



BARGE "KIRBY 28174"

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	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-1/2	- 02-1/2
1 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-5/8	- 02-5/8
2 PORT	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8
2 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8
3 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-1/2	- 02-1/2
3 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-1/2	- 02-1/2

(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 - 00-7/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/8"

LENGTH BETWEEN DRAFT MARKS: 241'-09"

May 18, 2011

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

<http://www.pmacorp.net>



BARGE "KIRBY 28174"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0	0	0	0	0	0	0	0	0	4,525.88	0	4,193.75	0	3,837.72	0	3,471.27	0	3,104.82	0	2,738.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,519.18	1/4	4,186.53	1/4	3,830.09	1/4	3,463.63	1/4	3,097.18	1/4	2,730.73		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,838.04	1/2	4,512.49	1/2	4,179.31	1/2	3,822.45	1/2	3,456.00	1/2	3,089.55	1/2	2,723.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,832.40	3/4	4,505.80	3/4	4,172.10	3/4	3,814.82	3/4	3,448.37	3/4	3,081.91	3/4	2,715.46
1	1	1	1	1	1	1	1	1	4,826.76	1	4,499.11	1	4,164.88	1	3,807.18	1	3,440.73	1	3,074.28	1	2,707.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,819.93	1/4	4,492.38	1/4	4,157.62	1/4	3,799.55	1/4	3,433.10	1/4	3,066.65	1/4	2,700.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,813.09	1/2	4,485.66	1/2	4,150.37	1/2	3,791.91	1/2	3,425.46	1/2	3,059.01	1/2	2,692.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,806.26	3/4	4,478.94	3/4	4,143.11	3/4	3,784.28	3/4	3,417.83	3/4	3,051.38	3/4	2,684.93
2	2	2	2	2	2	2	2	2	4,799.43	2	4,472.21	2	4,135.86	2	3,776.65	2	3,410.19	2	3,043.74	2	2,677.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,791.96	1/4	4,465.45	1/4	4,128.56	1/4	3,769.01	1/4	3,402.56	1/4	3,036.11	1/4	2,669.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,784.49	1/2	4,458.69	1/2	4,121.27	1/2	3,761.38	1/2	3,394.93	1/2	3,028.47	1/2	2,662.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,777.02	3/4	4,451.93	3/4	4,113.98	3/4	3,753.74	3/4	3,387.29	3/4	3,020.84	3/4	2,654.39
3	3	3	3	3	3	3	3	3	4,769.55	3	4,445.17	3	4,106.68	3	3,746.11	3	3,379.66	3	3,013.21	3	2,646.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,762.00	1/4	4,438.38	1/4	4,099.36	1/4	3,738.47	1/4	3,372.02	1/4	3,005.57	1/4	2,639.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,754.45	1/2	4,431.58	1/2	4,092.03	1/2	3,730.84	1/2	3,364.39	1/2	2,997.94	1/2	2,631.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,746.90	3/4	4,424.78	3/4	4,084.70	3/4	3,723.20	3/4	3,356.75	3/4	2,990.30	3/4	2,623.85
4	4	4	4	4	4	4	4	4	4,739.35	4	4,417.99	4	4,077.37	4	3,715.57	4	3,349.12	4	2,982.67	4	2,616.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,732.08	1/4	4,411.15	1/4	4,070.01	1/4	3,707.94	1/4	3,341.48	1/4	2,975.03	1/4	2,608.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,724.81	1/2	4,404.32	1/2	4,062.65	1/2	3,700.30	1/2	3,333.85	1/2	2,967.40	1/2	2,600.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,717.54	3/4	4,397.48	3/4	4,055.29	3/4	3,692.67	3/4	3,326.22	3/4	2,959.76	3/4	2,593.31
5	5	5	5	5	5	5	5	5	4,710.27	5	4,390.65	5	4,047.93	5	3,685.03	5	3,318.58	5	2,952.13	5	2,585.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,703.55	1/4	4,383.78	1/4	4,040.53	1/4	3,677.40	1/4	3,310.95	1/4	2,944.50	1/4	2,578.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,696.82	1/2	4,376.91	1/2	4,033.14	1/2	3,669.76	1/2	3,303.31	1/2	2,936.86	1/2	2,570.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,690.10	3/4	4,370.04	3/4	4,025.74	3/4	3,662.13	3/4	3,295.68	3/4	2,929.23	3/4	2,562.78
6	6	6	6	6	6	6	6	6	4,683.38	6	4,363.16	6	4,018.34	6	3,654.49	6	3,288.04	6	2,921.59	6	2,555.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,676.91	1/4	4,356.26	1/4	4,010.91	1/4	3,646.86	1/4	3,280.41	1/4	2,913.96	1/4	2,547.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,670.44	1/2	4,349.35	1/2	4,003.48	1/2	3,639.23	1/2	3,272.77	1/2	2,906.32	1/2	2,539.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,663.98	3/4	4,342.44	3/4	3,996.04	3/4	3,631.59	3/4	3,265.14	3/4	2,898.69	3/4	2,532.24
7	7	7	7	7	7	7	7	7	4,657.51	7	4,335.53	7	3,988.61	7	3,623.96	7	3,257.51	7	2,891.05	7	2,524.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,651.00	1/4	4,328.56	1/4	3,981.14	1/4	3,616.32	1/4	3,249.87	1/4	2,883.42	1/4	2,516.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,644.49	1/2	4,321.59	1/2	3,973.67	1/2	3,608.69	1/2	3,242.24	1/2	2,875.79	1/2	2,509.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,637.99	3/4	4,314.63	3/4	3,966.20	3/4	3,601.05	3/4	3,234.60	3/4	2,868.15	3/4	2,501.70
8	8	8	8	8	8	8	8	8	4,631.48	8	4,307.66	8	3,958.73	8	3,593.42	8	3,226.97	8	2,860.52	8	2,494.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,624.93	1/4	4,300.61	1/4	3,951.22	1/4	3,585.79	1/4	3,219.33	1/4	2,852.88	1/4	2,486.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,618.39	1/2	4,293.56	1/2	3,943.71	1/2	3,578.15	1/2	3,211.70	1/2	2,845.25	1/2	2,478.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,611.85	3/4	4,286.52	3/4	3,936.20	3/4	3,570.52	3/4	3,204.07	3/4	2,837.61	3/4	2,471.16
9	9	9	9	9	9	9	9	9	4,605.30	9	4,279.47	9	3,928.70	9	3,562.88	9	3,196.43	9	2,829.98	9	2,463.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,598.72	1/4	4,272.36	1/4	3,921.15	1/4	3,555.25	1/4	3,188.80	1/4	2,822.35	1/4	2,455.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,592.14	1/2	4,265.26	1/2	3,913.60	1/2	3,547.61	1/2	3,181.16	1/2	2,814.71	1/2	2,448.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,585.56	3/4	4,258.15	3/4	3,906.06	3/4	3,539.98	3/4	3,173.53	3/4	2,807.08	3/4	2,440.63
10	10	10	10	10	10	10	10	10	4,578.98	10	4,251.05	10	3,898.51	10	3,532.34	10	3,165.89	10	2,799.44	10	2,432.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,572.36	1/4	4,243.90	1/4	3,890.93	1/4	3,524.71	1/4	3,158.26	1/4	2,791.81	1/4	2,425.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,565.74	1/2	4,236.76	1/2	3,883.35	1/2	3,517.08	1/2	3,150.62	1/2	2,784.17	1/2	2,417.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,559.12	3/4	4,229.62	3/4	3,875.76	3/4	3,509.44	3/4	3,142.99	3/4	2,776.54	3/4	2,410.09
11	11	11	11	11	11	11	11	11	4,552.50	11	4,222.47	11	3,868.18	11	3,501.81	11	3,135.36	11	2,768.90	11	2,402.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,545.84	1/4	4,215.29	1/4	3,860.57	1/4	3,494.17	1/4	3,127.72	1/4	2,761.27	1/4	2,394.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,539.19	1/2	4,208.11	1/2	3,852.95	1/2	3,486.54	1/2	3,120.09	1/2	2,753.64	1/2	2,387.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,532.53	3/4	4,200.93	3/4	3,845.34	3/4	3,478.90	3/4	3,112.45	3/4	2,746.00	3/4	2,379.55

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 52'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28174"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

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	2,371.92	0	2,005.46	0	1,639.00	0	1,273.19	0	908.77	0	542.74	0	194.99	0		0			
1/4	2,364.28	1/4	1,997.83	1/4	1,631.37	1/4	1,265.55	1/4	901.20	1/4	535.10	1/4	188.29	1/4		1/4			
1/2	2,356.65	1/2	1,990.20	1/2	1,623.73	1/2	1,257.92	1/2	893.62	1/2	527.47	1/2	181.59	1/2		1/2			
3/4	2,349.01	3/4	1,982.57	3/4	1,616.10	3/4	1,250.28	3/4	886.04	3/4	519.83	3/4	174.89	3/4		3/4			
1	2,341.38	1	1,974.93	1	1,608.46	1	1,242.65	1	878.46	1	512.20	1	168.19	1		1			
1/4	2,333.74	1/4	1,967.30	1/4	1,600.83	1/4	1,235.01	1/4	870.86	1/4	504.58	1/4	161.57	1/4		1/4			
1/2	2,326.11	1/2	1,959.66	1/2	1,593.19	1/2	1,227.37	1/2	863.27	1/2	496.97	1/2	154.96	1/2		1/2			
3/4	2,318.47	3/4	1,952.03	3/4	1,585.56	3/4	1,219.74	3/4	855.68	3/4	489.35	3/4	148.35	3/4		3/4			
2	2,310.84	2	1,944.39	2	1,577.92	2	1,212.10	2	848.08	2	481.74	2	141.73	2		2			
1/4	2,303.21	1/4	1,936.76	1/4	1,570.29	1/4	1,204.48	1/4	840.46	1/4	474.19	1/4	135.21	1/4		1/4			
1/2	2,295.57	1/2	1,929.12	1/2	1,562.65	1/2	1,196.86	1/2	832.84	1/2	466.64	1/2	128.69	1/2		1/2			
3/4	2,287.94	3/4	1,921.49	3/4	1,555.02	3/4	1,189.24	3/4	825.22	3/4	459.09	3/4	122.16	3/4		3/4			
3	2,280.30	3	1,913.85	3	1,547.38	3	1,181.62	3	817.60	3	451.54	3	115.64	3		3			
1/4	2,272.67	1/4	1,906.22	1/4	1,539.75	1/4	1,174.03	1/4	809.97	1/4	444.07	1/4	109.22	1/4		1/4			
1/2	2,265.03	1/2	1,898.58	1/2	1,532.11	1/2	1,166.43	1/2	802.33	1/2	436.60	1/2	102.79	1/2		1/2			
3/4	2,257.40	3/4	1,890.95	3/4	1,524.48	3/4	1,158.84	3/4	794.70	3/4	429.14	3/4	96.37	3/4		3/4			
4	2,249.77	4	1,883.31	4	1,516.84	4	1,151.25	4	787.06	4	421.67	4	89.94	4		4			
1/4	2,242.13	1/4	1,875.68	1/4	1,509.21	1/4	1,143.67	1/4	779.43	1/4	414.29	1/4	83.62	1/4		1/4			
1/2	2,234.50	1/2	1,868.04	1/2	1,501.57	1/2	1,136.09	1/2	771.79	1/2	406.91	1/2	77.30	1/2		1/2			
3/4	2,226.86	3/4	1,860.41	3/4	1,493.94	3/4	1,128.51	3/4	764.16	3/4	399.53	3/4	70.98	3/4		3/4			
5	2,219.23	5	1,852.78	5	1,486.30	5	1,120.93	5	756.52	5	392.15	5	64.66	5		5			
1/4	2,211.59	1/4	1,845.14	1/4	1,478.68	1/4	1,113.35	1/4	748.89	1/4	384.85	1/4	58.46	1/4		1/4			
1/2	2,203.96	1/2	1,837.51	1/2	1,471.06	1/2	1,105.78	1/2	741.25	1/2	377.56	1/2	52.26	1/2		1/2			
3/4	2,196.32	3/4	1,829.87	3/4	1,463.44	3/4	1,098.20	3/4	733.62	3/4	370.26	3/4	46.05	3/4		3/4			
6	2,188.69	6	1,822.24	6	1,455.82	6	1,090.62	6	725.98	6	362.97	6	39.85	6		6			
1/4	2,181.06	1/4	1,814.60	1/4	1,448.21	1/4	1,083.04	1/4	718.35	1/4	355.75	1/4	34.35	1/4		1/4			
1/2	2,173.42	1/2	1,806.97	1/2	1,440.61	1/2	1,075.47	1/2	710.71	1/2	348.54	1/2	28.84	1/2		1/2			
3/4	2,165.79	3/4	1,799.33	3/4	1,433.00	3/4	1,067.89	3/4	703.08	3/4	341.33	3/4	23.33	3/4		3/4			
7	2,158.15	7	1,791.70	7	1,425.39	7	1,060.31	7	695.44	7	334.12	7	17.83	7		7			
1/4	2,150.52	1/4	1,784.06	1/4	1,417.79	1/4	1,052.74	1/4	687.81	1/4	327.00	1/4	14.27	1/4		1/4			
1/2	2,142.88	1/2	1,776.43	1/2	1,410.18	1/2	1,045.16	1/2	680.17	1/2	319.87	1/2	10.71	1/2		1/2			
3/4	2,135.25	3/4	1,768.79	3/4	1,402.57	3/4	1,037.58	3/4	672.54	3/4	312.74	3/4	7.15	3/4		3/4			
8	2,127.61	8	1,761.16	8	1,394.96	8	1,030.01	8	664.90	8	305.62	8	3.59	8		8			
1/4	2,119.98	1/4	1,753.52	1/4	1,387.36	1/4	1,022.43	1/4	657.27	1/4	298.58	1/4		1/4		1/4			
1/2	2,112.35	1/2	1,745.89	1/2	1,379.75	1/2	1,014.85	1/2	649.63	1/2	291.53	1/2		1/2		1/2			
3/4	2,104.71	3/4	1,738.25	3/4	1,372.14	3/4	1,007.27	3/4	642.00	3/4	284.49	3/4		3/4		3/4			
9	2,097.08	9	1,730.62	9	1,364.53	9	999.70	9	634.36	9	277.45	9		9		9			
1/4	2,089.44	1/4	1,722.98	1/4	1,356.93	1/4	992.12	1/4	626.73	1/4	270.50	1/4		1/4		1/4			
1/2	2,081.81	1/2	1,715.35	1/2	1,349.32	1/2	984.54	1/2	619.09	1/2	263.54	1/2		1/2		1/2			
3/4	2,074.17	3/4	1,707.71	3/4	1,341.71	3/4	976.97	3/4	611.46	3/4	256.58	3/4		3/4		3/4			
10	2,066.54	10	1,700.08	10	1,334.10	10	969.39	10	603.82	10	249.63	10		10		10			
1/4	2,058.91	1/4	1,692.44	1/4	1,326.50	1/4	961.81	1/4	596.19	1/4	242.75	1/4		1/4		1/4			
1/2	2,051.27	1/2	1,684.81	1/2	1,318.89	1/2	954.24	1/2	588.55	1/2	235.88	1/2		1/2		1/2			
3/4	2,043.64	3/4	1,677.17	3/4	1,311.28	3/4	946.66	3/4	580.91	3/4	229.01	3/4		3/4		3/4			
11	2,036.00	11	1,669.54	11	1,303.67	11	939.08	11	573.28	11	222.14	11		11		11			
1/4	2,028.37	1/4	1,661.91	1/4	1,296.05	1/4	931.50	1/4	565.64	1/4	215.35	1/4		1/4		1/4			
1/2	2,020.73	1/2	1,654.27	1/2	1,288.43	1/2	923.93	1/2	558.01	1/2	208.57	1/2		1/2		1/2			
3/4	2,013.10	3/4	1,646.64	3/4	1,280.81	3/4	916.35	3/4	550.37	3/4	201.78	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/16/2011 CL - SW
CALCULATED: 05/18/2011 CL
PRINTED: 05/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

