



BARGE "KIRBY 30081"

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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 237'-06"

June 21, 2017

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

<http://www.pmacorp.net>



BARGE "KIRBY 30081"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3012"

GAUGE HEIGHT 15-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	5,054.64	0	4,758.93	0	4,401.04	0	4,043.15	0	3,685.26	0	3,327.37	0	2,969.48	0	2,611.60	0	2,253.71
1/4		1/4	5,053.79	1/4	4,751.47	1/4	4,393.58	1/4	4,035.69	1/4	3,677.81	1/4	3,319.92	1/4	2,962.03	1/4	2,604.14	1/4	2,246.25
1/2		1/2	5,051.76	1/2	4,744.02	1/2	4,386.12	1/2	4,028.23	1/2	3,670.35	1/2	3,312.46	1/2	2,954.57	1/2	2,596.68	1/2	2,238.80
3/4		3/4	5,049.73	3/4	4,736.56	3/4	4,378.67	3/4	4,020.78	3/4	3,662.89	3/4	3,305.00	3/4	2,947.12	3/4	2,589.23	3/4	2,231.34
1		1	5,047.69	1	4,729.11	1	4,371.21	1	4,013.32	1	3,655.44	1	3,297.55	1	2,939.66	1	2,581.77	1	2,223.89
1/4		1/4	5,045.66	1/4	4,721.65	1/4	4,363.76	1/4	4,005.87	1/4	3,647.98	1/4	3,290.09	1/4	2,932.21	1/4	2,574.32	1/4	2,216.43
1/2		1/2	5,042.27	1/2	4,714.19	1/2	4,356.30	1/2	3,998.41	1/2	3,640.52	1/2	3,282.63	1/2	2,924.75	1/2	2,566.86	1/2	2,208.98
3/4		3/4	5,038.89	3/4	4,706.74	3/4	4,348.84	3/4	3,990.96	3/4	3,633.07	3/4	3,275.18	3/4	2,917.29	3/4	2,559.40	3/4	2,201.52
2		2	5,035.50	2	4,699.28	2	4,341.39	2	3,983.50	2	3,625.61	2	3,267.72	2	2,909.84	2	2,551.95	2	2,194.07
1/4		1/4	5,032.11	1/4	4,691.82	1/4	4,333.93	1/4	3,976.05	1/4	3,618.16	1/4	3,260.27	1/4	2,902.38	1/4	2,544.49	1/4	2,186.61
1/2		1/2	5,027.37	1/2	4,684.36	1/2	4,326.47	1/2	3,968.59	1/2	3,610.70	1/2	3,252.81	1/2	2,894.92	1/2	2,537.03	1/2	2,179.15
3/4		3/4	5,022.62	3/4	4,676.91	3/4	4,319.02	3/4	3,961.13	3/4	3,603.24	3/4	3,245.36	3/4	2,887.47	3/4	2,529.58	3/4	2,171.70
3		3	5,017.88	3	4,669.45	3	4,311.56	3	3,953.68	3	3,595.79	3	3,237.90	3	2,880.01	3	2,522.13	3	2,164.24
1/4		1/4	5,013.13	1/4	4,662.00	1/4	4,304.11	1/4	3,946.22	1/4	3,588.33	1/4	3,230.45	1/4	2,872.56	1/4	2,514.67	1/4	2,156.78
1/2		1/2	5,007.03	1/2	4,654.54	1/2	4,296.65	1/2	3,938.76	1/2	3,580.87	1/2	3,222.99	1/2	2,865.10	1/2	2,507.22	1/2	2,149.33
3/4		3/4	5,000.93	3/4	4,647.08	3/4	4,289.20	3/4	3,931.31	3/4	3,573.42	3/4	3,215.53	3/4	2,857.64	3/4	2,499.76	3/4	2,141.87
4		4	4,994.82	4	4,639.63	4	4,281.74	4	3,923.85	4	3,565.96	4	3,208.08	4	2,850.19	4	2,492.31	4	2,134.42
1/4		1/4	4,988.72	1/4	4,632.17	1/4	4,274.29	1/4	3,916.40	1/4	3,558.51	1/4	3,200.62	1/4	2,842.73	1/4	2,484.85	1/4	2,126.96
1/2		1/2	4,981.60	1/2	4,624.71	1/2	4,266.83	1/2	3,908.94	1/2	3,551.05	1/2	3,193.16	1/2	2,835.27	1/2	2,477.39	1/2	2,119.50
3/4		3/4	4,974.48	3/4	4,617.26	3/4	4,259.37	3/4	3,901.48	3/4	3,543.60	3/4	3,185.71	3/4	2,827.82	3/4	2,469.94	3/4	2,112.05
5		5	4,967.36	5	4,609.80	5	4,251.92	5	3,894.03	5	3,536.14	5	3,178.25	5	2,820.36	5	2,462.48	5	2,104.59
1/4		1/4	4,960.24	1/4	4,602.35	1/4	4,244.46	1/4	3,886.57	1/4	3,528.69	1/4	3,170.80	1/4	2,812.91	1/4	2,455.02	1/4	2,097.13
1/2		1/2	4,952.79	1/2	4,594.89	1/2	4,237.00	1/2	3,879.11	1/2	3,521.23	1/2	3,163.34	1/2	2,805.45	1/2	2,447.57	1/2	2,089.68
3/4		3/4	4,945.33	3/4	4,587.44	3/4	4,229.55	3/4	3,871.66	3/4	3,513.77	3/4	3,155.88	3/4	2,798.00	3/4	2,440.11	3/4	2,082.22
6		6	4,937.88	6	4,579.98	6	4,222.09	6	3,864.20	6	3,506.32	6	3,148.43	6	2,790.54	6	2,432.66	6	2,074.77
1/4		1/4	4,930.42	1/4	4,572.53	1/4	4,214.64	1/4	3,856.75	1/4	3,498.86	1/4	3,140.97	1/4	2,783.09	1/4	2,425.20	1/4	2,067.31
1/2		1/2	4,922.96	1/2	4,565.07	1/2	4,207.18	1/2	3,849.29	1/2	3,491.40	1/2	3,133.51	1/2	2,775.63	1/2	2,417.74	1/2	2,059.86
3/4		3/4	4,915.51	3/4	4,557.61	3/4	4,199.72	3/4	3,841.84	3/4	3,483.95	3/4	3,126.06	3/4	2,768.17	3/4	2,410.29	3/4	2,052.40
7		7	4,908.05	7	4,550.16	7	4,192.27	7	3,834.38	7	3,476.49	7	3,118.60	7	2,760.72	7	2,402.83	7	2,044.95
1/4		1/4	4,900.59	1/4	4,542.70	1/4	4,184.81	1/4	3,826.93	1/4	3,469.04	1/4	3,111.15	1/4	2,753.26	1/4	2,395.37	1/4	2,037.49
1/2		1/2	4,893.14	1/2	4,535.24	1/2	4,177.35	1/2	3,819.47	1/2	3,461.58	1/2	3,103.69	1/2	2,745.80	1/2	2,387.92	1/2	2,030.03
3/4		3/4	4,885.68	3/4	4,527.79	3/4	4,169.90	3/4	3,812.01	3/4	3,454.12	3/4	3,096.24	3/4	2,738.35	3/4	2,380.46	3/4	2,022.58
8		8	4,878.23	8	4,520.33	8	4,162.44	8	3,804.56	8	3,446.67	8	3,088.78	8	2,730.89	8	2,373.01	8	2,015.12
1/4		1/4	4,870.77	1/4	4,512.88	1/4	4,154.99	1/4	3,797.10	1/4	3,439.21	1/4	3,081.33	1/4	2,723.44	1/4	2,365.55	1/4	2,007.66
1/2		1/2	4,863.31	1/2	4,505.42	1/2	4,147.53	1/2	3,789.64	1/2	3,431.75	1/2	3,073.87	1/2	2,715.98	1/2	2,358.10	1/2	2,000.21
3/4		3/4	4,855.86	3/4	4,497.96	3/4	4,140.08	3/4	3,782.19	3/4	3,424.30	3/4	3,066.41	3/4	2,708.52	3/4	2,350.64	3/4	1,992.75
9		9	4,848.40	9	4,490.51	9	4,132.62	9	3,774.73	9	3,416.84	9	3,058.96	9	2,701.07	9	2,343.19	9	1,985.30
1/4		1/4	4,840.94	1/4	4,483.05	1/4	4,125.17	1/4	3,767.28	1/4	3,409.39	1/4	3,051.50	1/4	2,693.61	1/4	2,335.73	1/4	1,977.84
1/2		1/2	4,833.49	1/2	4,475.59	1/2	4,117.71	1/2	3,759.82	1/2	3,401.93	1/2	3,044.04	1/2	2,686.15	1/2	2,328.27	1/2	1,970.38
3/4		3/4	4,826.03	3/4	4,468.14	3/4	4,110.25	3/4	3,752.36	3/4	3,394.48	3/4	3,036.59	3/4	2,678.70	3/4	2,320.82	3/4	1,962.93
10		10	4,818.58	10	4,460.68	10	4,102.80	10	3,744.91	10	3,387.02	10	3,029.13	10	2,671.24	10	2,313.36	10	1,955.47
1/4		1/4	4,811.12	1/4	4,453.23	1/4	4,095.34	1/4	3,737.45	1/4	3,379.57	1/4	3,021.68	1/4	2,663.79	1/4	2,305.90	1/4	1,948.01
1/2		1/2	4,803.67	1/2	4,445.77	1/2	4,087.88	1/2	3,729.99	1/2	3,372.11	1/2	3,014.22	1/2	2,656.33	1/2	2,298.45	1/2	1,940.56
3/4		3/4	4,796.21	3/4	4,438.32	3/4	4,080.43	3/4	3,722.54	3/4	3,364.65	3/4	3,006.76	3/4	2,648.88	3/4	2,290.99	3/4	1,933.10
11		11	4,788.76	11	4,430.86	11	4,072.97	11	3,715.08	11	3,357.20	11	2,999.31	11	2,641.42	11	2,283.54	11	1,925.65
1/4	5,057.17	1/4	4,781.30	1/4	4,423.41	1/4	4,065.52	1/4	3,707.63	1/4	3,349.74	1/4	2,991.85	1/4	2,633.97	1/4	2,276.08	1/4	1,918.19
1/2	5,056.33	1/2	4,773.84	1/2	4,415.95	1/2	4,058.06	1/2	3,700.17	1/2	3,342.28	1/2	2,984.39	1/2	2,626.51	1/2	2,268.62	1/2	1,910.74
3/4	5,055.48	3/4	4,766.39	3/4	4,408.49	3/4	4,050.60	3/4	3,692.72	3/4	3,334.83	3/4	2,976.94	3/4	2,619.05	3/4	2,261.17	3/4	1,903.28

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
GAUGE POINT: RIM OF 2" DIA. BALL VALVE LOCATED NEAR CENTER OF TANK.

PRECISION MEASUREMENT
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BARGE "KIRBY 30081"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3012"

