



BARGE "KIRBY 28151"

ULLAGE TRIM TABLE

	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	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2	- 00-5/8	00-5/8
1 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2	- 00-5/8	00-5/8
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
3 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
3 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2

(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 1 PORT IS 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 236'-06"

October 12, 2012

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28151"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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
							4,202.42		3,913.66		3,610.55		3,293.55		2,964.39		2,633.19		2,301.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,196.51	1/4	3,907.51	1/4	3,604.08	1/4	3,286.80	1/4	2,957.49	1/4	2,626.29	1/4	2,295.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,190.61	1/2	3,901.36	1/2	3,597.61	1/2	3,280.05	1/2	2,950.59	1/2	2,619.39	1/2	2,288.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,184.70	3/4	3,895.20	3/4	3,591.13	3/4	3,273.30	3/4	2,943.69	3/4	2,612.49	3/4	2,281.25
1	1	1	1	1	1	1	4,178.77	1	3,889.02	1	3,584.64	1	3,266.52	1	2,936.79	1	2,605.59	1	2,274.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,172.84	1/4	3,882.85	1/4	3,578.15	1/4	3,259.74	1/4	2,929.89	1/4	2,598.69	1/4	2,267.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,166.91	1/2	3,876.67	1/2	3,571.66	1/2	3,252.96	1/2	2,922.99	1/2	2,591.79	1/2	2,260.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,160.98	3/4	3,870.49	3/4	3,565.17	3/4	3,246.18	3/4	2,916.09	3/4	2,584.89	3/4	2,253.65
2	2	2	2	2	2	2	4,155.03	2	3,864.29	2	3,558.65	2	3,239.39	2	2,909.19	2	2,577.99	2	2,246.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,149.07	1/4	3,858.09	1/4	3,552.14	1/4	3,232.59	1/4	2,902.29	1/4	2,571.09	1/4	2,239.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,143.11	1/2	3,851.89	1/2	3,545.63	1/2	3,225.79	1/2	2,895.39	1/2	2,564.19	1/2	2,232.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,137.16	3/4	3,845.69	3/4	3,539.11	3/4	3,218.99	3/4	2,888.49	3/4	2,557.29	3/4	2,226.04
3	3	3	3	3	3	3	4,131.21	3	3,839.43	3	3,532.57	3	3,212.17	3	2,881.59	3	2,550.39	3	2,219.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,125.27	1/4	3,833.18	1/4	3,526.03	1/4	3,205.36	1/4	2,874.69	1/4	2,543.49	1/4	2,212.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,119.33	1/2	3,826.92	1/2	3,519.49	1/2	3,198.54	1/2	2,867.79	1/2	2,536.59	1/2	2,205.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,113.38	3/4	3,820.67	3/4	3,512.95	3/4	3,191.72	3/4	2,860.89	3/4	2,529.69	3/4	2,198.43
4	4	4	4	4	4	4	4,107.42	4	3,814.38	4	3,506.39	4	3,184.87	4	2,853.99	4	2,522.79	4	2,191.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,101.45	1/4	3,808.10	1/4	3,499.83	1/4	3,178.02	1/4	2,847.09	1/4	2,515.89	1/4	2,184.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,095.49	1/2	3,801.82	1/2	3,493.27	1/2	3,171.17	1/2	2,840.19	1/2	2,508.99	1/2	2,177.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,089.52	3/4	3,795.54	3/4	3,486.71	3/4	3,164.32	3/4	2,833.29	3/4	2,502.09	3/4	2,170.83
5	5	5	5	5	5	5	4,083.53	5	3,789.23	5	3,480.12	5	3,157.45	5	2,826.39	5	2,495.19	5	2,163.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,077.54	1/4	3,782.93	1/4	3,473.53	1/4	3,150.59	1/4	2,819.49	1/4	2,488.29	1/4	2,157.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,071.55	1/2	3,776.63	1/2	3,466.93	1/2	3,143.72	1/2	2,812.59	1/2	2,481.39	1/2	2,150.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,065.56	3/4	3,770.32	3/4	3,460.34	3/4	3,136.85	3/4	2,805.69	3/4	2,474.49	3/4	2,143.22
6	6	6	4,357.83	6	4,059.54	6	3,763.99	6	3,453.73	6	3,129.96	6	2,798.79	6	2,467.59	6	2,136.32		
1/4	1/4	1/4	4,352.65	1/4	4,053.53	1/4	3,757.66	1/4	3,447.12	1/4	3,123.07	1/4	2,791.89	1/4	2,460.69	1/4	2,129.42		
1/2	1/2	1/2	4,347.48	1/2	4,047.52	1/2	3,751.32	1/2	3,440.51	1/2	3,116.18	1/2	2,784.99	1/2	2,453.78	1/2	2,122.52		
3/4	3/4	3/4	4,342.30	3/4	4,041.50	3/4	3,744.99	3/4	3,433.90	3/4	3,109.29	3/4	2,778.09	3/4	2,446.88	3/4	2,115.62		
7	7	7	4,335.40	7	4,035.46	7	3,738.64	7	3,427.27	7	3,102.39	7	2,771.19	7	2,439.98	7	2,108.72		
1/4	1/4	1/4	4,328.50	1/4	4,029.42	1/4	3,732.29	1/4	3,420.64	1/4	3,095.49	1/4	2,764.29	1/4	2,433.08	1/4	2,101.81		
1/2	1/2	1/2	4,321.59	1/2	4,023.38	1/2	3,725.93	1/2	3,414.01	1/2	3,088.59	1/2	2,757.39	1/2	2,426.18	1/2	2,094.91		
3/4	3/4	3/4	4,314.69	3/4	4,017.34	3/4	3,719.58	3/4	3,407.38	3/4	3,081.69	3/4	2,750.49	3/4	2,419.28	3/4	2,088.01		
8	8	8	4,307.79	8	4,011.28	8	3,713.21	8	3,400.72	8	3,074.79	8	2,743.59	8	2,412.38	8	2,081.11		
1/4	1/4	1/4	4,300.89	1/4	4,005.22	1/4	3,706.83	1/4	3,394.06	1/4	3,067.89	1/4	2,736.69	1/4	2,405.48	1/4	2,074.21		
1/2	1/2	1/2	4,293.99	1/2	3,999.16	1/2	3,700.46	1/2	3,387.40	1/2	3,060.99	1/2	2,729.79	1/2	2,398.58	1/2	2,067.31		
3/4	3/4	3/4	4,287.09	3/4	3,993.10	3/4	3,694.09	3/4	3,380.74	3/4	3,054.09	3/4	2,722.89	3/4	2,391.67	3/4	2,060.41		
9	9	9	4,280.19	9	3,987.02	9	3,687.68	9	3,374.06	9	3,047.19	9	2,715.99	9	2,384.77	9	2,053.51		
1/4	1/4	1/4	4,273.29	1/4	3,980.93	1/4	3,681.28	1/4	3,367.38	1/4	3,040.29	1/4	2,709.09	1/4	2,377.87	1/4	2,046.60		
1/2	1/2	1/2	4,266.38	1/2	3,974.85	1/2	3,674.88	1/2	3,360.70	1/2	3,033.39	1/2	2,702.19	1/2	2,370.97	1/2	2,039.70		
3/4	3/4	3/4	4,259.48	3/4	3,968.77	3/4	3,668.48	3/4	3,354.02	3/4	3,026.49	3/4	2,695.29	3/4	2,364.07	3/4	2,032.80		
10	10	10	4,252.58	10	3,962.66	10	3,662.06	10	3,347.32	10	3,019.59	10	2,688.39	10	2,357.17	10	2,025.90		
1/4	1/4	1/4	4,245.68	1/4	3,956.55	1/4	3,655.64	1/4	3,340.62	1/4	3,012.69	1/4	2,681.49	1/4	2,350.27	1/4	2,019.00		
1/2	1/2	1/2	4,238.78	1/2	3,950.44	1/2	3,649.21	1/2	3,333.92	1/2	3,005.79	1/2	2,674.59	1/2	2,343.36	1/2	2,012.10		
3/4	3/4	3/4	4,231.88	3/4	3,944.33	3/4	3,642.79	3/4	3,327.22	3/4	2,998.89	3/4	2,667.69	3/4	2,336.46	3/4	2,005.20		
11	11	11	4,225.99	11	3,938.20	11	3,636.35	11	3,320.49	11	2,991.99	11	2,660.79	11	2,329.56	11	1,998.29		
1/4	1/4	1/4	4,220.10	1/4	3,932.07	1/4	3,629.90	1/4	3,313.76	1/4	2,985.09	1/4	2,653.89	1/4	2,322.66	1/4	1,991.39		
1/2	1/2	1/2	4,214.22	1/2	3,925.94	1/2	3,623.46	1/2	3,307.03	1/2	2,978.19	1/2	2,646.99	1/2	2,315.76	1/2	1,984.49		
3/4	3/4	3/4	4,208.33	3/4	3,919.81	3/4	3,617.02	3/4	3,300.30	3/4	2,971.29	3/4	2,640.09	3/4	2,308.86	3/4	1,977.59		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 37'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28151"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,963.79	1/4	1,632.52	1/4	1,301.25	1/4	970.48	1/4	655.37	1/4	363.33	1/4	94.88	1/4		1/4		1/4		1/4	
1/2	1,956.89	1/2	1,625.62	1/2	1,294.35	1/2	963.66	1/2	649.04	1/2	357.49	1/2	89.53	1/2		1/2		1/2		1/2	
3/4	1,949.98	3/4	1,618.72	3/4	1,287.45	3/4	956.84	3/4	642.71	3/4	351.65	3/4	84.19	3/4		3/4		3/4		3/4	
1	1,943.08	1	1,611.82	1	1,280.55	1	950.08	1	636.42	1	345.86	1	78.88	1		1		1		1	
1/4	1,936.18	1/4	1,604.91	1/4	1,273.65	1/4	943.31	1/4	630.13	1/4	340.06	1/4	73.58	1/4		1/4		1/4		1/4	
1/2	1,929.28	1/2	1,598.01	1/2	1,266.75	1/2	936.55	1/2	623.84	1/2	334.27	1/2	68.28	1/2		1/2		1/2		1/2	
3/4	1,922.38	3/4	1,591.11	3/4	1,259.84	3/4	929.79	3/4	617.56	3/4	328.47	3/4	62.98	3/4		3/4		3/4		3/4	
2	1,915.48	2	1,584.21	2	1,252.94	2	923.06	2	611.31	2	322.71	2	57.72	2		2		2		2	
1/4	1,908.58	1/4	1,577.31	1/4	1,246.04	1/4	916.34	1/4	605.06	1/4	316.95	1/4	52.45	1/4		1/4		1/4		1/4	
1/2	1,901.67	1/2	1,570.41	1/2	1,239.14	1/2	909.62	1/2	598.81	1/2	311.20	1/2	47.19	1/2		1/2		1/2		1/2	
3/4	1,894.77	3/4	1,563.51	3/4	1,232.24	3/4	902.89	3/4	592.56	3/4	305.44	3/4	41.92	3/4		3/4		3/4		3/4	
3	1,887.87	3	1,556.60	3	1,225.34	3	896.21	3	586.36	3	299.72	3	37.57	3		3		3		3	
1/4	1,880.97	1/4	1,549.70	1/4	1,218.44	1/4	889.53	1/4	580.15	1/4	294.01	1/4	33.21	1/4		1/4		1/4		1/4	
1/2	1,874.07	1/2	1,542.80	1/2	1,211.53	1/2	882.85	1/2	573.94	1/2	288.29	1/2	28.85	1/2		1/2		1/2		1/2	
3/4	1,867.17	3/4	1,535.90	3/4	1,204.63	3/4	876.16	3/4	567.74	3/4	282.58	3/4	24.50	3/4		3/4		3/4		3/4	
4	1,860.27	4	1,529.00	4	1,197.73	4	869.52	4	561.57	4	276.90	4	21.90	4		4		4		4	
1/4	1,853.36	1/4	1,522.10	1/4	1,190.83	1/4	862.88	1/4	555.40	1/4	271.23	1/4	19.31	1/4		1/4		1/4		1/4	
1/2	1,846.46	1/2	1,515.20	1/2	1,183.93	1/2	856.24	1/2	549.24	1/2	265.55	1/2	16.72	1/2		1/2		1/2		1/2	
