4,356.43	1/2	4,138.20	1/2	3,919.50	1/2	3,699.99	1/2	3,467.66	1/2	3,116.73	1/2	2,756.19
3/4		3/4		3/4		3/4	4,351.91	3/4	4,133.64	3/4	3,914.94	3/4	3,695.41	3/4	3,461.38	3/4	3,109.22	3/4	2,748.68
5	5	5	5	5	5	5	4,347.39	5	4,129.09	5	3,910.38	5	3,690.83	5	3,455.11	5	3,101.71	5	2,741.16
1/4		1/4		1/4		1/4	4,342.88	1/4	4,124.53	1/4	3,905.83	1/4	3,686.25	1/4	3,448.83	1/4	3,094.20	1/4	2,733.65
1/2		1/2		1/2		1/2	4,338.36	1/2	4,119.97	1/2	3,901.27	1/2	3,681.66	1/2	3,442.13	1/2	3,086.68	1/2	2,726.14
3/4		3/4		3/4		3/4	4,333.84	3/4	4,115.42	3/4	3,896.71	3/4	3,677.08	3/4	3,435.43	3/4	3,079.17	3/4	2,718.63
6	6	6	6	6	6	6	4,329.33	6	4,110.86	6	3,892.16	6	3,672.50	6	3,428.74	6	3,071.66	6	2,711.12
1/4		1/4		1/4		1/4	4,324.81	1/4	4,106.30	1/4	3,887.60	1/4	3,667.92	1/4	3,422.04	1/4	3,064.15	1/4	2,703.61
1/2		1/2		1/2		1/2	4,320.29	1/2	4,101.75	1/2	3,883.04	1/2	3,663.34	1/2	3,414.92	1/2	3,056.64	1/2	2,696.10
3/4		3/4		3/4		3/4	4,315.78	3/4	4,097.19	3/4	3,878.49	3/4	3,658.76	3/4	3,407.81	3/4	3,049.13	3/4	2,688.58
7	7	7	7	7	7	7	4,311.26	7	4,092.63	7	3,873.93	7	3,654.17	7	3,400.69	7	3,041.62	7	2,681.07
1/4		1/4		1/4		1/4	4,306.74	1/4	4,088.08	1/4	3,869.38	1/4	3,649.59	1/4	3,393.57	1/4	3,034.10	1/4	2,673.56
1/2		1/2		1/2		1/2	4,302.20	1/2	4,083.52	1/2	3,864.82	1/2	3,645.01	1/2	3,386.18	1/2	3,026.59	1/2	2,666.05
3/4		3/4		3/4		3/4	4,297.66	3/4	4,078.97	3/4	3,860.26	3/4	3,640.43	3/4	3,378.78	3/4	3,019.08	3/4	2,658.53
8	8	8	8	8	8	8	4,293.11	8	4,074.41	8	3,855.71	8	3,635.85	8	3,371.38	8	3,011.57	8	2,651.01
1/4		1/4		1/4		1/4	4,288.57	1/4	4,069.85	1/4	3,851.15	1/4	3,631.26	1/4	3,363.99	1/4	3,004.06	1/4	2,643.49
1/2		1/2		1/2		1/2	4,284.01	1/2	4,065.30	1/2	3,846.58	1/2	3,626.68	1/2	3,356.51	1/2	2,996.55	1/2	2,635.97
3/4		3/4		3/4		3/4	4,279.45	3/4	4,060.74	3/4	3,842.01	3/4	3,622.10	3/4	3,349.03	3/4	2,989.04	3/4	2,628.45
9	9	9	9	9	9	9	4,274.89	9	4,056.18	9	3,837.44	9	3,617.52	9	3,341.56	9	2,981.53	9	2,620.93
1/4		1/4		1/4		1/4	4,270.33	1/4	4,051.63	1/4	3,832.86	1/4	3,612.94	1/4	3,334.08	1/4	2,974.01	1/4	2,613.40
1/2		1/2		1/2		1/2	4,265.78	1/2	4,047.07	1/2	3,828.28	1/2	3,608.36	1/2	3,326.60	1/2	2,966.50	1/2	2,605.88
3/4		3/4		3/4		3/4	4,261.22	3/4	4,042.52	3/4	3,823.70	3/4	3,603.77	3/4	3,319.11	3/4	2,958.99	3/4	2,598.36
10	10	10	10	10	10	10	4,256.66	10	4,037.96	10	3,819.12	10	3,599.19	10	3,311.63	10	2,951.48	10	2,590.83
1/4		1/4		1/4		1/4	4,252.11	1/4	4,033.40	1/4	3,814.54	1/4	3,594.61	1/4	3,304.15	1/4	2,943.97	1/4	2,583.31
1/2		1/2		1/2		1/2	4,247.55	1/2	4,028.85	1/2	3,809.95	1/2	3,590.03	1/2	3,296.66	1/2	2,936.46	1/2	2,575.79