GAUGE HEIGHT 15-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,895.83	0	1,537.94	0	1,180.05	0	821.93	0	464.31	0	130.57	0		0		0		0	
1/4	1,888.37	1/4	1,530.48	1/4	1,172.59	1/4	814.46	1/4	456.96	1/4	124.04	1/4		1/4	1/4		1/4		1/4
1/2	1,880.91	1/2	1,523.02	1/2	1,165.14	1/2	807.00	1/2	449.62	1/2	117.51	1/2		1/2	1/2		1/2		1/2
3/4	1,873.46	3/4	1,515.57	3/4	1,157.68	3/4	799.54	3/4	442.28	3/4	110.99	3/4		3/4	3/4		3/4		3/4
1	1,866.00	1	1,508.11	1	1,150.23	1	792.07	1	434.93	1	104.46	1		1		1		1	
1/4	1,858.54	1/4	1,500.65	1/4	1,142.77	1/4	784.61	1/4	427.59	1/4	97.93	1/4		1/4	1/4		1/4		1/4
1/2	1,851.09	1/2	1,493.20	1/2	1,135.31	1/2	777.15	1/2	420.35	1/2	91.51	1/2		1/2	1/2		1/2		1/2
3/4	1,843.63	3/4	1,485.74	3/4	1,127.86	3/4	769.69	3/4	413.11	3/4	85.08	3/4		3/4	3/4		3/4		3/4
2	1,836.18	2	1,478.29	2	1,120.40	2	762.22	2	405.86	2	78.66	2		2		2		2	
1/4	1,828.72	1/4	1,470.83	1/4	1,112.94	1/4	754.76	1/4	398.62	1/4	72.23	1/4		1/4	1/4		1/4		1/4
1/2	1,821.26	1/2	1,463.38	1/2	1,105.49	1/2	747.30	1/2	391.48	1/2	66.58	1/2		1/2	1/2		1/2		1/2
3/4	1,813.81	3/4	1,455.92	3/4	1,098.03	3/4	739.84	3/4	384.35	3/4	60.93	3/4		3/4	3/4		3/4		3/4
3	1,806.35	3	1,448.47	3	1,090.58	3	732.37	3	377.21	3	55.27	3		3		3		3	
1/4	1,798.89	1/4	1,441.01	1/4	1,083.12	1/4	724.91	1/4	370.07	1/4	49.62	1/4		1/4	1/4		1/4		1/4
1/2	1,791.44	1/2	1,433.55	1/2	1,075.66	1/2	717.45	1/2	362.93	1/2	44.91	1/2		1/2	1/2		1/2		1/2
3/4	1,783.98	3/4	1,426.10	3/4	1,068.20	3/4	709.99	3/4	355.79	3/4	40.19	3/4		3/4	3/4		3/4		3/4
4	1,776.53	4	1,418.64	4	1,060.74	4	702.52	4	348.65	4	35.48	4		4		4		4	
1/4	1,769.07	1/4	1,411.18	1/4	1,053.28	1/4	695.06	1/4	341.51	1/4	30.76	1/4		1/4	1/4		1/4		1/4
1/2	1,761.62	1/2	1,403.73	1/2	1,045.82	1/2	687.60	1/2	334.47	1/2	27.22	1/2		1/2	1/2		1/2		1/2
3/4	1,754.16	3/4	1,396.27	3/4	1,038.36	3/4	680.13	3/4	327.44	3/4	23.68	3/4		3/4	3/4		3/4		3/4
5	1,746.71	5	1,388.82	5	1,030.89	5	672.67	5	320.40	5	20.13	5		5		5		5	
1/4	1,739.25	1/4	1,381.36	1/4	1,023.43	1/4	665.20	1/4	313.36	1/4	16.59	1/4		1/4	1/4		1/4		1/4
1/2	1,731.79	1/2	1,373.90	1/2	1,015.97	1/2	657.74	1/2	306.42	1/2		1/2		1/2	1/2		1/2		1/2
3/4	1,724.34	3/4	1,366.45	3/4	1,008.51	3/4	650.28	3/4	299.49	3/4		3/4		3/4	3/4		3/4		3/4
6	1,716.88	6	1,358.99	6	1,001.04	6	642.81	6	292.55	6		6		6		6		6	
1/4	1,709.42	1/4	1,351.53	1/4	993.58	1/4	635.35	1/4	285.61	1/4		1/4		1/4	1/4		1/4		1/4
1/2	1,701.97	1/2	1,344.08	1/2	986.12	1/2	986.12	1/2	278.67	1/2		1/2		1/2	1/2		1/2		1/2
3/4	1,694.51	3/4	1,336.62	3/4	978.65	3/4	620.43	3/4	271.74	3/4		3/4		3/4	3/4		3/4		3/4
7	1,687.06	7	1,329.17	7	971.19	7	612.96	7	264.80	7		7		7		7		7	
1/4	1,679.60	1/4	1,321.71	1/4	963.72	1/4	605.50	1/4	257.86	1/4		1/4		1/4	1/4		1/4		1/4
1/2	1,672.14	1/2	1,314.26	1/2	956.26	1/2	598.04	1/2	251.03	1/2		1/2		1/2	1/2		1/2		1/2
3/4	1,664.69	3/4	1,306.80	3/4	948.80	3/4	590.58	3/4	244.19	3/4		3/4		3/4	3/4		3/4		3/4
8	1,657.23	8	1,299.35	8	941.33	8	583.11	8	237.36	8		8		8		8		8	
1/4	1,649.77	1/4	1,291.89	1/4	933.87	1/4	575.65	1/4	230.52	1/4		1/4		1/4	1/4		1/4		1/4
1/2	1,642.32	1/2	1,284.43	1/2	926.41	1/2	568.19	1/2	223.79	1/2		1/2		1/2	1/2		1/2		1/2
3/4	1,634.86	3/4	1,276.98	3/4	918.95	3/4	560.73	3/4	217.06	3/4		3/4		3/4	3/4		3/4		3/4
9	1,627.41	9	1,269.52	9	911.48	9	553.26	9	210.33	9		9		9		9		9	
1/4	1,619.95	1/4	1,262.06	1/4	904.02	1/4	545.80	1/4	203.60	1/4		1/4		1/4	1/4		1/4		1/4
1/2	1,612.50	1/2	1,254.61	1/2	896.56	1/2	538.34	1/2	196.87	1/2		1/2		1/2	1/2		1/2		1/2
3/4	1,605.04	3/4	1,247.15	3/4	889.10	3/4	530.87	3/4	190.14	3/4		3/4		3/4	3/4		3/4		3/4
10	1,597.59	10	1,239.70	10	881.63	10	523.41	10	183.40	10		10		10		10		10	
1/4	1,590.13	1/4	1,232.24	1/4	874.17	1/4	515.94	1/4	176.67	1/4		1/4		1/4	1/4		1/4		1/4
1/2	1,582.67	1/2	1,224.78	1/2	866.71	1/2	508.54	1/2	170.04	1/2		1/2		1/2	1/2		1/2		1/2
3/4	1,575.22	3/4	1,217.33	3/4	859.25	3/4	501.14	3/4	163.41	3/4		3/4		3/4	3/4		3/4		3/4
11	1,567.76	11	1,209.87	11	851.78	11	493.74	11	156.78	11		11		11		11		11	
1/4	1,560.30	1/4	1,202.41	1/4	844.32	1/4	486.34	1/4	150.15	1/4		1/4		1/4	1/4		1/4		1/4
1/2	1,552.85	1/2	1,194.96	1/2	836.86	1/2	479.00	1/2	143.62	1/2		1/2		1/2	1/2		1/2		1/2
3/4	1,545.39	3/4	1,187.50	3/4	829.39	3/4	471.65	3/4	137.10	3/4		3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 03/30/2017 SW
DECK MEASUREMENTS 06/20/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

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



BARGE "KIRBY 30081"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3012"

GAUGE HEIGHT 15-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	5,054.64	0	4,758.93	0	4,401.04	0	4,043.15	0	3,685.26	0	3,327.37	0	2,969.48	0	2,611.60	0	2,253.71
1/4		1/4	5,053.79	1/4	4,751.47	1/4	4,393.58	1/4	4,035.69	1/4	3,677.81	1/4	3,319.92	1/4	2,962.03	1/4	2,604.14	1/4	2,246.25
1/2		1/2	5,051.76	1/2	4,744.02	1/2	4,386.12	1/2	4,028.23	1/2	3,670.35	1/2	3,312.46	1/2	2,954.57	1/2	2,596.68	1/2	2,238.80
3/4		3/4	5,049.73	3/4	4,736.56	3/4	4,378.67	3/4	4,020.78	3/4	3,662.89	3/4	3,305.00	3/4	2,947.12	3/4	2,589.23	3/4	2,231.34
1		1	5,047.69	1	4,729.11	1	4,371.21	1	4,013.32	1	3,655.44	1	3,297.55	1	2,939.66	1	2,581.77	1	2,223.89
1/4		1/4	5,045.66	1/4	4,721.65	1/4	4,363.76	1/4	4,005.87	1/4	3,647.98	1/4	3,290.09	1/4	2,932.21	1/4	2,574.32	1/4	2,216.43
1/2		1/2	5,042.27	1/2	4,714.19	1/2	4,356.30	1/2	3,998.41	1/2	3,640.52	1/2	3,282.63	1/2	2,924.75	1/2	2,566.86	1/2	2,208.98
3/4		3/4	5,038.89	3/4	4,706.74	3/4	4,348.84	3/4	3,990.96	3/4	3,633.07	3/4	3,275.18	3/4	2,917.29	3/4	2,559.40	3/4	2,201.52
2		2	5,035.50	2	4,699.28	2	4,341.39	2	3,983.50	2	3,625.61	2	3,267.72	2	2,909.84	2	2,551.95	2	2,194.07
1/4		1/4	5,032.11	1/4	4,691.82	1/4	4,333.93	1/4	3,976.05	1/4	3,618.16	1/4	3,260.27	1/4	2,902.38	1/4	2,544.49	1/4	2,186.61
1/2		1/2	5,027.37	1/2	4,684.36	1/2	4,326.47	1/2	3,968.59	1/2	3,610.70	1/2	3,252.81	1/2	2,894.92	1/2	2,537.03	1/2	2,179.15
3/4		3/4	5,022.62	3/4	4,676.91	3/4	4,319.02	3/4	3,961.13	3/4	3,603.24	3/4	3,245.36	3/4	2,887.47	3/4	2,529.58	3/4	2,171.70
3		3	5,017.88	3	4,669.45	3	4,311.56	3	3,953.68	3	3,595.79	3	3,237.90	3	2,880.01	3	2,522.13	3	2,164.24
1/4		1/4	5,013.13	1/4	4,662.00	1/4	4,304.11	1/4	3,946.22	1/4	3,588.33	1/4	3,230.45	1/4	2,872.56	1/4	2,514.67	1/4	2,156.78
1/2		1/2	5,007.03	1/2	4,654.54	1/2	4,296.65	1/2	3,938.76	1/2	3,580.87	1/2	3,222.99	1/2	2,865.10	1/2	2,507.22	1/2	2,149.33
3/4		3/4	5,000.93	3/4	4,647.08	3/4	4,289.20	3/4	3,931.31	3/4	3,573.42	3/4	3,215.53	3/4	2,857.64	3/4	2,499.76	3/4	2,141.87
4		4	4,994.82	4	4,639.63	4	4,281.74	4	3,923.85	4	3,565.96	4	3,208.08	4	2,850.19	4	2,492.31	4	2,134.42
1/4		1/4	4,988.72	1/4	4,632.17	1/4	4,274.29	1/4	3,916.40	1/4	3,558.51	1/4	3,200.62	1/4	2,842.73	1/4	2,484.85	1/4	2,126.96
1/2		1/2	4,981.60	1/2	4,624.71	1/2	4,266.83	1/2	3,908.94	1/2	3,551.05	1/2	3,193.16	1/2	2,835.27	1/2	2,477.39	1/2	2,119.50
3/4		3/4	4,974.48	3/4	4,617.26	3/4	4,259.37	3/4	3,901.48	3/4	3,543.60	3/4	3,185.71	3/4	2,827.82	3/4	2,469.94	3/4	2,112.05
5		5	4,967.36	5	4,609.80	5	4,251.92	5	3,894.03	5	3,536.14	5	3,178.25	5	2,820.36	5	2,462.48	5	2,104.59
1/4		1/4	4,960.24	1/4	4,602.35	1/4	4,244.46	1/4	3,886.57	1/4	3,528.69	1/4	3,170.80	1/4	2,812.91	1/4	2,455.02	1/4	2,097.13
1/2		1/2	4,952.79	1/2	4,594.89	1/2	4,237.00	1/2	3,879.11	1/2	3,521.23	1/2	3,163.34	1/2	2,805.45	1/2	2,447.57	1/2	2,089.68
3/4		3/4	4,945.33	3/4	4,587.44	3/4	4,229.55	3/4	3,871.66	3/4	3,513.77	3/4	3,155.88	3/4	2,798.00	3/4	2,440.11	3/4	2,082.22
6		6	4,937.88	6	4,579.98	6	4,222.09	6	3,864.20	6	3,506.32	6	3,148.43	6	2,790.54	6	2,432.66	6	2,074.77
1/4		1/4	4,930.42	1/4	4,572.53	1/4	4,214.64	1/4	3,856.75	1/4	3,498.86	1/4	3,140.97	1/4	2,783.09	1/4	2,425.20	1/4	2,067.31
1/2		1/2	4,922.96	1/2	4,565.07	1/2	4,207.18	1/2	3,849.29	1/2	3,491.40	1/2	3,133.51	1/2	2,775.63	1/2	2,417.74	1/2	2,059.86
3/4		3/4	4,915.51	3/4	4,557.61	3/4	4,199.72	3/4	3,841.84	3/4	3,483.95	3/4	3,126.06	3/4	2,768.17	3/4	2,410.29	3/4	2,052.40
7		7	4,908.05	7	4,550.16	7	4,192.27	7	3,834.38	7	3,476.49	7	3,118.60	7	2,760.72	7	2,402.83	7	2,044.95
1/4		1/4	4,900.59	1/4	4,542.70	1/4	4,184.81	1/4	3,826.93	1/4	3,469.04	1/4	3,111.15	1/4	2,753.26	1/4	2,395.37	1/4	2,037.49
1/2		1/2	4,893.14	1/2	4,535.24	1/2	4,177.35	1/2	3,819.47	1/2	3,461.58	1/2	3,103.69	1/2	2,745.80	1/2	2,387.92	1/2	2,030.03
3/4		3/4	4,885.68	3/4	4,527.79	3/4	4,169.90	3/4	3,812.01	3/4	3,454.12	3/4	3,096.24	3/4	2,738.35	3/4	2,380.46	3/4	2,022.58
8		8	4,878.23	8	4,520.33	8	4,162.44	8	3,804.56	8	3,446.67	8	3,088.78	8	2,730.89	8	2,373.01	8	2,015.12
1/4		1/4	4,870.77	1/4	4,512.88	1/4	4,154.99	1/4	3,797.10	1/4	3,439.21	1/4	3,081.33	1/4	2,723.44	1/4	2,365.55	1/4	2,007.66
1/2		1/2	4,863.31	1/2	4,505.42	1/2	4,147.53	1/2	3,789.64	1/2	3,431.75	1/2	3,073.87	1/2	2,715.98	1/2	2,358.10	1/2	2,000.21
3/4		3/4	4,855.86	3/4	4,497.96	3/4	4,140.08	3/4	3,782.19	3/4	3,424.30	3/4	3,066.41	3/4	2,708.52	3/4	2,350.64	3/4	1,992.75
9		9	4,848.40	9	4,490.51	9	4,132.62	9	3,774.73	9	3,416.84	9	3,058.96	9	2,701.07	9	2,343.19	9	1,985.30
1/4		1/4	4,840.94	1/4	4,483.05	1/4	4,125.17	1/4	3,767.28	1/4	3,409.39	1/4	3,051.50	1/4	2,693.61	1/4	2,335.73	1/4	1,977.84
1/2		1/2	4,833.49	1/2	4,475.59	1/2	4,117.71	1/2	3,759.82	1/2	3,401.93	1/2	3,044.04	1/2	2,686.15	1/2	2,328.27	1/2	1,970.38
3/4		3/4	4,826.03	3/4	4,468.14	3/4	4,110.25	3/4	3,752.36	3/4	3,394.48	3/4	3,036.59	3/4	2,678.70	3/4	2,320.82	3/4	1,962.93
10		10	4,818.58	10	4,460.68	10	4,102.80	10	3,744.91	10	3,387.02	10	3,029.13	10	2,671.24	10	2,313.36	10	1,955.47
1/4		1/4	4,811.12	1/4	4,453.23	1/4	4,095.34	1/4	3,737.45	1/4	3,379.57	1/4	3,021.68	1/4	2,663.79	1/4	2,305.90	1/4	1,948.01
1/2		1/2	4,803.67	1/2	4,445.77	1/2	4,087.88	1/2	3,729.99	1/2	3,372.11	1/2	3,014.22	1/2	2,656.33	1/2	2,298.45	1/2	1,940.56
3/4		3/4	4,796.21	3/4	4,438.32	3/4	4,080.43	3/4	3,722.54	3/4	3,364.65	3/4	3,006.76	3/4	2,648.88	3/4	2,290.99	3/4	1,933.10
11		11	4,788.76	11	4,430.86	11	4,072.97	11	3,715.08	11	3,357.20	11	2,999.31	11	2,641.42	11	2,283.54	11	1,925.65
1/4	5,057.17	1/4	4,781.30	1/4	4,423.41	1/4	4,065.52	1/4	3,707.63	1/4	3,349.74	1/4	2,991.85	1/4	2,633.97	1/4	2,276.08	1/4	1,918.19
1/2	5,056.33	1/2	4,773.84	1/2	4,415.95	1/2	4,058.06	1/2	3,700.17	1/2	3,342.28	1/2	2,984.39	1/2	2,626.51	1/2	2,268.62	1/2	1,910.74
3/4	5,055.48	3/4	4,766.39	3/4	4,408.49	3/4	4,050.60	3/4	3,692.72	3/4	3,334.83	3/4	2,976.94	3/4	2,619.05	3/4	2,261.17	3/4	1,903.28

