



BARGE "KIRBY 10207"

ULLAGE TRIM TABLE

FORMERLY "HFL 214"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 CENTER	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8
3 CENTER	- 00-1/4	00-1/4	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2	- 01-7/8	01-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

$$\begin{aligned} \text{FWD. DRAFT} &= 2'-00" \\ \text{AFT DRAFT} &= 4'-00" \\ \text{DIFF.} &= 2'-00" \quad (\text{DOWN BY STERN}) \end{aligned}$$

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

LENGTH BETWEEN DRAFT MARKS: 160'-06"

March 13, 2009

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

<http://www.pmacorp.net>



BARGE "KIRBY 10207"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HFL 214"

GAUGE HEIGHT 15'-07 1/4"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	3,428.45	3,220.71	3,006.78	2,792.84	2,579.15	2,333.15	2,086.46	1,839.78	1,593.42
1/4	1/4	3,427.59	3,216.25	3,002.32	2,788.38	2,574.71	2,328.01	2,081.32	1,834.64	1,588.28
1/2	1/2	3,425.01	3,211.80	2,997.86	2,783.93	2,569.57	2,322.81	2,076.18	1,829.51	1,583.14
3/4	3/4	3,422.44	3,207.34	2,993.40	2,779.47	2,564.33	2,317.74	2,071.04	1,824.38	1,578.00
1	1	3,419.86	3,202.88	2,988.95	2,775.01	2,559.29	2,312.60	2,065.90	1,819.25	1,572.87
1/4	1/4	3,417.28	3,198.43	2,984.49	2,770.55	2,554.15	2,307.46	2,060.76	1,814.11	1,567.73
1/2	1/2	3,414.99	3,193.97	2,980.03	2,766.10	2,549.01	2,302.32	2,056.62	1,808.98	1,562.59
3/4	3/4	3,408.69	3,189.51	2,975.58	2,761.64	2,543.87	2,297.18	2,050.48	1,803.85	1,557.45
2	2	3,404.40	3,185.06	2,971.12	2,757.18	2,538.73	2,292.04	2,045.34	1,798.72	1,552.32
1/4	1/4	3,400.11	3,180.60	2,966.66	2,752.73	2,533.59	2,286.90	2,040.20	1,793.59	1,547.18
1/2	1/2	3,394.95	3,176.14	2,962.21	2,748.27	2,528.45	2,281.76	2,035.06	1,788.46	1,542.04
3/4	3/4	3,389.80	3,171.68	2,957.75	2,743.81	2,523.32	2,276.62	2,029.92	1,783.33	1,536.91
3	3	3,384.65	3,167.23	2,953.29	2,739.36	2,518.18	2,271.48	2,024.78	1,778.19	1,531.77
1/4	1/4	3,379.49	3,162.77	2,948.83	2,734.90	2,513.04	2,266.34	2,019.64	1,773.06	1,526.63
1/2	1/2	3,374.34	3,158.31	2,944.38	2,730.44	2,507.90	2,261.20	2,014.50	1,767.93	1,521.49
3/4	3/4	3,369.19	3,153.86	2,939.92	2,725.98	2,502.76	2,256.06	2,009.37	1,762.80	1,516.36
4	4	3,364.03	3,149.40	2,935.46	2,721.53	2,497.62	2,250.92	2,004.23	1,757.67	1,511.22
1/4	1/4	3,358.88	3,144.94	2,931.01	2,717.07	2,492.48	2,245.78	1,999.09	1,752.54	1,506.08
1/2	1/2	3,354.42	3,140.49	2,926.55	2,712.61	2,487.34	2,240.64	1,993.95	1,747.40	1,500.95