3/4	1,839.56	3/4	1,508.29	3/4	1,177.03	3/4	849.60	3/4	543.07	3/4	259.88	3/4	14.13	3/4		3/4		3/4		3/4	
5	1,832.66	5	1,501.39	5	1,170.13	5	843.00	5	536.95	5	254.24	5		5		5		5		5	
1/4	1,825.76	1/4	1,494.49	1/4	1,163.22	1/4	836.40	1/4	530.82	1/4	248.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,818.86	1/2	1,487.59	1/2	1,156.32	1/2	829.80	1/2	524.70	1/2	242.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,811.96	3/4	1,480.69	3/4	1,149.42	3/4	823.20	3/4	518.57	3/4	237.35	3/4		3/4		3/4		3/4		3/4	
6	1,805.05	6	1,473.79	6	1,142.52	6	816.64	6	512.49	6	231.75	6		6		6		6		6	
1/4	1,798.15	1/4	1,466.89	1/4	1,135.62	1/4	810.08	1/4	506.40	1/4	226.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,791.25	1/2	1,459.98	1/2	1,128.72	1/2	803.52	1/2	500.32	1/2	220.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,784.35	3/4	1,453.08	3/4	1,121.82	3/4	796.96	3/4	494.23	3/4	214.97	3/4		3/4		3/4		3/4		3/4	
7	1,777.45	7	1,446.18	7	1,114.91	7	790.44	7	488.19	7	209.42	7		7		7		7		7	
1/4	1,770.55	1/4	1,439.28	1/4	1,108.01	1/4	783.92	1/4	482.15	1/4	203.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,763.65	1/2	1,432.38	1/2	1,101.11	1/2	777.40	1/2	476.11	1/2	198.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,756.74	3/4	1,425.48	3/4	1,094.21	3/4	770.88	3/4	470.06	3/4	192.77	3/4		3/4		3/4		3/4		3/4	
8	1,749.84	8	1,418.58	8	1,087.31	8	764.40	8	464.06	8	187.26	8		8		8		8		8	
1/4	1,742.94	1/4	1,411.67	1/4	1,080.41	1/4	757.93	1/4	458.06	1/4	181.74	1/4		1/4		1/4		1/4		1/4	
1/2	1,736.04	1/2	1,404.77	1/2	1,073.51	1/2	751.45	1/2	452.06	1/2	176.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,729.14	3/4	1,397.87	3/4	1,066.61	3/4	744.97	3/4	446.05	3/4	170.72	3/4		3/4		3/4		3/4		3/4	
9	1,722.24	9	1,390.97	9	1,059.72	9	738.52	9	440.09	9	165.25	9		9		9		9		9	
1/4	1,715.34	1/4	1,384.07	1/4	1,052.82	1/4	732.06	1/4	434.13	1/4	159.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,708.44	1/2	1,377.17	1/2	1,045.93	1/2	725.61	1/2	428.17	1/2	154.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,701.53	3/4	1,370.27	3/4	1,039.04	3/4	719.16	3/4	422.21	3/4	148.84	3/4		3/4		3/4		3/4		3/4	
10	1,694.63	10	1,363.37	10	1,032.16	10	712.75	10	416.29	10	143.41	10		10		10		10		10	
1/4	1,687.73	1/4	1,356.46	1/4	1,025.29	1/4	706.34	1/4	410.37	1/4	137.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,680.83	1/2	1,349.56	1/2	1,018.41	1/2	699.92	1/2	404.45	1/2	132.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,673.93	3/4	1,342.66	3/4	1,011.53	3/4	693.51	3/4	398.53	3/4	127.11	3/4		3/4		3/4		3/4		3/4	
11	1,667.03	11	1,335.76	11	1,004.68	11	687.14	11	392.65	11	121.73	11		11		11		11		11	
1/4	1,660.13	1/4	1,328.86	1/4	997.83	1/4	680.77	1/4	386.77	1/4	116.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,653.22	1/2	1,321.96	1/2	990.98	1/2	674.40	1/2	380.89	1/2	110.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,646.32	3/4	1,315.06	3/4	984.12	3/4	668.03	3/4	375.01	3/4	105.57	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/12/2012 CL
CALCULATED: 10/12/2012 CL
PRINTED: 10/12/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "KIRBY 28151"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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		
							4,200.64		3,911.88		3,608.77		3,291.78		2,962.62		2,631.41		2,300.18		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,194.74	1/4	3,905.73	1/4	3,602.30	1/4	3,285.03	1/4	2,955.72	1/4	2,624.51	1/4	2,293.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,188.83	1/2	3,899.58	1/2	3,595.83	1/2	3,278.28	1/2	2,948.82	1/2	2,617.61	1/2	2,286.38		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,182.92	3/4	3,893.43	3/4	3,589.36	3/4	3,271.53	3/4	2,941.92	3/4	2,610.71	3/4	2,279.48		
1	1	1	1	1	1	1	4,176.99	1	3,887.25	1	3,582.87	1	3,264.75	1	2,935.02	1	2,603.81	1	2,272.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,171.06	1/4	3,881.07	1/4	3,576.38	1/4	3,257.97	1/4	2,928.12	1/4	2,596.91	1/4	2,265.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,165.13	1/2	3,874.89	1/2	3,569.88	1/2	3,251.19	1/2	2,921.22	1/2	2,590.01	1/2	2,258.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,159.21	3/4	3,868.71	3/4	3,563.39	3/4	3,244.41	3/4	2,914.32	3/4	2,583.11	3/4	2,251.87		
2	2	2	2	2	2	2	4,153.25	2	3,862.51	2	3,556.88	2	3,237.61	2	2,907.42	2	2,576.21	2	2,244.97		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,147.29	1/4	3,856.31	1/4	3,550.36	1/4	3,230.81	1/4	2,900.52	1/4	2,569.31	1/4	2,238.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,141.34	1/2	3,850.11	1/2	3,543.85	1/2	3,224.02	1/2	2,893.62	1/2	2,562.41	1/2	2,231.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,135.38	3/4	3,843.91	3/4	3,537.34	3/4	3,217.22	3/4	2,886.72	3/4	2,555.51	3/4	2,224.26		
3	3	3	3	3	3	3	4,129.44	3	3,837.66	3	3,530.80	3	3,210.40	3	2,879.82	3	2,548.61	3	2,217.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,123.49	1/4	3,831.40	1/4	3,524.26	1/4	3,203.58	1/4	2,872.92	1/4	2,541.71	1/4	2,210.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,117.55	1/2	3,825.15	1/2	3,517.72	1/2	3,196.76	1/2	2,866.01	1/2	2,534.81	1/2	2,203.56		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,111.61	3/4	3,818.89	3/4	3,511.18	3/4	3,189.94	3/4	2,859.11	3/4	2,527.91	3/4	2,196.66		
4	4	4	4	4	4	4	4,105.64	4	3,812.61	4	3,504.62	4	3,183.09	4	2,852.21	4	2,521.01	4	2,189.76		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,099.68	1/4	3,806.33	1/4	3,498.05	1/4	3,176.24	1/4	2,845.31	1/4	2,514.11	1/4	2,182.86		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,093.71	1/2	3,800.04	1/2	3,491.49	1/2	3,169.39	1/2	2,838.41	1/2	2,507.21	1/2	2,175.95		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,087.75	3/4	3,793.76	3/4	3,484.93	3/4	3,162.55	3/4	2,831.51	3/4	2,500.31	3/4	2,169.05		
5	5	5	5	5	5	5	4,081.76	5	3,787.46	5	3,478.34	5	3,155.68	5	2,824.61	5	2,493.41	5	2,162.15		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,075.76	1/4	3,781.15	1/4	3,471.75	1/4	3,148.81	1/4	2,817.71	1/4	2,486.51	1/4	2,155.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,069.77	1/2	3,774.85	1/2	3,465.16	1/2	3,141.94	1/2	2,810.81	1/2	2,479.61	1/2	2,148.35		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,063.78	3/4	3,768.55	3/4	3,458.57	3/4	3,135.08	3/4	2,803.91	3/4	2,472.71	3/4	2,141.45		
6	6	6	6	6	6	6	4,057.77	6	3,762.21	6	3,451.96	6	3,128.19	6	2,797.01	6	2,465.81	6	2,134.55		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,350.88	1/4	4,051.76	1/4	3,755.88	1/4	3,445.35	1/4	3,121.30	1/4	2,790.11	1/4	2,458.91	1/4	2,127.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,345.70	1/2	4,045.74	1/2	3,749.55	1/2	3,438.74	1/2	3,114.41	1/2	2,783.21	1/2	2,452.01	1/2	2,120.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,340.52	3/4	4,039.73	3/4	3,743.21	3/4	3,432.13	3/4	3,107.52	3/4	2,776.31	3/4	2,445.11	3/4	2,113.84
7	7	7	7	7	7	7	4,333.62	7	4,033.69	7	3,736.86	7	3,425.50	7	3,100.62	7	2,769.41	7	2,438.21	7	2,106.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,326.72	1/4	4,027.65	1/4	3,730.51	1/4	3,418.87	1/4	3,093.72	1/4	2,762.51	1/4	2,431.31	1/4	2,100.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,319.82	1/2	4,021.60	1/2	3,724.16	1/2	3,412.23	1/2	3,086.82	1/2	2,755.61	1/2	2,424.40	1/2	2,093.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,312.92	3/4	4,015.56	3/4	3,717.81	3/4	3,405.60	3/4	3,079.92	3/4	2,748.71	3/4	2,417.50	3/4	2,086.24
8	8	8	8	8	8	8	4,306.02	8	4,009.50	8	3,711.43	8	3,398.94	8	3,073.02	8	2,741.81	8	2,410.60	8	2,079.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,299.12	1/4	4,003.44	1/4	3,705.06	1/4	3,392.28	1/4	3,066.12	1/4	2,734.91	1/4	2,403.70	1/4	2,072.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,292.21	1/2	3,997.38	1/2	3,698.68	1/2	3,385.62	1/2	3,059.22	1/2	2,728.01	1/2	2,396.80	1/2	2,065.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,285.31	3/4	3,991.32	3/4	3,692.31	3/4	3,378.96	3/4	3,052.32	3/4	2,721.11	3/4	2,389.90	3/4	2,058.63
9	9	9	9	9	9	9	4,278.41	9	3,985.24	9	3,685.91	9	3,372.28	9	3,045.42	9	2,714.21	9	2,383.00	9	2,051.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,271.51	1/4	3,979.16	1/4	3,679.51	1/4	3,365.61	1/4	3,038.52	1/4	2,707.31	1/4	2,376.09	1/4	2,044.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,264.61	1/2	3,973.08	1/2	3,673.11	1/2	3,358.93	1/2	3,031.62	1/2	2,700.41	1/2	2,369.19	1/2	2,037.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,257.71	3/4	3,966.99	3/4	3,666.70	3/4	3,352.25	3/4	3,024.72	3/4	2,693.51	3/4	2,362.29	3/4	2,031.02