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
GAUGE POINT: RIM OF 2" DIA. BALL VALVE LOCATED NEAR CENTER OF TANK.

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



BARGE "KIRBY 30081"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3012"

GAUGE HEIGHT 15-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,895.83	0	1,537.94	0	1,180.05	0	821.93	0	464.31	0	130.57	0		0		0		0	
1/4	1,888.37	1/4	1,530.48	1/4	1,172.59	1/4	814.46	1/4	456.96	1/4	124.04	1/4		1/4	1/4		1/4		1/4
1/2	1,880.91	1/2	1,523.02	1/2	1,165.14	1/2	807.00	1/2	449.62	1/2	117.51	1/2		1/2	1/2		1/2		1/2
3/4	1,873.46	3/4	1,515.57	3/4	1,157.68	3/4	799.54	3/4	442.28	3/4	110.99	3/4		3/4	3/4		3/4		3/4
1	1,866.00	1	1,508.11	1	1,150.23	1	792.07	1	434.93	1	104.46	1		1		1		1	
1/4	1,858.54	1/4	1,500.65	1/4	1,142.77	1/4	784.61	1/4	427.59	1/4	97.93	1/4		1/4	1/4		1/4		1/4
1/2	1,851.09	1/2	1,493.20	1/2	1,135.31	1/2	777.15	1/2	420.35	1/2	91.51	1/2		1/2	1/2		1/2		1/2
3/4	1,843.63	3/4	1,485.74	3/4	1,127.86	3/4	769.69	3/4	413.11	3/4	85.08	3/4		3/4	3/4		3/4		3/4
2	1,836.18	2	1,478.29	2	1,120.40	2	762.22	2	405.86	2	78.66	2		2		2		2	
1/4	1,828.72	1/4	1,470.83	1/4	1,112.94	1/4	754.76	1/4	398.62	1/4	72.23	1/4		1/4	1/4		1/4		1/4
1/2	1,821.26	1/2	1,463.38	1/2	1,105.49	1/2	747.30	1/2	391.48	1/2	66.58	1/2		1/2	1/2		1/2		1/2
3/4	1,813.81	3/4	1,455.92	3/4	1,098.03	3/4	739.84	3/4	384.35	3/4	60.93	3/4		3/4	3/4		3/4		3/4
3	1,806.35	3	1,448.47	3	1,090.58	3	732.37	3	377.21	3	55.27	3		3		3		3	
1/4	1,798.89	1/4	1,441.01	1/4	1,083.12	1/4	724.91	1/4	370.07	1/4	49.62	1/4		1/4	1/4		1/4		1/4
1/2	1,791.44	1/2	1,433.55	1/2	1,075.66	1/2	717.45	1/2	362.93	1/2	44.91	1/2		1/2	1/2		1/2		1/2
3/4	1,783.98	3/4	1,426.10	3/4	1,068.20	3/4	709.99	3/4	355.79	3/4	40.19	3/4		3/4	3/4		3/4		3/4
4	1,776.53	4	1,418.64	4	1,060.74	4	702.52	4	348.65	4	35.48	4		4		4		4	
1/4	1,769.07	1/4	1,411.18	1/4	1,053.28	1/4	695.06	1/4	341.51	1/4	30.76	1/4		1/4	1/4		1/4		1/4
1/2	1,761.62	1/2	1,403.73	1/2	1,045.82	1/2	687.60	1/2	334.47	1/2	27.22	1/2		1/2	1/2		1/2		1/2
3/4	1,754.16	3/4	1,396.27	3/4	1,038.36	3/4	680.13	3/4	327.44	3/4	23.68	3/4		3/4	3/4		3/4		3/4
5	1,746.71	5	1,388.82	5	1,030.89	5	672.67	5	320.40	5	20.13	5		5		5		5	
1/4	1,739.25	1/4	1,381.36	1/4	1,023.43	1/4	665.20	1/4	313.36	1/4	16.59	1/4		1/4	1/4		1/4		1/4
1/2	1,731.79	1/2	1,373.90	1/2	1,015.97	1/2	657.74	1/2	306.42	1/2		1/2		1/2	1/2		1/2		1/2
3/4	1,724.34	3/4	1,366.45	3/4	1,008.51	3/4	650.28	3/4	299.49	3/4		3/4		3/4	3/4		3/4		3/4
6	1,716.88	6	1,358.99	6	1,001.04	6	642.81	6	292.55	6		6		6		6		6	
1/4	1,709.42	1/4	1,351.53	1/4	993.58	1/4	635.35	1/4	285.61	1/4		1/4		1/4	1/4		1/4		1/4
1/2	1,701.97	1/2	1,344.08	1/2	986.12	1/2	627.89	1/2	278.67	1/2		1/2		1/2	1/2		1/2		1/2
3/4	1,694.51	3/4	1,336.62	3/4	978.65	3/4	620.43	3/4	271.74	3/4		3/4		3/4	3/4		3/4		3/4
7	1,687.06	7	1,329.17	7	971.19	7	612.96	7	264.80	7		7		7		7		7	
1/4	1,679.60	1/4	1,321.71	1/4	963.72	1/4	605.50	1/4	257.86	1/4		1/4		1/4	1/4		1/4		1/4
1/2	1,672.14	1/2	1,314.26	1/2	956.26	1/2	598.04	1/2	251.03	1/2		1/2		1/2	1/2		1/2		1/2
3/4	1,664.69	3/4	1,306.80	3/4	948.80	3/4	590.58	3/4	244.19	3/4		3/4		3/4	3/4		3/4		3/4
8	1,657.23	8	1,299.35	8	941.33	8	583.11	8	237.36	8		8		8		8		8	
1/4	1,649.77	1/4	1,291.89	1/4	933.87	1/4	575.65	1/4	230.52	1/4		1/4		1/4	1/4		1/4		1/4
1/2	1,642.32	1/2	1,284.43	1/2	926.41	1/2	568.19	1/2	223.79	1/2		1/2		1/2	1/2		1/2		1/2
3/4	1,634.86	3/4	1,276.98	3/4	918.95	3/4	560.73	3/4	217.06	3/4		3/4		3/4	3/4		3/4		3/4
9	1,627.41	9	1,269.52	9	911.48	9	553.26	9	210.33	9		9		9		9		9	
1/4	1,619.95	1/4	1,262.06	1/4	904.02	1/4	545.80	1/4	203.60	1/4		1/4		1/4	1/4		1/4		1/4
1/2	1,612.50	1/2	1,254.61	1/2	896.56	1/2	538.34	1/2	196.87	1/2		1/2		1/2	1/2		1/2		1/2
3/4	1,605.04	3/4	1,247.15	3/4	889.10	3/4	530.87	3/4	190.14	3/4		3/4		3/4	3/4		3/4		3/4
10	1,597.59	10	1,239.70	10	881.63	10	523.41	10	183.40	10		10		10		10		10	
1/4	1,590.13	1/4	1,232.24	1/4	874.17	1/4	515.94	1/4	176.67	1/4		1/4		1/4	1/4		1/4		1/4
1/2	1,582.67	1/2	1,224.78	1/2	866.71	1/2	508.54	1/2	170.04	1/2		1/2		1/2	1/2		1/2		1/2
3/4	1,575.22	3/4	1,217.33	3/4	859.25	3/4	501.14	3/4	163.41	3/4		3/4		3/4	3/4		3/4		3/4
11	1,567.76	11	1,209.87	11	851.78	11	493.74	11	156.78	11		11		11		11		11	
1/4	1,560.30	1/4	1,202.41	1/4	844.32	1/4	486.34	1/4	150.15	1/4		1/4		1/4	1/4		1/4		1/4
1/2	1,552.85	1/2	1,194.96	1/2	836.86	1/2	479.00	1/2	143.62	1/2		1/2		1/2	1/2		1/2		1/2
3/4	1,545.39	3/4	1,187.50	3/4	829.39	3/4	471.65	3/4	137.10	3/4		3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 03/30/2017 SW
DECK MEASUREMENTS 06/20/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

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



BARGE "KIRBY 30081"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3012"