3/4	3/4	3,349.96	3,136.03	2,922.09	2,708.16	2,482.20	2,235.50	1,988.81	1,742.27	1,495.81
5	5	3,345.51	3,131.57	2,917.64	2,703.70	2,477.06	2,230.36	1,983.67	1,737.14	1,490.67
1/4	1/4	3,341.05	3,127.11	2,913.18	2,699.24	2,471.92	2,225.22	1,978.53	1,732.01	1,485.53
1/2	1/2	3,336.59	3,122.66	2,908.72	2,694.79	2,466.78	2,220.08	1,973.39	1,726.88	1,480.40
3/4	3/4	3,332.14	3,118.20	2,904.26	2,690.33	2,461.64	2,214.95	1,968.25	1,721.75	1,475.26
6	6	3,327.68	3,113.74	2,899.81	2,685.87	2,456.50	2,209.81	1,963.11	1,716.61	1,470.12
1/4	1/4	3,323.22	3,109.29	2,895.35	2,681.41	2,451.36	2,204.67	1,957.97	1,711.48	1,464.99
1/2	1/2	3,318.77	3,104.83	2,890.89	2,676.96	2,446.22	2,199.53	1,952.83	1,706.35	1,459.85
3/4	3/4	3,314.31	3,100.37	2,886.44	2,672.50	2,441.08	2,194.39	1,947.69	1,701.22	1,454.71
7	7	3,309.85	3,095.92	2,881.98	2,668.04	2,435.94	2,189.25	1,942.55	1,696.09	1,449.57
1/4	1/4	3,305.39	3,091.46	2,877.52	2,663.59	2,430.80	2,184.11	1,937.41	1,690.96	1,444.44
1/2	1/2	3,300.94	3,087.00	2,873.07	2,659.14	2,425.66	2,178.97	1,932.27	1,685.83	1,439.30
3/4	3/4	3,296.48	3,082.54	2,868.61	2,654.70	2,420.53	2,173.83	1,927.13	1,680.69	1,434.16
8	8	3,292.02	3,078.09	2,864.15	2,650.25	2,415.39	2,168.69	1,921.99	1,675.56	1,429.02
1/4	1/4	3,287.57	3,073.63	2,859.69	2,645.81	2,410.25	2,163.55	1,916.85	1,670.43	1,423.89
1/2	1/2	3,283.11	3,069.17	2,855.24	2,641.37	2,405.11	2,158.41	1,911.71	1,665.30	1,418.75
3/4	3/4	3,278.65	3,064.72	2,850.78	2,636.92	2,399.97	2,153.27	1,906.58	1,660.17	1,413.61
9	9	3,274.20	3,060.26	2,846.32	2,632.48	2,394.83	2,148.13	1,901.44	1,655.04	1,408.48
1/4	1/4	3,269.74	3,055.80	2,841.87	2,628.04	2,389.69	2,142.99	1,896.30	1,649.90	1,403.34
1/2	1/2	3,265.28	3,051.35	2,837.41	2,623.59	2,384.55	2,137.85	1,891.16	1,644.77	1,398.20
3/4	3/4	3,260.82	3,046.89	2,832.95	2,619.15	2,379.41	2,132.71	1,886.02	1,639.64	1,393.06
10	10	3,256.37	3,042.43	2,828.50	2,614.70	2,374.27	2,127.57	1,880.88	1,634.51	1,387.93
1/4	1/4	3,251.91	3,037.97	2,824.04	2,610.26	2,369.13	2,122.43	1,875.74	1,629.38	1,382.79
1/2	1/2	3,247.45	3,033.52	2,819.58	2,605.82	2,363.99	2,117.29	1,870.60	1,624.24	1,377.65
3/4	3/4	3,243.00	3,029.06	2,815.12	2,601.37	2,358.85	2,112.16	1,865.46	1,619.10	1,372.52
11	11	3,238.54	3,024.60	2,810.67	2,596.93	2,353.71	2,107.02	1,860.32	1,613.96	1,367.38
1/4	1/4	3,234.08	3,020.15	2,806.21	2,592.49	2,348.57	2,101.88	1,855.18	1,608.83	1,362.24
1/2	1/2	3,229.63	3,015.69	2,801.75	2,588.04	2,343.43	2,096.74	1,850.05	1,603.69	1,357.10
3/4	3/4	3,225.17	3,011.23	2,797.30	2,583.60	2,338.29	2,091.60	1,844.91	1,598.55	1,351.97

