



BARGE "HBC 301"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
3 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-2/8	- 03-2/8
3 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-2/8	- 03-2/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 253'-03"

April 14, 2011

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 301"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
0		0	5,297.07	0	4,955.47	0	4,594.28	0	4,232.04	0	3,869.80	0	3,507.56	0	3,145.32	0	2,782.91	0	2,420.36		
1/4		1/4	5,292.28	1/4	4,947.95	1/4	4,586.74	1/4	4,224.49	1/4	3,862.25	1/4	3,500.01	1/4	3,137.77	1/4	2,775.35	1/4	2,412.81		
1/2		1/2	5,287.49	1/2	4,940.43	1/2	4,579.19	1/2	4,216.95	1/2	3,854.71	1/2	3,492.46	1/2	3,130.22	1/2	2,767.80	1/2	2,405.25		
3/4		3/4	5,282.69	3/4	4,932.91	3/4	4,571.64	3/4	4,209.40	3/4	3,847.16	3/4	3,484.92	3/4	3,122.68	3/4	2,760.25	3/4	2,397.70		
1		1	5,277.90	1	4,925.40	1	4,564.10	1	4,201.85	1	3,839.61	1	3,477.37	1	3,115.13	1	2,752.69	1	2,390.15		
1/4		1/4	5,271.85	1/4	4,917.88	1/4	4,556.55	1/4	4,194.31	1/4	3,832.07	1/4	3,469.82	1/4	3,107.58	1/4	2,745.14	1/4	2,382.59		
1/2		1/2	5,265.79	1/2	4,910.36	1/2	4,549.00	1/2	4,186.76	1/2	3,824.52	1/2	3,462.28	1/2	3,100.04	1/2	2,737.59	1/2	2,375.04		
3/4		3/4	5,259.74	3/4	4,902.84	3/4	4,541.46	3/4	4,179.21	3/4	3,816.97	3/4	3,454.73	3/4	3,092.49	3/4	2,730.04	3/4	2,367.49		
2		2	5,253.68	2	4,895.33	2	4,533.91	2	4,171.67	2	3,809.43	2	3,447.18	2	3,084.94	2	2,722.48	2	2,359.93		
1/4		1/4	5,246.38	1/4	4,887.81	1/4	4,526.36	1/4	4,164.12	1/4	3,801.88	1/4	3,439.64	1/4	3,077.40	1/4	2,714.93	1/4	2,352.38		
1/2		1/2	5,239.07	1/2	4,880.29	1/2	4,518.82	1/2	4,156.57	1/2	3,794.33	1/2	3,432.09	1/2	3,069.85	1/2	2,707.38	1/2	2,344.83		
3/4		3/4	5,231.76	3/4	4,872.77	3/4	4,511.27	3/4	4,149.03	3/4	3,786.79	3/4	3,424.54	3/4	3,062.30	3/4	2,699.82	3/4	2,337.27		
3		3	5,224.45	3	4,865.26	3	4,503.72	3	4,141.48	3	3,779.24	3	3,417.00	3	3,054.76	3	2,692.27	3	2,329.72		
1/4		1/4	5,217.01	1/4	4,857.74	1/4	4,496.18	1/4	4,133.93	1/4	3,771.69	1/4	3,409.45	1/4	3,047.21	1/4	2,684.72	1/4	2,322.17		
1/2		1/2	5,209.57	1/2	4,850.22	1/2	4,488.63	1/2	4,126.39	1/2	3,764.15	1/2	3,401.90	1/2	3,039.66	1/2	2,677.16	1/2	2,314.61		
3/4		3/4	5,202.13	3/4	4,842.70	3/4	4,481.08	3/4	4,118.84	3/4	3,756.60	3/4	3,394.36	3/4	3,032.12	3/4	2,669.61	3/4	2,307.06		
4		4	5,194.69	4	4,835.19	4	4,473.54	4	4,111.29	4	3,749.05	4	3,386.81	4	3,024.57	4	2,662.06	4	2,299.51		
1/4		1/4	5,187.25	1/4	4,827.67	1/4	4,465.99	1/4	4,103.75	1/4	3,741.51	1/4	3,379.26	1/4	3,017.02	1/4	2,654.50	1/4	2,291.96		