GAUGE HEIGHT 15-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	5,119.03	0	4,822.07	0	4,462.54	0	4,103.03	0	3,743.51	0	3,383.99	0	3,024.47	0	2,664.95	0	2,305.43
1/4		1/4	5,118.19	1/4	4,814.58	1/4	4,455.05	1/4	4,095.54	1/4	3,736.02	1/4	3,376.50	1/4	3,016.98	1/4	2,657.46	1/4	2,297.94
1/2		1/2	5,116.16	1/2	4,807.09	1/2	4,447.56	1/2	4,088.05	1/2	3,728.53	1/2	3,369.01	1/2	3,009.49	1/2	2,649.97	1/2	2,290.45
3/4		3/4	5,114.12	3/4	4,799.60	3/4	4,440.08	3/4	4,080.56	3/4	3,721.04	3/4	3,361.52	3/4	3,002.00	3/4	2,642.48	3/4	2,282.96
1		1	5,112.09	1	4,792.11	1	4,432.59	1	4,073.07	1	3,713.55	1	3,354.03	1	2,994.51	1	2,634.99	1	2,275.47
1/4		1/4	5,110.05	1/4	4,784.62	1/4	4,425.10	1/4	4,065.58	1/4	3,706.06	1/4	3,346.54	1/4	2,987.02	1/4	2,627.50	1/4	2,267.98
1/2		1/2	5,106.65	1/2	4,777.13	1/2	4,417.61	1/2	4,058.09	1/2	3,698.57	1/2	3,339.05	1/2	2,979.53	1/2	2,620.01	1/2	2,260.49
3/4		3/4	5,103.25	3/4	4,769.64	3/4	4,410.12	3/4	4,050.60	3/4	3,691.08	3/4	3,331.56	3/4	2,972.04	3/4	2,612.52	3/4	2,253.00
2		2	5,099.85	2	4,762.15	2	4,402.63	2	4,043.11	2	3,683.59	2	3,324.07	2	2,964.55	2	2,605.03	2	2,245.51
1/4		1/4	5,096.45	1/4	4,754.66	1/4	4,395.14	1/4	4,035.62	1/4	3,676.10	1/4	3,316.58	1/4	2,957.06	1/4	2,597.54	1/4	2,238.02
1/2		1/2	5,091.69	1/2	4,747.17	1/2	4,387.65	1/2	4,028.13	1/2	3,668.61	1/2	3,309.09	1/2	2,949.57	1/2	2,590.05	1/2	2,230.53
3/4		3/4	5,086.93	3/4	4,739.68	3/4	4,380.16	3/4	4,020.64	3/4	3,661.12	3/4	3,301.60	3/4	2,942.08	3/4	2,582.56	3/4	2,223.04
3		3	5,082.16	3	4,732.19	3	4,372.67	3	4,013.15	3	3,653.63	3	3,294.11	3	2,934.59	3	2,575.07	3	2,215.55
1/4		1/4	5,077.40	1/4	4,724.70	1/4	4,365.18	1/4	4,005.66	1/4	3,646.14	1/4	3,286.62	1/4	2,927.10	1/4	2,567.58	1/4	2,208.06
1/2		1/2	5,071.28	1/2	4,717.21	1/2	4,357.69	1/2	3,998.17	1/2	3,638.65	1/2	3,279.13	1/2	2,919.61	1/2	2,560.09	1/2	2,200.57
3/4		3/4	5,065.15	3/4	4,709.72	3/4	4,350.20	3/4	3,990.68	3/4	3,631.16	3/4	3,271.64	3/4	2,912.12	3/4	2,552.60	3/4	2,193.08
4		4	5,059.03	4	4,702.23	4	4,342.71	4	3,983.19	4	3,623.67	4	3,264.15	4	2,904.63	4	2,545.11	4	2,185.59
1/4		1/4	5,052.90	1/4	4,694.74	1/4	4,335.22	1/4	3,975.70	1/4	3,616.18	1/4	3,256.66	1/4	2,897.14	1/4	2,537.62	1/4	2,178.10
1/2		1/2	5,045.75	1/2	4,687.25	1/2	4,327.73	1/2	3,968.21	1/2	3,608.69	1/2	3,249.17	1/2	2,889.65	1/2	2,530.13	1/2	2,170.61
3/4		3/4	5,038.60	3/4	4,679.76	3/4	4,320.24	3/4	3,960.72	3/4	3,601.20	3/4	3,241.68	3/4	2,882.16	3/4	2,522.64	3/4	2,163.12
5		5	5,031.45	5	4,672.27	5	4,312.75	5	3,953.23	5	3,593.71	5	3,234.19	5	2,874.67	5	2,515.15	5	2,155.63
1/4		1/4	5,024.30	1/4	4,664.78	1/4	4,305.26	1/4	3,945.74	1/4	3,586.22	1/4	3,226.70	1/4	2,867.18	1/4	2,507.66	1/4	2,148.14
1/2		1/2	5,016.81	1/2	4,657.29	1/2	4,297.77	1/2	3,938.25	1/2	3,578.73	1/2	3,219.21	1/2	2,859.69	1/2	2,500.17	1/2	2,140.65
3/4		3/4	5,009.32	3/4	4,649.80	3/4	4,290.28	3/4	3,930.75	3/4	3,571.24	3/4	3,211.72	3/4	2,852.20	3/4	2,492.68	3/4	2,133.16
6		6	5,001.83	6	4,642.31	6	4,282.79	6	3,923.26	6	3,563.75	6	3,204.23	6	2,844.71	6	2,485.19	6	2,125.67
1/4		1/4	4,994.34	1/4	4,634.82	1/4	4,275.30	1/4	3,915.76	1/4	3,556.26	1/4	3,196.74	1/4	2,837.22	1/4	2,477.70	1/4	2,118.18
1/2		1/2	4,986.85	1/2	4,627.33	1/2	4,267.81	1/2	3,908.28	1/2	3,548.77	1/2	3,189.25	1/2	2,829.73	1/2	2,470.21	1/2	2,110.69
3/4		3/4	4,979.36	3/4	4,619.84	3/4	4,260.32	3/4	3,900.79	3/4	3,541.28	3/4	3,181.76	3/4	2,822.24	3/4	2,462.72	3/4	2,103.20
7		7	4,971.87	7	4,612.35	7	4,252.83	7	3,893.31	7	3,533.79	7	3,174.27	7	2,814.75	7	2,455.23	7	2,095.71
1/4		1/4	4,964.38	1/4	4,604.86	1/4	4,245.34	1/4	3,885.82	1/4	3,526.30	1/4	3,166.78	1/4	2,807.26	1/4	2,447.74	1/4	2,088.22
1/2		1/2	4,956.89	1/2	4,597.37	1/2	4,237.85	1/2	3,878.33	1/2	3,518.81	1/2	3,159.29	1/2	2,799.77	1/2	2,440.25	1/2	2,080.73
3/4		3/4	4,949.40	3/4	4,589.88	3/4	4,230.36	3/4	3,870.84	3/4	3,511.32	3/4	3,151.80	3/4	2,792.28	3/4	2,432.76	3/4	2,073.24
8		8	4,941.91	8	4,582.39	8	4,222.87	8	3,863.35	8	3,503.83	8	3,144.31	8	2,784.79	8	2,425.27	8	2,065.75
1/4		1/4	4,934.42	1/4	4,574.90	1/4	4,215.38	1/4	3,855.86	1/4	3,496.34	1/4	3,136.82	1/4	2,777.30	1/4	2,417.78	1/4	2,058.26
1/2		1/2	4,926.93	1/2	4,567.41	1/2	4,207.89	1/2	3,848.37	1/2	3,488.85	1/2	3,129.33	1/2	2,769.81	1/2	2,410.29	1/2	2,050.77
3/4		3/4	4,919.44	3/4	4,559.92	3/4	4,200.40	3/4	3,840.88	3/4	3,481.36	3/4	3,121.84	3/4	2,762.32	3/4	2,402.80	3/4	2,043.28
9		9	4,911.95	9	4,552.43	9	4,192.91	9	3,833.39	9	3,473.87	9	3,114.35	9	2,754.83	9	2,395.31	9	2,035.79
1/4		1/4	4,904.46	1/4	4,544.94	1/4	4,185.42	1/4	3,825.90	1/4	3,466.38	1/4	3,106.86	1/4	2,747.34	1/4	2,387.82	1/4	2,028.30
1/2		1/2	4,896.97	1/2	4,537.45	1/2	4,177.94	1/2	3,818.41	1/2	3,458.89	1/2	3,099.37	1/2	2,739.85	1/2	2,380.33	1/2	2,020.81
3/4		3/4	4,889.48	3/4	4,529.96	3/4	4,170.45	3/4	3,810.92	3/4	3,451.40	3/4	3,091.88	3/4	2,732.36	3/4	2,372.84	3/4	2,013.32
10		10	4,881.99	10	4,522.47	10	4,162.97	10	3,803.43	10	3,443.91	10	3,084.39	10	2,724.87	10	2,365.35	10	2,005.83
1/4		1/4	4,874.50	1/4	4,514.98	1/4	4,155.48	1/4	3,795.94	1/4	3,436.42	1/4	3,076.90	1/4	2,717.38	1/4	2,357.86	1/4	1,998.34
1/2		1/2	4,867.01	1/2	4,507.49	1/2	4,147.99	1/2	3,788.45	1/2	3,428.93	1/2	3,069.41	1/2	2,709.89	1/2	2,350.37	1/2	1,990.85
3/4		3/4	4,859.52	3/4	4,500.00	3/4	4,140.49	3/4	3,780.96	3/4	3,421.44	3/4	3,061.92	3/4	2,702.40	3/4	2,342.88	3/4	1,983.36
11		11	4,852.03	11	4,492.51	11	4,133.00	11	3,773.47	11	3,413.95	11	3,054.43	11	2,694.91	11	2,335.39	11	1,975.87
1/4	5,121.56	1/4	4,844.54	1/4	4,485.02	1/4	4,125.50	1/4	3,765.98	1/4	3,406.46	1/4	3,046.94	1/4	2,687.42	1/4	2,327.90	1/4	1,968.38
1/2	5,120.72	1/2	4,837.05	1/2	4,477.53	1/2	4,118.01	1/2	3,758.49	1/2	3,398.97	1/2	3,039.45	1/2	2,679.93	1/2	2,320.41	1/2	1,960.89
3/4	5,119.88	3/4	4,829.56	3/4	4,470.04	3/4	4,110.52	3/4	3,751.00	3/4	3,391.48	3/4	3,031.96	3/4	2,672.44	3/4	2,312.92	3/4	1,953.40

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
GAUGE POINT: RIM OF 2" DIA. BALL VALVE LOCATED NEAR CENTER OF TANK.

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



BARGE "KIRBY 30081"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3012"

GAUGE HEIGHT 15-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,945.91	0	1,586.39	0	1,226.87	0	868.79	0	509.62	0	150.10	0		0		0		0	
1/4	1,938.42	1/4	1,578.90	1/4	1,219.38	1/4	861.33	1/4	502.13	1/4	142.61	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,930.93	1/2	1,571.41	1/2	1,211.91	1/2	853.87	1/2	494.64	1/2	135.12	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,923.44	3/4	1,563.92	3/4	1,204.44	3/4	846.42	3/4	487.15	3/4	127.63	3/4		3/4	3/4		3/4	3/4	3/4
1	1,915.95	1	1,556.43	1	1,196.96	1	838.96	1	479.66	1	120.14	1		1		1		1	
1/4	1,908.46	1/4	1,548.94	1/4	1,189.49	1/4	831.50	1/4	472.17	1/4	112.65	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,900.97	1/2	1,541.45	1/2	1,182.03	1/2	824.04	1/2	464.68	1/2	105.16	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,893.48	3/4	1,533.95	3/4	1,174.57	3/4	816.59	3/4	457.19	3/4	97.67	3/4		3/4	3/4		3/4	3/4	3/4
2	1,885.99	2	1,526.46	2	1,167.11	2	809.13	2	449.70	2	90.18	2		2		2		2	
1/4	1,878.50	1/4	1,518.96	1/4	1,159.65	1/4	801.67	1/4	442.21	1/4	82.69	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,871.01	1/2	1,511.48	1/2	1,152.19	1/2	794.20	1/2	434.72	1/2	75.20	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,863.52	3/4	1,503.99	3/4	1,144.74	3/4	786.72	3/4	427.23	3/4	67.71	3/4		3/4	3/4		3/4	3/4	3/4
3	1,856.03	3	1,496.51	3	1,137.28	3	779.25	3	419.74	3	60.22	3		3		3		3	
1/4	1,848.54	1/4	1,489.02	1/4	1,129.82	1/4	771.77	1/4	412.25	1/4	52.73	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,841.05	1/2	1,481.53	1/2	1,122.36	1/2	764.28	1/2	404.76	1/2	45.24	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,833.56	3/4	1,474.04	3/4	1,114.91	3/4	756.79	3/4	397.27	3/4	37.75	3/4		3/4	3/4		3/4	3/4	3/4
4	1,826.07	4	1,466.55	4	1,107.45	4	749.30	4	389.78	4	30.26	4		4		4		4	
1/4	1,818.58	1/4	1,459.06	1/4	1,099.99	1/4	741.81	1/4	382.29	1/4	22.77	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,811.09	1/2	1,451.57	1/2	1,092.53	1/2	734.32	1/2	374.80	1/2	15.28	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,803.60	3/4	1,444.08	3/4	1,085.08	3/4	726.83	3/4	367.31	3/4	7.79	3/4		3/4	3/4		3/4	3/4	3/4
5	1,796.11	5	1,436.59	5	1,077.62	5	719.34	5	359.82	5	0.30	5		5		5		5	
1/4	1,788.62	1/4	1,429.10	1/4	1,070.16	1/4	711.85	1/4	352.33	1/4	18.05	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,781.13	1/2	1,421.61	1/2	1,062.70	1/2	704.36	1/2	344.84	1/2	10.56	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,773.64	3/4	1,414.12	3/4	1,055.25	3/4	696.87	3/4	337.35	3/4	3.07	3/4		3/4	3/4		3/4	3/4	3/4
6	1,766.14	6	1,406.63	6	1,047.79	6	689.38	6	329.86	6	2.58	6		6		6		6	
1/4	1,758.65	1/4	1,399.14	1/4	1,040.33	1/4	681.89	1/4	322.37	1/4	1.50	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,751.16	1/2	1,391.65	1/2	1,032.87	1/2	674.40	1/2	314.88	1/2	0.51	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,743.68	3/4	1,384.16	3/4	1,025.41	3/4	666.91	3/4	307.39	3/4	0.02	3/4		3/4	3/4		3/4	3/4	3/4
7	1,736.19	7	1,376.67	7	1,017.95	7	659.42	7	299.90	7	0.03	7		7		7		7	
1/4	1,728.70	1/4	1,369.18	1/4	1,010.49	1/4	651.93	1/4	292.41	1/4	0.04	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,721.21	1/2	1,361.69	1/2	1,003.03	1/2	644.44	1/2	284.92	1/2	0.05	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,713.72	3/4	1,354.20	3/4	995.58	3/4	636.95	3/4	277.43	3/4	0.06	3/4		3/4	3/4		3/4	3/4	3/4
8	1,706.23	8	1,346.71	8	988.12	8	629.46	8	269.94	8	0.07	8		8		8		8	
1/4	1,698.74	1/4	1,339.22	1/4	980.66	1/4	621.97	1/4	262.45	1/4	0.08	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,691.25	1/2	1,331.73	1/2	973.20	1/2	614.48	1/2	254.96	1/2	0.09	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,683.76	3/4	1,324.24	3/4	965.75	3/4	606.99	3/4	247.47	3/4	0.10	3/4		3/4	3/4		3/4	3/4	3/4
9	1,676.27	9	1,316.75	9	958.29	9	599.50	9	239.98	9	0.11	9		9		9		9	
1/4	1,668.78	1/4	1,309.26	1/4	950.83	1/4	592.01	1/4	232.49	1/4	0.12	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,661.29	1/2	1,301.77	1/2	943.37	1/2	584.52	1/2	225.00	1/2	0.13	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,653.80	3/4	1,294.28	3/4	935.92	3/4	577.03	3/4	217.51	3/4	0.14	3/4		3/4	3/4		3/4	3/4	3/4
10	1,646.31	10	1,286.79	10	928.46	10	569.54	10	210.02	10	0.15	10		10		10		10	
1/4	1,638.82	1/4	1,279.30	1/4	921.00	1/4	562.05	1/4	202.53	1/4	0.16	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,631.33	1/2	1,271.81	1/2	913.54	1/2	554.56	1/2	195.04	1/2	0.17	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,623.84	3/4	1,264.32	3/4	906.09	3/4	547.07	3/4	187.55	3/4	0.18	3/4		3/4	3/4		3/4	3/4	3/4
11	1,616.35	11	1,256.83	11	898.63	11	539.58	11	180.06	11	0.19	11		11		11		11	
1/4	1,608.86	1/4	1,249.34	1/4	891.17	1/4	532.09	1/4	172.57	1/4	0.20	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,601.37	1/2	1,241.85	1/2	883.71	1/2	524.60	1/2	165.08	1/2	0.21	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,593.88	3/4	1,234.36	3/4	876.25	3/4	517.11	3/4	157.59	3/4	0.22	3/4		3/4	3/4		3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 03/30/2017 SW
DECK MEASUREMENTS 06/20/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