10	10	10	10	10	10	10	4,250.81	10	3,960.88	10	3,660.28	10	3,345.54	10	3,017.82	10	2,686.61	10	2,355.39	10	2,024.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,243.90	1/4	3,954.77	1/4	3,653.86	1/4	3,338.84	1/4	3,010.92	1/4	2,679.71	1/4	2,348.49	1/4	2,017.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,237.00	1/2	3,948.66	1/2	3,647.44	1/2	3,332.14	1/2	3,004.02	1/2	2,672.81	1/2	2,341.59	1/2	2,010.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,230.10	3/4	3,942.55	3/4	3,641.02	3/4	3,325.44	3/4	2,997.12	3/4	2,665.91	3/4	2,334.69	3/4	2,003.42
11	11	11	11	11	11	11	4,224.21	11	3,936.42	11	3,634.57	11	3,318.71	11	2,990.22	11	2,659.01	11	2,327.79	11	1,996.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,218.33	1/4	3,930.29	1/4	3,628.13	1/4	3,311.98	1/4	2,983.32	1/4	2,652.11	1/4	2,320.88	1/4	1,989.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,212.44	1/2	3,924.16	1/2	3,621.68	1/2	3,305.26	1/2	2,976.42	1/2	2,645.21	1/2	2,313.98	1/2	1,982.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,206.55	3/4	3,918.03	3/4	3,615.24	3/4	3,298.53	3/4	2,969.52	3/4	2,638.31	3/4	2,307.08	3/4	1,975.81

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 37'-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 28151"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,962.01	1/4	1,630.74	1/4	1,299.48	1/4	968.90	1/4	655.36	1/4	363.33	1/4	94.88	1/4		1/4		1/4	
1/2	1,955.11	1/2	1,623.84	1/2	1,292.58	1/2	962.11	1/2	649.03	1/2	357.49	1/2	89.53	1/2		1/2		1/2	
3/4	1,948.21	3/4	1,616.94	3/4	1,285.67	3/4	955.33	3/4	642.70	3/4	351.65	3/4	84.18	3/4		3/4		3/4	
1	1,941.31	1	1,610.04	1	1,278.77	1	948.60	1	636.41	1	345.85	1	78.88	1		1		1	
1/4	1,934.41	1/4	1,603.14	1/4	1,271.87	1/4	941.88	1/4	630.12	1/4	340.05	1/4	73.58	1/4		1/4		1/4	
1/2	1,927.50	1/2	1,596.24	1/2	1,264.97	1/2	935.15	1/2	623.83	1/2	334.26	1/2	68.28	1/2		1/2		1/2	
3/4	1,920.60	3/4	1,589.34	3/4	1,258.07	3/4	928.43	3/4	617.54	3/4	328.46	3/4	62.98	3/4		3/4		3/4	
2	1,913.70	2	1,582.43	2	1,251.17	2	921.74	2	611.30	2	322.70	2	57.71	2		2		2	
1/4	1,906.80	1/4	1,575.53	1/4	1,244.27	1/4	915.06	1/4	605.05	1/4	316.95	1/4	52.45	1/4		1/4		1/4	
1/2	1,899.90	1/2	1,568.63	1/2	1,237.36	1/2	908.37	1/2	598.80	1/2	311.19	1/2	47.19	1/2		1/2		1/2	
3/4	1,893.00	3/4	1,561.73	3/4	1,230.46	3/4	901.69	3/4	592.55	3/4	305.43	3/4	41.92	3/4		3/4		3/4	
3	1,886.10	3	1,554.83	3	1,223.56	3	895.05	3	586.34	3	299.72	3	37.57	3		3		3	
1/4	1,879.19	1/4	1,547.93	1/4	1,216.66	1/4	888.40	1/4	580.14	1/4	294.00	1/4	33.21	1/4		1/4		1/4	
1/2	1,872.29	1/2	1,541.03	1/2	1,209.76	1/2	881.76	1/2	573.93	1/2	288.29	1/2	28.85	1/2		1/2		1/2	
3/4	1,865.39	3/4	1,534.12	3/4	1,202.86	3/4	875.12	3/4	567.73	3/4	282.57	3/4	24.50	3/4		3/4		3/4	
4	1,858.49	4	1,527.22	4	1,195.96	4	868.51	4	561.56	4	276.90	4	21.90	4		4		4	
1/4	1,851.59	1/4	1,520.32	1/4	1,189.05	1/4	861.91	1/4	555.39	1/4	271.22	1/4	19.31	1/4		1/4		1/4	
1/2	1,844.69	1/2	1,513.42	1/2	1,182.15	1/2	855.31	1/2	549.23	1/2	265.55	1/2	16.72	1/2		1/2		1/2	
3/4	1,837.79	3/4	1,506.52	3/4	1,175.25	3/4	848.70	3/4	543.06	3/4	259.87	3/4	14.12	3/4		3/4		3/4	
5	1,830.88	5	1,499.62	5	1,168.35	5	842.14	5	536.94	5	254.24	5		5		5		5	
1/4	1,823.98	1/4	1,492.72	1/4	1,161.45	1/4	835.58	1/4	530.81	1/4	248.61	1/4		1/4		1/4		1/4	
1/2	1,817.08	1/2	1,485.81	1/2	1,154.55	1/2	829.02	1/2	524.69	1/2	242.97	1/2		1/2		1/2		1/2	
3/4	1,810.18	3/4	1,478.91	3/4	1,147.65	3/4	822.46	3/4	518.56	3/4	237.34	3/4		3/4		3/4		3/4	
6	1,803.28	6	1,472.01	6	1,140.74	6	815.94	6	512.48	6	231.75	6		6		6		6	
1/4	1,796.38	1/4	1,465.11	1/4	1,133.84	1/4	809.41	1/4	506.39	1/4	226.15	1/4		1/4		1/4		1/4	
1/2	1,789.48	1/2	1,458.21	1/2	1,126.94	1/2	802.89	1/2	500.31	1/2	220.56	1/2		1/2		1/2		1/2	
3/4	1,782.57	3/4	1,451.31	3/4	1,120.04	3/4	796.37	3/4	494.22	3/4	214.96	3/4		3/4		3/4		3/4	
7	1,775.67	7	1,444.41	7	1,113.14	7	789.89	7	488.18	7	209.41	7		7		7		7	
1/4	1,768.77	1/4	1,437.50	1/4	1,106.24	1/4	783.41	1/4	482.14	1/4	203.86	1/4		1/4		1/4		1/4	
1/2	1,761.87	1/2	1,430.60	1/2	1,099.34	1/2	776.93	1/2	476.10	1/2	198.31	1/2		1/2		1/2		1/2	
3/4	1,754.97	3/4	1,423.70	3/4	1,092.43	3/4	770.45	3/4	470.06	3/4	192.76	3/4		3/4		3/4		3/4	
8	1,748.07	8	1,416.80	8	1,085.53	8	764.01	8	464.05	8	187.25	8		8		8		8	
1/4	1,741.17	1/4	1,409.90	1/4	1,078.63	1/4	757.57	1/4	458.05	1/4	181.74	1/4		1/4		1/4		1/4	
1/2	1,734.26	1/2	1,403.00	1/2	1,071.73	1/2	751.13	1/2	452.05	1/2	176.22	1/2		1/2		1/2		1/2	
3/4	1,727.36	3/4	1,396.10	3/4	1,064.83	3/4	744.69	3/4	446.04	3/4	170.71	3/4		3/4		3/4		3/4	
9	1,720.46	9	1,389.19	9	1,057.94	9	738.28	9	440.08	9	165.24	9		9		9		9	
1/4	1,713.56	1/4	1,382.29	1/4	1,051.05	1/4	731.86	1/4	434.12	1/4	159.78	1/4		1/4		1/4		1/4	
1/2	1,706.66	1/2	1,375.39	1/2	1,044.16	1/2	725.44	1/2	428.16	1/2	154.31	1/2		1/2		1/2		1/2	
3/4	1,699.76	3/4	1,368.49	3/4	1,037.26	3/4	719.03	3/4	422.20	3/4	148.84	3/4		3/4		3/4		3/4	
10	1,692.86	10	1,361.59	10	1,030.39	10	712.65	10	416.28	10	143.41	10		10		10		10	
1/4	1,685.95	1/4	1,354.69	1/4	1,023.51	1/4	706.26	1/4	410.36	1/4	137.98	1/4		1/4		1/4		1/4	
1/2	1,679.05	1/2	1,347.79	1/2	1,016.63	1/2	699.88	1/2	404.44	1/2	132.54	1/2		1/2		1/2		1/2	
3/4	1,672.15	3/4	1,340.88	3/4	1,009.76	3/4	693.50	3/4	398.52	3/4	127.11	3/4		3/4		3/4		3/4	
11	1,665.25	11	1,333.98	11	1,002.93	11	687.13	11	392.64	11	121.73	11		11		11		11	
1/4	1,658.35	1/4	1,327.08	1/4	996.11	1/4	680.76	1/4	386.76	1/4	116.34	1/4		1/4		1/4		1/4	
1/2	1,651.45	1/2	1,320.18	1/2	989.29	1/2	674.39	1/2	380.88	1/2	110.96	1/2		1/2		1/2		1/2	
3/4	1,644.55	3/4	1,313.28	3/4	982.47	3/4	668.02	3/4	375.01	3/4	105.57	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/12/2012 CL
CALCULATED: 10/12/2012 CL
PRINTED: 10/12/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "KIRBY 28151"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0		0		0		0	5,090.84	0	4,753.18	0	4,397.76	0	4,025.80	0	3,639.72	0	3,251.43	0	2,863.07	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,083.92	1/4	4,746.00	1/4	4,390.18	1/4	4,017.89	1/4	3,631.63	1/4	3,243.34	1/4	2,854.98	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,076.99	1/2	4,738.82	1/2	4,382.59	1/2	4,009.98	1/2	3,623.55	1/2	3,235.25	1/2	2,846.89	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,070.04	3/4	4,731.61	3/4	4,374.98	3/4	4,002.03	3/4	3,615.46	3/4	3,227.16	3/4	2,838.80	
1		1		1		1	5,063.08	1	4,724.40	1	4,367.37	1	3,994.08	1	3,607.37	1	3,219.07	1	2,830.71	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,056.13	1/4	4,717.18	1/4	4,359.76	1/4	3,986.13	1/4	3,599.28	1/4	3,210.98	1/4	2,822.61	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,049.18	1/2	4,709.97	1/2	4,352.15	1/2	3,978.18	1/2	3,591.19	1/2	3,202.89	1/2	2,814.52	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,042.20	3/4	4,702.73	3/4	4,344.51	3/4	3,970.21	3/4	3,583.10	3/4	3,194.80	3/4	2,806.43	
2		2		2		2	5,035.21	2	4,695.50	2	4,336.88	2	3,962.24	2	3,575.01	2	3,186.71	2	2,798.34	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,028.23	1/4	4,688.26	1/4	4,329.24	1/4	3,954.27	1/4	3,566.92	1/4	3,178.62	1/4	2,790.25	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,021.24	1/2	4,681.02	1/2	4,321.60	1/2	3,946.30	1/2	3,558.83	1/2	3,170.53	1/2	2,782.15	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,014.31	3/4	4,673.69	3/4	4,313.94	3/4	3,938.31	3/4	3,550.74	3/4	3,162.44	3/4	2,774.06	
3		3		3		3	5,007.37	3	4,666.35	3	4,306.27	3	3,930.31	3	3,542.65	3	3,154.35	3	2,765.97	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,000.43	1/4	4,659.02	1/4	4,298.60	1/4	3,922.32	1/4	3,534.56	1/4	3,146.26	1/4	2,757.88	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,993.50	1/2	4,651.69	1/2	4,290.94	1/2	3,914.32	1/2	3,526.47	1/2	3,138.18	1/2	2,749.79	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,986.53	3/4	4,644.32	3/4	4,283.24	3/4	3,906.30	3/4	3,518.38	3/4	3,130.09	3/4	2,741.69	
4		4		4		4	4,979.57	4	4,636.96	4	4,275.55	4	3,898.27	4	3,510.29	4	3,122.00	4	2,733.60	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,972.61	1/4	4,629.59	1/4	4,267.86	1/4	3,890.24	1/4	3,502.20	1/4	3,113.91	1/4	2,725.51	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,965.64	1/2	4,622.23	1/2	4,260.16	1/2	3,882.21	1/2	3,494.11	1/2	3,105.82	1/2	2,717.42	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,958.65	3/4	4,614.84	3/4	4,252.44	3/4	3,874.16	3/4	3,486.02	3/4	3,097.73	3/4	2,709.33	