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



BARGE "KIRBY 28174"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,520.03	0	4,187.42	0	3,831.02	0	3,464.61	0	3,098.21	0	2,731.80
1/4		1/4		1/4		1/4		1/4	4,513.34	1/4	4,180.21	1/4	3,823.39	1/4	3,456.98	1/4	3,090.57	1/4	2,724.16
1/2		1/2		1/2		1/2		1/2	4,506.65	1/2	4,172.99	1/2	3,815.76	1/2	3,449.35	1/2	3,082.94	1/2	2,716.53
3/4		3/4		3/4		3/4		3/4	4,827.57	3/4	4,499.96	3/4	4,165.77	3/4	3,808.12	3/4	3,441.71	3/4	3,075.30
1		1		1		1		1	4,820.73	1	4,493.24	1	4,158.52	1	3,800.49	1	3,434.08	1	3,067.67
1/4		1/4		1/4		1/4		1/4	4,813.90	1/4	4,486.51	1/4	4,151.26	1/4	3,792.85	1/4	3,426.45	1/4	3,060.04
1/2		1/2		1/2		1/2		1/2	4,807.07	1/2	4,479.79	1/2	4,144.01	1/2	3,785.22	1/2	3,418.81	1/2	3,052.40
3/4		3/4		3/4		3/4		3/4	4,800.24	3/4	4,473.07	3/4	4,136.75	3/4	3,777.59	3/4	3,411.18	3/4	3,044.77
2		2		2		2		2	4,792.77	2	4,466.31	2	4,129.46	2	3,769.95	2	3,403.55	2	3,037.14
1/4		1/4		1/4		1/4		1/4	4,785.30	1/4	4,459.55	1/4	4,122.17	1/4	3,762.32	1/4	3,395.91	1/4	3,029.50
1/2		1/2		1/2		1/2		1/2	4,777.83	1/2	4,452.79	1/2	4,114.88	1/2	3,754.69	1/2	3,388.28	1/2	3,021.87
3/4		3/4		3/4		3/4		3/4	4,770.36	3/4	4,446.03	3/4	4,107.59	3/4	3,747.05	3/4	3,380.64	3/4	3,014.24
3		3		3		3		3	4,762.81	3	4,439.24	3	4,100.26	3	3,739.42	3	3,373.01	3	3,006.60
1/4		1/4		1/4		1/4		1/4	4,755.26	1/4	4,432.44	1/4	4,092.93	1/4	3,731.79	1/4	3,365.38	1/4	2,998.97
1/2		1/2		1/2		1/2		1/2	4,747.72	1/2	4,425.65	1/2	4,085.60	1/2	3,724.15	1/2	3,357.74	1/2	2,991.34
3/4		3/4		3/4		3/4		3/4	4,740.17	3/4	4,418.85	3/4	4,078.28	3/4	3,716.52	3/4	3,350.11	3/4	2,983.70
4		4		4		4		4	4,732.90	4	4,412.02	4	4,070.92	4	3,708.89	4	3,342.48	4	2,976.07
1/4		1/4		1/4		1/4		1/4	4,725.63	1/4	4,405.18	1/4	4,063.56	1/4	3,701.25	1/4	3,334.84	1/4	2,968.44
1/2		1/2		1/2		1/2		1/2	4,718.36	1/2	4,398.35	1/2	4,056.20	1/2	3,693.62	1/2	3,327.21	1/2	2,960.80
3/4		3/4		3/4		3/4		3/4	4,711.09	3/4	4,391.52	3/4	4,048.84	3/4	3,685.98	3/4	3,319.58	3/4	2,953.17
5		5		5		5		5	4,704.37	5	4,384.65	5	4,041.44	5	3,678.35	5	3,311.94	5	2,945.54
1/4		1/4		1/4		1/4		1/4	4,697.65	1/4	4,377.78	1/4	4,034.05	1/4	3,670.72	1/4	3,304.31	1/4	2,937.90
1/2		1/2		1/2		1/2		1/2	4,690.93	1/2	4,370.91	1/2	4,026.65	1/2	3,663.08	1/2	3,296.68	1/2	2,930.27
3/4		3/4		3/4		3/4		3/4	4,684.21	3/4	4,364.03	3/4	4,019.26	3/4	3,655.45	3/4	3,289.04	3/4	2,922.63
6		6		6		6		6	4,677.74	6	4,357.13	6	4,011.83	6	3,647.82	6	3,281.41	6	2,915.00
1/4		1/4		1/4		1/4		1/4	4,671.27	1/4	4,350.22	1/4	4,004.39	1/4	3,640.18	1/4	3,273.78	1/4	2,907.37
1/2		1/2		1/2		1/2		1/2	4,664.80	1/2	4,343.31	1/2	3,996.96	1/2	3,632.55	1/2	3,266.14	1/2	2,899.73
3/4		3/4		3/4		3/4		3/4	4,658.34	3/4	4,336.40	3/4	3,989.53	3/4	3,624.92	3/4	3,258.51	3/4	2,892.10
7		7		7		7		7	4,651.83	7	4,329.44	7	3,982.06	7	3,617.28	7	3,250.88	7	2,884.47
1/4		1/4		1/4		1/4		1/4	4,645.32	1/4	4,322.47	1/4	3,974.59	1/4	3,609.65	1/4	3,243.24	1/4	2,876.83
1/2		1/2		1/2		1/2		1/2	4,638.82	1/2	4,315.50	1/2	3,967.12	1/2	3,602.02	1/2	3,235.61	1/2	2,869.20
3/4		3/4		3/4		3/4		3/4	4,632.31	3/4	4,308.54	3/4	3,959.65	3/4	3,594.38	3/4	3,227.97	3/4	2,861.57
8		8		8		8		8	4,625.77	8	4,301.49	8	3,952.14	8	3,586.75	8	3,220.34	8	2,853.93
1/4		1/4		1/4		1/4		1/4	4,619.23	1/4	4,294.44	1/4	3,944.63	1/4	3,579.12	1/4	3,212.71	1/4	2,846.30
1/2		1/2		1/2		1/2		1/2	4,612.68	1/2	4,287.40	1/2	3,937.13	1/2	3,571.48	1/2	3,205.07	1/2	2,838.67
3/4		3/4		3/4		3/4		3/4	4,606.14	3/4	4,280.35	3/4	3,929.62	3/4	3,563.85	3/4	3,197.44	3/4	2,831.03
9		9		9		9		9	4,599.56	9	4,273.24	9	3,922.08	9	3,556.22	9	3,189.81	9	2,823.40
1/4		1/4		1/4		1/4		1/4	4,592.98	1/4	4,266.14	1/4	3,914.53	1/4	3,548.58	1/4	3,182.17	1/4	2,815.77
1/2		1/2		1/2		1/2		1/2	4,586.40	1/2	4,259.04	1/2	3,906.99	1/2	3,540.95	1/2	3,174.54	1/2	2,808.13
3/4		3/4		3/4		3/4		3/4	4,579.82	3/4	4,251.93	3/4	3,899.44	3/4	3,533.31	3/4	3,166.91	3/4	2,800.50
10		10		10		10		10	4,573.20	10	4,244.79	10	3,891.86	10	3,525.68	10	3,159.27	10	2,792.87
1/4		1/4		1/4		1/4		1/4	4,566.58	1/4	4,237.65	1/4	3,884.28	1/4	3,518.05	1/4	3,151.64	1/4	2,785.23
1/2		1/2		1/2		1/2		1/2	4,559.96	1/2	4,230.50	1/2	3,876.70	1/2	3,510.41	1/2	3,144.01	1/2	2,777.60
3/4		3/4		3/4		3/4		3/4	4,553.35	3/4	4,223.36	3/4	3,869.11	3/4	3,502.78	3/4	3,136.37	3/4	2,769.96
11		11		11		11		11	4,546.69	11	4,216.18	11	3,861.50	11	3,495.15	11	3,128.74	11	2,762.33
1/4		1/4		1/4		1/4		1/4	4,540.03	1/4	4,209.00	1/4	3,853.89	1/4	3,487.51	1/4	3,121.11	1/4	2,754.70
1/2		1/2		1/2		1/2		1/2	4,533.38	1/2	4,201.82	1/2	3,846.27	1/2	3,479.88	1/2	3,113.47	1/2	2,747.06
3/4		3/4		3/4		3/4		3/4	4,526.72	3/4	4,194.64	3/4	3,838.66	3/4	3,472.25	3/4	3,105.84	3/4	2,739.43

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 52'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28174"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U. S. GALLONS