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



BARGE "KIRBY 30081"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3012"

GAUGE HEIGHT 15-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	5,119.03	0	4,822.07	0	4,462.54	0	4,103.03	0	3,743.51	0	3,383.99	0	3,024.47	0	2,664.95	0	2,305.43
1/4		1/4	5,118.19	1/4	4,814.58	1/4	4,455.05	1/4	4,095.54	1/4	3,736.02	1/4	3,376.50	1/4	3,016.98	1/4	2,657.46	1/4	2,297.94
1/2		1/2	5,116.16	1/2	4,807.09	1/2	4,447.56	1/2	4,088.05	1/2	3,728.53	1/2	3,369.01	1/2	3,009.49	1/2	2,649.97	1/2	2,290.45
3/4		3/4	5,114.12	3/4	4,799.60	3/4	4,440.08	3/4	4,080.56	3/4	3,721.04	3/4	3,361.52	3/4	3,002.00	3/4	2,642.48	3/4	2,282.96
1		1	5,112.09	1	4,792.11	1	4,432.59	1	4,073.07	1	3,713.55	1	3,354.03	1	2,994.51	1	2,634.99	1	2,275.47
1/4		1/4	5,110.05	1/4	4,784.62	1/4	4,425.10	1/4	4,065.58	1/4	3,706.06	1/4	3,346.54	1/4	2,987.02	1/4	2,627.50	1/4	2,267.98
1/2		1/2	5,106.65	1/2	4,777.13	1/2	4,417.61	1/2	4,058.09	1/2	3,698.57	1/2	3,339.05	1/2	2,979.53	1/2	2,620.01	1/2	2,260.49
3/4		3/4	5,103.25	3/4	4,769.64	3/4	4,410.12	3/4	4,050.60	3/4	3,691.08	3/4	3,331.56	3/4	2,972.04	3/4	2,612.52	3/4	2,253.00
2		2	5,099.85	2	4,762.15	2	4,402.63	2	4,043.11	2	3,683.59	2	3,324.07	2	2,964.55	2	2,605.03	2	2,245.51
1/4		1/4	5,096.45	1/4	4,754.66	1/4	4,395.14	1/4	4,035.62	1/4	3,676.10	1/4	3,316.58	1/4	2,957.06	1/4	2,597.54	1/4	2,238.02
1/2		1/2	5,091.69	1/2	4,747.17	1/2	4,387.65	1/2	4,028.13	1/2	3,668.61	1/2	3,309.09	1/2	2,949.57	1/2	2,590.05	1/2	2,230.53
3/4		3/4	5,086.93	3/4	4,739.68	3/4	4,380.16	3/4	4,020.64	3/4	3,661.12	3/4	3,301.60	3/4	2,942.08	3/4	2,582.56	3/4	2,223.04
3		3	5,082.16	3	4,732.19	3	4,372.67	3	4,013.15	3	3,653.63	3	3,294.11	3	2,934.59	3	2,575.07	3	2,215.55
1/4		1/4	5,077.40	1/4	4,724.70	1/4	4,365.18	1/4	4,005.66	1/4	3,646.14	1/4	3,286.62	1/4	2,927.10	1/4	2,567.58	1/4	2,208.06
1/2		1/2	5,071.28	1/2	4,717.21	1/2	4,357.69	1/2	3,998.17	1/2	3,638.65	1/2	3,279.13	1/2	2,919.61	1/2	2,560.09	1/2	2,200.57
3/4		3/4	5,065.15	3/4	4,709.72	3/4	4,350.20	3/4	3,990.68	3/4	3,631.16	3/4	3,271.64	3/4	2,912.12	3/4	2,552.60	3/4	2,193.08
4		4	5,059.03	4	4,702.23	4	4,342.71	4	3,983.19	4	3,623.67	4	3,264.15	4	2,904.63	4	2,545.11	4	2,185.59
1/4		1/4	5,052.90	1/4	4,694.74	1/4	4,335.22	1/4	3,975.70	1/4	3,616.18	1/4	3,256.66	1/4	2,897.14	1/4	2,537.62	1/4	2,178.10
1/2		1/2	5,045.75	1/2	4,687.25	1/2	4,327.73	1/2	3,968.21	1/2	3,608.69	1/2	3,249.17	1/2	2,889.65	1/2	2,530.13	1/2	2,170.61
3/4		3/4	5,038.60	3/4	4,679.76	3/4	4,320.24	3/4	3,960.72	3/4	3,601.20	3/4	3,241.68	3/4	2,882.16	3/4	2,522.64	3/4	2,163.12
5		5	5,031.45	5	4,672.27	5	4,312.75	5	3,953.23	5	3,593.71	5	3,234.19	5	2,874.67	5	2,515.15	5	2,155.63
1/4		1/4	5,024.30	1/4	4,664.78	1/4	4,305.26	1/4	3,945.74	1/4	3,586.22	1/4	3,226.70	1/4	2,867.18	1/4	2,507.66	1/4	2,148.14
1/2		1/2	5,016.81	1/2	4,657.29	1/2	4,297.77	1/2	3,938.25	1/2	3,578.73	1/2	3,219.21	1/2	2,859.69	1/2	2,500.17	1/2	2,140.65
3/4		3/4	5,009.32	3/4	4,649.80	3/4	4,290.28	3/4	3,930.75	3/4	3,571.24	3/4	3,211.72	3/4	2,852.20	3/4	2,492.68	3/4	2,133.16
6		6	5,001.83	6	4,642.31	6	4,282.79	6	3,923.26	6	3,563.75	6	3,204.23	6	2,844.71	6	2,485.19	6	2,125.67
1/4		1/4	4,994.34	1/4	4,634.82	1/4	4,275.30	1/4	3,915.76	1/4	3,556.26	1/4	3,196.74	1/4	2,837.22	1/4	2,477.70	1/4	2,118.18
1/2		1/2	4,986.85	1/2	4,627.33	1/2	4,267.81	1/2	3,908.28	1/2	3,548.77	1/2	3,189.25	1/2	2,829.73	1/2	2,470.21	1/2	2,110.69
3/4		3/4	4,979.36	3/4	4,619.84	3/4	4,260.32	3/4	3,900.79	3/4	3,541.28	3/4	3,181.76	3/4	2,822.24	3/4	2,462.72	3/4	2,103.20
7		7	4,971.87	7	4,612.35	7	4,252.83	7	3,893.31	7	3,533.79	7	3,174.27	7	2,814.75	7	2,455.23	7	2,095.71
1/4		1/4	4,964.38	1/4	4,604.86	1/4	4,245.34	1/4	3,885.82	1/4	3,526.30	1/4	3,166.78	1/4	2,807.26	1/4	2,447.74	1/4	2,088.22
1/2		1/2	4,956.89	1/2	4,597.37	1/2	4,237.85	1/2	3,878.33	1/2	3,518.81	1/2	3,159.29	1/2	2,799.77	1/2	2,440.25	1/2	2,080.73
3/4		3/4	4,949.40	3/4	4,589.88	3/4	4,230.36	3/4	3,870.84	3/4	3,511.32	3/4	3,151.80	3/4	2,792.28	3/4	2,432.76	3/4	2,073.24
8		8	4,941.91	8	4,582.39	8	4,222.87	8	3,863.35	8	3,503.83	8	3,144.31	8	2,784.79	8	2,425.27	8	2,065.75
1/4		1/4	4,934.42	1/4	4,574.90	1/4	4,215.38	1/4	3,855.86	1/4	3,496.34	1/4	3,136.82	1/4	2,777.30	1/4	2,417.78	1/4	2,058.26
1/2		1/2	4,926.93	1/2	4,567.41	1/2	4,207.89	1/2	3,848.37	1/2	3,488.85	1/2	3,129.33	1/2	2,769.81	1/2	2,410.29	1/2	2,050.77
3/4		3/4	4,919.44	3/4	4,559.92	3/4	4,200.40	3/4	3,840.88	3/4	3,481.36	3/4	3,121.84	3/4	2,762.32	3/4	2,402.80	3/4	2,043.28
9		9	4,911.95	9	4,552.43	9	4,192.91	9	3,833.39	9	3,473.87	9	3,114.35	9	2,754.83	9	2,395.31	9	2,035.79
1/4		1/4	4,904.46	1/4	4,544.94	1/4	4,185.42	1/4	3,825.90	1/4	3,466.38	1/4	3,106.86	1/4	2,747.34	1/4	2,387.82	1/4	2,028.30
1/2		1/2	4,896.97	1/2	4,537.45	1/2	4,177.94	1/2	3,818.41	1/2	3,458.89	1/2	3,099.37	1/2	2,739.85	1/2	2,380.33	1/2	2,020.81
3/4		3/4	4,889.48	3/4	4,529.96	3/4	4,170.45	3/4	3,810.92	3/4	3,451.40	3/4	3,091.88	3/4	2,732.36	3/4	2,372.84	3/4	2,013.32
10		10	4,881.99	10	4,522.47	10	4,162.97	10	3,803.43	10	3,443.91	10	3,084.39	10	2,724.87	10	2,365.35	10	2,005.83
1/4		1/4	4,874.50	1/4	4,514.98	1/4	4,155.48	1/4	3,795.94	1/4	3,436.42	1/4	3,076.90	1/4	2,717.38	1/4	2,357.86	1/4	1,998.34
1/2		1/2	4,867.01	1/2	4,507.49	1/2	4,147.99	1/2	3,788.45	1/2	3,428.93	1/2	3,069.41	1/2	2,709.89	1/2	2,350.37	1/2	1,990.85
3/4		3/4	4,859.52	3/4	4,500.00	3/4	4,140.49	3/4	3,780.96	3/4	3,421.44	3/4	3,061.92	3/4	2,702.40	3/4	2,342.88	3/4	1,983.36
11		11	4,852.03	11	4,492.51	11	4,133.00	11	3,773.47	11	3,413.95	11	3,054.43	11	2,694.91	11	2,335.39	11	1,975.87
1/4	5,121.56	1/4	4,844.54	1/4	4,485.02	1/4	4,125.50	1/4	3,765.98	1/4	3,406.46	1/4	3,046.94	1/4	2,687.42	1/4	2,327.90	1/4	1,968.38
1/2	5,120.72	1/2	4,837.05	1/2	4,477.53	1/2	4,118.01	1/2	3,758.49	1/2	3,398.97	1/2	3,039.45	1/2	2,679.93	1/2	2,320.41	1/2	1,960.89
3/4	5,119.88	3/4	4,829.56	3/4	4,470.04	3/4	4,110.52	3/4	3,751.00	3/4	3,391.48	3/4	3,031.96	3/4	2,672.44	3/4	2,312.92	3/4	1,953.40

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
GAUGE POINT: RIM OF 2" DIA. BALL VALVE LOCATED NEAR CENTER OF TANK.