5		5		5		5	4,951.65	5	4,607.45	5	4,244.71	5	3,866.10	5	3,477.93	5	3,089.64	5	2,701.23	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,944.66	1/4	4,600.06	1/4	4,236.98	1/4	3,858.05	1/4	3,469.84	1/4	3,081.55	1/4	2,693.14	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,937.67	1/2	4,592.67	1/2	4,229.26	1/2	3,850.00	1/2	3,461.76	1/2	3,073.46	1/2	2,685.05	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,930.65	3/4	4,585.24	3/4	4,221.51	3/4	3,841.92	3/4	3,453.67	3/4	3,065.37	3/4	2,676.96	
6		6	5,273.92	6	4,923.63	6	4,577.82	6	4,213.76	6	3,833.85	6	3,445.58	6	3,057.28	6	2,668.86			
1/4	1/4	1/4	5,267.85	1/4	4,916.61	1/4	4,570.39	1/4	4,206.01	1/4	3,825.77	1/4	3,437.49	1/4	3,049.19	1/4	2,660.77			
1/2	1/2	1/2	5,261.78	1/2	4,909.59	1/2	4,562.97	1/2	4,198.26	1/2	3,817.69	1/2	3,429.40	1/2	3,041.10	1/2	2,652.68			
3/4	3/4	3/4	5,255.69	3/4	4,902.54	3/4	4,555.52	3/4	4,190.49	3/4	3,809.60	3/4	3,421.31	3/4	3,033.01	3/4	2,644.59			
7		7	5,245.60	7	4,895.49	7	4,548.07	7	4,182.71	7	3,801.51	7	3,413.22	7	3,024.92	7	2,636.50			
1/4	1/4	1/4	5,237.51	1/4	4,888.44	1/4	4,540.63	1/4	4,174.94	1/4	3,793.42	1/4	3,405.13	1/4	3,016.82	1/4	2,628.40			
1/2	1/2	1/2	5,229.41	1/2	4,881.38	1/2	4,533.18	1/2	4,167.16	1/2	3,785.34	1/2	3,397.04	1/2	3,008.73	1/2	2,620.31			
3/4	3/4	3/4	5,221.32	3/4	4,874.31	3/4	4,525.71	3/4	4,159.35	3/4	3,777.25	3/4	3,388.95	3/4	3,000.64	3/4	2,612.22			
8		8	5,213.23	8	4,867.24	8	4,518.23	8	4,151.55	8	3,769.16	8	3,380.86	8	2,992.55	8	2,604.13			
1/4	1/4	1/4	5,205.14	1/4	4,860.16	1/4	4,510.76	1/4	4,143.74	1/4	3,761.07	1/4	3,372.77	1/4	2,984.46	1/4	2,596.04			
1/2	1/2	1/2	5,197.05	1/2	4,853.09	1/2	4,503.29	1/2	4,135.93	1/2	3,752.98	1/2	3,364.68	1/2	2,976.36	1/2	2,587.94			
3/4	3/4	3/4	5,188.95	3/4	4,845.99	3/4	4,495.78	3/4	4,128.10	3/4	3,744.89	3/4	3,356.59	3/4	2,968.27	3/4	2,579.85			
9		9	5,180.86	9	4,838.89	9	4,488.28	9	4,120.27	9	3,736.80	9	3,348.50	9	2,960.18	9	2,571.76			
1/4	1/4	1/4	5,172.77	1/4	4,831.79	1/4	4,480.77	1/4	4,112.44	1/4	3,728.71	1/4	3,340.41	1/4	2,952.09	1/4	2,563.67			
1/2	1/2	1/2	5,164.68	1/2	4,824.69	1/2	4,473.27	1/2	4,104.61	1/2	3,720.62	1/2	3,332.32	1/2	2,944.00	1/2	2,555.58			
3/4	3/4	3/4	5,156.58	3/4	4,817.56	3/4	4,465.74	3/4	4,096.75	3/4	3,712.53	3/4	3,324.23	3/4	2,935.90	3/4	2,547.48			
10		10	5,148.49	10	4,810.43	10	4,458.21	10	4,088.89	10	3,704.44	10	3,316.14	10	2,927.81	10	2,539.39			
1/4	1/4	1/4	5,140.40	1/4	4,803.30	1/4	4,450.68	1/4	4,081.04	1/4	3,696.35	1/4	3,308.05	1/4	2,919.72	1/4	2,531.30			
1/2	1/2	1/2	5,132.31	1/2	4,796.17	1/2	4,443.15	1/2	4,073.18	1/2	3,688.26	1/2	3,299.97	1/2	2,911.63	1/2	2,523.21			
3/4	3/4	3/4	5,125.41	3/4	4,789.01	3/4	4,435.60	3/4	4,065.29	3/4	3,680.17	3/4	3,291.88	3/4	2,903.54	3/4	2,515.11			
11		11	5,118.50	11	4,781.86	11	4,428.04	11	4,057.40	11	3,672.08	11	3,283.79	11	2,895.44	11	2,507.02			
1/4	1/4	1/4	5,111.60	1/4	4,774.70	1/4	4,420.49	1/4	4,049.52	1/4	3,663.99	1/4	3,275.70	1/4	2,887.35	1/4	2,498.93			
1/2	1/2	1/2	5,104.70	1/2	4,767.55	1/2	4,412.94	1/2	4,041.63	1/2	3,655.90	1/2	3,267.61	1/2	2,879.26	1/2	2,490.84			
3/4	3/4	3/4	5,097.77	3/4	4,760.36	3/4	4,405.35	3/4	4,033.72	3/4	3,647.81	3/4	3,259.52	3/4	2,871.17	3/4	2,482.75			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28151"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,474.65		2,086.23		1,697.81		1,309.39		920.97		533.44		145.44								
1/4	2,466.56	1/4	2,078.14	1/4	1,689.72	1/4	1,301.30	1/4	912.88	1/4	525.35	1/4	137.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,458.47	1/2	2,070.05	1/2	1,681.63	1/2	1,293.21	1/2	904.79	1/2	517.27	1/2	129.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,450.38	3/4	2,061.96	3/4	1,673.54	3/4	1,285.12	3/4	896.71	3/4	509.19	3/4	121.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,442.29	1	2,053.86	1	1,665.44	1	1,277.02	1	888.63	1	501.10	1	113.10	1	1	1	1	1	1	1	1
1/4	2,434.19	1/4	2,045.77	1/4	1,657.35	1/4	1,268.93	1/4	880.55	1/4	493.02	1/4	105.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,426.10	1/2	2,037.68	1/2	1,649.26	1/2	1,260.84	1/2	872.47	1/2	484.94	1/2	96.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,418.01	3/4	2,029.59	3/4	1,641.17	3/4	1,252.75	3/4	864.40	3/4	476.85	3/4	88.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,409.92	2	2,021.50	2	1,633.08	2	1,244.65	2	856.33	2	468.77	2	80.77	2	2	2	2	2	2	2	2
1/4	2,401.83	1/4	2,013.40	1/4	1,624.98	1/4	1,236.56	1/4	848.26	1/4	460.69	1/4	72.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,393.73	1/2	2,005.31	1/2	1,616.89	1/2	1,228.47	1/2	840.20	1/2	452.60	1/2	64.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,385.64	3/4	1,997.22	3/4	1,608.80	3/4	1,220.38	3/4	832.13	3/4	444.52	3/4	57.53	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,377.55	3	1,989.13	3	1,600.71	3	1,212.29	3	824.06	3	436.44	3	50.46	3	3	3	3	3	3	3	3
1/4	2,369.46	1/4	1,981.04	1/4	1,592.62	1/4	1,204.19	1/4	815.99	1/4	428.35	1/4	43.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,361.36	1/2	1,972.94	1/2	1,584.52	1/2	1,196.10	1/2	807.93	1/2	420.27	1/2	36.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,353.27	3/4	1,964.85	3/4	1,576.43	3/4	1,188.01	3/4	799.86	3/4	412.19	3/4	31.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,345.18	4	1,956.76	4	1,568.34	4	1,179.92	4	791.79	4	404.10	4	26.21	4	4	4	4	4	4	4	4
1/4	2,337.09	1/4	1,948.67	1/4	1,560.25	1/4	1,171.83	1/4	783.72	1/4	396.02	1/4	21.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,329.00	1/2	1,940.58	1/2	1,552.15	1/2	1,163.73	1/2	775.66	1/2	387.94	1/2	16.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,320.90	3/4	1,932.48	3/4	1,544.06	3/4	1,155.64	3/4	767.59	3/4	379.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,312.81	5	1,924.39	5	1,535.97	5	1,147.55	5	759.52	5	371.77	5		5	5	5	5	5	5	5	5
1/4	2,304.72	1/4	1,916.30	1/4	1,527.88	1/4	1,139.46	1/4	751.45	1/4	363.69	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,296.63	1/2	1,908.21	1/2	1,519.79	1/2	1,131.37	1/2	743.39	1/2	355.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,288.54	3/4	1,900.12	3/4	1,511.69	3/4	1,123.27	3/4	735.32	3/4	347.52	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	2,280.44	6	1,892.02	6	1,503.60	6	1,115.18	6	727.25	6	339.44	6		6	6	6	6	6	6	6	6
1/4	2,272.35	1/4	1,883.93	1/4	1,495.51	1/4	1,107.09	1/4	719.18	1/4	331.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,264.26	1/2	1,875.84	1/2	1,487.42	1/2	1,099.00	1/2	711.12	1/2	323.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,256.17	3/4	1,867.75	3/4	1,479.33	3/4	1,090.91	3/4	703.05	3/4	315.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	2,248.08	7	1,859.65	7	1,471.23	7	1,082.81	7	694.98	7	307.10	7		7	7	7	7	7	7	7	7
1/4	2,239.98	1/4	1,851.56	1/4	1,463.14	1/4	1,074.72	1/4	686.91	1/4	299.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,231.89	1/2	1,843.47	1/2	1,455.05	1/2	1,066.63	1/2	678.84	1/2	290.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,223.80	3/4	1,835.38	3/4	1,446.96	3/4	1,058.54	3/4	670.78	3/4	282.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	2,215.71	8	1,827.29	8	1,438.87	8	1,050.44	8	662.71	8	274.77	8		8	8	8	8	8	8	8	8
1/4	2,207.61	1/4	1,819.19	1/4	1,430.77	1/4	1,042.35	1/4	654.64	1/4	266.69	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,199.52	1/2	1,811.10	1/2	1,422.68	1/2	1,034.26	1/2	646.57	1/2	258.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,191.43	3/4	1,803.01	3/4	1,414.59	3/4	1,026.17	3/4	638.50	3/4	250.52	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	2,183.34	9	1,794.92	9	1,406.50	9	1,018.08	9	630.42	9	242.44	9		9	9	9	9	9	9	9	9
1/4	2,175.25	1/4	1,786.83	1/4	1,398.40	1/4	1,009.98	1/4	622.35	1/4	234.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,167.15	1/2	1,778.73	1/2	1,390.31	1/2	1,001.89	1/2	614.27	1/2	226.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,159.06	3/4	1,770.64	3/4	1,382.22	3/4	993.80	3/4	606.19	3/4	218.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	2,150.97	10	1,762.55	10	1,374.13	10	985.71	10	598.11	10	210.10	10		10	10	10	10	10	10	10	10