3/4		3/4		3/4		3/4	4,242.99	3/4	4,024.29	3/4	3,805.37	3/4	3,585.45	3/4	3,289.18	3/4	2,928.95	3/4	2,568.26
11	11	11	11	11	11	11	4,238.44	11	4,019.73	11	3,800.79	11	3,580.86	11	3,281.70	11	2,921.44	11	2,560.74
1/4		1/4		1/4		1/4	4,233.88	1/4	4,015.18	1/4	3,796.21	1/4	3,576.28	1/4	3,274.21	1/4	2,913.92	1/4	2,553.22
1/2		1/2		1/2		1/2	4,229.32	1/2	4,010.62	1/2	3,791.63	1/2	3,571.70	1/2	3,266.73	1/2	2,906.41	1/2	2,545.70
3/4		3/4		3/4		3/4	4,224.77	3/4	4,006.06	3/4	3,787.05	3/4	3,567.12	3/4	3,259.24	3/4	2,898.90	3/4	2,538.17

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 14'-08" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28091"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30053"

GAUGE HEIGHT 16'-11 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	2,530.65	0	2,169.55	0	1,808.45	0	1,447.35	0	1,086.27	0	725.62	0	364.53	0		0		0	
1/4	2,523.13	1/4	2,162.03	1/4	1,800.93	1/4	1,439.83	1/4	1,078.75	1/4	718.10	1/4	357.01	1/4	1/4	1/4		1/4	1/4
1/2	2,515.60	1/2	2,154.51	1/2	1,793.41	1/2	1,432.31	1/2	1,071.23	1/2	710.57	1/2	349.48	1/2	1/2	1/2		1/2	1/2
3/4	2,508.08	3/4	2,146.98	3/4	1,785.88	3/4	1,424.78	3/4	1,063.72	3/4	703.05	3/4	341.96	3/4	3/4	3/4		3/4	3/4
1	2,500.56	1	2,139.46	1	1,778.36	1	1,417.26	1	1,056.20	1	695.53	1	334.44	1	1	1		1	1
1/4	2,493.04	1/4	2,131.94	1/4	1,770.84	1/4	1,409.74	1/4	1,048.69	1/4	688.00	1/4	326.91	1/4	1/4	1/4		1/4	1/4
1/2	2,485.51	1/2	2,124.41	1/2	1,763.31	1/2	1,402.22	1/2	1,041.17	1/2	680.48	1/2	319.39	1/2	1/2	1/2		1/2	1/2
3/4	2,477.99	3/4	2,116.89	3/4	1,755.79	3/4	1,394.69	3/4	1,033.66	3/4	672.96	3/4	311.87	3/4	3/4	3/4		3/4	3/4
2	2,470.47	2	2,109.37	2	1,748.27	2	1,387.17	2	1,026.15	2	665.44	2	304.35	2	2	2		2	2
1/4	2,462.94	1/4	2,101.84	1/4	1,740.75	1/4	1,379.65	1/4	1,018.64	1/4	657.91	1/4	296.82	1/4	1/4	1/4		1/4	1/4
1/2	2,455.42	1/2	2,094.32	1/2	1,733.22	1/2	1,372.12	1/2	1,011.13	1/2	650.39	1/2	289.30	1/2	1/2	1/2		1/2	1/2
3/4	2,447.90	3/4	2,086.80	3/4	1,725.70	3/4	1,364.60	3/4	1,003.62	3/4	642.87	3/4	281.78	3/4	3/4	3/4		3/4	3/4
3	2,440.38	3	2,079.28	3	1,718.18	3	1,357.08	3	996.11	3	635.35	3	274.26	3	3	3		3	3
1/4	2,432.85	1/4	2,071.75	1/4	1,710.65	1/4	1,349.55	1/4	988.60	1/4	627.82	1/4	266.73	1/4	1/4	1/4		1/4	1/4
1/2	2,425.33	1/2	2,064.23	1/2	1,703.13	1/2	1,342.03	1/2	981.09	1/2	620.30	1/2	259.21	1/2	1/2	1/2		1/2	1/2
3/4	2,417.81	3/4	2,056.71	3/4	1,695.61	3/4	1,334.51	3/4	973.58	3/4	612.78	3/4	251.69	3/4	3/4	3/4		3/4	3/4
4	2,410.28	4	2,049.18	4	1,688.09	4	1,326.99	4	966.07	4	605.25	4	244.17	4	4	4		4	4