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



BARGE "KIRBY 30081"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3012"

GAUGE HEIGHT 15-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,945.91	0	1,586.39	0	1,226.87	0	868.79	0	509.62	0	150.10	0		0		0		0	
1/4	1,938.42	1/4	1,578.90	1/4	1,219.38	1/4	861.33	1/4	502.13	1/4	142.61	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,930.93	1/2	1,571.41	1/2	1,211.91	1/2	853.87	1/2	494.64	1/2	135.12	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,923.44	3/4	1,563.92	3/4	1,204.44	3/4	846.42	3/4	487.15	3/4	127.63	3/4		3/4	3/4		3/4	3/4	3/4
1	1,915.95	1	1,556.43	1	1,196.96	1	838.96	1	479.66	1	120.14	1		1		1		1	
1/4	1,908.46	1/4	1,548.94	1/4	1,189.49	1/4	831.50	1/4	472.17	1/4	112.65	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,900.97	1/2	1,541.45	1/2	1,182.03	1/2	824.04	1/2	464.68	1/2	105.16	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,893.48	3/4	1,533.95	3/4	1,174.57	3/4	816.59	3/4	457.19	3/4	97.67	3/4		3/4	3/4		3/4	3/4	3/4
2	1,885.99	2	1,526.46	2	1,167.11	2	809.13	2	449.70	2	90.18	2		2		2		2	
1/4	1,878.50	1/4	1,518.96	1/4	1,159.65	1/4	801.67	1/4	442.21	1/4	82.69	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,871.01	1/2	1,511.48	1/2	1,152.19	1/2	794.20	1/2	434.72	1/2	76.05	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,863.52	3/4	1,503.99	3/4	1,144.74	3/4	786.72	3/4	427.23	3/4	69.42	3/4		3/4	3/4		3/4	3/4	3/4
3	1,856.03	3	1,496.51	3	1,137.28	3	779.25	3	419.74	3	62.78	3		3		3		3	
1/4	1,848.54	1/4	1,489.02	1/4	1,129.82	1/4	771.77	1/4	412.25	1/4	56.14	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,841.05	1/2	1,481.53	1/2	1,122.36	1/2	764.28	1/2	404.76	1/2	50.70	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,833.56	3/4	1,474.04	3/4	1,114.91	3/4	756.79	3/4	397.27	3/4	45.26	3/4		3/4	3/4		3/4	3/4	3/4
4	1,826.07	4	1,466.55	4	1,107.45	4	749.30	4	389.78	4	39.81	4		4		4		4	
1/4	1,818.58	1/4	1,459.06	1/4	1,099.99	1/4	741.81	1/4	382.29	1/4	34.37	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,811.09	1/2	1,451.57	1/2	1,092.53	1/2	734.32	1/2	374.80	1/2	30.29	1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,803.60	3/4	1,444.08	3/4	1,085.08	3/4	726.83	3/4	367.31	3/4	26.21	3/4		3/4	3/4		3/4	3/4	3/4
5	1,796.11	5	1,436.59	5	1,077.62	5	719.34	5	359.82	5	22.13	5		5		5		5	
1/4	1,788.62	1/4	1,429.10	1/4	1,070.16	1/4	711.85	1/4	352.33	1/4	18.05	1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,781.13	1/2	1,421.61	1/2	1,062.70	1/2	704.36	1/2	344.84	1/2		1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,773.64	3/4	1,414.12	3/4	1,055.25	3/4	696.87	3/4	337.35	3/4		3/4		3/4	3/4		3/4	3/4	3/4
6	1,766.14	6	1,406.63	6	1,047.79	6	689.38	6	329.86	6		6		6		6		6	
1/4	1,758.65	1/4	1,399.14	1/4	1,040.33	1/4	681.89	1/4	322.37	1/4		1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,751.16	1/2	1,391.65	1/2	1,032.87	1/2	674.40	1/2	314.88	1/2		1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,743.68	3/4	1,384.16	3/4	1,025.41	3/4	666.91	3/4	307.39	3/4		3/4		3/4	3/4		3/4	3/4	3/4
7	1,736.19	7	1,376.67	7	1,017.95	7	659.42	7	299.90	7		7		7		7		7	
1/4	1,728.70	1/4	1,369.18	1/4	1,010.49	1/4	651.93	1/4	292.41	1/4		1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,721.21	1/2	1,361.69	1/2	1,003.03	1/2	644.44	1/2	284.92	1/2		1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,713.72	3/4	1,354.20	3/4	995.58	3/4	636.95	3/4	277.43	3/4		3/4		3/4	3/4		3/4	3/4	3/4
8	1,706.23	8	1,346.71	8	988.12	8	629.46	8	269.94	8		8		8		8		8	
1/4	1,698.74	1/4	1,339.22	1/4	980.66	1/4	621.97	1/4	262.45	1/4		1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,691.25	1/2	1,331.73	1/2	973.20	1/2	614.48	1/2	254.96	1/2		1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,683.76	3/4	1,324.24	3/4	965.75	3/4	606.99	3/4	247.47	3/4		3/4		3/4	3/4		3/4	3/4	3/4
9	1,676.27	9	1,316.75	9	958.29	9	599.50	9	239.98	9		9		9		9		9	
1/4	1,668.78	1/4	1,309.26	1/4	950.83	1/4	592.01	1/4	232.49	1/4		1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,661.29	1/2	1,301.77	1/2	943.37	1/2	584.52	1/2	225.00	1/2		1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,653.80	3/4	1,294.28	3/4	935.92	3/4	577.03	3/4	217.51	3/4		3/4		3/4	3/4		3/4	3/4	3/4
10	1,646.31	10	1,286.79	10	928.46	10	569.54	10	210.02	10		10		10		10		10	
1/4	1,638.82	1/4	1,279.30	1/4	921.00	1/4	562.05	1/4	202.53	1/4		1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,631.33	1/2	1,271.81	1/2	913.54	1/2	554.56	1/2	195.04	1/2		1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,623.84	3/4	1,264.32	3/4	906.09	3/4	547.07	3/4	187.55	3/4		3/4		3/4	3/4		3/4	3/4	3/4
11	1,616.35	11	1,256.83	11	898.63	11	539.58	11	180.06	11		11		11		11		11	
1/4	1,608.86	1/4	1,249.34	1/4	891.17	1/4	532.09	1/4	172.57	1/4		1/4		1/4	1/4		1/4	1/4	1/4
1/2	1,601.37	1/2	1,241.85	1/2	883.71	1/2	524.60	1/2	165.08	1/2		1/2		1/2	1/2		1/2	1/2	1/2
3/4	1,593.88	3/4	1,234.36	3/4	876.25	3/4	517.11	3/4	157.59	3/4		3/4		3/4	3/4		3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 03/30/2017 SW
DECK MEASUREMENTS 06/20/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

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



BARGE "KIRBY 30081"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3012"

GAUGE HEIGHT 15-05"

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	4,526.76	0	4,328.55	0	4,093.83	0	3,859.11	0	3,624.39	0	3,356.65	0	2,999.43	0	2,642.22	0	2,285.00
1/4		1/4	4,525.44	1/4	4,323.66	1/4	4,088.94	1/4	3,854.22	1/4	3,619.50	1/4	3,349.21	1/4	2,992.04	1/4	2,634.78	1/4	2,277.56
1/2		1/2	4,524.11	1/2	4,318.77	1/2	4,084.05	1/2	3,849.33	1/2	3,614.61	1/2	3,341.76	1/2	2,984.64	1/2	2,627.33	1/2	2,270.11
3/4		3/4	4,522.79	3/4	4,313.88	3/4	4,079.16	3/4	3,844.44	3/4	3,609.72	3/4	3,334.32	3/4	2,977.25	3/4	2,619.89	3/4	2,262.67
1		1	4,521.46	1	4,308.99	1	4,074.27	1	3,839.55	1	3,604.83	1	3,326.88	1	2,969.86	1	2,612.45	1	2,255.23
1/4		1/4	4,519.24	1/4	4,304.10	1/4	4,069.38	1/4	3,834.66	1/4	3,599.94	1/4	3,319.44	1/4	2,962.37	1/4	2,605.01	1/4	2,247.79
1/2		1/2	4,517.01	1/2	4,299.21	1/2	4,064.49	1/2	3,829.77	1/2	3,595.05	1/2	3,311.99	1/2	2,954.88	1/2	2,597.56	1/2	2,240.34
3/4		3/4	4,514.79	3/4	4,294.32	3/4	4,059.60	3/4	3,824.88	3/4	3,590.16	3/4	3,304.55	3/4	2,947.39	3/4	2,590.12	3/4	2,232.90
2		2	4,512.56	2	4,289.43	2	4,054.71	2	3,819.99	2	3,585.27	2	3,297.11	2	2,939.90	2	2,582.68	2	2,225.46
1/4		1/4	4,509.46	1/4	4,284.54	1/4	4,049.82	1/4	3,815.10	1/4	3,580.38	1/4	3,289.67	1/4	2,932.46	1/4	2,575.24	1/4	2,218.02
1/2		1/2	4,506.35	1/2	4,279.65	1/2	4,044.93	1/2	3,810.21	1/2	3,575.49	1/2	3,282.22	1/2	2,925.01	1/2	2,567.79	1/2	2,210.58
3/4		3/4	4,503.25	3/4	4,274.76	3/4	4,040.04	3/4	3,805.32	3/4	3,570.60	3/4	3,274.78	3/4	2,917.57	3/4	2,560.35	3/4	2,203.14
3		3	4,500.14	3	4,269.87	3	4,035.15	3	3,800.43	3	3,565.71	3	3,267.34	3	2,910.13	3	2,552.91	3	2,195.70
1/4		1/4	4,496.14	1/4	4,264.98	1/4	4,030.26	1/4	3,795.54	1/4	3,560.82	1/4	3,259.90	1/4	2,902.69	1/4	2,545.47	1/4	2,188.26
1/2		1/2	4,492.14	1/2	4,260.09	1/2	4,025.37	1/2	3,790.65	1/2	3,555.93	1/2	3,252.46	1/2	2,895.24	1/2	2,538.02	1/2	2,180.81
3/4		3/4	4,488.14	3/4	4,255.20	3/4	4,020.48	3/4	3,785.76	3/4	3,551.04	3/4	3,245.02	3/4	2,887.80	3/4	2,530.58	3/4	2,173.37
4		4	4,484.14	4	4,250.31	4	4,015.59	4	3,780.87	4	3,546.15	4	3,237.58	4	2,880.36	4	2,523.14	4	2,165.93
1/4		1/4	4,479.47	1/4	4,245.42	1/4	4,010.70	1/4	3,775.98	1/4	3,541.26	1/4	3,230.14	1/4	2,872.92	1/4	2,515.70	1/4	2,158.49
1/2		1/2	4,474.81	1/2	4,240.53	1/2	4,005.81	1/2	3,771.09	1/2	3,536.37	1/2	3,222.69	1/2	2,865.47	1/2	2,508.26	1/2	2,151.04
3/4		3/4	4,470.14	3/4	4,235.64	3/4	4,000.92	3/4	3,766.20	3/4	3,531.48	3/4	3,215.25	3/4	2,858.03	3/4	2,500.82	3/4	2,143.60
5		5	4,465.47	5	4,230.75	5	3,996.03	5	3,761.31	5	3,526.59	5	3,207.81	5	2,850.59	5	2,493.38	5	2,136.16
1/4		1/4	4,460.58	1/4	4,225.86	1/4	3,991.14	1/4	3,756.42	1/4	3,521.70	1/4	3,200.37	1/4	2,843.15	1/4	2,485.94	1/4	2,128.72
1/2		1/2	4,455.69	1/2	4,220.97	1/2	3,986.25	1/2	3,751.53	1/2	3,516.81	1/2	3,192.92	1/2	2,835.70	1/2	2,478.49	1/2	2,121.27
3/4		3/4	4,450.80	3/4	4,216.08	3/4	3,981.36	3/4	3,746.64	3/4	3,511.92	3/4	3,185.48	3/4	2,828.26	3/4	2,471.05	3/4	2,113.83
6		6	4,445.91	6	4,211.19	6	3,976.47	6	3,741.75	6	3,507.03	6	3,178.04	6	2,820.82	6	2,463.61	6	2,106.39
1/4		1/4	4,441.02	1/4	4,206.30	1/4	3,971.58	1/4	3,736.86	1/4	3,501.85	1/4	3,170.60	1/4	2,813.38	1/4	2,456.17	1/4	2,098.95
1/2		1/2	4,436.13	1/2	4,201.41	1/2	3,966.69	1/2	3,731.97	1/2	3,496.68	1/2	3,163.15	1/2	2,805.94	1/2	2,448.72	1/2	2,091.50
3/4		3/4	4,431.24	3/4	4,196.52	3/4	3,961.80	3/4	3,727.08	3/4	3,491.50	3/4	3,155.71	3/4	2,798.50	3/4	2,441.28	3/4	2,084.06
7		7	4,426.35	7	4,191.63	7	3,956.91	7	3,722.19	7	3,486.33	7	3,148.27	7	2,791.06	7	2,433.84	7	2,076.62
1/4		1/4	4,421.46	1/4	4,186.74	1/4	3,952.02	1/4	3,717.30	1/4	3,480.75	1/4	3,140.83	1/4	2,783.62	1/4	2,426.40	1/4	2,069.18
1/2		1/2	4,416.57	1/2	4,181.85	1/2	3,947.13	1/2	3,712.41	1/2	3,475.16	1/2	3,133.38	1/2	2,776.17	1/2	2,418.95	1/2	2,061.74
3/4		3/4	4,411.68	3/4	4,176.96	3/4	3,942.24	3/4	3,707.52	3/4	3,469.58	3/4	3,125.94	3/4	2,768.73	3/4	2,411.51	3/4	2,054.30
8		8	4,406.79	8	4,172.07	8	3,937.35	8	3,702.63	8	3,464.00	8	3,118.50	8	2,761.29	8	2,404.07	8	2,046.86
1/4		1/4	4,401.90	1/4	4,167.18	1/4	3,932.46	1/4	3,697.74	1/4	3,457.95	1/4	3,111.06	1/4	2,753.85	1/4	2,396.63	1/4	2,039.42
1/2		1/2	4,397.01	1/2	4,162.29	1/2	3,927.57	1/2	3,692.85	1/2	3,451.91	1/2	3,103.62	1/2	2,746.40	1/2	2,389.18	1/2	2,031.97
3/4		3/4	4,392.12	3/4	4,157.40	3/4	3,922.68	3/4	3,687.96	3/4	3,445.86	3/4	3,096.18	3/4	2,738.96	3/4	2,381.74	3/4	2,024.53
9		9	4,387.23	9	4,152.51	9	3,917.79	9	3,683.07	9	3,439.82	9	3,088.74	9	2,731.52	9	2,374.30	9	2,017.09
1/4		1/4	4,382.34	1/4	4,147.62	1/4	3,912.90	1/4	3,678.18	1/4	3,433.31	1/4	3,081.30	1/4	2,724.08	1/4	2,366.86	1/4	2,009.65
1/2		1/2	4,377.45	1/2	4,142.73	1/2	3,908.01	1/2	3,673.29	1/2	3,426.79	1/2	3,073.85	1/2	2,716.63	1/2	2,359.42	1/2	2,002.20
3/4		3/4	4,372.56	3/4	4,137.84	3/4	3,903.12	3/4	3,668.40	3/4	3,420.28	3/4	3,066.41	3/4	2,709.19	3/4	2,351.98	3/4	1,994.76
10		10	4,367.67	10	4,132.95	10	3,898.23	10	3,663.51	10	3,413.77	10	3,058.97	10	2,701.75	10	2,344.54	10	1,987.32
1/4		1/4	4,362.78	1/4	4,128.06	1/4	3,893.34	1/4	3,658.62	1/4	3,406.80	1/4	3,051.53	1/4	2,694.31	1/4	2,337.10	1/4	1,979.88
1/2		1/2	4,357.89	1/2	4,123.17	1/2	3,888.45	1/2	3,653.73	1/2	3,399.84	1/2	3,044.08	1/2	2,686.86	1/2	2,329.65	1/2	1,972.43
3/4		3/4	4,353.00	3/4	4,118.28	3/4	3,883.56	3/4	3,648.84	3/4	3,392.87	3/4	3,036.64	3/4	2,679.42	3/4	2,322.21	3/4	1,964.99
11	4,528.95	11	4,348.11	11	4,113.39	11	3,878.67	11	3,643.95	11	3,385.91	11	3,029.20	11	2,671.98	11	2,314.77	11	1,957.55
1/4	4,528.40	1/4	4,343.22	1/4	4,108.50	1/4	3,873.78	1/4	3,639.06	1/4	3,378.59	1/4	3,021.76	1/4	2,664.54	1/4	2,307.33	1/4	1,950.11
1/2	4,527.86	1/2	4,338.33	1/2	4,103.61	1/2	3,868.89	1/2	3,634.17	1/2	3,371.28	1/2	3,014.31	1/2	2,657.10	1/2	2,299.88	1/2	1,942.66
3/4	4,527.31	3/4	4,333.44	3/4	4,098.72	3/4	3,864.00	3/4	3,629.28	3/4	3,363.96	3/4	3,006.87	3/4	2,649.66	3/4	2,292.44	3/4	1,935.22