1/4	2,142.88	1/4	1,754.46	1/4	1,366.04	1/4	977.62	1/4	590.02	1/4	202.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,134.79	1/2	1,746.37	1/2	1,357.94	1/2	969.52	1/2	581.94	1/2	193.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,126.69	3/4	1,738.27	3/4	1,349.85	3/4	961.43	3/4	573.86	3/4	185.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	2,118.60	11	1,730.18	11	1,341.76	11	953.34	11	565.77	11	177.77	11		11	11	11	11	11	11	11	11
1/4	2,110.51	1/4	1,722.09	1/4	1,333.67	1/4	945.25	1/4	557.69	1/4	169.69	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,102.42	1/2	1,714.00	1/2	1,325.58	1/2	937.16	1/2	549.61	1/2	161.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,094.33	3/4	1,705.90	3/4	1,317.48	3/4	929.06	3/4	541.52	3/4	153.52	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/12/2012 CL
CALCULATED: 10/12/2012 CL
PRINTED: 10/12/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "KIRBY 28151"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	IN	0
							5,077.37		4,739.67		4,384.21		4,012.21		3,626.10		3,237.77		2,849.38		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,070.44	1/4	4,732.49	1/4	4,376.62	1/4	4,004.30	1/4	3,618.01	1/4	3,229.68	1/4	2,841.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,063.51	1/2	4,725.30	1/2	4,369.04	1/2	3,996.38	1/2	3,609.92	1/2	3,221.59	1/2	2,833.19		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,056.56	3/4	4,718.09	3/4	4,361.42	3/4	3,988.44	3/4	3,601.83	3/4	3,213.50	3/4	2,825.10		
1	1	1	1	1	1	1	5,049.61	1	4,710.88	1	4,353.81	1	3,980.49	1	3,593.74	1	3,205.41	1	2,817.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,042.65	1/4	4,703.66	1/4	4,346.20	1/4	3,972.54	1/4	3,585.65	1/4	3,197.31	1/4	2,808.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,035.70	1/2	4,696.45	1/2	4,338.59	1/2	3,964.59	1/2	3,577.56	1/2	3,189.22	1/2	2,800.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,028.72	3/4	4,689.21	3/4	4,330.95	3/4	3,956.62	3/4	3,569.47	3/4	3,181.13	3/4	2,792.73		
2	2	2	2	2	2	2	5,021.73	2	4,681.97	2	4,323.32	2	3,948.65	2	3,561.38	2	3,173.04	2	2,784.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,014.75	1/4	4,674.74	1/4	4,315.68	1/4	3,940.68	1/4	3,553.29	1/4	3,164.95	1/4	2,776.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,007.76	1/2	4,667.50	1/2	4,308.04	1/2	3,932.71	1/2	3,545.20	1/2	3,156.86	1/2	2,768.45		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,000.82	3/4	4,660.16	3/4	4,300.37	3/4	3,924.71	3/4	3,537.11	3/4	3,148.77	3/4	2,760.36		
3	3	3	3	3	3	3	4,993.89	3	4,652.83	3	4,292.71	3	3,916.72	3	3,529.02	3	3,140.68	3	2,752.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,986.95	1/4	4,645.49	1/4	4,285.04	1/4	3,908.72	1/4	3,520.93	1/4	3,132.59	1/4	2,744.17		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,980.01	1/2	4,638.16	1/2	4,277.37	1/2	3,900.72	1/2	3,512.84	1/2	3,124.50	1/2	2,736.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,973.04	3/4	4,630.79	3/4	4,269.68	3/4	3,892.70	3/4	3,504.75	3/4	3,116.41	3/4	2,727.99		
4	4	4	4	4	4	4	4,966.08	4	4,623.43	4	4,261.98	4	3,884.67	4	3,496.66	4	3,108.32	4	2,719.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,959.12	1/4	4,616.06	1/4	4,254.29	1/4	3,876.64	1/4	3,488.57	1/4	3,100.23	1/4	2,711.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,952.15	1/2	4,608.70	1/2	4,246.60	1/2	3,868.61	1/2	3,480.48	1/2	3,092.14	1/2	2,703.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,945.16	3/4	4,601.30	3/4	4,238.87	3/4	3,860.55	3/4	3,472.38	3/4	3,084.05	3/4	2,695.62		
5	5	5	5	5	5	5	4,938.16	5	4,593.91	5	4,231.14	5	3,852.50	5	3,464.29	5	3,075.96	5	2,687.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,931.17	1/4	4,586.52	1/4	4,223.41	1/4	3,844.45	1/4	3,456.20	1/4	3,067.87	1/4	2,679.43		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,924.17	1/2	4,579.13	1/2	4,215.69	1/2	3,836.40	1/2	3,448.11	1/2	3,059.78	1/2	2,671.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,917.15	3/4	4,571.70	3/4	4,207.94	3/4	3,828.32	3/4	3,440.02	3/4	3,051.69	3/4	2,663.25		
6	6	6	5,260.46	6	4,910.13	6	4,564.28	6	4,200.19	6	3,820.24	6	3,431.93	6	3,043.60	6	2,655.15				
1/4	1/4	1/4	5,254.39	1/4	4,903.11	1/4	4,556.85	1/4	4,192.44	1/4	3,812.16	1/4	3,423.84	1/4	3,035.51	1/4	2,647.06				
1/2	1/2	1/2	5,248.32	1/2	4,896.09	1/2	4,549.43	1/2	4,184.69	1/2	3,804.09	1/2	3,415.75	1/2	3,027.42	1/2	2,638.97				
3/4	3/4	3/4	5,240.23	3/4	4,889.04	3/4	4,541.98	3/4	4,176.91	3/4	3,796.00	3/4	3,407.66	3/4	3,019.33	3/4	2,630.88				
7	7	7	5,232.14	7	4,881.99	7	4,534.53	7	4,169.14	7	3,787.91	7	3,399.57	7	3,011.23	7	2,622.78				
1/4	1/4	1/4	5,224.05	1/4	4,874.94	1/4	4,527.09	1/4	4,161.36	1/4	3,779.82	1/4	3,391.48	1/4	3,003.14	1/4	2,614.69				
1/2	1/2	1/2	5,215.95	1/2	4,867.88	1/2	4,519.64	1/2	4,153.58	1/2	3,771.73	1/2	3,383.39	1/2	2,995.05	1/2	2,606.60				
3/4	3/4	3/4	5,207.86	3/4	4,860.81	3/4	4,512.16	3/4	4,145.78	3/4	3,763.64	3/4	3,375.30	3/4	2,986.95	3/4	2,598.51				
8	8	8	5,199.77	8	4,853.73	8	4,504.69	8	4,137.97	8	3,755.55	8	3,367.21	8	2,978.86	8	2,590.41				
1/4	1/4	1/4	5,191.67	1/4	4,846.66	1/4	4,497.22	1/4	4,130.16	1/4	3,747.46	1/4	3,359.12	1/4	2,970.77	1/4	2,582.32				
1/2	1/2	1/2	5,183.58	1/2	4,839.59	1/2	4,489.75	1/2	4,122.35	1/2	3,739.36	1/2	3,351.03	1/2	2,962.68	1/2	2,574.23				
3/4	3/4	3/4	5,175.49	3/4	4,832.49	3/4	4,482.24	3/4	4,114.52	3/4	3,731.27	3/4	3,342.94	3/4	2,954.58	3/4	2,566.13				
9	9	9	5,167.40	9	4,825.39	9	4,474.73	9	4,106.69	9	3,723.18	9	3,334.85	9	2,946.49	9	2,558.04				
1/4	1/4	1/4	5,159.30	1/4	4,818.29	1/4	4,467.23	1/4	4,098.86	1/4	3,715.09	1/4	3,326.76	1/4	2,938.40	1/4	2,549.95				
1/2	1/2	1/2	5,151.21	1/2	4,811.19	1/2	4,459.72	1/2	4,091.02	1/2	3,707.00	1/2	3,318.67	1/2	2,930.31	1/2	2,541.86				
3/4	3/4	3/4	5,143.12	3/4	4,804.05	3/4	4,452.19	3/4	4,083.17	3/4	3,698.91	3/4	3,310.58	3/4	2,922.21	3/4	2,533.76				
10	10	10	5,135.03	10	4,796.92	10	4,444.66	10	4,075.31	10	3,690.82	10	3,302.49	10	2,914.12	10	2,525.67				
1/4	1/4	1/4	5,126.93	1/4	4,789.79	1/4	4,437.13	1/4	4,067.45	1/4	3,682.73	1/4	3,294.40	1/4	2,906.03	1/4	2,517.58				
1/2	1/2	1/2	5,118.84	1/2	4,782.66	1/2	4,429.60	1/2	4,059.59	1/2	3,674.64	1/2	3,286.31	1/2	2,897.94	1/2	2,509.49				
3/4	3/4	3/4	5,111.94	3/4	4,775.50	3/4	4,422.05	3/4	4,051.71	3/4	3,666.55	3/4	3,278.22	3/4	2,889.84	3/4	2,501.39				
11	11	11	5,105.03	11	4,768.34	11	4,414.49	11	4,043.82	11	3,658.46	11	3,270.13	11	2,881.75	11	2,493.30				
1/4	1/4	1/4	5,098.13	1/4	4,761.19	1/4	4,406.94	1/4	4,035.93	1/4	3,650.37	1/4	3,262.04	1/4	2,873.66	1/4	2,485.21				
1/2	1/2	1/2	5,091.22	1/2	4,754.03	1/2	4,399.38	1/2	4,028.04	1/2	3,642.28	1/2	3,253.95	1/2	2,865.56	1/2	2,477.11				
3/4	3/4	3/4	5,084.30	3/4	4,746.85	3/4	4,391.80	3/4	4,020.13	3/4	3,634.19	3/4	3,245.86	3/4	2,857.47	3/4	2,469.02				

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-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 28151"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,460.93	0	2,072.48	0	1,684.03	0	1,295.58	0	908.36	0	534.38	0	145.97	0		0		0	
1/4	2,452.84	1/4	2,064.39	1/4	1,675.94	1/4	1,287.49	1/4	900.58	1/4	526.29	1/4	137.88	1/4	1/4	1/4		1/4	1/4
1/2	2,444.74	1/2	2,056.29	1/2	1,667.84	1/2	1,279.40	1/2	892.79	1/2	518.19	1/2	129.79	1/2	1/2	1/2		1/2	1/2
3/4	2,436.65	3/4	2,048.20	3/4	1,659.75	3/4	1,271.30	3/4	885.03	3/4	510.10	3/4	121.70	3/4	3/4	3/4		3/4	3/4
1	2,428.56	1	2,040.11	1	1,651.66	1	1,263.21	1	877.26	1	502.01	1	113.60	1	1	1		1	1
1/4	2,420.47	1/4	2,032.02	1/4	1,643.57	1/4	1,255.12	1/4	869.49	1/4	493.92	1/4	105.51	1/4	1/4	1/4		1/4	1/4
1/2	2,412.37	1/2	2,023.92	1/2	1,635.47	1/2	1,247.02	1/2	861.72	1/2	485.83	1/2	97.42	1/2	1/2	1/2		1/2	1/2
3/4	2,404.28	3/4	2,015.83	3/4	1,627.38	3/4	1,238.93	3/4	853.96	3/4	477.73	3/4	89.33	3/4	3/4	3/4		3/4	3/4
2	2,396.19	2	2,007.74	2	1,619.29	2	1,230.84	2	846.20	2	469.64	2	81.24	2	2	2		2	2
1/4	2,388.10	1/4	1,999.65	1/4	1,611.20	1/4	1,222.75	1/4	838.44	1/4	461.55	1/4	73.14	1/4	1/4	1/4		1/4	1/4
1/2	2,380.00	1/2	1,991.55	1/2	1,603.10	1/2	1,214.65	1/2	830.68	1/2	453.46	1/2	65.05	1/2	1/2	1/2		1/2	1/2
3/4	2,371.91	3/4	1,983.46	3/4	1,595.01	3/4	1,206.56	3/4	822.93	3/4	445.37	3/4	57.97	3/4	3/4	3/4		3/4	3/4
3	2,363.82	3	1,975.37	3	1,586.92	3	1,198.47	3	815.17	3	437.28	3	50.89	3	3	3		3	3
1/4	2,355.72	1/4	1,967.27	1/4	1,578.83	1/4	1,190.38	1/4	807.41	1/4	429.18	1/4	43.81	1/4	1/4	1/4		1/4	1/4
1/2	2,347.63	1/2	1,959.18	1/2	1,570.73	1/2	1,182.28	1/2	799.65	1/2	421.09	1/2	36.73	1/2	1/2	1/2		1/2	1/2