1/4	2,402.76	1/4	2,041.66	1/4	1,680.56	1/4	1,319.46	1/4	958.55	1/4	597.73	1/4	236.66	1/4	1/4	1/4		1/4	1/4
1/2	2,395.24	1/2	2,034.14	1/2	1,673.04	1/2	1,311.94	1/2	951.04	1/2	590.21	1/2	229.14	1/2	1/2	1/2		1/2	1/2
3/4	2,387.71	3/4	2,026.62	3/4	1,665.52	3/4	1,304.42	3/4	943.53	3/4	582.69	3/4	221.63	3/4	3/4	3/4		3/4	3/4
5	2,380.19	5	2,019.09	5	1,657.99	5	1,296.89	5	936.02	5	575.16	5	214.12	5	5	5		5	5
1/4	2,372.67	1/4	2,011.57	1/4	1,650.47	1/4	1,289.37	1/4	928.51	1/4	567.64	1/4	206.60	1/4	1/4	1/4		1/4	1/4
1/2	2,365.15	1/2	2,004.05	1/2	1,642.95	1/2	1,281.85	1/2	921.00	1/2	560.12	1/2	199.10	1/2	1/2	1/2		1/2	1/2
3/4	2,357.62	3/4	1,996.52	3/4	1,635.42	3/4	1,274.33	3/4	913.49	3/4	552.60	3/4	191.60	3/4	3/4	3/4		3/4	3/4
6	2,350.10	6	1,989.00	6	1,627.90	6	1,266.80	6	905.98	6	545.07	6	184.10	6	6	6		6	6
1/4	2,342.58	1/4	1,981.48	1/4	1,620.38	1/4	1,259.28	1/4	898.47	1/4	537.55	1/4	176.60	1/4	1/4	1/4		1/4	1/4
1/2	2,335.05	1/2	1,973.96	1/2	1,612.86	1/2	1,251.76	1/2	890.96	1/2	530.03	1/2	169.12	1/2	1/2	1/2		1/2	1/2
3/4	2,327.53	3/4	1,966.43	3/4	1,605.33	3/4	1,244.23	3/4	883.45	3/4	522.50	3/4	161.64	3/4	3/4	3/4		3/4	3/4
7	2,320.01	7	1,958.91	7	1,597.81	7	1,236.71	7	875.94	7	514.98	7	154.16	7	7	7		7	7
1/4	2,312.49	1/4	1,951.39	1/4	1,590.29	1/4	1,229.19	1/4	868.43	1/4	507.46	1/4	146.68	1/4	1/4	1/4		1/4	1/4
1/2	2,304.96	1/2	1,943.86	1/2	1,582.76	1/2	1,221.67	1/2	860.92	1/2	499.94	1/2	139.23	1/2	1/2	1/2		1/2	1/2
3/4	2,297.44	3/4	1,936.34	3/4	1,575.24	3/4	1,214.14	3/4	853.41	3/4	492.41	3/4	131.78	3/4	3/4	3/4		3/4	3/4
8	2,289.92	8	1,928.82	8	1,567.72	8	1,206.62	8	845.90	8	484.89	8	124.34	8	8	8		8	8
1/4	2,282.39	1/4	1,921.30	1/4	1,560.20	1/4	1,199.10	1/4	838.39	1/4	477.37	1/4	116.89	1/4	1/4	1/4		1/4	1/4
1/2	2,274.87	1/2	1,913.77	1/2	1,552.67	1/2	1,191.57	1/2	830.88	1/2	469.85	1/2	109.74	1/2	1/2	1/2		1/2	1/2
3/4	2,267.35	3/4	1,906.25	3/4	1,545.15	3/4	1,184.05	3/4	823.37	3/4	462.32	3/4	102.59	3/4	3/4	3/4		3/4	3/4
9	2,259.83	9	1,898.73	9	1,537.63	9	1,176.53	9	815.86	9	454.80	9	95.45	9	9	9		9	9
1/4	2,252.30	1/4	1,891.20	1/4	1,530.10	1/4	1,169.01	1/4	808.35	1/4	447.28	1/4	88.30	1/4	1/4	1/4		1/4	1/4
1/2	2,244.78	1/2	1,883.68	1/2	1,522.58	1/2	1,161.48	1/2	800.83	1/2	439.76	1/2	81.99	1/2	1/2	1/2		1/2	1/2
3/4	2,237.26	3/4	1,876.16	3/4	1,515.06	3/4	1,153.96	3/4	793.31	3/4	432.23	3/4	75.68	3/4	3/4	3/4		3/4	3/4
10	2,229.73	10	1,868.63	10	1,507.54	10	1,146.44	10	785.79	10	424.71	10	69.37	10	10	10		10	10
1/4	2,222.21	1/4	1,861.11	1/4	1,500.01	1/4	1,138.91	1/4	778.28	1/4	417.19	1/4	63.06	1/4	1/4	1/4		1/4	1/4