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
GAUGE POINT: RIM OF 2" DIA. BALL VALVE LOCATED NEAR CENTER OF TANK.

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



BARGE "KIRBY 30081"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3012"

GAUGE HEIGHT 15-05"

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	1,927.78	0	1,570.57	0	1,213.35	0	856.14	0	498.92	0	141.70	0		0		0		0	
1/4	1,919.84	1/4	1,563.13	1/4	1,205.91	1/4	848.70	1/4	491.48	1/4	134.26	1/4		1/4		1/4		1/4	
1/2	1,911.90	1/2	1,555.68	1/2	1,198.46	1/2	841.25	1/2	484.03	1/2	126.82	1/2		1/2		1/2		1/2	
3/4	1,903.96	3/4	1,548.24	3/4	1,191.02	3/4	833.81	3/4	476.59	3/4	119.38	3/4		3/4		3/4		3/4	
1	1,896.02	1	1,540.80	1	1,183.58	1	826.37	1	469.15	1	111.94	1		1		1		1	
1/4	1,889.08	1/4	1,533.36	1/4	1,176.14	1/4	818.93	1/4	461.71	1/4	104.50	1/4		1/4		1/4		1/4	
1/2	1,882.13	1/2	1,525.91	1/2	1,168.70	1/2	811.48	1/2	454.26	1/2	97.05	1/2		1/2		1/2		1/2	
3/4	1,875.19	3/4	1,518.47	3/4	1,161.26	3/4	804.04	3/4	446.82	3/4	89.61	3/4		3/4		3/4		3/4	
2	1,868.25	2	1,511.03	2	1,153.82	2	796.60	2	439.38	2	82.17	2		2		2		2	
1/4	1,860.80	1/4	1,503.59	1/4	1,146.38	1/4	789.16	1/4	431.94	1/4	75.57	1/4		1/4		1/4		1/4	
1/2	1,853.35	1/2	1,496.14	1/2	1,138.93	1/2	781.71	1/2	424.50	1/2	68.98	1/2		1/2		1/2		1/2	
3/4	1,845.91	3/4	1,488.70	3/4	1,131.49	3/4	774.27	3/4	417.06	3/4	62.38	3/4		3/4		3/4		3/4	
3	1,838.46	3	1,481.26	3	1,124.05	3	766.83	3	409.62	3	55.79	3		3		3		3	
1/4	1,831.02	1/4	1,473.82	1/4	1,116.61	1/4	759.40	1/4	402.18	1/4	50.38	1/4		1/4		1/4		1/4	
1/2	1,823.58	1/2	1,466.38	1/2	1,109.16	1/2	751.96	1/2	394.73	1/2	44.97	1/2		1/2		1/2		1/2	
3/4	1,816.15	3/4	1,458.94	3/4	1,101.72	3/4	744.53	3/4	387.29	3/4	39.56	3/4		3/4		3/4		3/4	
4	1,808.71	4	1,451.50	4	1,094.28	4	737.10	4	379.85	4	34.15	4		4		4		4	
1/4	1,801.27	1/4	1,444.06	1/4	1,086.84	1/4	729.65	1/4	372.41	1/4	30.10	1/4		1/4		1/4		1/4	
1/2	1,793.82	1/2	1,436.61	1/2	1,079.39	1/2	722.20	1/2	364.96	1/2	26.05	1/2		1/2		1/2		1/2	
3/4	1,786.38	3/4	1,429.17	3/4	1,071.95	3/4	714.75	3/4	357.52	3/4	22.00	3/4		3/4		3/4		3/4	
5	1,778.94	5	1,421.73	5	1,064.51	5	707.30	5	350.08	5	17.95	5		5		5		5	
1/4	1,771.50	1/4	1,414.29	1/4	1,057.07	1/4	699.86	1/4	342.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,764.06	1/2	1,406.84	1/2	1,049.62	1/2	692.41	1/2	335.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,756.62	3/4	1,399.40	3/4	1,042.18	3/4	684.97	3/4	327.75	3/4		3/4		3/4		3/4		3/4	
6	1,749.18	6	1,391.96	6	1,034.74	6	677.53	6	320.31	6		6		6		6		6	
1/4	1,741.74	1/4	1,384.52	1/4	1,027.30	1/4	670.09	1/4	312.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,734.29	1/2	1,377.07	1/2	1,019.86	1/2	662.64	1/2	305.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,726.85	3/4	1,369.63	3/4	1,012.42	3/4	655.20	3/4	297.98	3/4		3/4		3/4		3/4		3/4	
7	1,719.41	7	1,362.19	7	1,004.98	7	647.76	7	290.54	7		7		7		7		7	
1/4	1,711.97	1/4	1,354.75	1/4	997.54	1/4	640.32	1/4	283.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,704.52	1/2	1,347.30	1/2	990.09	1/2	632.87	1/2	275.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,697.08	3/4	1,339.86	3/4	982.65	3/4	625.43	3/4	268.22	3/4		3/4		3/4		3/4		3/4	
8	1,689.64	8	1,332.42	8	975.21	8	617.99	8	260.78	8		8		8		8		8	
1/4	1,682.20	1/4	1,325.03	1/4	967.77	1/4	610.55	1/4	253.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,674.75	1/2	1,317.64	1/2	960.32	1/2	603.10	1/2	245.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,667.31	3/4	1,310.25	3/4	952.88	3/4	595.66	3/4	238.45	3/4		3/4		3/4		3/4		3/4	
9	1,659.87	9	1,302.86	9	945.44	9	588.22	9	231.01	9		9		9		9		9	
1/4	1,652.43	1/4	1,295.37	1/4	938.00	1/4	580.78	1/4	223.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,644.98	1/2	1,287.87	1/2	930.55	1/2	573.34	1/2	216.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,637.54	3/4	1,280.38	3/4	923.11	3/4	565.90	3/4	208.68	3/4		3/4		3/4		3/4		3/4	
10	1,630.10	10	1,272.89	10	915.67	10	558.46	10	201.24	10		10		10		10		10	
1/4	1,622.66	1/4	1,265.45	1/4	908.23	1/4	551.02	1/4	193.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,615.22	1/2	1,258.00	1/2	900.78	1/2	543.57	1/2	186.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,607.78	3/4	1,250.56	3/4	893.34	3/4	536.13	3/4	178.91	3/4		3/4		3/4		3/4		3/4	
11	1,600.34	11	1,243.12	11	885.90	11	528.69	11	171.47	11		11		11		11		11	
1/4	1,592.90	1/4	1,235.68	1/4	878.46	1/4	521.25	1/4	164.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,585.45	1/2	1,228.23	1/2	871.02	1/2	513.80	1/2	156.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,578.01	3/4	1,220.79	3/4	863.58	3/4	506.36	3/4	149.14	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 03/30/2017 SW
DECK MEASUREMENTS 06/20/2017

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

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



BARGE "KIRBY 30081"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3012"

GAUGE HEIGHT 15-05"