3/4	2,339.54	3/4	1,951.09	3/4	1,562.64	3/4	1,174.19	3/4	791.89	3/4	413.00	3/4	31.67	3/4	3/4	3/4		3/4	3/4
4	2,331.45	4	1,943.00	4	1,554.55	4	1,166.10	4	784.13	4	404.91	4	26.61	4	4	4		4	4
1/4	2,323.35	1/4	1,934.90	1/4	1,546.45	1/4	1,158.00	1/4	776.38	1/4	396.82	1/4	21.55	1/4	1/4	1/4		1/4	1/4
1/2	2,315.26	1/2	1,926.81	1/2	1,538.36	1/2	1,149.91	1/2	768.62	1/2	388.72	1/2	16.49	1/2	1/2	1/2		1/2	1/2
3/4	2,307.17	3/4	1,918.72	3/4	1,530.27	3/4	1,141.82	3/4	760.86	3/4	380.63	3/4		3/4	3/4	3/4		3/4	3/4
5	2,299.08	5	1,910.63	5	1,522.18	5	1,133.73	5	753.10	5	372.54	5		5	5	5		5	5
1/4	2,290.98	1/4	1,902.53	1/4	1,514.08	1/4	1,125.63	1/4	745.34	1/4	364.45	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,282.89	1/2	1,894.44	1/2	1,505.99	1/2	1,117.54	1/2	737.58	1/2	356.36	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,274.80	3/4	1,886.35	3/4	1,497.90	3/4	1,109.45	3/4	729.83	3/4	348.27	3/4		3/4	3/4	3/4		3/4	3/4
6	2,266.70	6	1,878.26	6	1,489.81	6	1,101.36	6	722.07	6	340.17	6		6	6	6		6	6
1/4	2,258.61	1/4	1,870.16	1/4	1,481.71	1/4	1,093.26	1/4	714.31	1/4	332.08	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,250.52	1/2	1,862.07	1/2	1,473.62	1/2	1,085.17	1/2	706.55	1/2	323.99	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,242.43	3/4	1,853.98	3/4	1,465.53	3/4	1,077.08	3/4	698.79	3/4	315.90	3/4		3/4	3/4	3/4		3/4	3/4
7	2,234.33	7	1,845.88	7	1,457.43	7	1,068.99	7	691.04	7	307.81	7		7	7	7		7	7
1/4	2,226.24	1/4	1,837.79	1/4	1,449.34	1/4	1,060.89	1/4	683.28	1/4	299.71	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,218.15	1/2	1,829.70	1/2	1,441.25	1/2	1,052.80	1/2	675.52	1/2	291.62	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,210.06	3/4	1,821.61	3/4	1,433.16	3/4	1,044.71	3/4	667.77	3/4	283.53	3/4		3/4	3/4	3/4		3/4	3/4
8	2,201.96	8	1,813.51	8	1,425.06	8	1,036.61	8	660.01	8	275.44	8		8	8	8		8	8
1/4	2,193.87	1/4	1,805.42	1/4	1,416.97	1/4	1,028.52	1/4	652.26	1/4	267.35	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,185.78	1/2	1,797.33	1/2	1,408.88	1/2	1,020.43	1/2	644.50	1/2	259.26	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,177.68	3/4	1,789.24	3/4	1,400.79	3/4	1,012.34	3/4	636.73	3/4	251.16	3/4		3/4	3/4	3/4		3/4	3/4
9	2,169.59	9	1,781.14	9	1,392.69	9	1,004.24	9	628.97	9	243.07	9		9	9	9		9	9
1/4	2,161.50	1/4	1,773.05	1/4	1,384.60	1/4	996.15	1/4	621.20	1/4	234.98	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,153.41	1/2	1,764.96	1/2	1,376.51	1/2	988.06	1/2	613.43	1/2	226.89	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,145.31	3/4	1,756.86	3/4	1,368.41	3/4	979.97	3/4	605.65	3/4	218.80	3/4		3/4	3/4	3/4		3/4	3/4
10	2,137.22	10	1,748.77	10	1,360.32	10	971.87	10	597.87	10	210.70	10		10	10	10		10	10
1/4	2,129.13	1/4	1,740.68	1/4	1,352.23	1/4	963.78	1/4	590.09	1/4	202.61	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,121.04	1/2	1,732.59	1/2	1,344.14	1/2	955.69	1/2	582.31	1/2	194.52	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,112.94	3/4	1,724.49	3/4	1,336.04	3/4	947.75	3/4	574.37	3/4	186.43	3/4		3/4	3/4	3/4		3/4	3/4
11	2,104.85	11	1,716.40	11	1,327.95	11	939.81	11	566.44	11	178.34	11		11	11	11		11	11
1/4	2,096.76	1/4	1,708.31	1/4	1,319.86	1/4	931.87	1/4	558.50	1/4	170.25	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,088.67	1/2	1,700.22	1/2	1,311.77	1/2	923.93	1/2	550.56	1/2	162.15	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,080.57	3/4	1,692.12	3/4	1,303.67	3/4	916.14	3/4	542.47	3/4	154.06	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/12/2012 CL
CALCULATED: 10/12/2012 CL
PRINTED: 10/12/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "KIRBY 28151"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	IN	0
							4,492.70		4,236.79		3,968.04		3,686.86		3,392.52		3,036.75		2,675.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,487.45	1/4	4,231.33	1/4	3,962.30	1/4	3,680.86	1/4	3,385.70	1/4	3,029.24	1/4	2,668.43		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,482.21	1/2	4,225.88	1/2	3,956.55	1/2	3,674.87	1/2	3,378.88	1/2	3,021.72	1/2	2,660.91		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,476.96	3/4	4,220.42	3/4	3,950.81	3/4	3,668.88	3/4	3,372.06	3/4	3,014.20	3/4	2,653.39		
1	1	1	1	1	1	1	4,471.72	1	4,214.97	1	3,945.07	1	3,662.89	1	3,365.24	1	3,006.69	1	2,645.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,466.45	1/4	4,209.49	1/4	3,939.30	1/4	3,656.87	1/4	3,358.14	1/4	2,999.17	1/4	2,638.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,461.19	1/2	4,204.01	1/2	3,933.54	1/2	3,650.85	1/2	3,351.04	1/2	2,991.66	1/2	2,630.84		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,455.93	3/4	4,198.53	3/4	3,927.77	3/4	3,644.83	3/4	3,343.94	3/4	2,984.14	3/4	2,623.32		
2	2	2	2	2	2	2	4,450.66	2	4,193.05	2	3,922.01	2	3,638.81	2	3,336.84	2	2,976.62	2	2,615.80		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,445.37	1/4	4,187.56	1/4	3,916.23	1/4	3,632.77	1/4	3,329.46	1/4	2,969.11	1/4	2,608.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,440.08	1/2	4,182.06	1/2	3,910.45	1/2	3,626.74	1/2	3,322.09	1/2	2,961.59	1/2	2,600.76		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,434.80	3/4	4,176.56	3/4	3,904.66	3/4	3,620.70	3/4	3,314.71	3/4	2,954.07	3/4	2,593.25		
3	3	3	3	3	3	3	4,429.51	3	4,171.06	3	3,898.88	3	3,614.67	3	3,307.34	3	2,946.56	3	2,585.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,424.24	1/4	4,165.51	1/4	3,893.07	1/4	3,608.61	1/4	3,299.82	1/4	2,939.04	1/4	2,578.21		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,418.97	1/2	4,159.96	1/2	3,887.27	1/2	3,602.56	1/2	3,292.30	1/2	2,931.53	1/2	2,570.69		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,413.70	3/4	4,154.40	3/4	3,881.46	3/4	3,596.50	3/4	3,284.79	3/4	2,924.01	3/4	2,563.18		
4	4	4	4	4	4	4	4,408.43	4	4,148.85	4	3,875.65	4	3,590.45	4	3,277.27	4	2,916.49	4	2,555.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,403.14	1/4	4,143.27	1/4	3,869.83	1/4	3,584.37	1/4	3,269.75	1/4	2,908.98	1/4	2,548.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,397.85	1/2	4,137.69	1/2	3,864.00	1/2	3,578.29	1/2	3,262.24	1/2	2,901.46	1/2	2,540.62		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,392.56	3/4	4,132.12	3/4	3,858.18	3/4	3,572.21	3/4	3,254.72	3/4	2,893.94	3/4	2,533.10		
5	5	5	5	5	5	5	4,387.27	5	4,126.54	5	3,852.35	5	3,566.13	5	3,247.21	5	2,886.43	5	2,525.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,381.96	1/4	4,120.94	1/4	3,846.50	1/4	3,560.03	1/4	3,239.69	1/4	2,878.91	1/4	2,518.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,376.65	1/2	4,115.34	1/2	3,840.65	1/2	3,553.93	1/2	3,232.17	1/2	2,871.40	1/2	2,510.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,371.33	3/4	4,109.75	3/4	3,834.80	3/4	3,547.84	3/4	3,224.66	3/4	2,863.88	3/4	2,503.03		
6	6	6	6	6	6	6	4,366.02	6	4,104.15	6	3,828.95	6	3,541.74	6	3,217.14	6	2,856.36	6	2,495.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,360.69	1/4	4,098.53	1/4	3,823.08	1/4	3,535.62	1/4	3,209.63	1/4	2,848.85	1/4	2,488.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,620.84	1/2	4,355.36	1/2	4,092.91	1/2	3,817.21	1/2	3,529.51	1/2	3,202.11	1/2	2,841.33	1/2	2,480.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,616.24	3/4	4,350.03	3/4	4,087.28	3/4	3,811.34	3/4	3,523.39	3/4	3,194.59	3/4	2,833.82	3/4	2,472.96
7	7	7	7	7	7	7	4,611.65	7	4,344.69	7	4,081.66	7	3,805.47	7	3,517.27	7	3,187.08	7	2,826.30	7	2,465.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,605.52	1/4	4,339.34	1/4	4,076.02	1/4	3,799.58	1/4	3,511.15	1/4	3,179.56	1/4	2,818.78	1/4	2,457.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,599.39	1/2	4,333.98	1/2	4,070.38	1/2	3,793.70	1/2	3,505.02	1/2	3,172.04	1/2	2,811.26	1/2	2,450.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,593.26	3/4	4,328.62	3/4	4,064.74	3/4	3,787.81	3/4	3,498.89	3/4	3,164.53	3/4	2,803.75	3/4	2,442.89
8	8	8	8	8	8	8	4,587.14	8	4,323.27	8	4,059.10	8	3,781.92	8	3,492.77	8	3,157.01	8	2,796.23	8	2,435.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,581.01	1/4	4,317.89	1/4	4,053.44	1/4	3,776.01	1/4	3,486.64	1/4	3,149.50	1/4	2,788.71	1/4	2,427.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,574.88	1/2	4,312.52	1/2	4,047.79	1/2	3,770.10	1/2	3,480.52	1/2	3,141.98	1/2	2,781.19	1/2	2,420.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,568.75	3/4	4,307.15	3/4	4,042.13	3/4	3,764.18	3/4	3,474.39	3/4	3,134.46	3/4	2,773.67	3/4	2,412.82