GAUGE HEIGHT 16'-07 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	2,365.39	0	1,998.98	0	1,632.56	0	1,266.79	0	901.34	0	535.03	0	188.26	0		0			
1/4	2,357.76	1/4	1,991.35	1/4	1,624.93	1/4	1,259.16	1/4	893.74	1/4	527.40	1/4	181.56	1/4		1/4			
1/2	2,350.12	1/2	1,983.72	1/2	1,617.29	1/2	1,251.52	1/2	886.13	1/2	519.76	1/2	174.86	1/2		1/2			
3/4	2,342.49	3/4	1,976.09	3/4	1,609.66	3/4	1,243.89	3/4	878.52	3/4	512.13	3/4	168.16	3/4		3/4			
1	2,334.86	1	1,968.45	1	1,602.03	1	1,236.25	1	870.90	1	504.51	1	161.55	1		1			
1/4	2,327.22	1/4	1,960.82	1/4	1,594.39	1/4	1,228.62	1/4	863.28	1/4	496.90	1/4	154.94	1/4		1/4			
1/2	2,319.59	1/2	1,953.18	1/2	1,586.76	1/2	1,220.98	1/2	855.66	1/2	489.29	1/2	148.32	1/2		1/2			
3/4	2,311.95	3/4	1,945.55	3/4	1,579.12	3/4	1,213.35	3/4	848.04	3/4	481.67	3/4	141.71	3/4		3/4			
2	2,304.32	2	1,937.92	2	1,571.49	2	1,205.71	2	840.40	2	474.12	2	135.19	2		2			
1/4	2,296.69	1/4	1,930.28	1/4	1,563.86	1/4	1,198.08	1/4	832.77	1/4	466.57	1/4	128.67	1/4		1/4			
1/2	2,289.05	1/2	1,922.65	1/2	1,556.22	1/2	1,190.45	1/2	825.13	1/2	459.02	1/2	122.15	1/2		1/2			
3/4	2,281.42	3/4	1,915.02	3/4	1,548.59	3/4	1,182.81	3/4	817.50	3/4	451.47	3/4	115.62	3/4		3/4			
3	2,273.79	3	1,907.38	3	1,540.95	3	1,175.19	3	809.87	3	444.01	3	109.20	3		3			
1/4	2,266.15	1/4	1,899.75	1/4	1,533.32	1/4	1,167.57	1/4	802.23	1/4	436.54	1/4	102.78	1/4		1/4			
1/2	2,258.52	1/2	1,892.11	1/2	1,525.69	1/2	1,159.95	1/2	794.60	1/2	429.08	1/2	96.35	1/2		1/2			
3/4	2,250.89	3/4	1,884.48	3/4	1,518.05	3/4	1,152.32	3/4	786.96	3/4	421.62	3/4	89.93	3/4		3/4			
4	2,243.25	4	1,876.85	4	1,510.42	4	1,144.72	4	779.33	4	414.24	4	83.61	4		4			
1/4	2,235.62	1/4	1,869.21	1/4	1,502.78	1/4	1,137.11	1/4	771.69	1/4	406.86	1/4	77.29	1/4		1/4			
1/2	2,227.99	1/2	1,861.58	1/2	1,495.15	1/2	1,129.50	1/2	764.06	1/2	399.48	1/2	70.97	1/2		1/2			
3/4	2,220.35	3/4	1,853.94	3/4	1,487.52	3/4	1,121.90	3/4	756.43	3/4	392.10	3/4	64.65	3/4		3/4			
5	2,212.72	5	1,846.31	5	1,479.90	5	1,114.29	5	748.79	5	384.80	5	58.45	5		5			
1/4	2,205.09	1/4	1,838.68	1/4	1,472.28	1/4	1,106.68	1/4	741.16	1/4	377.51	1/4	52.25	1/4		1/4			
1/2	2,197.45	1/2	1,831.04	1/2	1,464.66	1/2	1,099.08	1/2	733.52	1/2	370.21	1/2	46.05	1/2		1/2			
3/4	2,189.82	3/4	1,823.41	3/4	1,457.04	3/4	1,091.47	3/4	725.89	3/4	362.92	3/4	39.84	3/4		3/4			
6	2,182.19	6	1,815.77	6	1,449.43	6	1,083.87	6	718.26	6	355.71	6	34.34	6		6			
1/4	2,174.55	1/4	1,808.14	1/4	1,441.82	1/4	1,076.26	1/4	710.62	1/4	348.50	1/4	28.83	1/4		1/4			
1/2	2,166.92	1/2	1,800.51	1/2	1,434.22	1/2	1,068.66	1/2	702.99	1/2	341.29	1/2	23.33	1/2		1/2			
3/4	2,159.28	3/4	1,792.87	3/4	1,426.61	3/4	1,061.05	3/4	695.35	3/4	334.07	3/4	17.83	3/4		3/4			
7	2,151.65	7	1,785.24	7	1,419.01	7	1,053.45	7	687.72	7	326.95	7	14.27	7		7			
1/4	2,144.02	1/4	1,777.61	1/4	1,411.40	1/4	1,045.84	1/4	680.08	1/4	319.82	1/4	10.71	1/4		1/4			
1/2	2,136.38	1/2	1,769.97	1/2	1,403.79	1/2	1,038.24	1/2	672.45	1/2	312.70	1/2	7.15	1/2		1/2			
3/4	2,128.75	3/4	1,762.34	3/4	1,396.19	3/4	1,030.63	3/4	664.82	3/4	305.57	3/4	3.59	3/4		3/4			
8	2,121.12	8	1,754.70	8	1,388.58	8	1,023.03	8	657.18	8	298.53	8		8		8			
1/4	2,113.48	1/4	1,747.07	1/4	1,380.97	1/4	1,015.42	1/4	649.55	1/4	291.49	1/4		1/4		1/4			
1/2	2,105.85	1/2	1,739.44	1/2	1,373.37	1/2	1,007.82	1/2	641.91	1/2	284.45	1/2		1/2		1/2			
3/4	2,098.22	3/4	1,731.80	3/4	1,365.76	3/4	1,000.21	3/4	634.28	3/4	277.41	3/4		3/4		3/4			
9	2,090.58	9	1,724.17	9	1,358.15	9	992.61	9	626.64	9	270.46	9		9		9			
1/4	2,082.95	1/4	1,716.53	1/4	1,350.55	1/4	985.00	1/4	619.01	1/4	263.50	1/4		1/4		1/4			
1/2	2,075.32	1/2	1,708.90	1/2	1,342.94	1/2	977.40	1/2	611.38	1/2	256.55	1/2		1/2		1/2			
3/4	2,067.68	3/4	1,701.27	3/4	1,335.33	3/4	969.79	3/4	603.74	3/4	249.59	3/4		3/4		3/4			
10	2,060.05	10	1,693.63	10	1,327.73	10	962.19	10	596.11	10	242.72	10		10		10			
1/4	2,052.42	1/4	1,686.00	1/4	1,320.12	1/4	954.58	1/4	588.47	1/4	235.85	1/4		1/4		1/4			
1/2	2,044.78	1/2	1,678.36	1/2	1,312.51	1/2	946.98	1/2	580.84	1/2	228.98	1/2		1/2		1/2			
3/4	2,037.15	3/4	1,670.73	3/4	1,304.91	3/4	939.37	3/4	573.20	3/4	222.11	3/4		3/4		3/4			
11	2,029.52	11	1,663.10	11	1,297.29	11	931.77	11	565.57	11	215.32	11		11		11			
1/4	2,021.88	1/4	1,655.46	1/4	1,289.67	1/4	924.16	1/4	557.93	1/4	208.54	1/4		1/4		1/4			
1/2	2,014.25	1/2	1,647.83	1/2	1,282.05	1/2	916.55	1/2	550.30	1/2	201.75	1/2		1/2		1/2			
3/4	2,006.61	3/4	1,640.19	3/4	1,274.42	3/4	908.95	3/4	542.66	3/4	194.96	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/16/2011 CL - SW
CALCULATED: 05/18/2011 CL
PRINTED: 05/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

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



BARGE "KIRBY 28174"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,849.03	0	4,531.33	0	4,200.45	0	3,846.05	0	3,482.13	0	3,118.19	0	2,754.26
1/4		1/4		1/4		1/4	4,823.07	1/4	4,498.01	1/4	4,164.50	1/4	3,808.15	1/4	3,444.22	1/4	3,080.29	1/4	2,716.35
1/2		1/2		1/2		1/2	4,816.28	1/2	4,491.33	1/2	4,157.29	1/2	3,800.57	1/2	3,436.63	1/2	3,072.70	1/2	2,708.77
3/4		3/4		3/4		3/4	4,808.86	3/4	4,484.62	3/4	4,150.05	3/4	3,792.98	3/4	3,429.05	3/4	3,065.12	3/4	2,701.19
1		1		1		1	4,829.86	1	4,504.69	1	4,171.71	1	3,815.73	1	3,451.80	1	3,087.87	1	2,723.94
1/4		1/4		1/4		1/4	4,823.07	1/4	4,498.01	1/4	4,164.50	1/4	3,808.15	1/4	3,444.22	1/4	3,080.29	1/4	2,716.35
1/2		1/2		1/2		1/2	4,816.28	1/2	4,491.33	1/2	4,157.29	1/2	3,800.57	1/2	3,436.63	1/2	3,072.70	1/2	2,708.77
3/4		3/4		3/4		3/4	4,808.86	3/4	4,484.62	3/4	4,150.05	3/4	3,792.98	3/4	3,429.05	3/4	3,065.12	3/4	2,701.19
2		2		2		2	4,801.45	2	4,477.91	2	4,142.81	2	3,785.40	2	3,421.47	2	3,057.54	2	2,693.61
1/4		1/4		1/4		1/4	4,794.03	1/4	4,471.19	1/4	4,135.57	1/4	3,777.82	1/4	3,413.89	1/4	3,049.96	1/4	2,686.03
1/2		1/2		1/2		1/2	4,786.61	1/2	4,464.48	1/2	4,128.32	1/2	3,770.24	1/2	3,406.31	1/2	3,042.38	1/2	2,678.44
3/4		3/4		3/4		3/4	4,779.11	3/4	4,457.73	3/4	4,121.05	3/4	3,762.66	3/4	3,398.72	3/4	3,034.79	3/4	2,670.86
3		3		3		3	4,771.61	3	4,450.98	3	4,113.77	3	3,755.07	3	3,391.14	3	3,027.21	3	2,663.28
1/4		1/4		1/4		1/4	4,764.12	1/4	4,444.23	1/4	4,106.49	1/4	3,747.49	1/4	3,383.56	1/4	3,019.63	1/4	2,655.70
1/2		1/2		1/2		1/2	4,756.62	1/2	4,437.48	1/2	4,099.21	1/2	3,739.91	1/2	3,375.98	1/2	3,012.05	1/2	2,648.12
3/4		3/4		3/4		3/4	4,749.40	3/4	4,430.70	3/4	4,091.90	3/4	3,732.33	3/4	3,368.40	3/4	3,004.47	3/4	2,640.53
4		4		4		4	4,742.18	4	4,423.91	4	4,084.59	4	3,724.75	4	3,360.82	4	2,996.88	4	2,632.95
1/4		1/4		1/4		1/4	4,734.96	1/4	4,417.12	1/4	4,077.28	1/4	3,717.16	1/4	3,353.23	1/4	2,989.30	1/4	2,625.37
1/2		1/2		1/2		1/2	4,727.74	1/2	4,410.34	1/2	4,069.97	1/2	3,709.58	1/2	3,345.65	1/2	2,981.72	1/2	2,617.79
3/4		3/4		3/4		3/4	4,721.07	3/4	4,403.51	3/4	4,062.63	3/4	3,702.00	3/4	3,338.07	3/4	2,974.14	3/4	2,610.21
5		5		5		5	4,714.39	5	4,396.69	5	4,055.28	5	3,694.42	5	3,330.49	5	2,966.56	5	2,602.63
1/4		1/4		1/4		1/4	4,707.72	1/4	4,389.86	1/4	4,047.94	1/4	3,686.84	1/4	3,322.91	1/4	2,958.97	1/4	2,595.04
1/2		1/2		1/2		1/2	4,701.04	1/2	4,383.04	1/2	4,040.59	1/2	3,679.26	1/2	3,315.32	1/2	2,951.39	1/2	2,587.46
3/4		3/4		3/4		3/4	4,694.62	3/4	4,376.18	3/4	4,033.21	3/4	3,671.67	3/4	3,307.74	3/4	2,943.81	3/4	2,579.88
6		6		6		6	4,688.19	6	4,369.32	6	4,025.83	6	3,664.09	6	3,300.16	6	2,936.23	6	2,572.30
1/4		1/4		1/4		1/4	4,681.77	1/4	4,362.46	1/4	4,018.44	1/4	3,656.51	1/4	3,292.58	1/4	2,928.65	1/4	2,564.72
1/2		1/2		1/2		1/2	4,675.35	1/2	4,355.60	1/2	4,011.06	1/2	3,648.93	1/2	3,285.00	1/2	2,921.07	1/2	2,557.13
3/4		3/4		3/4		3/4	4,668.88	3/4	4,348.68	3/4	4,003.64	3/4	3,641.35	3/4	3,277.41	3/4	2,913.48	3/4	2,549.55
7		7		7		7	4,662.42	7	4,341.76	7	3,996.22	7	3,633.76	7	3,269.83	7	2,905.90	7	2,541.97
1/4		1/4		1/4		1/4	4,655.96	1/4	4,334.84	1/4	3,988.80	1/4	3,626.18	1/4	3,262.25	1/4	2,898.32	1/4	2,534.39
1/2		1/2		1/2		1/2	4,649.50	1/2	4,327.92	1/2	3,981.38	1/2	3,618.60	1/2	3,254.67	1/2	2,890.74	1/2	2,526.81
3/4		3/4		3/4		3/4	4,643.00	3/4	4,320.92	3/4	3,973.93	3/4	3,611.02	3/4	3,247.09	3/4	2,883.16	3/4	2,519.22
8		8		8		8	4,636.50	8	4,313.92	8	3,966.47	8	3,603.44	8	3,239.51	8	2,875.57	8	2,511.64
1/4		1/4		1/4		1/4	4,630.00	1/4	4,306.92	1/4	3,959.02	1/4	3,595.85	1/4	3,231.92	1/4	2,867.99	1/4	2,504.06
1/2		1/2		1/2		1/2	4,623.50	1/2	4,299.92	1/2	3,951.56	1/2	3,588.27	1/2	3,224.34	1/2	2,860.41	1/2	2,496.48
3/4		3/4		3/4		3/4	4,616.97	3/4	4,292.87	3/4	3,944.07	3/4	3,580.69	3/4	3,216.76	3/4	2,852.83	3/4	2,488.90
9		9		9		9	4,610.43	9	4,285.81	9	3,936.57	9	3,573.11	9	3,209.18	9	2,845.25	9	2,481.32
1/4		1/4		1/4		1/4	4,603.89	1/4	4,278.75	1/4	3,929.08	1/4	3,565.53	1/4	3,201.60	1/4	2,837.66	1/4	2,473.73
1/2		1/2		1/2		1/2	4,597.36	1/2	4,271.69	1/2	3,921.58	1/2	3,557.94	1/2	3,194.01	1/2	2,830.08	1/2	2,466.15
3/4		3/4		3/4		3/4	4,590.79	3/4	4,264.60	3/4	3,914.05	3/4	3,550.36	3/4	3,186.43	3/4	2,822.50	3/4	2,458.57
10		10		10		10	4,584.21	10	4,257.51	10	3,906.52	10	3,542.78	10	3,178.85	10	2,814.92	10	2,450.99
1/4		1/4		1/4		1/4	4,577.64	1/4	4,250.41	1/4	3,898.99	1/4	3,535.20	1/4	3,171.27	1/4	2,807.34	1/4	2,443.41
1/2		1/2		1/2		1/2	4,571.07	1/2	4,243.32	1/2	3,891.46	1/2	3,527.62	1/2	3,163.69	1/2	2,799.75	1/2	2,435.82
3/4		3/4		3/4		3/4	4,564.46	3/4	4,236.19	3/4	3,883.90	3/4	3,520.04	3/4	3,156.10	3/4	2,792.17	3/4	2,428.24
11		11		11		11	4,557.85	11	4,229.05	11	3,876.34	11	3,512.45	11	3,148.52	11	2,784.59	11	2,420.66
1/4		1/4		1/4		1/4	4,551.24	1/4	4,221.92	1/4	3,868.77	1/4	3,504.87	1/4	3,140.94	1/4	2,777.01	1/4	2,413.08
1/2		1/2		1/2		1/2	4,544.62	1/2	4,214.79	1/2	3,861.21	1/2	3,497.29	1/2	3,133.36	1/2	2,769.43	1/2	2,405.50
3/4		3/4		3/4		3/4	4,537.98	3/4	4,207.62	3/4	3,853.63	3/4	3,489.71	3/4	3,125.78	3/4	2,761.85	3/4	2,397.91