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 TO THE THREADS ON "MMC" STANDPIPE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 26'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77568

http://www.pimacorp.net



BARGE "KIRBY 10207"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HFL 214"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,346.83	0	1,100.24	0	853.66	0	606.72	0	366.36	0	119.09	0	0	0	0	0	0	0	0
1/4	1,341.69	1/4	1,095.11	1/4	848.52	1/4	601.57	1/4	361.22	1/4	113.94	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,336.56	1/2	1,089.97	1/2	843.38	1/2	596.57	1/2	356.07	1/2	108.79	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,331.42	3/4	1,084.83	3/4	838.25	3/4	591.57	3/4	350.93	3/4	103.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,326.28	1	1,079.70	1	833.11	1	586.57	1	345.78	1	98.48	1	1	1	1	1	1	1	1
1/4	1,321.14	1/4	1,074.56	1/4	827.97	1/4	581.58	1/4	340.63	1/4	93.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,316.01	1/2	1,069.42	1/2	822.84	1/2	576.60	1/2	335.48	1/2	88.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,310.87	3/4	1,064.28	3/4	817.70	3/4	571.63	3/4	330.33	3/4	83.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,305.73	2	1,059.15	2	812.56	2	566.65	2	325.18	2	77.88	2	2	2	2	2	2	2	2
1/4	1,300.59	1/4	1,054.01	1/4	807.42	1/4	561.68	1/4	320.02	1/4	72.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,295.46	1/2	1,048.87	1/2	802.29	1/2	556.70	1/2	314.87	1/2	67.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,290.32	3/4	1,043.73	3/4	797.15	3/4	551.73	3/4	309.72	3/4	62.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,285.18	3	1,038.60	3	792.01	3	546.76	3	304.57	3	57.31	3	3	3	3	3	3	3	3
1/4	1,280.05	1/4	1,033.46	1/4	786.87	1/4	541.78	1/4	299.41	1/4	52.17	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,274.91	1/2	1,028.32	1/2	781.74	1/2	536.81	1/2	294.26	1/2	46.87	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,269.77	3/4	1,023.19	3/4	776.60	3/4	531.83	3/4	289.11	3/4	41.58	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,264.63	4	1,018.05	4	771.46	4	526.86	4	283.96	4	36.66	4	4	4	4	4	4	4	4
1/4	1,259.50	1/4	1,012.91	1/4	766.33	1/4	521.88	1/4	278.81	1/4	31.74	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,254.36	1/2	1,007.77	1/2	761.18	1/2	516.91	1/2	273.65	1/2	27.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,249.22	3/4	1,002.64	3/4	756.03	3/4	511.93	3/4	268.50	3/4	23.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,244.09	5	997.50	5	750.88	5	506.96	5	263.35	5	18.86	5	5	5	5	5	5	5	5
1/4	1,238.95	1/4	992.36	1/4	745.73	1/4	501.98	1/4	258.20	1/4	14.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,233.81	1/2	987.23	1/2	740.58	1/2	497.01	1/2	253.04	1/2	11.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,228.67	3/4	982.09	3/4	735.43	3/4	492.03	3/4	247.89	3/4	9.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,223.54	6	976.95	6	730.28	6	487.06	6	242.74	6	6.84	6	6	6	6	6	6	6	6
1/4	1,218.40	1/4	971.81	1/4	725.14	1/4	482.09	1/4	237.59	1/4	4.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,213.26	1/2	966.68	1/2	719.99	1/2	477.11	1/2	232.43	1/2	3.41	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,208.13	3/4	961.54	3/4	714.84	3/4	472.14	3/4	227.28	3/4	2.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,202.99	7	956.40	7	709.69	7	467.16	7	222.13	7	1.69	7	7	7	7	7	7	7	7
1/4	1,197.85	1/4	951.27	1/4	704.54	1/4	462.19	1/4	216.98	1/4	0.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,192.71	1/2	946.13	1/2	699.39	1/2	457.21	1/2	211.82	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,187.58	3/4	940.99	3/4	694.24	3/4	452.24	3/4	206.67	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,182.44	8	935.85	8	689.10	8	447.26	8	201.52	8	0.00	8	8	8	8	8	8	8	8
1/4	1,177.30	1/4	930.72	1/4	683.95	1/4	442.29	1/4	196.37	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,172.16	1/2	925.58	1/2	678.80	1/2	437.31	1/2	191.22	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,167.03	3/4	920.44	3/4	673.65	3/4	432.34	3/4	186.07	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,161.89	9	915.30	9	668.50	9	427.36	9	180.92	9	0.00	9	9	9	9	9	9	9	9
1/4	1,156.75	1/4	910.17	1/4	663.35	1/4	422.39	1/4	175.76	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,151.62	1/2	905.03	1/2	658.20	1/2	417.39	1/2	170.61	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,146.48	3/4	899.89	3/4	653.05	3/4	412.39	3/4	165.46	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,141.34	10	894.76	10	647.91	10	407.39	10	160.31	10	0.00	10	10	10	10	10	10	10	10
1/4	1,136.20	1/4	889.62	1/4	642.76	1/4	402.39	1/4	155.16	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,131.07	1/2	884.48	1/2	637.61	1/2	397.24	1/2	150.01	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,125.93	3/4	879.34	3/4	632.46	3/4	392.09	3/4	144.85	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,120.79	11	874.21	11	627.31	11	386.93	11	139.70	11	0.00	11	11	11	11	11	11	11	11
1/4	1,115.66	1/4	869.07	1/4	622.16	1/4	381.78	1/4	134.55	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,110.52	1/2	863.93	1/2	617.01	1/2	376.64	1/2	129.40	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,105.38	3/4	858.80	3/4	611.86	3/4	371.50	3/4	124.24	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2009 CL - SW
 CALCULATED: 03/13/2009 CL
 PRINTED: 03/13/2009 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 03/2009