1/2		1/2	5,179.82	1/2	4,820.15	1/2	4,458.44	1/2	4,096.20	1/2	3,733.96	1/2	3,371.72	1/2	3,009.48	1/2	2,646.95	1/2	2,284.40		
3/4		3/4	5,172.38	3/4	4,812.63	3/4	4,450.90	3/4	4,088.65	3/4	3,726.41	3/4	3,364.17	3/4	3,001.93	3/4	2,639.40	3/4	2,276.85		
5		5	5,164.94	5	4,805.12	5	4,443.35	5	4,081.11	5	3,718.87	5	3,356.62	5	2,994.38	5	2,631.85	5	2,269.30		
1/4		1/4	5,157.51	1/4	4,797.60	1/4	4,435.80	1/4	4,073.56	1/4	3,711.32	1/4	3,349.08	1/4	2,986.83	1/4	2,624.29	1/4	2,261.74		
1/2		1/2	5,150.07	1/2	4,790.08	1/2	4,428.26	1/2	4,066.01	1/2	3,703.77	1/2	3,341.53	1/2	2,979.28	1/2	2,616.74	1/2	2,254.19		
3/4		3/4	5,142.64	3/4	4,782.56	3/4	4,420.71	3/4	4,058.47	3/4	3,696.23	3/4	3,333.98	3/4	2,971.73	3/4	2,609.19	3/4	2,246.64		
6		6	5,135.20	6	4,775.05	6	4,413.16	6	4,050.92	6	3,688.68	6	3,326.44	6	2,964.18	6	2,601.63	6	2,239.08		
1/4		1/4	5,127.76	1/4	4,767.53	1/4	4,405.62	1/4	4,043.37	1/4	3,681.13	1/4	3,318.89	1/4	2,956.62	1/4	2,594.08	1/4	2,231.53		
1/2		1/2	5,120.33	1/2	4,760.01	1/2	4,398.07	1/2	4,035.83	1/2	3,673.59	1/2	3,311.34	1/2	2,949.07	1/2	2,586.53	1/2	2,223.98		
3/4		3/4	5,112.89	3/4	4,752.49	3/4	4,390.52	3/4	4,028.28	3/4	3,666.04	3/4	3,303.80	3/4	2,941.52	3/4	2,578.97	3/4	2,216.42		
7		7	5,105.45	7	4,744.97	7	4,382.98	7	4,020.73	7	3,658.49	7	3,296.25	7	2,933.97	7	2,571.42	7	2,208.87		
1/4		1/4	5,098.02	1/4	4,737.46	1/4	4,375.43	1/4	4,013.19	1/4	3,650.95	1/4	3,288.70	1/4	2,926.41	1/4	2,563.87	1/4	2,201.32		
1/2		1/2	5,090.58	1/2	4,729.94	1/2	4,367.88	1/2	4,005.64	1/2	3,643.40	1/2	3,281.16	1/2	2,918.86	1/2	2,556.31	1/2	2,193.77		
3/4		3/4	5,083.14	3/4	4,722.42	3/4	4,360.34	3/4	3,998.09	3/4	3,635.85	3/4	3,273.61	3/4	2,911.31	3/4	2,548.76	3/4	2,186.21		
8		8	5,075.71	8	4,714.90	8	4,352.79	8	3,990.55	8	3,628.31	8	3,266.06	8	2,903.76	8	2,541.21	8	2,178.66		
1/4		1/4	5,068.20	1/4	4,707.39	1/4	4,345.24	1/4	3,983.00	1/4	3,620.76	1/4	3,258.52	1/4	2,896.21	1/4	2,533.65	1/4	2,171.11		
1/2		1/2	5,060.69	1/2	4,699.87	1/2	4,337.69	1/2	3,975.45	1/2	3,613.21	1/2	3,250.97	1/2	2,888.65	1/2	2,526.10	1/2	2,163.55		
3/4		3/4	5,053.19	3/4	4,692.35	3/4	4,330.15	3/4	3,967.91	3/4	3,605.67	3/4	3,243.42	3/4	2,881.10	3/4	2,518.55	3/4	2,156.00		
9		9	5,045.68	9	4,684.83	9	4,322.60	9	3,960.36	9	3,598.12	9	3,235.88	9	2,873.55	9	2,511.00	9	2,148.45		
1/4		1/4	5,038.16	1/4	4,677.29	1/4	4,315.05	1/4	3,952.81	1/4	3,590.57	1/4	3,228.33	1/4	2,866.00	1/4	2,503.44	1/4	2,140.89		
1/2		1/2	5,030.64	1/2	4,669.75	1/2	4,307.51	1/2	3,945.27	1/2	3,583.02	1/2	3,220.78	1/2	2,858.44	1/2	2,495.89	1/2	2,133.34		
3/4		3/4	5,023.13	3/4	4,662.20	3/4	4,299.96	3/4	3,937.72	3/4	3,575.48	3/4	3,213.24	3/4	2,850.89	3/4	2,488.34	3/4	2,125.79		