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 52'-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 28174"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,390.33	0	2,026.40	0	1,662.46	0	1,302.40	0	951.52	0	591.28	0	227.30	0	0	0	0	0	0
1/4	2,382.75	1/4	2,018.82	1/4	1,654.87	1/4	1,294.81	1/4	944.27	1/4	583.70	1/4	219.72	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,375.17	1/2	2,011.23	1/2	1,647.29	1/2	1,287.23	1/2	937.01	1/2	576.11	1/2	212.13	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,367.59	3/4	2,003.65	3/4	1,639.71	3/4	1,279.65	3/4	929.74	3/4	568.53	3/4	204.55	3/4	3/4	3/4	3/4	3/4	3/4
1	2,360.00	1	1,996.07	1	1,632.13	1	1,272.07	1	922.48	1	560.95	1	196.97	1	1	1	1	1	1
1/4	2,352.42	1/4	1,988.49	1/4	1,624.55	1/4	1,264.48	1/4	915.21	1/4	553.36	1/4	189.39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,344.84	1/2	1,980.91	1/2	1,616.96	1/2	1,256.90	1/2	907.94	1/2	545.78	1/2	181.81	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,337.26	3/4	1,973.32	3/4	1,609.38	3/4	1,249.47	3/4	900.66	3/4	538.20	3/4	174.24	3/4	3/4	3/4	3/4	3/4	3/4
2	2,329.68	2	1,965.74	2	1,601.80	2	1,242.04	2	893.38	2	530.62	2	166.67	2	2	2	2	2	2
1/4	2,322.10	1/4	1,958.16	1/4	1,594.22	1/4	1,234.60	1/4	886.10	1/4	523.03	1/4	159.09	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,314.51	1/2	1,950.58	1/2	1,586.64	1/2	1,227.17	1/2	878.82	1/2	515.45	1/2	151.52	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,306.93	3/4	1,942.99	3/4	1,579.05	3/4	1,219.90	3/4	871.38	3/4	507.87	3/4	143.96	3/4	3/4	3/4	3/4	3/4	3/4
3	2,299.35	3	1,935.41	3	1,571.47	3	1,212.64	3	863.95	3	500.28	3	136.40	3	3	3	3	3	3
1/4	2,291.77	1/4	1,927.83	1/4	1,563.89	1/4	1,205.37	1/4	856.52	1/4	492.70	1/4	128.84	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,284.19	1/2	1,920.25	1/2	1,556.31	1/2	1,198.10	1/2	849.09	1/2	485.12	1/2	121.28	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,276.60	3/4	1,912.67	3/4	1,548.81	3/4	1,190.84	3/4	841.51	3/4	477.53	3/4	113.73	3/4	3/4	3/4	3/4	3/4	3/4
4	2,269.02	4	1,905.08	4	1,541.31	4	1,183.59	4	833.92	4	469.95	4	106.19	4	4	4	4	4	4
1/4	2,261.44	1/4	1,897.50	1/4	1,533.80	1/4	1,176.34	1/4	826.34	1/4	462.37	1/4	98.65	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,253.86	1/2	1,889.92	1/2	1,526.30	1/2	1,169.08	1/2	818.76	1/2	454.79	1/2	91.11	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,246.28	3/4	1,882.34	3/4	1,518.88	3/4	1,161.83	3/4	811.18	3/4	447.20	3/4	83.60	3/4	3/4	3/4	3/4	3/4	3/4
5	2,238.69	5	1,874.76	5	1,511.46	5	1,154.58	5	803.59	5	439.62	5	76.09	5	5	5	5	5	5
1/4	2,231.11	1/4	1,867.17	1/4	1,504.04	1/4	1,147.33	1/4	796.01	1/4	432.04	1/4	68.59	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,223.53	1/2	1,859.59	1/2	1,496.62	1/2	1,140.07	1/2	788.43	1/2	424.45	1/2	61.08	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,215.95	3/4	1,852.01	3/4	1,489.20	3/4	1,132.82	3/4	780.85	3/4	416.87	3/4	54.18	3/4	3/4	3/4	3/4	3/4	3/4
6	2,208.37	6	1,844.43	6	1,481.78	6	1,125.57	6	773.26	6	409.29	6	47.28	6	6	6	6	6	6
1/4	2,200.78	1/4	1,836.85	1/4	1,474.36	1/4	1,118.32	1/4	765.68	1/4	401.71	1/4	40.38	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,193.20	1/2	1,829.26	1/2	1,466.94	1/2	1,111.07	1/2	758.10	1/2	394.12	1/2	33.47	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,185.62	3/4	1,821.68	3/4	1,459.52	3/4	1,103.81	3/4	750.52	3/4	386.54	3/4	28.42	3/4	3/4	3/4	3/4	3/4	3/4
7	2,178.04	7	1,814.10	7	1,452.10	7	1,096.56	7	742.93	7	378.96	7	23.37	7	7	7	7	7	7
1/4	2,170.46	1/4	1,806.52	1/4	1,444.68	1/4	1,089.31	1/4	735.35	1/4	371.37	1/4	18.32	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,162.88	1/2	1,798.93	1/2	1,437.26	1/2	1,082.06	1/2	727.77	1/2	363.79	1/2	13.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,155.29	3/4	1,791.35	3/4	1,429.84	3/4	1,074.81	3/4	720.19	3/4	356.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,147.71	8	1,783.77	8	1,422.42	8	1,067.55	8	712.60	8	348.63	8		8	8	8	8	8	8
1/4	2,140.13	1/4	1,776.19	1/4	1,415.00	1/4	1,060.30	1/4	705.02	1/4	341.04	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,132.55	1/2	1,768.61	1/2	1,407.58	1/2	1,053.05	1/2	697.44	1/2	333.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,124.97	3/4	1,761.02	3/4	1,400.16	3/4	1,045.80	3/4	689.86	3/4	325.88	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,117.38	9	1,753.44	9	1,392.74	9	1,038.55	9	682.27	9	318.29	9		9	9	9	9	9	9
1/4	2,109.80	1/4	1,745.86	1/4	1,385.32	1/4	1,031.30	1/4	674.69	1/4	310.71	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,102.22	1/2	1,738.28	1/2	1,377.90	1/2	1,024.04	1/2	667.11	1/2	303.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,094.64	3/4	1,730.70	3/4	1,370.40	3/4	1,016.79	3/4	659.52	3/4	295.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,087.06	10	1,723.11	10	1,362.90	10	1,009.54	10	651.94	10	287.96	10		10	10	10	10	10	10
1/4	2,079.47	1/4	1,715.53	1/4	1,355.39	1/4	1,002.29	1/4	644.36	1/4	280.38	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,071.89	1/2	1,707.95	1/2	1,347.89	1/2	995.04	1/2	636.78	1/2	272.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,064.31	3/4	1,700.37	3/4	1,340.31	3/4	987.78	3/4	629.19	3/4	265.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,056.73	11	1,692.79	11	1,332.73	11	980.53	11	621.61	11	257.63	11		11	11	11	11	11	11
1/4	2,049.15	1/4	1,685.20	1/4	1,325.14	1/4	973.28	1/4	614.03	1/4	250.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,041.56	1/2	1,677.62	1/2	1,317.56	1/2	966.03	1/2	606.44	1/2	242.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,033.98	3/4	1,670.04	3/4	1,309.98	3/4	958.77	3/4	598.86	3/4	234.88	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/16/2011 CL - SW
CALCULATED: 05/18/2011 CL
PRINTED: 05/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