9	9	9	9	9	9	9	4,562.63	9	4,301.77	9	4,036.47	9	3,758.27	9	3,468.26	9	3,126.95	9	2,766.16	9	2,405.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,556.50	1/4	4,296.38	1/4	4,030.78	1/4	3,752.34	1/4	3,462.14	1/4	3,119.43	1/4	2,758.64	1/4	2,397.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,550.37	1/2	4,290.99	1/2	4,025.10	1/2	3,746.41	1/2	3,456.01	1/2	3,111.91	1/2	2,751.12	1/2	2,390.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,544.24	3/4	4,285.59	3/4	4,019.42	3/4	3,740.48	3/4	3,449.88	3/4	3,104.40	3/4	2,743.60	3/4	2,382.75
10	10	10	10	10	10	10	4,538.12	10	4,280.20	10	4,013.73	10	3,734.55	10	3,443.76	10	3,096.88	10	2,736.09	10	2,375.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,531.99	1/4	4,274.78	1/4	4,008.03	1/4	3,728.60	1/4	3,437.49	1/4	3,089.37	1/4	2,728.57	1/4	2,367.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,525.86	1/2	4,269.37	1/2	4,002.33	1/2	3,722.65	1/2	3,431.23	1/2	3,081.85	1/2	2,721.05	1/2	2,360.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,519.73	3/4	4,263.95	3/4	3,996.63	3/4	3,716.70	3/4	3,424.96	3/4	3,074.33	3/4	2,713.53	3/4	2,352.68
11	11	11	11	11	11	11	4,513.61	11	4,258.53	11	3,990.93	11	3,710.75	11	3,418.70	11	3,066.82	11	2,706.01	11	2,345.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,508.38	1/4	4,253.09	1/4	3,985.21	1/4	3,704.78	1/4	3,412.15	1/4	3,059.30	1/4	2,698.50	1/4	2,337.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,503.15	1/2	4,247.66	1/2	3,979.49	1/2	3,698.80	1/2	3,405.61	1/2	3,051.78	1/2	2,690.98	1/2	2,330.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,497.92	3/4	4,242.22	3/4	3,973.76	3/4	3,692.83	3/4	3,399.07	3/4	3,044.27	3/4	2,683.46	3/4	2,322.61

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-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 28151"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,315.09	0	1,954.23	0	1,593.38	0	1,232.53	0	872.46	0	511.63	0	150.79	0		0		0	
1/4	2,307.57	1/4	1,946.72	1/4	1,585.86	1/4	1,225.01	1/4	864.95	1/4	504.11	1/4	143.28	1/4	1/4	1/4		1/4	
1/2	2,300.05	1/2	1,939.20	1/2	1,578.34	1/2	1,217.49	1/2	857.43	1/2	496.59	1/2	135.76	1/2	1/2	1/2		1/2	
3/4	2,292.53	3/4	1,931.68	3/4	1,570.83	3/4	1,209.97	3/4	849.91	3/4	489.08	3/4	128.24	3/4	3/4	3/4		3/4	
1	2,285.02	1	1,924.16	1	1,563.31	1	1,202.45	1	842.39	1	481.56	1	120.72	1	1	1		1	
1/4	2,277.50	1/4	1,916.64	1/4	1,555.79	1/4	1,194.94	1/4	834.88	1/4	474.04	1/4	113.21	1/4	1/4	1/4		1/4	
1/2	2,269.98	1/2	1,909.13	1/2	1,548.27	1/2	1,187.42	1/2	827.36	1/2	466.52	1/2	105.69	1/2	1/2	1/2		1/2	
3/4	2,262.46	3/4	1,901.61	3/4	1,540.75	3/4	1,179.90	3/4	819.84	3/4	459.01	3/4	98.17	3/4	3/4	3/4		3/4	
2	2,254.95	2	1,894.09	2	1,533.24	2	1,172.38	2	812.33	2	451.49	2	90.65	2	2	2		2	
1/4	2,247.43	1/4	1,886.57	1/4	1,525.72	1/4	1,164.86	1/4	804.81	1/4	443.97	1/4	83.14	1/4	1/4	1/4		1/4	
1/2	2,239.91	1/2	1,879.06	1/2	1,518.20	1/2	1,157.35	1/2	797.29	1/2	436.46	1/2	75.62	1/2	1/2	1/2		1/2	
3/4	2,232.39	3/4	1,871.54	3/4	1,510.68	3/4	1,149.83	3/4	789.77	3/4	428.94	3/4	68.10	3/4	3/4	3/4		3/4	
3	2,224.87	3	1,864.02	3	1,503.17	3	1,142.31	3	782.26	3	421.42	3	60.59	3	3	3		3	
1/4	2,217.36	1/4	1,856.50	1/4	1,495.65	1/4	1,134.79	1/4	774.74	1/4	413.90	1/4	54.01	1/4	1/4	1/4		1/4	
1/2	2,209.84	1/2	1,848.98	1/2	1,488.13	1/2	1,127.28	1/2	767.22	1/2	406.39	1/2	47.43	1/2	1/2	1/2		1/2	
3/4	2,202.32	3/4	1,841.47	3/4	1,480.61	3/4	1,119.76	3/4	759.70	3/4	398.87	3/4	40.85	3/4	3/4	3/4		3/4	
4	2,194.80	4	1,833.95	4	1,473.09	4	1,112.24	4	752.19	4	391.35	4	34.27	4	4	4		4	
1/4	2,187.29	1/4	1,826.43	1/4	1,465.58	1/4	1,104.75	1/4	744.67	1/4	383.83	1/4	29.57	1/4	1/4	1/4		1/4	
1/2	2,179.77	1/2	1,818.91	1/2	1,458.06	1/2	1,097.25	1/2	737.15	1/2	376.32	1/2	24.87	1/2	1/2	1/2		1/2	
3/4	2,172.25	3/4	1,811.40	3/4	1,450.54	3/4	1,089.76	3/4	729.63	3/4	368.80	3/4	20.18	3/4	3/4	3/4		3/4	
5	2,164.73	5	1,803.88	5	1,443.02	5	1,082.27	5	722.12	5	361.28	5	15.48	5	5	5		5	
1/4	2,157.21	1/4	1,796.36	1/4	1,435.51	1/4	1,074.78	1/4	714.60	1/4	353.76	1/4		1/4	1/4	1/4		1/4	
1/2	2,149.70	1/2	1,788.84	1/2	1,427.99	1/2	1,067.28	1/2	707.08	1/2	346.25	1/2		1/2	1/2	1/2		1/2	
3/4	2,142.18	3/4	1,781.32	3/4	1,420.47	3/4	1,059.79	3/4	699.56	3/4	338.73	3/4		3/4	3/4	3/4		3/4	
6	2,134.66	6	1,773.81	6	1,412.95	6	1,052.30	6	692.05	6	331.21	6		6	6	6		6	
1/4	2,127.14	1/4	1,766.29	1/4	1,405.43	1/4	1,044.80	1/4	684.53	1/4	323.69	1/4		1/4	1/4	1/4		1/4	
1/2	2,119.63	1/2	1,758.77	1/2	1,397.92	1/2	1,037.31	1/2	677.01	1/2	316.18	1/2		1/2	1/2	1/2		1/2	
3/4	2,112.11	3/4	1,751.25	3/4	1,390.40	3/4	1,029.82	3/4	669.49	3/4	308.66	3/4		3/4	3/4	3/4		3/4	
7	2,104.59	7	1,743.74	7	1,382.88	7	1,022.32	7	661.98	7	301.14	7		7	7	7		7	
1/4	2,097.07	1/4	1,736.22	1/4	1,375.36	1/4	1,014.83	1/4	654.46	1/4	293.62	1/4		1/4	1/4	1/4		1/4	
1/2	2,089.55	1/2	1,728.70	1/2	1,367.85	1/2	1,007.34	1/2	646.94	1/2	286.11	1/2		1/2	1/2	1/2		1/2	
3/4	2,082.04	3/4	1,721.18	3/4	1,360.33	3/4	999.85	3/4	639.42	3/4	278.59	3/4		3/4	3/4	3/4		3/4	
8	2,074.52	8	1,713.66	8	1,352.81	8	992.35	8	631.91	8	271.07	8		8	8	8		8	
1/4	2,067.00	1/4	1,706.15	1/4	1,345.29	1/4	984.86	1/4	624.39	1/4	263.55	1/4		1/4	1/4	1/4		1/4	
1/2	2,059.48	1/2	1,698.63	1/2	1,337.77	1/2	977.37	1/2	616.87	1/2	256.04	1/2		1/2	1/2	1/2		1/2	
3/4	2,051.97	3/4	1,691.11	3/4	1,330.26	3/4	969.87	3/4	609.36	3/4	248.52	3/4		3/4	3/4	3/4		3/4	
9	2,044.45	9	1,683.59	9	1,322.74	9	962.38	9	601.84	9	241.00	9		9	9	9		9	
1/4	2,036.93	1/4	1,676.08	1/4	1,315.22	1/4	954.89	1/4	594.32	1/4	233.49	1/4		1/4	1/4	1/4		1/4	
1/2	2,029.41	1/2	1,668.56	1/2	1,307.70	1/2	947.39	1/2	586.80	1/2	225.97	1/2		1/2	1/2	1/2		1/2	
3/4	2,021.89	3/4	1,661.04	3/4	1,300.19	3/4	939.90	3/4	579.29	3/4	218.45	3/4		3/4	3/4	3/4		3/4	
10	2,014.38	10	1,653.52	10	1,292.67	10	932.41	10	571.77	10	210.93	10		10	10	10		10	
1/4	2,006.86	1/4	1,646.00	1/4	1,285.15	1/4	924.92	1/4	564.25	1/4	203.42	1/4		1/4	1/4	1/4		1/4	
1/2	1,999.34	1/2	1,638.49	1/2	1,277.63	1/2	917.42	1/2	556.73	1/2	195.90	1/2		1/2	1/2	1/2		1/2	
3/4	1,991.82	3/4	1,630.97	3/4	1,270.11	3/4	909.93	3/4	549.22	3/4	188.38	3/4		3/4	3/4	3/4		3/4	
11	1,984.31	11	1,623.45	11	1,262.60	11	902.44	11	541.70	11	180.86	11		11	11	11		11	
1/4	1,976.79	1/4	1,615.93	1/4	1,255.08	1/4	894.94	1/4	534.18	1/4	173.35	1/4		1/4	1/4	1/4		1/4	
1/2	1,969.27	1/2	1,608.42	1/2	1,247.56	1/2	887.45	1/2	526.66	1/2	165.83	1/2		1/2	1/2	1/2		1/2	
3/4	1,961.75	3/4	1,600.90	3/4	1,240.04	3/4	879.96	3/4	519.15	3/4	158.31	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/12/2012 CL
CALCULATED: 10/12/2012 CL
PRINTED: 10/12/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "KIRBY 28151"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,471.39	0	4,215.40	0	3,946.58	0	3,665.31	0	3,370.89	0	3,015.51	0	2,655.27
1/4		1/4		1/4		1/4	4,466.14	1/4	4,209.95	1/4	3,940.83	1/4	3,659.31	1/4	3,364.07	1/4	3,008.01	1/4	2,647.76
1/2		1/2		1/2		1/2	4,460.90	1/2	4,204.49	1/2	3,935.09	1/2	3,653.32	1/2	3,357.24	1/2	3,000.50	1/2	2,640.25
3/4		3/4		3/4		3/4	4,455.65	3/4	4,199.03	3/4	3,929.34	3/4	3,647.33	3/4	3,350.42	3/4	2,993.00	3/4	2,632.75
1		1		1		1	4,450.40	1	4,193.58	1	3,923.59	1	3,641.33	1	3,343.59	1	2,985.49	1	2,625.24
1/4		1/4		1/4		1/4	4,445.14	1/4	4,188.10	1/4	3,917.83	1/4	3,635.31	1/4	3,336.49	1/4	2,977.99	1/4	2,617.74
1/2		1/2		1/2		1/2	4,439.87	1/2	4,182.62	1/2	3,912.06	1/2	3,629.29	1/2	3,329.39	1/2	2,970.48	1/2	2,610.23
3/4		3/4		3/4		3/4	4,434.61	3/4	4,177.14	3/4	3,906.30	3/4	3,623.27	3/4	3,322.29	3/4	2,962.98	3/4	2,602.73
2		2		2		2	4,429.34	2	4,171.66	2	3,900.53	2	3,617.25	2	3,315.19	2	2,955.47	2	2,595.22
1/4		1/4		1/4		1/4	4,424.05	1/4	4,166.16	1/4	3,894.75	1/4	3,611.21	1/4	3,307.81	1/4	2,947.97	1/4	2,587.71
1/2		1/2		1/2		1/2	4,418.76	1/2	4,160.66	1/2	3,888.96	1/2	3,605.17	1/2	3,300.43	1/2	2,940.46	1/2	2,580.21
3/4		3/4		3/4		3/4	4,413.47	3/4	4,155.16	3/4	3,883.18	3/4	3,599.14	3/4	3,293.05	3/4	2,932.96	3/4	2,572.70
3		3		3		3	4,408.18	3	4,149.66	3	3,877.39	3	3,593.10	3	3,285.68	3	2,925.46	3	2,565.20
1/4		1/4		1/4		1/4	4,402.91	1/4	4,144.10	1/4	3,871.59	1/4	3,587.04	1/4	3,278.17	1/4	2,917.95	1/4	2,557.69
1/2		1/2		1/2		1/2	4,397.64	1/2	4,138.55	1/2	3,865.78	1/2	3,580.99	1/2	3,270.67	1/2	2,910.45	1/2	2,550.18
3/4		3/4		3/4		3/4	4,392.37	3/4	4,132.99	3/4	3,859.97	3/4	3,574.93	3/4	3,263.16	3/4	2,902.94	3/4	2,542.68