10		10	5,015.61	10	4,654.66	10	4,292.41	10	3,930.17	10	3,567.93	10	3,205.69	10	2,843.34	10	2,480.78	10	2,118.23		
1/4		1/4	5,008.09	1/4	4,647.11	1/4	4,284.87	1/4	3,922.63	1/4	3,560.38	1/4	3,198.14	1/4	2,835.79	1/4	2,473.23	1/4	2,110.68		
1/2		1/2	5,000.57	1/2	4,639.56	1/2	4,277.32	1/2	3,915.08	1/2	3,552.84	1/2	3,190.60	1/2	2,828.23	1/2	2,465.68	1/2	2,103.13		
3/4		3/4	4,993.06	3/4	4,632.02	3/4	4,269.77	3/4	3,907.53	3/4	3,545.29	3/4	3,183.05	3/4	2,820.68	3/4	2,458.12	3/4	2,095.58		
11		11	4,985.54	11	4,624.47	11	4,262.23	11	3,899.99	11	3,537.74	11	3,175.50	11	2,813.13	11	2,450.57	11	2,088.02		
1/4		1/4	4,978.02	1/4	4,616.92	1/4	4,254.68	1/4	3,892.44	1/4	3,530.20	1/4	3,167.96	1/4	2,805.57	1/4	2,443.02	1/4	2,080.47		
1/2		1/2	5,304.14	1/2	4,970.50	1/2	4,609.38	1/2	4,247.13	1/2	3,884.89	1/2	3,522.65	1/2	3,160.41	1/2	2,798.02	1/2	2,435.46	1/2	2,072.92
3/4		3/4	5,300.60	3/4	4,962.99	3/4	4,601.83	3/4	4,239.59	3/4	3,877.35	3/4	3,515.10	3/4	3,152.86	3/4	2,790.46	3/4	2,427.91	3/4	2,065.36

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 TOP OF 2" HERMETIC CLOSED GAUGING VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 301"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,057.81	0	1,695.26	0	1,332.71	0	970.47	0	608.08	0	245.54	0		0		0		0	
1/4	2,050.26	1/4	1,687.71	1/4	1,325.16	1/4	962.93	1/4	600.53	1/4	237.99	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,042.70	1/2	1,680.15	1/2	1,317.61	1/2	955.39	1/2	592.97	1/2	230.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,035.15	3/4	1,672.60	3/4	1,310.05	3/4	947.85	3/4	585.42	3/4	222.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,027.60	1	1,665.05	1	1,302.50	1	940.31	1	577.87	1	215.33	1	1	1	1	1	1	1	1
1/4	2,020.04	1/4	1,657.50	1/4	1,294.95	1/4	932.76	1/4	570.31	1/4	207.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,012.49	1/2	1,649.94	1/2	1,287.39	1/2	925.22	1/2	562.76	1/2	200.22	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,004.94	3/4	1,642.39	3/4	1,279.84	3/4	917.68	3/4	555.21	3/4	192.67	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,997.38	2	1,634.84	2	1,272.29	2	910.14	2	547.65	2	185.12	2	2	2	2	2	2	2	2
1/4	1,989.83	1/4	1,627.28	1/4	1,264.73	1/4	902.60	1/4	540.10	1/4	177.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,982.28	1/2	1,619.73	1/2	1,257.18	1/2	895.06	1/2	532.55	1/2	170.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,974.73	3/4	1,612.18	3/4	1,249.63	3/4	887.51	3/4	525.00	3/4	162.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,967.17	3	1,604.62	3	1,242.07	3	879.97	3	517.44	3	154.91	3	3	3	3	3	3	3	3