1/2	2,214.69	1/2	1,853.59	1/2	1,492.49	1/2	1,131.39	1/2	770.75	1/2	409.66	1/2	57.82	1/2	1/2	1/2		1/2	1/2
3/4	2,207.17	3/4	1,846.07	3/4	1,484.97	3/4	1,123.87	3/4	763.23	3/4	402.14	3/4	52.58	3/4	3/4	3/4		3/4	3/4
11	2,199.64	11	1,838.54	11	1,477.44	11	1,116.34	11	755.71	11	394.62	11	47.34	11	11	11		11	11
1/4	2,192.12	1/4	1,831.02	1/4	1,469.92	1/4	1,108.82	1/4	748.19	1/4	387.10	1/4	42.10	1/4	1/4	1/4		1/4	1/4
1/2	2,184.60	1/2	1,823.50	1/2	1,462.40	1/2	1,101.30	1/2	740.66	1/2	379.57	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,177.07	3/4	1,815.97	3/4	1,454.88	3/4	1,093.79	3/4	733.14	3/4	372.05	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/03/2013 SW
NAME CHANGE: 10/13/2023 JS
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "KIRBY 28091"

SLOP TANK

INNAGE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMS 30053"

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	433	0	1,021	0	1,639	0	2,198	0		0		0		0		0	
1/4	5	1/4	445	1/4	1,034	1/4	1,651	1/4	2,208	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	11	1/2	456	1/2	1,047	1/2	1,664	1/2	2,218	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	16	3/4	468	3/4	1,060	3/4	1,676	3/4	2,228	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	21	1	479	1	1,073	1	1,689	1	2,238	1	1	1	1	1	1	1	1	1	1
1/4	28	1/4	491	1/4	1,086	1/4	1,701	1/4	2,248	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	35	1/2	502	1/2	1,099	1/2	1,714	1/2	2,257	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42	3/4	514	3/4	1,112	3/4	1,726	3/4	2,267	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	48	2	526	2	1,125	2	1,739	2	2,277	2	2	2	2	2	2	2	2	2	2
1/4	56	1/4	537	1/4	1,137	1/4	1,751	1/4	2,286	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63	1/2	549	1/2	1,150	1/2	1,763	1/2	2,295	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71	3/4	561	3/4	1,163	3/4	1,775	3/4	2,305	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	78	3	573	3	1,176	3	1,788	3	2,314	3	3	3	3	3	3	3	3	3	3
1/4	86	1/4	585	1/4	1,189	1/4	1,800	1/4	2,323	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95	1/2	597	1/2	1,202	1/2	1,812	1/2	2,332	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	103	3/4	609	3/4	1,215	3/4	1,824	3/4	2,341	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	111	4	621	4	1,228	4	1,836	4	2,350	4	4	4	4	4	4	4	4	4	4
1/4	120	1/4	633	1/4	1,241	1/4	1,848	1/4	2,358	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128	1/2	645	1/2	1,254	1/2	1,860	1/2	2,366	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	137	3/4	657	3/4	1,267	3/4	1,872	3/4	2,375	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	146	5	669	5	1,280	5	1,884	5	2,383	5	5	5	5	5	5	5	5	5	5