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



BARGE "KIRBY 28174"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,560.31	0	4,230.48	0	3,876.90	0	3,512.97	0	3,149.04	0	2,785.11
1/4		1/4		1/4		1/4		1/4	4,553.67	1/4	4,223.31	1/4	3,869.32	1/4	3,505.39	1/4	3,141.46	1/4	2,777.53
1/2		1/2		1/2		1/2		1/2	4,547.02	1/2	4,216.14	1/2	3,861.74	1/2	3,497.81	1/2	3,133.88	1/2	2,769.95
3/4		3/4		3/4		3/4		3/4	4,540.38	3/4	4,208.97	3/4	3,854.16	3/4	3,490.23	3/4	3,126.30	3/4	2,762.37
1		1		1		1		1	4,859.13	1	4,533.73	1	4,201.80	1	3,846.58	1	3,482.65	1	3,118.71
1/4		1/4		1/4		1/4		1/4	4,852.34	1/4	4,527.05	1/4	4,194.60	1/4	3,839.00	1/4	3,475.06	1/4	3,111.13
1/2		1/2		1/2		1/2		1/2	4,845.55	1/2	4,520.38	1/2	4,187.39	1/2	3,831.41	1/2	3,467.48	1/2	3,103.55
3/4		3/4		3/4		3/4		3/4	4,838.77	3/4	4,513.70	3/4	4,180.19	3/4	3,823.83	3/4	3,459.90	3/4	3,095.97
2		2		2		2		2	4,831.98	2	4,507.02	2	4,172.98	2	3,816.25	2	3,452.32	2	3,088.39
1/4		1/4		1/4		1/4		1/4	4,824.56	1/4	4,500.31	1/4	4,165.74	1/4	3,808.67	1/4	3,444.74	1/4	3,080.81
1/2		1/2		1/2		1/2		1/2	4,817.14	1/2	4,493.60	1/2	4,158.49	1/2	3,801.09	1/2	3,437.15	1/2	3,073.22
3/4		3/4		3/4		3/4		3/4	4,809.72	3/4	4,486.88	3/4	4,151.25	3/4	3,793.50	3/4	3,429.57	3/4	3,065.64
3		3		3		3		3	4,802.30	3	4,480.17	3	4,144.01	3	3,785.92	3	3,421.99	3	3,058.06
1/4		1/4		1/4		1/4		1/4	4,794.81	1/4	4,473.42	1/4	4,136.73	1/4	3,778.34	1/4	3,414.41	1/4	3,050.48
1/2		1/2		1/2		1/2		1/2	4,787.31	1/2	4,466.67	1/2	4,129.45	1/2	3,770.76	1/2	3,406.83	1/2	3,042.90
3/4		3/4		3/4		3/4		3/4	4,779.81	3/4	4,459.92	3/4	4,122.18	3/4	3,763.18	3/4	3,399.25	3/4	3,035.31
4		4		4		4		4	4,772.31	4	4,453.17	4	4,114.90	4	3,755.59	4	3,391.66	4	3,027.73
1/4		1/4		1/4		1/4		1/4	4,765.09	1/4	4,446.38	1/4	4,107.59	1/4	3,748.01	1/4	3,384.08	1/4	3,020.15
1/2		1/2		1/2		1/2		1/2	4,757.87	1/2	4,439.60	1/2	4,100.28	1/2	3,740.43	1/2	3,376.50	1/2	3,012.57
3/4		3/4		3/4		3/4		3/4	4,750.65	3/4	4,432.81	3/4	4,092.97	3/4	3,732.85	3/4	3,368.92	3/4	3,004.99
5		5		5		5		5	4,743.43	5	4,426.02	5	4,085.66	5	3,725.27	5	3,361.34	5	2,997.40
1/4		1/4		1/4		1/4		1/4	4,736.76	1/4	4,419.20	1/4	4,078.31	1/4	3,717.68	1/4	3,353.75	1/4	2,989.82
1/2		1/2		1/2		1/2		1/2	4,730.09	1/2	4,412.38	1/2	4,070.97	1/2	3,710.10	1/2	3,346.17	1/2	2,982.24
3/4		3/4		3/4		3/4		3/4	4,723.41	3/4	4,405.55	3/4	4,063.62	3/4	3,702.52	3/4	3,338.59	3/4	2,974.66
6		6		6		6		6	4,716.74	6	4,398.73	6	4,056.28	6	3,694.94	6	3,331.01	6	2,967.08
1/4		1/4		1/4		1/4		1/4	4,710.31	1/4	4,391.87	1/4	4,048.89	1/4	3,687.36	1/4	3,323.43	1/4	2,959.49
1/2		1/2		1/2		1/2		1/2	4,703.89	1/2	4,385.00	1/2	4,041.51	1/2	3,679.78	1/2	3,315.84	1/2	2,951.91
3/4		3/4		3/4		3/4		3/4	4,697.46	3/4	4,378.14	3/4	4,034.13	3/4	3,672.19	3/4	3,308.26	3/4	2,944.33
7		7		7		7		7	4,691.04	7	4,371.28	7	4,026.75	7	3,664.61	7	3,300.68	7	2,936.75
1/4		1/4		1/4		1/4		1/4	4,684.58	1/4	4,364.36	1/4	4,019.33	1/4	3,657.03	1/4	3,293.10	1/4	2,929.17
1/2		1/2		1/2		1/2		1/2	4,678.11	1/2	4,357.44	1/2	4,011.91	1/2	3,649.45	1/2	3,285.52	1/2	2,921.59
3/4		3/4		3/4		3/4		3/4	4,671.65	3/4	4,350.52	3/4	4,004.49	3/4	3,641.87	3/4	3,277.93	3/4	2,914.00
8		8		8		8		8	4,665.19	8	4,343.60	8	3,997.07	8	3,634.28	8	3,270.35	8	2,906.42
1/4		1/4		1/4		1/4		1/4	4,658.69	1/4	4,336.61	1/4	3,989.61	1/4	3,626.70	1/4	3,262.77	1/4	2,898.84
1/2		1/2		1/2		1/2		1/2	4,652.19	1/2	4,329.61	1/2	3,982.16	1/2	3,619.12	1/2	3,255.19	1/2	2,891.26
3/4		3/4		3/4		3/4		3/4	4,645.69	3/4	4,322.61	3/4	3,974.70	3/4	3,611.54	3/4	3,247.61	3/4	2,883.68
9		9		9		9		9	4,639.19	9	4,315.61	9	3,967.24	9	3,603.96	9	3,240.03	9	2,876.09
1/4		1/4		1/4		1/4		1/4	4,632.66	1/4	4,308.55	1/4	3,959.75	1/4	3,596.37	1/4	3,232.44	1/4	2,868.51
1/2		1/2		1/2		1/2		1/2	4,626.12	1/2	4,301.49	1/2	3,952.26	1/2	3,588.79	1/2	3,224.86	1/2	2,860.93
3/4		3/4		3/4		3/4		3/4	4,619.59	3/4	4,294.44	3/4	3,944.76	3/4	3,581.21	3/4	3,217.28	3/4	2,853.35
10		10		10		10		10	4,613.05	10	4,287.38	10	3,937.27	10	3,573.63	10	3,209.70	10	2,845.77
1/4		1/4		1/4		1/4		1/4	4,606.48	1/4	4,280.29	1/4	3,929.74	1/4	3,566.05	1/4	3,202.12	1/4	2,838.18
1/2		1/2		1/2		1/2		1/2	4,599.90	1/2	4,273.19	1/2	3,922.21	1/2	3,558.47	1/2	3,194.53	1/2	2,830.60
3/4		3/4		3/4		3/4		3/4	4,593.33	3/4	4,266.10	3/4	3,914.68	3/4	3,550.88	3/4	3,186.95	3/4	2,823.02
11		11		11		11		11	4,586.76	11	4,259.00	11	3,907.15	11	3,543.30	11	3,179.37	11	2,815.44
1/4		1/4		1/4		1/4		1/4	4,580.15	1/4	4,251.87	1/4	3,899.58	1/4	3,535.72	1/4	3,171.79	1/4	2,807.86
1/2		1/2		1/2		1/2		1/2	4,573.54	1/2	4,244.74	1/2	3,892.02	1/2	3,528.14	1/2	3,164.21	1/2	2,800.27
3/4		3/4		3/4		3/4		3/4	4,566.92	3/4	4,237.61	3/4	3,884.46	3/4	3,520.56	3/4	3,156.62	3/4	2,792.69

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 52'-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 28174"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

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	2,421.18	0	2,057.25	0	1,693.31	0	1,333.25	0	970.25	0	606.44	0	242.46	0	0	0	0	0	0
1/4	2,413.60	1/4	2,049.67	1/4	1,685.72	1/4	1,325.66	1/4	962.70	1/4	598.86	1/4	234.88	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,406.02	1/2	2,042.08	1/2	1,678.14	1/2	1,318.08	1/2	955.14	1/2	591.28	1/2	227.30	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,398.43	3/4	2,034.50	3/4	1,670.56	3/4	1,310.50	3/4	947.58	3/4	583.70	3/4	219.72	3/4	3/4	3/4	3/4	3/4	3/4
1	2,390.85	1	2,026.92	1	1,662.98	1	1,302.92	1	940.03	1	576.11	1	212.13	1	1	1	1	1	1
1/4	2,383.27	1/4	2,019.34	1/4	1,655.40	1/4	1,295.33	1/4	932.46	1/4	568.53	1/4	204.55	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,375.69	1/2	2,011.75	1/2	1,647.81	1/2	1,287.75	1/2	924.89	1/2	560.95	1/2	196.97	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,368.11	3/4	2,004.17	3/4	1,640.23	3/4	1,280.17	3/4	917.32	3/4	553.36	3/4	189.39	3/4	3/4	3/4	3/4	3/4	3/4
2	2,360.52	2	1,996.59	2	1,632.65	2	1,272.58	2	909.75	2	545.78	2	181.81	2	2	2	2	2	2
1/4	2,352.94	1/4	1,989.01	1/4	1,625.07	1/4	1,265.00	1/4	902.16	1/4	538.20	1/4	174.24	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,345.36	1/2	1,981.43	1/2	1,617.48	1/2	1,257.42	1/2	894.58	1/2	530.61	1/2	166.67	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,337.78	3/4	1,973.84	3/4	1,609.90	3/4	1,249.84	3/4	887.00	3/4	523.03	3/4	159.09	3/4	3/4	3/4	3/4	3/4	3/4
3	2,330.20	3	1,966.26	3	1,602.32	3	1,242.25	3	879.42	3	515.45	3	151.52	3	3	3	3	3	3
1/4	2,322.62	1/4	1,958.68	1/4	1,594.74	1/4	1,234.68	1/4	871.83	1/4	507.87	1/4	143.96	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,315.03	1/2	1,951.10	1/2	1,587.16	1/2	1,227.11	1/2	864.25	1/2	500.28	1/2	136.40	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,307.45	3/4	1,943.51	3/4	1,579.57	3/4	1,219.54	3/4	856.67	3/4	492.70	3/4	128.84	3/4	3/4	3/4	3/4	3/4	3/4
4	2,299.87	4	1,935.93	4	1,571.99	4	1,211.97	4	849.09	4	485.12	4	121.28	4	4	4	4	4	4
1/4	2,292.29	1/4	1,928.35	1/4	1,564.49	1/4	1,204.42	1/4	841.51	1/4	477.53	1/4	113.73	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,284.71	1/2	1,920.77	1/2	1,556.99	1/2	1,196.86	1/2	833.92	1/2	469.95	1/2	106.19	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,277.12	3/4	1,913.19	3/4	1,549.49	3/4	1,189.31	3/4	826.34	3/4	462.37	3/4	98.65	3/4	3/4	3/4	3/4	3/4	3/4
5	2,269.54	5	1,905.60	5	1,541.99	5	1,181.75	5	818.76	5	454.79	5	91.11	5	5	5	5	5	5
1/4	2,261.96	1/4	1,898.02	1/4	1,534.57	1/4	1,174.20	1/4	811.18	1/4	447.20	1/4	83.60	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,254.38	1/2	1,890.44	1/2	1,527.15	1/2	1,166.64	1/2	803.59	1/2	439.62	1/2	76.09	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,246.80	3/4	1,882.86	3/4	1,519.73	3/4	1,159.09	3/4	796.01	3/4	432.04	3/4	68.59	3/4	3/4	3/4	3/4	3/4	3/4
6	2,239.21	6	1,875.28	6	1,512.31	6	1,151.54	6	788.43	6	424.45	6	61.08	6	6	6	6	6	6
1/4	2,231.63	1/4	1,867.69	1/4	1,504.89	1/4	1,143.98	1/4	780.85	1/4	416.87	1/4	54.18	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,224.05	1/2	1,860.11	1/2	1,497.47	1/2	1,136.43	1/2	773.26	1/2	409.29	1/2	47.28	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,216.47	3/4	1,852.53	3/4	1,490.05	3/4	1,128.88	3/4	765.68	3/4	401.71	3/4	40.38	3/4	3/4	3/4	3/4	3/4	3/4
7	2,208.89	7	1,844.95	7	1,482.63	7	1,121.32	7	758.10	7	394.12	7	33.47	7	7	7	7	7	7
1/4	2,201.30	1/4	1,837.37	1/4	1,475.21	1/4	1,113.77	1/4	750.52	1/4	386.54	1/4	28.42	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,193.72	1/2	1,829.78	1/2	1,467.79	1/2	1,106.22	1/2	742.93	1/2	378.96	1/2	23.37	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,186.14	3/4	1,822.20	3/4	1,460.37	3/4	1,098.66	3/4	735.35	3/4	371.37	3/4	18.32	3/4	3/4	3/4	3/4	3/4	3/4
8	2,178.56	8	1,814.62	8	1,452.95	8	1,091.11	8	727.77	8	363.79	8	13.26	8	8	8	8	8	8
1/4	2,170.98	1/4	1,807.04	1/4	1,445.53	1/4	1,083.55	1/4	720.19	1/4	356.21	1/4	8.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,163.40	1/2	1,799.45	1/2	1,438.11	1/2	1,076.00	1/2	712.60	1/2	348.63	1/2	3.16	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,155.81	3/4	1,791.87	3/4	1,430.69	3/4	1,068.45	3/4	705.02	3/4	341.04	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
9	2,148.23	9	1,784.29	9	1,423.27	9	1,060.89	9	697.44	9	333.46	9	0.00	9	9	9	9	9	9
1/4	2,140.65	1/4	1,776.71	1/4	1,415.85	1/4	1,053.34	1/4	689.86	1/4	325.88	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,133.07	1/2	1,769.13	1/2	1,408.43	1/2	1,045.79	1/2	682.27	1/2	318.29	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,125.49	3/4	1,761.54	3/4	1,401.00	3/4	1,038.23	3/4	674.69	3/4	310.71	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
10	2,117.90	10	1,753.96	10	1,393.58	10	1,030.68	10	667.11	10	303.13	10	0.00	10	10	10	10	10	10
1/4	2,110.32	1/4	1,746.38	1/4	1,386.08	1/4	1,023.13	1/4	659.52	1/4	295.55	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,102.74	1/2	1,738.80	1/2	1,378.58	1/2	1,015.57	1/2	651.94	1/2	287.96	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,095.16	3/4	1,731.22	3/4	1,371.08	3/4	1,008.02	3/4	644.36	3/4	280.38	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
11	2,087.58	11	1,723.63	11	1,363.58	11	1,000.47	11	636.78	11	272.80	11	0.00	11	11	11	11	11	11
1/4	2,079.99	1/4	1,716.05	1/4	1,356.00	1/4	992.91	1/4	629.19	1/4	265.21	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,072.41	1/2	1,708.47	1/2	1,348.41	1/2	985.36	1/2	621.61	1/2	257.63	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,064.83	3/4	1,700.89	3/4	1,340.83	3/4	977.80	3/4	614.03	3/4	250.05	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/16/2011 CL - SW
CALCULATED: 05/18/2011 CL
PRINTED: 05/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