1/4	1,959.62	1/4	1,597.07	1/4	1,234.52	1/4	872.42	1/4	509.89	1/4	147.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,952.07	1/2	1,589.52	1/2	1,226.97	1/2	864.87	1/2	502.34	1/2	139.82	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,944.51	3/4	1,581.96	3/4	1,219.42	3/4	857.32	3/4	494.78	3/4	132.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,936.96	4	1,574.41	4	1,211.86	4	849.77	4	487.23	4	124.73	4	4	4	4	4	4	4	4
1/4	1,929.41	1/4	1,566.86	1/4	1,204.31	1/4	842.22	1/4	479.68	1/4	117.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,921.85	1/2	1,559.30	1/2	1,196.76	1/2	834.66	1/2	472.13	1/2	109.68	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,914.30	3/4	1,551.75	3/4	1,189.20	3/4	827.11	3/4	464.57	3/4	102.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,906.75	5	1,544.20	5	1,181.65	5	819.56	5	457.02	5	94.64	5	5	5	5	5	5	5	5
1/4	1,899.19	1/4	1,536.65	1/4	1,174.11	1/4	812.01	1/4	449.47	1/4	87.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,891.64	1/2	1,529.09	1/2	1,166.56	1/2	804.45	1/2	441.91	1/2	80.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,884.09	3/4	1,521.54	3/4	1,159.02	3/4	796.90	3/4	434.36	3/4	73.65	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,876.54	6	1,513.99	6	1,151.48	6	789.35	6	426.81	6	66.66	6	6	6	6	6	6	6	6
1/4	1,868.98	1/4	1,506.43	1/4	1,143.94	1/4	781.79	1/4	419.26	1/4	60.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,861.43	1/2	1,498.88	1/2	1,136.39	1/2	774.24	1/2	411.70	1/2	55.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,853.88	3/4	1,491.33	3/4	1,128.85	3/4	766.69	3/4	404.15	3/4	49.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,846.32	7	1,483.77	7	1,121.31	7	759.14	7	396.60	7	43.37	7	7	7	7	7	7	7	7
1/4	1,838.77	1/4	1,476.22	1/4	1,113.77	1/4	751.58	1/4	389.04	1/4	38.81	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,831.22	1/2	1,468.67	1/2	1,106.23	1/2	744.03	1/2	381.49	1/2	34.24	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,823.66	3/4	1,461.11	3/4	1,098.68	3/4	736.48	3/4	373.94	3/4	29.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,816.11	8	1,453.56	8	1,091.14	8	728.92	8	366.39	8	25.12	8	8	8	8	8	8	8	8
1/4	1,808.56	1/4	1,446.01	1/4	1,083.60	1/4	721.37	1/4	358.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,801.00	1/2	1,438.46	1/2	1,076.06	1/2	713.82	1/2	351.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,793.45	3/4	1,430.90	3/4	1,068.52	3/4	706.27	3/4	343.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,785.90	9	1,423.35	9	1,060.98	9	698.71	9	336.17	9		9	9	9	9	9	9	9	9