4		4		4		4	4,387.10	4	4,127.44	4	3,854.16	4	3,568.87	4	3,255.66	4	2,895.44	4	2,535.17
1/4		1/4		1/4		1/4	4,381.80	1/4	4,121.86	1/4	3,848.34	1/4	3,562.79	1/4	3,248.15	1/4	2,887.93	1/4	2,527.67
1/2		1/2		1/2		1/2	4,376.51	1/2	4,116.28	1/2	3,842.51	1/2	3,556.71	1/2	3,240.65	1/2	2,880.43	1/2	2,520.16
3/4		3/4		3/4		3/4	4,371.22	3/4	4,110.70	3/4	3,836.68	3/4	3,550.63	3/4	3,233.14	3/4	2,872.92	3/4	2,512.66
5		5		5		5	4,365.93	5	4,105.12	5	3,830.85	5	3,544.54	5	3,225.64	5	2,865.42	5	2,505.15
1/4		1/4		1/4		1/4	4,360.62	1/4	4,099.52	1/4	3,825.00	1/4	3,538.45	1/4	3,218.14	1/4	2,857.91	1/4	2,497.64
1/2		1/2		1/2		1/2	4,355.30	1/2	4,093.92	1/2	3,819.15	1/2	3,532.35	1/2	3,210.63	1/2	2,850.41	1/2	2,490.14
3/4		3/4		3/4		3/4	4,349.99	3/4	4,088.33	3/4	3,813.29	3/4	3,526.25	3/4	3,203.13	3/4	2,842.91	3/4	2,482.63
6		6		6		6	4,344.68	6	4,082.73	6	3,807.44	6	3,520.15	6	3,195.62	6	2,835.40	6	2,475.13
1/4		1/4		1/4		1/4	4,339.34	1/4	4,077.10	1/4	3,801.57	1/4	3,514.03	1/4	3,188.12	1/4	2,827.90	1/4	2,467.62
1/2		1/2		1/2	4,599.57	1/2	4,334.01	1/2	4,071.48	1/2	3,795.70	1/2	3,507.91	1/2	3,180.61	1/2	2,820.39	1/2	2,460.12
3/4		3/4		3/4	4,594.97	3/4	4,328.67	3/4	4,065.85	3/4	3,789.83	3/4	3,501.79	3/4	3,173.11	3/4	2,812.89	3/4	2,452.62
7		7		7	4,590.37	7	4,323.34	7	4,060.23	7	3,783.96	7	3,495.67	7	3,165.60	7	2,805.38	7	2,445.12
1/4		1/4		1/4	4,584.24	1/4	4,317.98	1/4	4,054.59	1/4	3,778.07	1/4	3,489.55	1/4	3,158.10	1/4	2,797.88	1/4	2,437.62
1/2		1/2		1/2	4,578.11	1/2	4,312.62	1/2	4,048.95	1/2	3,772.18	1/2	3,483.42	1/2	3,150.59	1/2	2,790.37	1/2	2,430.11
3/4		3/4		3/4	4,571.99	3/4	4,307.27	3/4	4,043.31	3/4	3,766.29	3/4	3,477.29	3/4	3,143.09	3/4	2,782.86	3/4	2,422.61
8		8		8	4,565.86	8	4,301.91	8	4,037.67	8	3,760.40	8	3,471.16	8	3,135.58	8	2,775.36	8	2,415.11
1/4		1/4		1/4	4,559.73	1/4	4,296.53	1/4	4,032.01	1/4	3,754.49	1/4	3,465.03	1/4	3,128.08	1/4	2,767.85	1/4	2,407.61
1/2		1/2		1/2	4,553.60	1/2	4,291.16	1/2	4,026.34	1/2	3,748.57	1/2	3,458.91	1/2	3,120.58	1/2	2,760.35	1/2	2,400.10
3/4		3/4		3/4	4,547.47	3/4	4,285.78	3/4	4,020.68	3/4	3,742.66	3/4	3,452.78	3/4	3,113.07	3/4	2,752.84	3/4	2,392.60
9		9		9	4,541.34	9	4,280.41	9	4,015.02	9	3,736.74	9	3,446.65	9	3,105.57	9	2,745.34	9	2,385.10
1/4		1/4		1/4	4,535.21	1/4	4,275.01	1/4	4,009.34	1/4	3,730.81	1/4	3,440.52	1/4	3,098.06	1/4	2,737.83	1/4	2,377.60
1/2		1/2		1/2	4,529.08	1/2	4,269.62	1/2	4,003.65	1/2	3,724.88	1/2	3,434.39	1/2	3,090.56	1/2	2,730.32	1/2	2,370.10
3/4		3/4		3/4	4,522.95	3/4	4,264.22	3/4	3,997.97	3/4	3,718.95	3/4	3,428.27	3/4	3,083.05	3/4	2,722.82	3/4	2,362.59
10		10		10	4,516.82	10	4,258.83	10	3,992.28	10	3,713.02	10	3,422.14	10	3,075.55	10	2,715.31	10	2,355.09
1/4		1/4		1/4	4,510.69	1/4	4,253.41	1/4	3,986.58	1/4	3,707.06	1/4	3,415.87	1/4	3,068.04	1/4	2,707.81	1/4	2,347.59
1/2		1/2		1/2	4,504.56	1/2	4,247.99	1/2	3,980.88	1/2	3,701.11	1/2	3,409.60	1/2	3,060.54	1/2	2,700.30	1/2	2,340.09
3/4		3/4		3/4	4,498.43	3/4	4,242.57	3/4	3,975.17	3/4	3,695.16	3/4	3,403.34	3/4	3,053.03	3/4	2,692.80	3/4	2,332.59
11		11		11	4,492.30	11	4,237.15	11	3,969.47	11	3,689.21	11	3,397.07	11	3,045.53	11	2,685.29	11	2,325.08
1/4		1/4		1/4	4,487.08	1/4	4,231.72	1/4	3,963.75	1/4	3,683.23	1/4	3,390.52	1/4	3,038.02	1/4	2,677.78	1/4	2,317.58
1/2		1/2		1/2	4,481.85	1/2	4,226.28	1/2	3,958.02	1/2	3,677.26	1/2	3,383.98	1/2	3,030.52	1/2	2,670.28	1/2	2,310.08
3/4		3/4		3/4	4,476.62	3/4	4,220.84	3/4	3,952.30	3/4	3,671.28	3/4	3,377.43	3/4	3,023.02	3/4	2,662.77	3/4	2,302.58

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-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 28151"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 16'-05"

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	2,295.07	0	1,936.07	0	1,577.59	0	1,217.27	0	863.72	0	511.02	0	150.83	0		0		0	
1/4	2,287.57	1/4	1,928.63	1/4	1,570.08	1/4	1,209.90	1/4	856.35	1/4	503.58	1/4	143.31	1/4		1/4		1/4	
1/2	2,280.06	1/2	1,921.19	1/2	1,562.58	1/2	1,202.53	1/2	848.98	1/2	496.14	1/2	135.79	1/2		1/2		1/2	
3/4	2,272.55	3/4	1,913.75	3/4	1,555.07	3/4	1,195.16	3/4	841.61	3/4	488.70	3/4	128.27	3/4		3/4		3/4	
1	2,265.05	1	1,906.30	1	1,547.56	1	1,187.79	1	834.24	1	481.26	1	120.75	1		1		1	
1/4	2,257.54	1/4	1,898.86	1/4	1,540.06	1/4	1,180.42	1/4	826.87	1/4	473.76	1/4	113.23	1/4		1/4		1/4	
1/2	2,250.03	1/2	1,891.42	1/2	1,532.55	1/2	1,173.05	1/2	819.50	1/2	466.25	1/2	105.71	1/2		1/2		1/2	
3/4	2,242.53	3/4	1,883.98	3/4	1,525.04	3/4	1,165.68	3/4	812.14	3/4	458.74	3/4	98.20	3/4		3/4		3/4	
2	2,235.02	2	1,876.54	2	1,517.54	2	1,158.31	2	804.77	2	451.23	2	90.68	2		2		2	
1/4	2,227.51	1/4	1,869.10	1/4	1,510.03	1/4	1,150.94	1/4	797.42	1/4	443.72	1/4	83.16	1/4		1/4		1/4	
1/2	2,220.01	1/2	1,861.66	1/2	1,502.52	1/2	1,143.57	1/2	790.07	1/2	436.22	1/2	75.64	1/2		1/2		1/2	
3/4	2,212.50	3/4	1,854.22	3/4	1,495.02	3/4	1,136.20	3/4	782.72	3/4	428.71	3/4	68.12	3/4		3/4		3/4	
3	2,204.99	3	1,846.78	3	1,487.51	3	1,128.83	3	775.37	3	421.20	3	60.60	3		3		3	
1/4	2,197.49	1/4	1,839.34	1/4	1,480.00	1/4	1,121.46	1/4	768.03	1/4	413.69	1/4	54.02	1/4		1/4		1/4	
1/2	2,189.98	1/2	1,831.90	1/2	1,472.50	1/2	1,114.08	1/2	760.70	1/2	406.19	1/2	47.44	1/2		1/2		1/2	
3/4	2,182.47	3/4	1,824.46	3/4	1,464.99	3/4	1,106.71	3/4	753.36	3/4	398.68	3/4	40.86	3/4		3/4		3/4	
4	2,174.97	4	1,817.01	4	1,457.48	4	1,099.34	4	746.02	4	391.17	4	34.28	4		4		4	
1/4	2,167.46	1/4	1,809.57	1/4	1,449.98	1/4	1,091.98	1/4	738.68	1/4	383.66	1/4	29.58	1/4		1/4		1/4	
1/2	2,159.95	1/2	1,802.13	1/2	1,442.47	1/2	1,084.62	1/2	731.35	1/2	376.16	1/2	24.88	1/2		1/2		1/2	
3/4	2,152.45	3/4	1,794.69	3/4	1,434.96	3/4	1,077.25	3/4	724.01	3/4	368.65	3/4	20.18	3/4		3/4		3/4	
5	2,144.94	5	1,787.25	5	1,427.46	5	1,069.89	5	716.67	5	361.14	5	15.48	5		5		5	
1/4	2,137.43	1/4	1,779.81	1/4	1,419.95	1/4	1,062.53	1/4	709.33	1/4	353.63	1/4		1/4		1/4		1/4	
1/2	2,129.93	1/2	1,772.37	1/2	1,412.44	1/2	1,055.16	1/2	702.00	1/2	346.12	1/2		1/2		1/2		1/2	
3/4	2,122.42	3/4	1,764.93	3/4	1,404.94	3/4	1,047.80	3/4	694.66	3/4	338.62	3/4		3/4		3/4		3/4	
6	2,114.91	6	1,757.49	6	1,397.43	6	1,040.44	6	687.32	6	331.11	6		6		6		6	
1/4	2,107.41	1/4	1,750.05	1/4	1,389.92	1/4	1,033.07	1/4	679.98	1/4	323.60	1/4		1/4		1/4		1/4	
1/2	2,099.90	1/2	1,742.61	1/2	1,382.42	1/2	1,025.71	1/2	672.64	1/2	316.09	1/2		1/2		1/2		1/2	
3/4	2,092.39	3/4	1,735.16	3/4	1,374.91	3/4	1,018.35	3/4	665.30	3/4	308.59	3/4		3/4		3/4		3/4	
7	2,084.89	7	1,727.72	7	1,367.40	7	1,010.98	7	657.96	7	301.08	7		7		7		7	
1/4	2,077.45	1/4	1,720.22	1/4	1,359.90	1/4	1,003.62	1/4	650.62	1/4	293.57	1/4		1/4		1/4		1/4	
1/2	2,070.00	1/2	1,712.71	1/2	1,352.39	1/2	996.26	1/2	643.29	1/2	286.06	1/2		1/2		1/2		1/2	
3/4	2,062.56	3/4	1,705.20	3/4	1,344.88	3/4	988.89	3/4	635.95	3/4	278.56	3/4		3/4		3/4		3/4	
8	2,055.12	8	1,697.70	8	1,337.37	8	981.53	8	628.61	8	271.05	8		8		8		8	
1/4	2,047.68	1/4	1,690.19	1/4	1,329.87	1/4	974.17	1/4	621.27	1/4	263.54	1/4		1/4		1/4		1/4	
1/2	2,040.24	1/2	1,682.68	1/2	1,322.36	1/2	966.80	1/2	613.93	1/2	256.03	1/2		1/2		1/2		1/2	
3/4	2,032.80	3/4	1,675.18	3/4	1,314.85	3/4	959.44	3/4	606.59	3/4	248.52	3/4		3/4		3/4		3/4	
9	2,025.36	9	1,667.67	9	1,307.35	9	952.08	9	599.25	9	241.02	9		9		9		9	
1/4	2,017.92	1/4	1,660.16	1/4	1,299.84	1/4	944.71	1/4	591.92	1/4	233.51	1/4		1/4		1/4		1/4	
1/2	2,010.48	1/2	1,652.66	1/2	1,292.33	1/2	937.35	1/2	584.58	1/2	226.00	1/2		1/2		1/2		1/2	
3/4	2,003.04	3/4	1,645.15	3/4	1,284.83	3/4	929.99	3/4	577.24	3/4	218.49	3/4		3/4		3/4		3/4	
10	1,995.60	10	1,637.64	10	1,277.32	10	922.62	10	569.90	10	210.99	10		10		10		10	
1/4	1,988.15	1/4	1,630.14	1/4	1,269.81	1/4	915.26	1/4	562.55	1/4	203.47	1/4		1/4		1/4		1/4	
1/2	1,980.71	1/2	1,622.63	1/2	1,262.31	1/2	907.90	1/2	555.20	1/2	195.95	1/2		1/2		1/2		1/2	
3/4	1,973.27	3/4	1,615.12	3/4	1,254.80	3/4	900.53	3/4	547.84	3/4	188.43	3/4		3/4		3/4		3/4	
11	1,965.83	11	1,607.62	11	1,247.29	11	893.17	11	540.49	11	180.91	11		11		11		11	
1/4	1,958.39	1/4	1,600.11	1/4	1,239.79	1/4	885.81	1/4	533.12	1/4	173.39	1/4		1/4		1/4		1/4	
1/2	1,950.95	1/2	1,592.60	1/2	1,232.28	1/2	878.44	1/2	525.76	1/2	165.87	1/2		1/2		1/2		1/2	
3/4	1,943.51	3/4	1,585.10	3/4	1,224.77	3/4	871.08	3/4	518.39	3/4	158.35	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/12/2012 CL
CALCULATED: 10/12/2012 CL
PRINTED: 10/12/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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