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	4,526.76	0	4,328.55	0	4,093.83	0	3,859.11	0	3,624.39	0	3,356.65	0	2,999.43	0	2,642.22	0	2,285.00
1/4		1/4	4,525.44	1/4	4,323.66	1/4	4,088.94	1/4	3,854.22	1/4	3,619.50	1/4	3,349.21	1/4	2,992.04	1/4	2,634.78	1/4	2,277.56
1/2		1/2	4,524.11	1/2	4,318.77	1/2	4,084.05	1/2	3,849.33	1/2	3,614.61	1/2	3,341.76	1/2	2,984.64	1/2	2,627.33	1/2	2,270.11
3/4		3/4	4,522.79	3/4	4,313.88	3/4	4,079.16	3/4	3,844.44	3/4	3,609.72	3/4	3,334.32	3/4	2,977.25	3/4	2,619.89	3/4	2,262.67
1		1	4,521.46	1	4,308.99	1	4,074.27	1	3,839.55	1	3,604.83	1	3,326.88	1	2,969.86	1	2,612.45	1	2,255.23
1/4		1/4	4,519.24	1/4	4,304.10	1/4	4,069.38	1/4	3,834.66	1/4	3,599.94	1/4	3,319.44	1/4	2,962.37	1/4	2,605.01	1/4	2,247.79
1/2		1/2	4,517.01	1/2	4,299.21	1/2	4,064.49	1/2	3,829.77	1/2	3,595.05	1/2	3,311.99	1/2	2,954.88	1/2	2,597.56	1/2	2,240.34
3/4		3/4	4,514.79	3/4	4,294.32	3/4	4,059.60	3/4	3,824.88	3/4	3,590.16	3/4	3,304.55	3/4	2,947.39	3/4	2,590.12	3/4	2,232.90
2		2	4,512.56	2	4,289.43	2	4,054.71	2	3,819.99	2	3,585.27	2	3,297.11	2	2,939.90	2	2,582.68	2	2,225.46
1/4		1/4	4,509.46	1/4	4,284.54	1/4	4,049.82	1/4	3,815.10	1/4	3,580.38	1/4	3,289.67	1/4	2,932.46	1/4	2,575.24	1/4	2,218.02
1/2		1/2	4,506.35	1/2	4,279.65	1/2	4,044.93	1/2	3,810.21	1/2	3,575.49	1/2	3,282.22	1/2	2,925.01	1/2	2,567.79	1/2	2,210.58
3/4		3/4	4,503.25	3/4	4,274.76	3/4	4,040.04	3/4	3,805.32	3/4	3,570.60	3/4	3,274.78	3/4	2,917.57	3/4	2,560.35	3/4	2,203.14
3		3	4,500.14	3	4,269.87	3	4,035.15	3	3,800.43	3	3,565.71	3	3,267.34	3	2,910.13	3	2,552.91	3	2,195.70
1/4		1/4	4,496.14	1/4	4,264.98	1/4	4,030.26	1/4	3,795.54	1/4	3,560.82	1/4	3,259.90	1/4	2,902.69	1/4	2,545.47	1/4	2,188.26
1/2		1/2	4,492.14	1/2	4,260.09	1/2	4,025.37	1/2	3,790.65	1/2	3,555.93	1/2	3,252.46	1/2	2,895.24	1/2	2,538.02	1/2	2,180.81
3/4		3/4	4,488.14	3/4	4,255.20	3/4	4,020.48	3/4	3,785.76	3/4	3,551.04	3/4	3,245.02	3/4	2,887.80	3/4	2,530.58	3/4	2,173.37
4		4	4,484.14	4	4,250.31	4	4,015.59	4	3,780.87	4	3,546.15	4	3,237.58	4	2,880.36	4	2,523.14	4	2,165.93
1/4		1/4	4,479.47	1/4	4,245.42	1/4	4,010.70	1/4	3,775.98	1/4	3,541.26	1/4	3,230.14	1/4	2,872.92	1/4	2,515.70	1/4	2,158.49
1/2		1/2	4,474.81	1/2	4,240.53	1/2	4,005.81	1/2	3,771.09	1/2	3,536.37	1/2	3,222.69	1/2	2,865.47	1/2	2,508.26	1/2	2,151.04
3/4		3/4	4,470.14	3/4	4,235.64	3/4	4,000.92	3/4	3,766.20	3/4	3,531.48	3/4	3,215.25	3/4	2,858.03	3/4	2,500.82	3/4	2,143.60
5		5	4,465.47	5	4,230.75	5	3,996.03	5	3,761.31	5	3,526.59	5	3,207.81	5	2,850.59	5	2,493.38	5	2,136.16
1/4		1/4	4,460.58	1/4	4,225.86	1/4	3,991.14	1/4	3,756.42	1/4	3,521.70	1/4	3,200.37	1/4	2,843.15	1/4	2,485.94	1/4	2,128.72
1/2		1/2	4,455.69	1/2	4,220.97	1/2	3,986.25	1/2	3,751.53	1/2	3,516.81	1/2	3,192.92	1/2	2,835.70	1/2	2,478.49	1/2	2,121.27
3/4		3/4	4,450.80	3/4	4,216.08	3/4	3,981.36	3/4	3,746.64	3/4	3,511.92	3/4	3,185.48	3/4	2,828.26	3/4	2,471.05	3/4	2,113.83
6		6	4,445.91	6	4,211.19	6	3,976.47	6	3,741.75	6	3,507.03	6	3,178.04	6	2,820.82	6	2,463.61	6	2,106.39
1/4		1/4	4,441.02	1/4	4,206.30	1/4	3,971.58	1/4	3,736.86	1/4	3,501.85	1/4	3,170.60	1/4	2,813.38	1/4	2,456.17	1/4	2,098.95
1/2		1/2	4,436.13	1/2	4,201.41	1/2	3,966.69	1/2	3,731.97	1/2	3,496.68	1/2	3,163.15	1/2	2,805.94	1/2	2,448.72	1/2	2,091.50
3/4		3/4	4,431.24	3/4	4,196.52	3/4	3,961.80	3/4	3,727.08	3/4	3,491.50	3/4	3,155.71	3/4	2,798.50	3/4	2,441.28	3/4	2,084.06
7		7	4,426.35	7	4,191.63	7	3,956.91	7	3,722.19	7	3,486.33	7	3,148.27	7	2,791.06	7	2,433.84	7	2,076.62
1/4		1/4	4,421.46	1/4	4,186.74	1/4	3,952.02	1/4	3,717.30	1/4	3,480.75	1/4	3,140.83	1/4	2,783.62	1/4	2,426.40	1/4	2,069.18
1/2		1/2	4,416.57	1/2	4,181.85	1/2	3,947.13	1/2	3,712.41	1/2	3,475.16	1/2	3,133.38	1/2	2,776.17	1/2	2,418.95	1/2	2,061.74
3/4		3/4	4,411.68	3/4	4,176.96	3/4	3,942.24	3/4	3,707.52	3/4	3,469.58	3/4	3,125.94	3/4	2,768.73	3/4	2,411.51	3/4	2,054.30
8		8	4,406.79	8	4,172.07	8	3,937.35	8	3,702.63	8	3,464.00	8	3,118.50	8	2,761.29	8	2,404.07	8	2,046.86
1/4		1/4	4,401.90	1/4	4,167.18	1/4	3,932.46	1/4	3,697.74	1/4	3,457.95	1/4	3,111.06	1/4	2,753.85	1/4	2,396.63	1/4	2,039.42
1/2		1/2	4,397.01	1/2	4,162.29	1/2	3,927.57	1/2	3,692.85	1/2	3,451.91	1/2	3,103.62	1/2	2,746.40	1/2	2,389.18	1/2	2,031.97
3/4		3/4	4,392.12	3/4	4,157.40	3/4	3,922.68	3/4	3,687.96	3/4	3,445.86	3/4	3,096.18	3/4	2,738.96	3/4	2,381.74	3/4	2,024.53
9		9	4,387.23	9	4,152.51	9	3,917.79	9	3,683.07	9	3,439.82	9	3,088.74	9	2,731.52	9	2,374.30	9	2,017.09
1/4		1/4	4,382.34	1/4	4,147.62	1/4	3,912.90	1/4	3,678.18	1/4	3,433.31	1/4	3,081.30	1/4	2,724.08	1/4	2,366.86	1/4	2,009.65
1/2		1/2	4,377.45	1/2	4,142.73	1/2	3,908.01	1/2	3,673.29	1/2	3,426.79	1/2	3,073.85	1/2	2,716.63	1/2	2,359.42	1/2	2,002.20
3/4		3/4	4,372.56	3/4	4,137.84	3/4	3,903.12	3/4	3,668.40	3/4	3,420.28	3/4	3,066.41	3/4	2,709.19	3/4	2,351.98	3/4	1,994.76
10		10	4,367.67	10	4,132.95	10	3,898.23	10	3,663.51	10	3,413.77	10	3,058.97	10	2,701.75	10	2,344.54	10	1,987.32
1/4		1/4	4,362.78	1/4	4,128.06	1/4	3,893.34	1/4	3,658.62	1/4	3,406.80	1/4	3,051.53	1/4	2,694.31	1/4	2,337.10	1/4	1,979.88
1/2		1/2	4,357.89	1/2	4,123.17	1/2	3,888.45	1/2	3,653.73	1/2	3,399.84	1/2	3,044.08	1/2	2,686.86	1/2	2,329.65	1/2	1,972.43
3/4		3/4	4,353.00	3/4	4,118.28	3/4	3,883.56	3/4	3,648.84	3/4	3,392.87	3/4	3,036.64	3/4	2,679.42	3/4	2,322.21	3/4	1,964.99
11	4,528.95	11	4,348.11	11	4,113.39	11	3,878.67	11	3,643.95	11	3,385.91	11	3,029.20	11	2,671.98	11	2,314.77	11	1,957.55
1/4	4,528.40	1/4	4,343.22	1/4	4,108.50	1/4	3,873.78	1/4	3,639.06	1/4	3,378.59	1/4	3,021.76	1/4	2,664.54	1/4	2,307.33	1/4	1,950.11
1/2	4,527.86	1/2	4,338.33	1/2	4,103.61	1/2	3,868.89	1/2	3,634.17	1/2	3,371.28	1/2	3,014.31	1/2	2,657.10	1/2	2,299.88	1/2	1,942.66
3/4	4,527.31	3/4	4,333.44	3/4	4,098.72	3/4	3,864.00	3/4	3,629.28	3/4	3,363.96	3/4	3,006.87	3/4	2,649.66	3/4	2,292.44	3/4	1,935.22

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
GAUGE POINT: RIM OF 2" DIA. BALL VALVE LOCATED NEAR CENTER OF TANK.

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



BARGE "KIRBY 30081"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3012"

GAUGE HEIGHT 15-05"

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	1,927.78	0	1,570.57	0	1,213.35	0	856.14	0	498.92	0	141.70	0		0		0		0	
1/4	1,919.84	1/4	1,563.13	1/4	1,205.91	1/4	848.70	1/4	491.48	1/4	134.26	1/4		1/4		1/4		1/4	
1/2	1,911.90	1/2	1,555.68	1/2	1,198.46	1/2	841.25	1/2	484.03	1/2	126.82	1/2		1/2		1/2		1/2	
3/4	1,903.96	3/4	1,548.24	3/4	1,191.02	3/4	833.81	3/4	476.59	3/4	119.38	3/4		3/4		3/4		3/4	
1	1,896.02	1	1,540.80	1	1,183.58	1	826.37	1	469.15	1	111.94	1		1		1		1	
1/4	1,889.08	1/4	1,533.36	1/4	1,176.14	1/4	818.93	1/4	461.71	1/4	104.50	1/4		1/4		1/4		1/4	
1/2	1,882.13	1/2	1,525.91	1/2	1,168.70	1/2	811.48	1/2	454.26	1/2	97.05	1/2		1/2		1/2		1/2	
3/4	1,875.19	3/4	1,518.47	3/4	1,161.26	3/4	804.04	3/4	446.82	3/4	89.61	3/4		3/4		3/4		3/4	
2	1,868.25	2	1,511.03	2	1,153.82	2	796.60	2	439.38	2	82.17	2		2		2		2	
1/4	1,860.80	1/4	1,503.59	1/4	1,146.38	1/4	789.16	1/4	431.94	1/4	75.57	1/4		1/4		1/4		1/4	
1/2	1,853.35	1/2	1,496.14	1/2	1,138.93	1/2	781.71	1/2	424.50	1/2	68.98	1/2		1/2		1/2		1/2	
3/4	1,845.91	3/4	1,488.70	3/4	1,131.49	3/4	774.27	3/4	417.06	3/4	62.38	3/4		3/4		3/4		3/4	
3	1,838.46	3	1,481.26	3	1,124.05	3	766.83	3	409.62	3	55.79	3		3		3		3	
1/4	1,831.02	1/4	1,473.82	1/4	1,116.61	1/4	759.40	1/4	402.18	1/4	50.38	1/4		1/4		1/4		1/4	
1/2	1,823.58	1/2	1,466.38	1/2	1,109.16	1/2	751.96	1/2	394.73	1/2	44.97	1/2		1/2		1/2		1/2	
3/4	1,816.15	3/4	1,458.94	3/4	1,101.72	3/4	744.53	3/4	387.29	3/4	39.56	3/4		3/4		3/4		3/4	
4	1,808.71	4	1,451.50	4	1,094.28	4	737.10	4	379.85	4	34.15	4		4		4		4	
1/4	1,801.27	1/4	1,444.06	1/4	1,086.84	1/4	729.65	1/4	372.41	1/4	30.10	1/4		1/4		1/4		1/4	
1/2	1,793.82	1/2	1,436.61	1/2	1,079.39	1/2	722.20	1/2	364.96	1/2	26.05	1/2		1/2		1/2		1/2	
3/4	1,786.38	3/4	1,429.17	3/4	1,071.95	3/4	714.75	3/4	357.52	3/4	22.00	3/4		3/4		3/4		3/4	
5	1,778.94	5	1,421.73	5	1,064.51	5	707.30	5	350.08	5	17.95	5		5		5		5	
1/4	1,771.50	1/4	1,414.29	1/4	1,057.07	1/4	699.86	1/4	342.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,764.06	1/2	1,406.84	1/2	1,049.62	1/2	692.41	1/2	335.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,756.62	3/4	1,399.40	3/4	1,042.18	3/4	684.97	3/4	327.75	3/4		3/4		3/4		3/4		3/4	
6	1,749.18	6	1,391.96	6	1,034.74	6	677.53	6	320.31	6		6		6		6		6	
1/4	1,741.74	1/4	1,384.52	1/4	1,027.30	1/4	670.09	1/4	312.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,734.29	1/2	1,377.07	1/2	1,019.86	1/2	662.64	1/2	305.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,726.85	3/4	1,369.63	3/4	1,012.42	3/4	655.20	3/4	297.98	3/4		3/4		3/4		3/4		3/4	
7	1,719.41	7	1,362.19	7	1,004.98	7	647.76	7	290.54	7		7		7		7		7	
1/4	1,711.97	1/4	1,354.75	1/4	997.54	1/4	640.32	1/4	283.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,704.52	1/2	1,347.30	1/2	990.09	1/2	632.87	1/2	275.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,697.08	3/4	1,339.86	3/4	982.65	3/4	625.43	3/4	268.22	3/4		3/4		3/4		3/4		3/4	
8	1,689.64	8	1,332.42	8	975.21	8	617.99	8	260.78	8		8		8		8		8	
1/4	1,682.20	1/4	1,325.03	1/4	967.77	1/4	610.55	1/4	253.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,674.75	1/2	1,317.64	1/2	960.32	1/2	603.10	1/2	245.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,667.31	3/4	1,310.25	3/4	952.88	3/4	595.66	3/4	238.45	3/4		3/4		3/4		3/4		3/4	
9	1,659.87	9	1,302.86	9	945.44	9	588.22	9	231.01	9		9		9		9		9	
1/4	1,652.43	1/4	1,295.37	1/4	938.00	1/4	580.78	1/4	223.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,644.98	1/2	1,287.87	1/2	930.55	1/2	573.34	1/2	216.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,637.54	3/4	1,280.38	3/4	923.11	3/4	565.90	3/4	208.68	3/4		3/4		3/4		3/4		3/4	
10	1,630.10	10	1,272.89	10	915.67	10	558.46	10	201.24	10		10		10		10		10	
1/4	1,622.66	1/4	1,265.45	1/4	908.23	1/4	551.02	1/4	193.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,615.22	1/2	1,258.00	1/2	900.78	1/2	543.57	1/2	186.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,607.78	3/4	1,250.56	3/4	893.34	3/4	536.13	3/4	178.91	3/4		3/4		3/4		3/4		3/4	
11	1,600.34	11	1,243.12	11	885.90	11	528.69	11	171.47	11		11		11		11		11	
1/4	1,592.90	1/4	1,235.68	1/4	878.46	1/4	521.25	1/4	164.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,585.45	1/2	1,228.23	1/2	871.02	1/2	513.80	1/2	156.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,578.01	3/4	1,220.79	3/4	863.58	3/4	506.36	3/4	149.14	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 03/30/2017 SW
DECK MEASUREMENTS 06/20/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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