1/4	1,778.34	1/4	1,415.80	1/4	1,053.43	1/4	691.16	1/4	328.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,770.79	1/2	1,408.24	1/2	1,045.89	1/2	683.61	1/2	321.07	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,763.24	3/4	1,400.69	3/4	1,038.35	3/4	676.05	3/4	313.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,755.69	10	1,393.14	10	1,030.81	10	668.50	10	305.96	10		10	10	10	10	10	10	10	10
1/4	1,748.13	1/4	1,385.58	1/4	1,023.27	1/4	660.95	1/4	298.41	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,740.58	1/2	1,378.03	1/2	1,015.72	1/2	653.40	1/2	290.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,733.03	3/4	1,370.48	3/4	1,008.18	3/4	645.84	3/4	283.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,725.47	11	1,362.92	11	1,000.64	11	638.29	11	275.75	11		11	11	11	11	11	11	11	11
1/4	1,717.92	1/4	1,355.37	1/4	993.10	1/4	630.74	1/4	268.20	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,710.37	1/2	1,347.82	1/2	985.56	1/2	623.18	1/2	260.64	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,702.81	3/4	1,340.27	3/4	978.02	3/4	615.63	3/4	253.09	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: 04/13/2011 CL - SW
CALCULATED: 04/14/2011 CL
PRINTED: 04/14/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

PRECISION MEASUREMENT
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P.O. Box 2092
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BARGE "HBC 301"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

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	5,298.71	0	4,961.09	0	4,599.93	0	4,237.69	0	3,875.45	0	3,513.21	0	3,150.97	0	2,788.57	0	2,426.02		
1/4		1/4	5,295.18	1/4	4,953.57	1/4	4,592.39	1/4	4,230.15	1/4	3,867.90	1/4	3,505.66	1/4	3,143.42	1/4	2,781.01	1/4	2,418.46		
1/2		1/2	5,290.38	1/2	4,946.06	1/2	4,584.84	1/2	4,222.60	1/2	3,860.36	1/2	3,498.12	1/2	3,135.87	1/2	2,773.46	1/2	2,410.91		
3/4		3/4	5,285.59	3/4	4,938.54	3/4	4,577.29	3/4	4,215.05	3/4	3,852.81	3/4	3,490.57	3/4	3,128.33	3/4	2,765.91	3/4	2,403.36		
1		1	5,280.80	1	4,931.02	1	4,569.75	1	4,207.51	1	3,845.26	1	3,483.02	1	3,120.78	1	2,758.35	1	2,395.80		
1/4		1/4	5,276.01	1/4	4,923.50	1/4	4,562.20	1/4	4,199.96	1/4	3,837.72	1/4	3,475.48	1/4	3,113.23	1/4	2,750.80	1/4	2,388.25		
1/2		1/2	5,269.95	1/2	4,915.98	1/2	4,554.65	1/2	4,192.41	1/2	3,830.17	1/2	3,467.93	1/2	3,105.69	1/2	2,743.25	1/2	2,380.70		
3/4		3/4	5,263.90	3/4	4,908.47	3/4	4,547.11	3/4	4,184.87	3/4	3,822.62	3/4	3,460.38	3/4	3,098.14	3/4	2,735.69	3/4	2,373.14		
2		2	5,257.84	2	4,900.95	2	4,539.56	2	4,177.32	2	3,815.08	2	3,452.84	2	3,090.59	2	2,728.14	2	2,365.59		
1/4		1/4	5,251.79	1/4	4,893.43	1/4	4,532.01	1/4	4,169.77	1/4	3,807.53	1/4	3,445.29	1/4	3,083.05	1/4	2,720.59	1/4	2,358.04		