1/4	155	1/4	681	1/4	1,293	1/4	1,896	1/4	2,391	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164	1/2	694	1/2	1,306	1/2	1,908	1/2	2,398	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	174	3/4	706	3/4	1,319	3/4	1,920	3/4	2,406	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	183	6	718	6	1,332	6	1,932	6	2,414	6	6	6	6	6	6	6	6	6	6
1/4	192	1/4	731	1/4	1,345	1/4	1,943	1/4	2,421	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	202	1/2	743	1/2	1,357	1/2	1,955	1/2	2,427	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	212	3/4	755	3/4	1,370	3/4	1,967	3/4	2,434	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	221	7	768	7	1,383	7	1,978	7	2,441	7	7	7	7	7	7	7	7	7	7
1/4	231	1/4	780	1/4	1,396	1/4	1,990	1/4	2,447	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	241	1/2	793	1/2	1,409	1/2	2,001	1/2	2,453	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	251	3/4	805	3/4	1,422	3/4	2,013	3/4	2,459	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	261	8	818	8	1,435	8	2,024	8	2,465	8	8	8	8	8	8	8	8	8	8
1/4	272	1/4	830	1/4	1,448	1/4	2,035	1/4	2,469	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	282	1/2	843	1/2	1,461	1/2	2,047	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	292	3/4	856	3/4	1,473	3/4	2,058	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	303	9	868	9	1,486	9	2,069	9	9	9	9	9	9	9	9	9	9	9	9
1/4	313	1/4	881	1/4	1,499	1/4	2,080	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	324	1/2	894	1/2	1,512	1/2	2,091	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	335	3/4	906	3/4	1,525	3/4	2,102	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
10	345	10	919	10	1,537	10	2,113	10	10	10	10	10	10	10	10	10	10	10	10
1/4	356	1/4	932	1/4	1,550	1/4	2,124	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	367	1/2	945	1/2	1,563	1/2	2,135	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	378	3/4	957	3/4	1,575	3/4	2,145	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
11	389	11	970	11	1,588	11	2,156	11	11	11	11	11	11	11	11	11	11	11	11
1/4	400	1/4	983	1/4	1,601	1/4	2,166	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	411	1/2	996	1/2	1,613	1/2	2,177	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	422	3/4	1,009	3/4	1,626	3/4	2,187	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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CANCELS AND SUPERCEDES
 ALL PRIOR TO 10/2023

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