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 20892
 Pearland, Texas 77568
 http://www.pmacorp.net





BARGE "KIRBY 10207"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,502.29	0	1,225.82	0	949.36	0	672.90	0	403.71	0	127.26	0	0	0	0	0	0	0	0	0
1/4	1,496.53	1/4	1,220.06	1/4	943.60	1/4	667.32	1/4	397.96	1/4	121.50	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,490.77	1/2	1,214.31	1/2	937.84	1/2	661.73	1/2	392.20	1/2	115.74	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,485.01	3/4	1,208.55	3/4	932.08	3/4	656.15	3/4	386.44	3/4	109.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,479.25	1	1,202.79	1	926.33	1	650.56	1	380.67	1	104.23	1	1	1	1	1	1	1	1	1
1/4	1,473.49	1/4	1,197.03	1/4	920.57	1/4	644.98	1/4	374.91	1/4	98.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,467.73	1/2	1,191.27	1/2	914.81	1/2	639.41	1/2	369.15	1/2	92.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,461.97	3/4	1,185.51	3/4	909.05	3/4	633.83	3/4	363.39	3/4	86.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,456.21	2	1,179.75	2	903.29	2	628.26	2	357.63	2	81.20	2	2	2	2	2	2	2	2	2
1/4	1,450.45	1/4	1,173.99	1/4	897.53	1/4	622.68	1/4	351.87	1/4	75.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,444.69	1/2	1,168.23	1/2	891.77	1/2	617.10	1/2	346.11	1/2	69.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,438.93	3/4	1,162.47	3/4	886.01	3/4	611.53	3/4	340.35	3/4	63.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,433.17	3	1,156.71	3	880.25	3	605.95	3	334.59	3	58.22	3	3	3	3	3	3	3	3	3
1/4	1,427.41	1/4	1,150.95	1/4	874.49	1/4	600.38	1/4	328.84	1/4	52.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,421.65	1/2	1,145.19	1/2	868.73	1/2	594.80	1/2	323.08	1/2	46.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,415.89	3/4	1,139.43	3/4	862.97	3/4	589.22	3/4	317.32	3/4	40.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,410.13	4	1,133.67	4	857.21	4	583.65	4	311.56	4	35.38	4	4	4	4	4	4	4	4	4
1/4	1,404.37	1/4	1,127.91	1/4	851.45	1/4	578.07	1/4	305.80	1/4	30.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,398.61	1/2	1,122.15	1/2	845.69	1/2	572.50	1/2	300.04	1/2	25.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,392.85	3/4	1,116.39	3/4	839.93	3/4	566.92	3/4	294.28	3/4	20.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,387.09	5	1,110.63	5	834.17	5	561.34	5	288.52	5	16.19	5	5	5	5	5	5	5	5	5
1/4	1,381.33	1/4	1,104.87	1/4	828.41	1/4	555.77	1/4	282.76	1/4	13.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,375.57	1/2	1,099.11	1/2	822.65	1/2	550.19	1/2	277.00	1/2	10.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,369.81	3/4	1,093.35	3/4	816.89	3/4	544.61	3/4	271.24	3/4	7.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,364.05	6	1,087.59	6	811.13	6	539.04	6	265.48	6	4.67	6	6	6	6	6	6	6	6	6