1/2		1/2	5,244.48	1/2	4,885.91	1/2	4,524.47	1/2	4,162.23	1/2	3,799.98	1/2	3,437.74	1/2	3,075.50	1/2	2,713.03	1/2	2,350.49		
3/4		3/4	5,237.17	3/4	4,878.40	3/4	4,516.92	3/4	4,154.68	3/4	3,792.44	3/4	3,430.20	3/4	3,067.95	3/4	2,705.48	3/4	2,342.93		
3		3	5,229.86	3	4,870.88	3	4,509.37	3	4,147.13	3	3,784.89	3	3,422.65	3	3,060.41	3	2,697.93	3	2,335.38		
1/4		1/4	5,222.55	1/4	4,863.36	1/4	4,501.83	1/4	4,139.59	1/4	3,777.34	1/4	3,415.10	1/4	3,052.86	1/4	2,690.38	1/4	2,327.83		
1/2		1/2	5,215.11	1/2	4,855.84	1/2	4,494.28	1/2	4,132.04	1/2	3,769.80	1/2	3,407.56	1/2	3,045.31	1/2	2,682.82	1/2	2,320.27		
3/4		3/4	5,207.67	3/4	4,848.33	3/4	4,486.73	3/4	4,124.49	3/4	3,762.25	3/4	3,400.01	3/4	3,037.77	3/4	2,675.27	3/4	2,312.72		
4		4	5,200.24	4	4,840.81	4	4,479.19	4	4,116.95	4	3,754.70	4	3,392.46	4	3,030.22	4	2,667.72	4	2,305.17		
1/4		1/4	5,192.80	1/4	4,833.29	1/4	4,471.64	1/4	4,109.40	1/4	3,747.16	1/4	3,384.92	1/4	3,022.67	1/4	2,660.16	1/4	2,297.61		
1/2		1/2	5,185.36	1/2	4,825.77	1/2	4,464.09	1/2	4,101.85	1/2	3,739.61	1/2	3,377.37	1/2	3,015.13	1/2	2,652.61	1/2	2,290.06		
3/4		3/4	5,177.92	3/4	4,818.26	3/4	4,456.55	3/4	4,094.31	3/4	3,732.06	3/4	3,369.82	3/4	3,007.58	3/4	2,645.06	3/4	2,282.51		
5		5	5,170.49	5	4,810.74	5	4,449.00	5	4,086.76	5	3,724.52	5	3,362.28	5	3,000.03	5	2,637.50	5	2,274.95		
1/4		1/4	5,163.05	1/4	4,803.22	1/4	4,441.45	1/4	4,079.21	1/4	3,716.97	1/4	3,354.73	1/4	2,992.49	1/4	2,629.95	1/4	2,267.40		
1/2		1/2	5,155.61	1/2	4,795.70	1/2	4,433.91	1/2	4,071.67	1/2	3,709.42	1/2	3,347.18	1/2	2,984.94	1/2	2,622.40	1/2	2,259.85		
3/4		3/4	5,148.18	3/4	4,788.19	3/4	4,426.36	3/4	4,064.12	3/4	3,701.88	3/4	3,339.64	3/4	2,977.38	3/4	2,614.84	3/4	2,252.30		
6		6	5,140.74	6	4,780.67	6	4,418.81	6	4,056.57	6	3,694.33	6	3,332.09	6	2,969.83	6	2,607.29	6	2,244.74		
1/4		1/4	5,133.30	1/4	4,773.15	1/4	4,411.27	1/4	4,049.03	1/4	3,686.78	1/4	3,324.54	1/4	2,962.28	1/4	2,599.74	1/4	2,237.19		
1/2		1/2	5,125.87	1/2	4,765.63	1/2	4,403.72	1/2	4,041.48	1/2	3,679.24	1/2	3,317.00	1/2	2,954.73	1/2	2,592.18	1/2	2,229.64		
3/4		3/4	5,118.43	3/4	4,758.12	3/4	4,396.17	3/4	4,033.93	3/4	3,671.69	3/4	3,309.45	3/4	2,947.18	3/4	2,584.63	3/4	2,222.08		
7		7	5,110.99	7	4,750.60	7	4,388.63	7	4,026.39	7	3,664.14	7	3,301.90	7	2,939.62	7	2,577.08	7	2,214.53		
1/4		1/4	5,103.56	1/4	4,743.08	1/4	4,381.08	1/4	4,018.84	1/4	3,656.60	1/4	3,294.36	1/4	2,932.07	1/4	2,569.53	1/4	2,206.98		
1/2		1/2	5,096.12	1/2	4,735.56	1/2	4,373.53	1/2	4,011.29	1/2	3,649.05	1/2	3,286.81	1/2	2,924.52	1/2	2,561.97	1/2	2,199.42		
3/4		3/4	5,088.69	3/4	4,728.04	3/4	4,365.99	3/4	4,003.75	3/4	3,641.50	3/4	3,279.26	3/4	2,916.97	3/4	2,554.42	3/4	2,191.87		