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



BARGE "KIRBY 28174"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,450.72	0	4,194.75	0	3,933.02	0	3,657.69	0	3,374.16	0	3,010.19	0	2,646.65
1/4		1/4		1/4		1/4	4,445.68	1/4	4,189.44	1/4	3,927.39	1/4	3,651.86	1/4	3,366.57	1/4	3,002.61	1/4	2,639.08
1/2		1/2		1/2		1/2	4,440.65	1/2	4,184.13	1/2	3,921.76	1/2	3,646.02	1/2	3,358.98	1/2	2,995.04	1/2	2,631.50
3/4		3/4		3/4		3/4	4,435.61	3/4	4,178.82	3/4	3,916.12	3/4	3,640.19	3/4	3,351.38	3/4	2,987.47	3/4	2,623.93
1		1		1		1	4,430.57	1	4,173.51	1	3,910.49	1	3,634.36	1	3,343.79	1	2,979.89	1	2,616.36
1/4		1/4		1/4		1/4	4,424.90	1/4	4,168.18	1/4	3,904.84	1/4	3,628.52	1/4	3,336.19	1/4	2,972.32	1/4	2,608.78
1/2		1/2		1/2		1/2	4,419.23	1/2	4,162.86	1/2	3,899.19	1/2	3,622.69	1/2	3,328.60	1/2	2,964.75	1/2	2,601.21
3/4		3/4		3/4		3/4	4,413.56	3/4	4,157.53	3/4	3,893.54	3/4	3,616.86	3/4	3,321.01	3/4	2,957.17	3/4	2,593.63
2		2		2		2	4,407.89	2	4,152.20	2	3,887.89	2	3,611.02	2	3,313.41	2	2,949.60	2	2,586.06
1/4		1/4		1/4		1/4	4,402.14	1/4	4,146.85	1/4	3,882.22	1/4	3,605.19	1/4	3,305.82	1/4	2,942.02	1/4	2,578.49
1/2		1/2		1/2		1/2	4,396.39	1/2	4,141.51	1/2	3,876.55	1/2	3,599.36	1/2	3,298.23	1/2	2,934.45	1/2	2,570.91
3/4		3/4		3/4		3/4	4,390.64	3/4	4,136.16	3/4	3,870.88	3/4	3,593.52	3/4	3,290.63	3/4	2,926.88	3/4	2,563.34
3		3		3		3	4,384.89	3	4,130.81	3	3,865.21	3	3,587.69	3	3,283.04	3	2,919.30	3	2,555.77
1/4		1/4		1/4		1/4	4,379.29	1/4	4,125.44	1/4	3,859.52	1/4	3,581.86	1/4	3,275.44	1/4	2,911.73	1/4	2,548.19
1/2		1/2		1/2		1/2	4,373.69	1/2	4,120.08	1/2	3,853.83	1/2	3,576.02	1/2	3,267.85	1/2	2,904.16	1/2	2,540.62
3/4		3/4		3/4		3/4	4,368.09	3/4	4,114.71	3/4	3,848.14	3/4	3,570.19	3/4	3,260.26	3/4	2,896.58	3/4	2,533.04
4		4		4		4	4,362.49	4	4,109.34	4	3,842.46	4	3,564.35	4	3,252.66	4	2,889.01	4	2,525.47
1/4		1/4		1/4		1/4	4,357.19	1/4	4,103.95	1/4	3,836.75	1/4	3,558.52	1/4	3,245.07	1/4	2,881.43	1/4	2,517.90
1/2		1/2		1/2		1/2	4,351.88	1/2	4,098.57	1/2	3,831.04	1/2	3,552.69	1/2	3,237.48	1/2	2,873.86	1/2	2,510.32
3/4		3/4		3/4		3/4	4,346.57	3/4	4,093.18	3/4	3,825.34	3/4	3,546.85	3/4	3,229.88	3/4	2,866.29	3/4	2,502.75
5		5		5		5	4,341.27	5	4,087.79	5	3,819.63	5	3,541.02	5	3,222.29	5	2,858.71	5	2,495.18
1/4		1/4		1/4		1/4	4,336.09	1/4	4,082.38	1/4	3,813.90	1/4	3,535.19	1/4	3,214.71	1/4	2,851.14	1/4	2,487.60
1/2		1/2		1/2		1/2	4,330.92	1/2	4,076.98	1/2	3,808.18	1/2	3,529.35	1/2	3,207.12	1/2	2,843.57	1/2	2,480.03
3/4		3/4		3/4		3/4	4,325.75	3/4	4,071.57	3/4	3,802.45	3/4	3,523.52	3/4	3,199.54	3/4	2,835.99	3/4	2,472.45
6		6		6		6	4,320.57	6	4,066.16	6	3,796.73	6	3,517.69	6	3,191.96	6	2,828.42	6	2,464.88
1/4		1/4		1/4		1/4	4,315.38	1/4	4,060.71	1/4	3,790.98	1/4	3,511.85	1/4	3,184.38	1/4	2,820.84	1/4	2,457.31
1/2		1/2		1/2		1/2	4,310.19	1/2	4,055.26	1/2	3,785.23	1/2	3,506.02	1/2	3,176.81	1/2	2,813.27	1/2	2,449.73
3/4		3/4		3/4		3/4	4,304.99	3/4	4,049.82	3/4	3,779.49	3/4	3,500.19	3/4	3,169.24	3/4	2,805.70	3/4	2,442.16
7		7		7		7	4,299.80	7	4,044.37	7	3,773.74	7	3,494.35	7	3,161.66	7	2,798.12	7	2,434.59
1/4		1/4		1/4		1/4	4,294.59	1/4	4,038.86	1/4	3,767.97	1/4	3,488.52	1/4	3,154.09	1/4	2,790.55	1/4	2,427.01
1/2		1/2		1/2		1/2	4,289.37	1/2	4,033.35	1/2	3,762.21	1/2	3,482.69	1/2	3,146.51	1/2	2,782.98	1/2	2,419.44
3/4		3/4		3/4		3/4	4,284.16	3/4	4,027.84	3/4	3,756.44	3/4	3,476.85	3/4	3,138.94	3/4	2,775.40	3/4	2,411.87
8		8		8		8	4,278.95	8	4,022.32	8	3,750.68	8	3,471.02	8	3,131.37	8	2,767.83	8	2,404.29
1/4		1/4		1/4		1/4	4,273.72	1/4	4,016.77	1/4	3,744.89	1/4	3,465.19	1/4	3,123.79	1/4	2,760.26	1/4	2,396.72
1/2		1/2		1/2		1/2	4,268.48	1/2	4,011.22	1/2	3,739.10	1/2	3,459.35	1/2	3,116.22	1/2	2,752.68	1/2	2,389.14
3/4		3/4		3/4		3/4	4,263.25	3/4	4,005.67	3/4	3,733.32	3/4	3,453.52	3/4	3,108.65	3/4	2,745.11	3/4	2,381.57
9		9		9		9	4,258.02	9	4,000.12	9	3,727.53	9	3,447.68	9	3,101.07	9	2,737.53	9	2,374.00
1/4		1/4		1/4		1/4	4,252.76	1/4	3,994.55	1/4	3,721.73	1/4	3,441.85	1/4	3,093.50	1/4	2,729.96	1/4	2,366.42
1/2		1/2		1/2		1/2	4,247.51	1/2	3,988.97	1/2	3,715.92	1/2	3,436.02	1/2	3,085.92	1/2	2,722.39	1/2	2,358.85
3/4		3/4		3/4		3/4	4,242.26	3/4	3,983.40	3/4	3,710.11	3/4	3,430.18	3/4	3,078.35	3/4	2,714.81	3/4	2,351.28
10		10		10		10	4,237.01	10	3,977.83	10	3,704.31	10	3,424.35	10	3,070.78	10	2,707.24	10	2,343.70
1/4		1/4		1/4		1/4	4,231.73	1/4	3,972.24	1/4	3,698.48	1/4	3,418.52	1/4	3,063.20	1/4	2,699.67	1/4	2,336.13
1/2		1/2		1/2		1/2	4,226.46	1/2	3,966.65	1/2	3,692.66	1/2	3,412.68	1/2	3,055.63	1/2	2,692.09	1/2	2,328.55
3/4		3/4		3/4		3/4	4,221.19	3/4	3,961.06	3/4	3,686.84	3/4	3,406.85	3/4	3,048.06	3/4	2,684.52	3/4	2,320.98
11		11		11		11	4,215.91	11	3,955.46	11	3,681.02	11	3,401.02	11	3,040.48	11	2,676.94	11	2,313.41
1/4		1/4		1/4		1/4	4,210.62	1/4	3,949.85	1/4	3,675.18	1/4	3,394.30	1/4	3,032.91	1/4	2,669.37	1/4	2,305.83
1/2		1/2		1/2	4,460.18	1/2	4,205.33	1/2	3,944.24	1/2	3,669.35	1/2	3,387.59	1/2	3,025.33	1/2	2,661.80	1/2	2,298.26
3/4		3/4		3/4	4,455.45	3/4	4,200.04	3/4	3,938.63	3/4	3,663.52	3/4	3,380.88	3/4	3,017.76	3/4	2,654.22	3/4	2,290.69