1/4	1,358.30	1/4	1,081.83	1/4	805.37	1/4	533.46	1/4	259.72	1/4	3.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,352.54	1/2	1,076.07	1/2	799.61	1/2	527.89	1/2	253.97	1/2	2.75	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,346.78	3/4	1,070.32	3/4	793.85	3/4	522.31	3/4	248.21	3/4	1.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,341.02	7	1,064.56	7	788.09	7	516.73	7	242.45	7	0.83	7	7	7	7	7	7	7	7	7
1/4	1,335.26	1/4	1,058.80	1/4	782.34	1/4	511.16	1/4	236.69	1/4	0.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,329.50	1/2	1,053.04	1/2	776.58	1/2	505.58	1/2	230.93	1/2	0.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,323.74	3/4	1,047.28	3/4	770.82	3/4	500.01	3/4	225.17	3/4	0.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,317.98	8	1,041.52	8	765.06	8	494.43	8	219.41	8	0.83	8	8	8	8	8	8	8	8	8
1/4	1,312.22	1/4	1,035.76	1/4	759.30	1/4	488.85	1/4	213.65	1/4	0.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,306.46	1/2	1,030.00	1/2	753.54	1/2	483.28	1/2	207.89	1/2	0.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,300.70	3/4	1,024.24	3/4	747.78	3/4	477.70	3/4	202.13	3/4	0.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,294.94	9	1,018.48	9	742.02	9	472.13	9	196.37	9	0.83	9	9	9	9	9	9	9	9	9
1/4	1,289.18	1/4	1,012.72	1/4	736.26	1/4	466.54	1/4	190.61	1/4	0.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,283.42	1/2	1,006.96	1/2	730.50	1/2	460.95	1/2	184.86	1/2	0.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,277.66	3/4	1,001.20	3/4	724.74	3/4	455.37	3/4	179.10	3/4	0.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,271.90	10	995.44	10	718.98	10	449.78	10	173.34	10	0.83	10	10	10	10	10	10	10	10	10
1/4	1,266.14	1/4	989.68	1/4	713.22	1/4	444.02	1/4	167.58	1/4	0.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,260.38	1/2	983.92	1/2	707.46	1/2	438.26	1/2	161.82	1/2	0.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,254.62	3/4	978.16	3/4	701.70	3/4	432.51	3/4	156.06	3/4	0.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,248.86	11	972.40	11	695.94	11	426.75	11	150.30	11	0.83	11	11	11	11	11	11	11	11	11
1/4	1,243.10	1/4	966.64	1/4	690.18	1/4	420.99	1/4	144.54	1/4	0.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,237.34	1/2	960.88	1/2	684.42	1/2	415.23	1/2	138.78	1/2	0.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,231.58	3/4	955.12	3/4	678.66	3/4	409.47	3/4	133.02	3/4	0.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2009 CL - SW
CALCULATED: 03/13/2009 CL
PRINTED: 03/13/2009 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2009