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 52'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28174"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE 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	2,283.11	0	1,919.57	0	1,556.17	0	1,197.13	0	843.31	0	485.97	0	122.69	0	0	0	0	0	0
1/4	2,275.54	1/4	1,912.00	1/4	1,548.62	1/4	1,189.57	1/4	835.93	1/4	478.38	1/4	116.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,267.96	1/2	1,904.43	1/2	1,541.07	1/2	1,182.01	1/2	828.56	1/2	470.78	1/2	110.04	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,260.39	3/4	1,896.85	3/4	1,533.52	3/4	1,174.45	3/4	821.19	3/4	463.19	3/4	103.71	3/4	3/4	3/4	3/4	3/4	3/4
1	2,252.82	1	1,889.28	1	1,525.97	1	1,166.90	1	813.82	1	455.60	1	97.38	1	1	1	1	1	1
1/4	2,245.24	1/4	1,881.70	1/4	1,518.42	1/4	1,159.44	1/4	806.44	1/4	448.00	1/4	92.33	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,237.67	1/2	1,874.13	1/2	1,510.87	1/2	1,151.99	1/2	799.05	1/2	440.41	1/2	87.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,230.10	3/4	1,866.56	3/4	1,503.32	3/4	1,144.54	3/4	791.67	3/4	432.81	3/4	82.21	3/4	3/4	3/4	3/4	3/4	3/4
2	2,222.52	2	1,858.98	2	1,495.76	2	1,137.08	2	784.28	2	425.22	2	77.16	2	2	2	2	2	2
1/4	2,214.95	1/4	1,851.41	1/4	1,488.21	1/4	1,129.74	1/4	776.90	1/4	417.62	1/4	73.38	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,207.38	1/2	1,843.84	1/2	1,480.66	1/2	1,122.39	1/2	769.52	1/2	410.03	1/2	69.60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,199.80	3/4	1,836.26	3/4	1,473.11	3/4	1,115.05	3/4	762.13	3/4	402.43	3/4	65.82	3/4	3/4	3/4	3/4	3/4	3/4
3	2,192.23	3	1,828.69	3	1,465.56	3	1,107.70	3	754.75	3	394.84	3	62.04	3	3	3	3	3	3
1/4	2,184.65	1/4	1,821.11	1/4	1,458.09	1/4	1,100.36	1/4	747.36	1/4	387.24	1/4	59.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,177.08	1/2	1,813.54	1/2	1,450.62	1/2	1,093.03	1/2	739.98	1/2	379.65	1/2	57.05	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,169.51	3/4	1,805.97	3/4	1,443.15	3/4	1,085.69	3/4	732.60	3/4	372.05	3/4	54.55	3/4	3/4	3/4	3/4	3/4	3/4
4	2,161.93	4	1,798.39	4	1,435.69	4	1,078.35	4	725.21	4	364.46	4	52.06	4	4	4	4	4	4
1/4	2,154.36	1/4	1,790.82	1/4	1,428.28	1/4	1,071.01	1/4	717.83	1/4	356.86	1/4	50.86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,146.79	1/2	1,783.24	1/2	1,420.88	1/2	1,063.67	1/2	710.44	1/2	349.27	1/2	49.66	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,139.21	3/4	1,775.67	3/4	1,413.48	3/4	1,056.34	3/4	703.06	3/4	341.67	3/4	48.46	3/4	3/4	3/4	3/4	3/4	3/4
5	2,131.64	5	1,768.10	5	1,406.08	5	1,049.00	5	695.68	5	334.08	5	47.26	5	5	5	5	5	5
1/4	2,124.06	1/4	1,760.52	1/4	1,398.67	1/4	1,041.66	1/4	688.29	1/4	326.49	1/4	46.06	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,116.49	1/2	1,752.95	1/2	1,391.26	1/2	1,034.33	1/2	680.91	1/2	318.89	1/2	44.86	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,108.92	3/4	1,745.37	3/4	1,383.84	3/4	1,026.99	3/4	673.52	3/4	311.30	3/4	43.66	3/4	3/4	3/4	3/4	3/4	3/4
6	2,101.34	6	1,737.80	6	1,376.43	6	1,019.65	6	666.14	6	303.70	6	42.46	6	6	6	6	6	6
1/4	2,093.77	1/4	1,730.23	1/4	1,369.02	1/4	1,012.32	1/4	658.76	1/4	296.11	1/4	41.26	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,086.20	1/2	1,722.65	1/2	1,361.61	1/2	1,004.98	1/2	651.37	1/2	288.51	1/2	40.06	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,078.62	3/4	1,715.08	3/4	1,354.19	3/4	997.64	3/4	643.99	3/4	280.92	3/4	38.86	3/4	3/4	3/4	3/4	3/4	3/4
7	2,071.05	7	1,707.51	7	1,346.78	7	990.31	7	636.60	7	273.32	7	37.66	7	7	7	7	7	7
1/4	2,063.47	1/4	1,699.93	1/4	1,339.37	1/4	982.97	1/4	629.22	1/4	265.73	1/4	36.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,055.90	1/2	1,692.36	1/2	1,331.95	1/2	975.63	1/2	621.84	1/2	258.13	1/2	35.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,048.33	3/4	1,684.78	3/4	1,324.54	3/4	968.30	3/4	614.45	3/4	250.54	3/4	34.06	3/4	3/4	3/4	3/4	3/4	3/4
8	2,040.75	8	1,677.21	8	1,317.13	8	960.96	8	607.07	8	242.94	8	32.86	8	8	8	8	8	8
1/4	2,033.18	1/4	1,669.64	1/4	1,309.72	1/4	953.61	1/4	599.58	1/4	235.35	1/4	31.66	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,025.61	1/2	1,662.06	1/2	1,302.32	1/2	946.27	1/2	592.09	1/2	227.75	1/2	30.46	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,018.03	3/4	1,654.49	3/4	1,294.91	3/4	938.92	3/4	584.60	3/4	220.16	3/4	29.26	3/4	3/4	3/4	3/4	3/4	3/4
9	2,010.46	9	1,646.91	9	1,287.51	9	931.57	9	577.11	9	212.56	9	28.06	9	9	9	9	9	9
1/4	2,002.89	1/4	1,639.34	1/4	1,280.03	1/4	924.22	1/4	569.52	1/4	204.97	1/4	26.86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,995.31	1/2	1,631.77	1/2	1,272.55	1/2	916.86	1/2	561.92	1/2	197.38	1/2	25.66	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,987.74	3/4	1,624.19	3/4	1,265.08	3/4	909.51	3/4	554.33	3/4	189.78	3/4	24.46	3/4	3/4	3/4	3/4	3/4	3/4
10	1,980.16	10	1,616.62	10	1,257.60	10	902.15	10	546.73	10	182.19	10	23.26	10	10	10	10	10	10
1/4	1,972.59	1/4	1,609.06	1/4	1,250.04	1/4	894.80	1/4	539.14	1/4	174.59	1/4	22.06	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,965.02	1/2	1,601.49	1/2	1,242.48	1/2	887.44	1/2	531.54	1/2	167.00	1/2	20.86	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,957.44	3/4	1,593.93	3/4	1,234.92	3/4	880.09	3/4	523.95	3/4	159.40	3/4	19.66	3/4	3/4	3/4	3/4	3/4	3/4
11	1,949.87	11	1,586.37	11	1,227.36	11	872.73	11	516.35	11	151.81	11	18.46	11	11	11	11	11	11
1/4	1,942.30	1/4	1,578.82	1/4	1,219.81	1/4	865.38	1/4	508.76	1/4	144.23	1/4	17.26	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,934.72	1/2	1,571.27	1/2	1,212.25	1/2	858.02	1/2	501.16	1/2	137.25	1/2	16.06	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,927.15	3/4	1,563.72	3/4	1,204.69	3/4	850.66	3/4	493.57	3/4	129.97	3/4	14.86	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/16/2011 CL - SW
CALCULATED: 05/18/2011 CL
PRINTED: 05/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

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



BARGE "KIRBY 28174"