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



BARGE "KIRBY 10207"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HFL 214"

GAUGE HEIGHT 15'-07"

Table with 18 columns (0 FT. to 9 FT.) and 18 rows of capacity data. Each cell contains a number representing capacity in barrels, with a fraction below it (e.g., 3,529.10 0, 3,529.10 1/4, etc.).

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 TO THE THREADS ON "MMC" STANDPIPE.

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 25'-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

Signature: Paul J. ...



BARGE "KIRBY 10207"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HFL 214"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,337.53	0	1,092.52	0	847.50	0	602.49	0	357.89	0	112.88	0		0		0		0	
1/4	1,332.43	1/4	1,087.41	1/4	842.40	1/4	597.39	1/4	352.79	1/4	107.78	1/4		1/4		1/4		1/4	
1/2	1,327.32	1/2	1,082.31	1/2	837.29	1/2	592.29	1/2	347.68	1/2	102.68	1/2		1/2		1/2		1/2	
3/4	1,322.22	3/4	1,077.20	3/4	832.19	3/4	587.19	3/4	342.58	3/4	97.57	3/4		3/4		3/4		3/4	
1	1,317.12	1	1,072.10	1	827.08	1	582.10	1	337.47	1	92.47	1		1		1		1	
1/4	1,312.01	1/4	1,067.00	1/4	821.98	1/4	577.00	1/4	332.37	1/4	87.36	1/4		1/4		1/4		1/4	
1/2	1,306.91	1/2	1,061.89	1/2	816.87	1/2	571.91	1/2	327.27	1/2	82.26	1/2		1/2		1/2		1/2	
3/4	1,301.80	3/4	1,056.79	3/4	811.77	3/4	566.82	3/4	322.16	3/4	77.16	3/4		3/4		3/4		3/4	
2	1,296.70	2	1,051.68	2	806.67	2	561.72	2	317.06	2	72.06	2		2		2		2	
1/4	1,291.59	1/4	1,046.58	1/4	801.56	1/4	556.63	1/4	311.95	1/4	66.96	1/4		1/4		1/4		1/4	
1/2	1,286.49	1/2	1,041.47	1/2	796.46	1/2	551.54	1/2	306.85	1/2	61.87	1/2		1/2		1/2		1/2	
3/4	1,281.38	3/4	1,036.37	3/4	791.35	3/4	546.45	3/4	301.74	3/4	56.78	3/4		3/4		3/4		3/4	
3	1,276.28	3	1,031.26	3	786.25	3	541.35	3	296.64	3	51.69	3		3		3		3	
1/4	1,271.18	1/4	1,026.16	1/4	781.14	1/4	536.26	1/4	291.54	1/4	46.44	1/4		1/4		1/4		1/4	
1/2	1,266.07	1/2	1,021.05	1/2	776.04	1/2	531.17	1/2	286.43	1/2	41.20	1/2		1/2		1/2		1/2	
3/4	1,260.97	3/4	1,015.95	3/4	770.93	3/4	526.07	3/4	281.33	3/4	36.32	3/4		3/4		3/4		3/4	
4	1,255.86	4	1,010.85	4	765.83	4	520.98	4	276.22	4	31.45	4		4		4		4	
1/4	1,250.76	1/4	1,005.74	1/4	760.73	1/4	515.89	1/4	271.12	1/4	27.20	1/4		1/4		1/4		1/4	
1/2	1,245.65	1/2	1,000.64	1/2	755.62	1/2	510.79	1/2	266.01	1/2	22.95	1/2		1/2		1/2		1/2	
3/4	1,240.55	3/4	995.53	3/4	750.52	3/4	505.70	3/4	260.91	3/4	18.70	3/4		3/4		3/4		3/4	
5	1,235.44	5	990.43	5	745.41	5	500.61	5	255.81	5	14.44	5		5		5		5	
1/4	1,230.34	1/4	985.32	1/4	740.31	1/4	495.51	1/4	250.70	1/4	11.89	1/4		1/4		1/4		1/4	
1/2	1,225.23	1/2	980.22	1/2	735.20	1/2	490.42	1/2	245.60	1/2	9.34	1/2		1/2		1/2		1/2	
3/4	1,220.13	3/4	975.11	3/4	730.10	3/4	485.33	3/4	240.49	3/4	6.79	3/4		3/4		3/4		3/4	
6	1,215.03	6	970.01	6	724.99	6	480.23	6	235.39	6	4.24	6		6		6		6	
1/4	1,209.92	1/4	964.91	1/4	719.89	1/4	475.14	1/4	230.28	1/4	3.39	1/4		1/4		1/4		1/4	
1/2	1,204.82	1/2	959.80	1/2	714.78	1/2	470.05	1/2	225.18	1/2	2.53	1/2		1/2		1/2		1/2	
3/4	1,199.71	3/4	954.70	3/4	709.68	3/4	464.95	3/4	220.07	3/4	1.68	3/4		3/4		3/4		3/4	
7	1,194.61	7	949.59	7	704.58	7	459.86	7	214.97	7	0.83	7		7		7		7	
1/4	1,189.50	1/4	944.49	1/4	699.47	1/4	454.77	1/4	209.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,184.40	1/2	939.38	1/2	694.37	1/2	449.67	1/2	204.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,179.29	3/4	934.28	3/4	688.26	3/4	444.58	3/4	199.66	3/4		3/4		3/4		3/4		3/4	
8	1,174.19	8	929.17	8	684.16	8	439.49	8	194.55	8		8		8		8		8	
1/4	1,169.09	1/4	924.07	1/4	679.05	1/4	434.39	1/4	189.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,163.98	1/2	918.96	1/2	673.95	1/2	429.30	1/2	184.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,158.88	3/4	913.86	3/4	668.84	3/4	424.21	3/4	179.24	3/4		3/4		3/4		3/4		3/4	
9	1,153.77	9	908.76	9	663.74	9	419.12	9	174.14	9		9		9		9		9	
1/4	1,148.67	1/4	903.65	1/4	658.64	1/4	414.02	1/4	169.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,143.56	1/2	898.55	1/2	653.53	1/2	408.92	1/2	163.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,138.46	3/4	893.44	3/4	648.43	3/4	403.82	3/4	158.82	3/4		3/4		3/4		3/4		3/4	
10	1,133.35	10	888.34	10	643.32	10	398.73	10	153.72	10		10		10		10		10	
1/4	1,128.25	1/4	883.23	1/4	638.22	1/4	393.62	1/4	148.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,123.14	1/2	878.13	1/2	633.11	1/2	388.52	1/2	143.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,118.04	3/4	873.02	3/4	628.01	3/4	383.41	3/4	138.41	3/4		3/4		3/4		3/4		3/4	
11	1,112.94	11	867.92	11	622.90	11	378.31	11	133.31	11		11		11		11		11	
1/4	1,107.83	1/4	862.82	1/4	617.80	1/4	373.20	1/4	128.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,102.73	1/2	857.71	1/2	612.69	1/2	368.10	1/2	123.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,097.62	3/4	852.61	3/4	607.59	3/4	363.00	3/4	117.99	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2009 CL - SW
CALCULATED: 03/13/2009 CL
PRINTED: 03/13/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2009

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77586
<http://www.pmacorp.net>