3 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,469.10	0	4,212.83	0	3,950.74	0	3,675.18	0	3,389.85	0	3,025.31	0	2,660.77		
1/4		1/4		1/4		1/4	4,464.06	1/4	4,207.52	1/4	3,945.11	1/4	3,669.35	1/4	3,382.26	1/4	3,017.72	1/4	2,653.18		
1/2		1/2		1/2		1/2	4,459.03	1/2	4,202.21	1/2	3,939.48	1/2	3,663.51	1/2	3,374.66	1/2	3,010.12	1/2	2,645.58		
3/4		3/4		3/4		3/4	4,453.99	3/4	4,196.90	3/4	3,933.85	3/4	3,657.68	3/4	3,367.07	3/4	3,002.53	3/4	2,637.99		
1		1		1		1	4,448.32	1	4,191.57	1	3,928.19	1	3,651.84	1	3,359.47	1	2,994.93	1	2,630.39		
1/4		1/4		1/4		1/4	4,442.65	1/4	4,186.24	1/4	3,922.54	1/4	3,646.01	1/4	3,351.88	1/4	2,987.34	1/4	2,622.80		
1/2		1/2		1/2		1/2	4,436.98	1/2	4,180.91	1/2	3,916.89	1/2	3,640.17	1/2	3,344.28	1/2	2,979.74	1/2	2,615.20		
3/4		3/4		3/4		3/4	4,431.30	3/4	4,175.59	3/4	3,911.24	3/4	3,634.34	3/4	3,336.69	3/4	2,972.15	3/4	2,607.61		
2		2		2		2	4,425.55	2	4,170.24	2	3,905.57	2	3,628.51	2	3,329.10	2	2,964.55	2	2,600.01		
1/4		1/4		1/4		1/4	4,419.80	1/4	4,164.89	1/4	3,899.90	1/4	3,622.67	1/4	3,321.50	1/4	2,956.96	1/4	2,592.42		
1/2		1/2		1/2		1/2	4,414.06	1/2	4,159.54	1/2	3,894.23	1/2	3,616.84	1/2	3,313.91	1/2	2,949.37	1/2	2,584.82		
3/4		3/4		3/4		3/4	4,408.31	3/4	4,154.19	3/4	3,888.55	3/4	3,611.00	3/4	3,306.31	3/4	2,941.77	3/4	2,577.23		
3		3		3		3	4,402.70	3	4,148.82	3	3,882.87	3	3,605.17	3	3,298.72	3	2,934.18	3	2,569.64		
1/4		1/4		1/4		1/4	4,397.10	1/4	4,143.46	1/4	3,877.18	1/4	3,599.33	1/4	3,291.12	1/4	2,926.58	1/4	2,562.04		
1/2		1/2		1/2		1/2	4,391.50	1/2	4,138.09	1/2	3,871.49	1/2	3,593.50	1/2	3,283.53	1/2	2,918.99	1/2	2,554.45		
3/4		3/4		3/4		3/4	4,385.90	3/4	4,132.72	3/4	3,865.80	3/4	3,587.67	3/4	3,275.93	3/4	2,911.39	3/4	2,546.85		
4		4		4		4	4,380.59	4	4,127.33	4	3,860.09	4	3,581.83	4	3,268.34	4	2,903.80	4	2,539.26		
1/4		1/4		1/4		1/4	4,375.29	1/4	4,121.94	1/4	3,854.39	1/4	3,576.00	1/4	3,260.74	1/4	2,896.20	1/4	2,531.66		
1/2		1/2		1/2		1/2	4,369.98	1/2	4,116.56	1/2	3,848.68	1/2	3,570.16	1/2	3,253.15	1/2	2,888.61	1/2	2,524.07		
3/4		3/4		3/4		3/4	4,364.67	3/4	4,111.17	3/4	3,842.97	3/4	3,564.33	3/4	3,245.55	3/4	2,881.01	3/4	2,516.47		
5		5		5		5	4,359.50	5	4,105.76	5	3,837.25	5	3,558.50	5	3,237.96	5	2,873.42	5	2,508.88		
1/4		1/4		1/4		1/4	4,354.32	1/4	4,100.35	1/4	3,831.52	1/4	3,552.66	1/4	3,230.37	1/4	2,865.82	1/4	2,501.28		
1/2		1/2		1/2		1/2	4,349.15	1/2	4,094.94	1/2	3,825.79	1/2	3,546.83	1/2	3,222.77	1/2	2,858.23	1/2	2,493.69		
3/4		3/4		3/4		3/4	4,343.98	3/4	4,089.53	3/4	3,820.07	3/4	3,540.99	3/4	3,215.18	3/4	2,850.64	3/4	2,486.09		
6		6		6		6	4,338.78	6	4,084.09	6	3,814.32	6	3,535.16	6	3,207.58	6	2,843.04	6	2,478.50		
1/4		1/4		1/4		1/4	4,333.59	1/4	4,078.64	1/4	3,808.57	1/4	3,529.32	1/4	3,199.99	1/4	2,835.45	1/4	2,470.91		
1/2		1/2		1/2		1/2	4,328.40	1/2	4,073.19	1/2	3,802.82	1/2	3,523.49	1/2	3,192.39	1/2	2,827.85	1/2	2,463.31		
3/4		3/4		3/4		3/4	4,323.20	3/4	4,067.74	3/4	3,797.08	3/4	3,517.66	3/4	3,184.80	3/4	2,820.26	3/4	2,455.72		
7		7		7		7	4,317.99	7	4,062.23	7	3,791.31	7	3,511.82	7	3,177.20	7	2,812.66	7	2,448.12		
1/4		1/4		1/4		1/4	4,312.78	1/4	4,056.72	1/4	3,785.54	1/4	3,505.99	1/4	3,169.61	1/4	2,805.07	1/4	2,440.53		
1/2		1/2		1/2		1/2	4,307.56	1/2	4,051.20	1/2	3,779.78	1/2	3,500.15	1/2	3,162.01	1/2	2,797.47	1/2	2,432.93		
3/4		3/4		3/4		3/4	4,302.35	3/4	4,045.69	3/4	3,774.01	3/4	3,494.32	3/4	3,154.42	3/4	2,789.88	3/4	2,425.34		
8		8		8		8	4,297.11	8	4,040.14	8	3,768.22	8	3,488.49	8	3,146.83	8	2,782.28	8	2,417.74		
1/4		1/4		1/4		1/4	4,291.88	1/4	4,034.59	1/4	3,762.44	1/4	3,482.65	1/4	3,139.23	1/4	2,774.69	1/4	2,410.15		
1/2		1/2		1/2		1/2	4,286.65	1/2	4,029.04	1/2	3,756.65	1/2	3,476.82	1/2	3,131.64	1/2	2,767.10	1/2	2,402.55		
3/4		3/4		3/4		3/4	4,281.41	3/4	4,023.48	3/4	3,750.86	3/4	3,470.98	3/4	3,124.04	3/4	2,759.50	3/4	2,394.96		
9		9		9		9	4,276.16	9	4,017.91	9	3,745.06	9	3,465.15	9	3,116.45	9	2,751.91	9	2,387.37		
1/4		1/4		1/4		1/4	4,270.91	1/4	4,012.34	1/4	3,739.25	1/4	3,459.31	1/4	3,108.85	1/4	2,744.31	1/4	2,379.77		
1/2		1/2		1/2		1/2	4,265.65	1/2	4,006.77	1/2	3,733.44	1/2	3,453.48	1/2	3,101.26	1/2	2,736.72	1/2	2,372.18		
3/4		3/4		3/4		3/4	4,260.40	3/4	4,001.19	3/4	3,727.64	3/4	3,447.65	3/4	3,093.66	3/4	2,729.12	3/4	2,364.58		
10		10		10		10	4,255.13	10	3,995.60	10	3,721.81	10	3,441.81	10	3,086.07	10	2,721.53	10	2,356.99		
1/4		1/4		1/4		1/4	4,249.85	1/4	3,990.01	1/4	3,715.99	1/4	3,435.98	1/4	3,078.47	1/4	2,713.93	1/4	2,349.39		
1/2		1/2		1/2		1/2	4,244.58	1/2	3,984.42	1/2	3,710.17	1/2	3,430.14	1/2	3,070.88	1/2	2,706.34	1/2	2,341.80		
3/4		3/4		3/4		3/4	4,493.06	3/4	4,239.31	3/4	3,978.82	3/4	3,704.34	3/4	3,424.31	3/4	3,063.28	3/4	2,698.74	3/4	2,334.20
11		11		11		11	4,488.33	11	4,234.01	11	3,973.21	11	3,698.51	11	3,417.59	11	3,055.69	11	2,691.15	11	2,326.61
1/4		1/4		1/4		1/4	4,483.60	1/4	4,228.72	1/4	3,967.60	1/4	3,692.68	1/4	3,410.88	1/4	3,048.10	1/4	2,683.55	1/4	2,319.01
1/2		1/2		1/2		1/2	4,478.87	1/2	4,223.43	1/2	3,961.99	1/2	3,686.85	1/2	3,404.16	1/2	3,040.50	1/2	2,675.96	1/2	2,311.42
3/4		3/4		3/4		3/4	4,474.14	3/4	4,218.14	3/4	3,956.37	3/4	3,681.01	3/4	3,397.45	3/4	3,032.91	3/4	2,668.37	3/4	2,303.82

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 52'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





BARGE "KIRBY 28174"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,296.23	0	1,931.69	0	1,567.13	0	1,206.46	0	842.98	0	478.44	0	116.38	0	0	0	0	0	0
1/4	2,288.64	1/4	1,924.09	1/4	1,559.54	1/4	1,198.86	1/4	835.39	1/4	470.84	1/4	110.05	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,281.04	1/2	1,916.50	1/2	1,551.95	1/2	1,191.27	1/2	827.81	1/2	463.25	1/2	103.72	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,273.45	3/4	1,908.90	3/4	1,544.35	3/4	1,183.67	3/4	820.23	3/4	455.65	3/4	97.40	3/4	3/4	3/4	3/4	3/4	3/4
1	2,265.85	1	1,901.31	1	1,536.76	1	1,176.08	1	812.63	1	448.05	1	92.34	1	1	1	1	1	1
1 1/4	2,258.26	1 1/4	1,893.71	1 1/4	1,529.16	1 1/4	1,168.48	1 1/4	805.04	1 1/4	440.46	1 1/4	87.28	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,250.66	1 1/2	1,886.12	1 1/2	1,521.57	1 1/2	1,160.89	1 1/2	797.44	1 1/2	432.86	1 1/2	82.22	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,243.07	3/4	1,878.52	3/4	1,513.97	3/4	1,153.29	3/4	789.85	3/4	425.27	3/4	77.17	3/4	3/4	3/4	3/4	3/4	3/4
2	2,235.47	2	1,870.93	2	1,506.38	2	1,145.71	2	782.25	2	417.67	2	73.39	2	2	2	2	2	2
1 1/4	2,227.88	1 1/4	1,863.33	1 1/4	1,498.78	1 1/4	1,138.13	1 1/4	774.66	1 1/4	410.08	1 1/4	69.61	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,220.28	1 1/2	1,855.74	1 1/2	1,491.19	1 1/2	1,130.54	1 1/2	767.06	1 1/2	402.48	1 1/2	65.83	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,212.69	3/4	1,848.14	3/4	1,483.59	3/4	1,122.96	3/4	759.47	3/4	394.88	3/4	62.05	3/4	3/4	3/4	3/4	3/4	3/4
3	2,205.09	3	1,840.55	3	1,476.08	3	1,115.39	3	751.87	3	387.29	3	59.55	3	3	3	3	3	3
1 1/4	2,197.50	1 1/4	1,832.95	1 1/4	1,468.56	1 1/4	1,107.82	1 1/4	744.28	1 1/4	379.69	1 1/4	57.05	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,189.91	1 1/2	1,825.36	1 1/2	1,461.05	1 1/2	1,100.26	1 1/2	736.68	1 1/2	372.10	1 1/2	54.56	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,182.31	3/4	1,817.76	3/4	1,453.54	3/4	1,092.69	3/4	729.09	3/4	364.50	3/4	52.06	3/4	3/4	3/4	3/4	3/4	3/4
4	2,174.72	4	1,810.17	4	1,446.10	4	1,085.12	4	721.49	4	356.91	4	50.86	4	4	4	4	4	4
1 1/4	2,167.12	1 1/4	1,802.57	1 1/4	1,438.67	1 1/4	1,077.56	1 1/4	713.90	1 1/4	349.31	1 1/4	49.67	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,159.53	1 1/2	1,794.98	1 1/2	1,431.24	1 1/2	1,069.99	1 1/2	706.30	1 1/2	341.72	1 1/2	48.47	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,151.93	3/4	1,787.38	3/4	1,423.81	3/4	1,062.42	3/4	698.70	3/4	334.12	3/4	47.27	3/4	3/4	3/4	3/4	3/4	3/4
5	2,144.34	5	1,779.79	5	1,416.37	5	1,054.86	5	691.11	5	326.52	5		5	5	5	5	5	5
1 1/4	2,136.74	1 1/4	1,772.19	1 1/4	1,408.94	1 1/4	1,047.29	1 1/4	683.51	1 1/4	318.93	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,129.15	1 1/2	1,764.60	1 1/2	1,401.51	1 1/2	1,039.72	1 1/2	675.92	1 1/2	311.33	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,121.55	3/4	1,757.00	3/4	1,394.07	3/4	1,032.16	3/4	668.32	3/4	303.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,113.96	6	1,749.41	6	1,386.64	6	1,024.59	6	660.73	6	296.14	6		6	6	6	6	6	6
1 1/4	2,106.36	1 1/4	1,741.82	1 1/4	1,379.21	1 1/4	1,017.02	1 1/4	653.13	1 1/4	288.55	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,098.77	1 1/2	1,734.22	1 1/2	1,371.78	1 1/2	1,009.46	1 1/2	645.54	1 1/2	280.95	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,091.18	3/4	1,726.63	3/4	1,364.34	3/4	1,001.89	3/4	637.94	3/4	273.36	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,083.58	7	1,719.03	7	1,356.91	7	994.33	7	630.35	7	265.76	7		7	7	7	7	7	7
1 1/4	2,075.99	1 1/4	1,711.44	1 1/4	1,349.48	1 1/4	986.76	1 1/4	622.75	1 1/4	258.16	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,068.39	1 1/2	1,703.84	1 1/2	1,342.04	1 1/2	979.19	1 1/2	615.16	1 1/2	250.57	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,060.80	3/4	1,696.25	3/4	1,334.61	3/4	971.63	3/4	607.56	3/4	242.97	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,053.20	8	1,688.65	8	1,327.18	8	964.06	8	599.97	8	235.38	8		8	8	8	8	8	8
1 1/4	2,045.61	1 1/4	1,681.06	1 1/4	1,319.74	1 1/4	956.49	1 1/4	592.37	1 1/4	227.78	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,038.01	1 1/2	1,673.46	1 1/2	1,312.31	1 1/2	948.93	1 1/2	584.78	1 1/2	220.19	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,030.42	3/4	1,665.87	3/4	1,304.88	3/4	941.36	3/4	577.18	3/4	212.59	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,022.82	9	1,658.27	9	1,297.36	9	933.80	9	569.58	9	204.99	9		9	9	9	9	9	9
1 1/4	2,015.23	1 1/4	1,650.68	1 1/4	1,289.85	1 1/4	926.23	1 1/4	561.99	1 1/4	197.40	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,007.64	1 1/2	1,643.08	1 1/2	1,282.33	1 1/2	918.66	1 1/2	554.39	1 1/2	189.80	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,000.04	3/4	1,635.49	3/4	1,274.82	3/4	911.10	3/4	546.80	3/4	182.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,992.45	10	1,627.89	10	1,267.22	10	903.53	10	539.20	10	174.61	10		10	10	10	10	10	10
1 1/4	1,984.85	1 1/4	1,620.30	1 1/4	1,259.63	1 1/4	895.96	1 1/4	531.61	1 1/4	167.02	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,977.26	1 1/2	1,612.70	1 1/2	1,252.03	1 1/2	888.40	1 1/2	524.01	1 1/2	159.42	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,969.66	3/4	1,605.11	3/4	1,244.44	3/4	880.83	3/4	516.41	3/4	151.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,962.07	11	1,597.51	11	1,236.84	11	873.26	11	508.82	11	144.55	11		11	11	11	11	11	11
1 1/4	1,954.47	1 1/4	1,589.92	1 1/4	1,229.25	1 1/4	865.69	1 1/4	501.22	1 1/4	137.27	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,946.88	1 1/2	1,582.32	1 1/2	1,221.65	1 1/2	858.13	1 1/2	493.63	1 1/2	129.99	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,939.28	3/4	1,574.73	3/4	1,214.06	3/4	850.56	3/4	486.03	3/4	122.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4

STRAPPED: 05/16/2011 CL - SW
CALCULATED: 05/18/2011 CL
PRINTED: 05/18/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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