8		8	5,081.25	8	4,720.53	8	4,358.44	8	3,996.20	8	3,633.96	8	3,271.72	8	2,909.42	8	2,546.87	8	2,184.32		
1/4		1/4	5,073.81	1/4	4,713.01	1/4	4,350.89	1/4	3,988.65	1/4	3,626.41	1/4	3,264.17	1/4	2,901.86	1/4	2,539.31	1/4	2,176.76		
1/2		1/2	5,066.31	1/2	4,705.49	1/2	4,343.35	1/2	3,981.11	1/2	3,618.86	1/2	3,256.62	1/2	2,894.31	1/2	2,531.76	1/2	2,169.21		
3/4		3/4	5,058.80	3/4	4,697.97	3/4	4,335.80	3/4	3,973.56	3/4	3,611.32	3/4	3,249.08	3/4	2,886.76	3/4	2,524.21	3/4	2,161.66		
9		9	5,051.29	9	4,690.46	9	4,328.25	9	3,966.01	9	3,603.77	9	3,241.53	9	2,879.21	9	2,516.65	9	2,154.11		
1/4		1/4	5,043.78	1/4	4,682.94	1/4	4,320.71	1/4	3,958.47	1/4	3,596.22	1/4	3,233.98	1/4	2,871.65	1/4	2,509.10	1/4	2,146.55		
1/2		1/2	5,036.27	1/2	4,675.39	1/2	4,313.16	1/2	3,950.92	1/2	3,588.68	1/2	3,226.44	1/2	2,864.10	1/2	2,501.55	1/2	2,139.00		
3/4		3/4	5,028.75	3/4	4,667.85	3/4	4,305.61	3/4	3,943.37	3/4	3,581.13	3/4	3,218.89	3/4	2,856.55	3/4	2,493.99	3/4	2,131.45		
10		10	5,021.23	10	4,660.31	10	4,298.07	10	3,935.83	10	3,573.58	10	3,211.34	10	2,849.00	10	2,486.44	10	2,123.89		
1/4		1/4	5,013.71	1/4	4,652.76	1/4	4,290.52	1/4	3,928.28	1/4	3,566.04	1/4	3,203.80	1/4	2,841.44	1/4	2,478.89	1/4	2,116.34		
1/2		1/2	5,006.20	1/2	4,645.21	1/2	4,282.97	1/2	3,920.73	1/2	3,558.49	1/2	3,196.25	1/2	2,833.89	1/2	2,471.34	1/2	2,108.79		
3/4		3/4	4,998.68	3/4	4,637.67	3/4	4,275.43	3/4	3,913.18	3/4	3,550.94	3/4	3,188.70	3/4	2,826.34	3/4	2,463.78	3/4	2,101.23		
11		11	4,991.16	11	4,630.12	11	4,267.88	11	3,905.64	11	3,543.40	11	3,181.16	11	2,818.79	11	2,456.23	11	2,093.68		
1/4		1/4	4,983.64	1/4	4,622.57	1/4	4,260.33	1/4	3,898.09	1/4	3,535.85	1/4	3,173.61	1/4	2,811.24	1/4	2,448.68	1/4	2,086.13		
1/2		1/2	4,976.13	1/2	4,615.03	1/2	4,252.79	1/2	3,890.54	1/2	3,528.30	1/2	3,166.06	1/2	2,803.68	1/2	2,441.12	1/2	2,078.57		
3/4		3/4	5,302.24	3/4	4,968.61	3/4	4,607.48	3/4	4,245.24	3/4	3,883.00	3/4	3,520.76	3/4	3,158.51	3/4	2,796.12	3/4	2,433.57	3/4	2,071.02

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HBC 301"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,063.47	0	1,700.92	0	1,338.37	0	977.17	0	615.63	0	253.09	0		0		0		0	
1/4	2,055.91	1/4	1,693.37	1/4	1,330.82	1/4	969.66	1/4	608.08	1/4	245.54	1/4		1/4		1/4		1/4	
1/2	2,048.36	1/2	1,685.81	1/2	1,323.26	1/2	962.16	1/2	600.53	1/2	237.99	1/2		1/2		1/2		1/2	
3/4	2,040.81	3/4	1,678.26	3/4	1,315.71	3/4	954.66	3/4	592.97	3/4	230.43	3/4		3/4		3/4		3/4	
1	2,033.26	1	1,670.71	1	1,308.16	1	947.16	1	585.42	1	222.88	1		1		1		1	
1/4	2,025.70	1/4	1,663.15	1/4	1,300.60	1/4	939.66	1/4	577.87	1/4	215.33	1/4		1/4		1/4		1/4	
1/2	2,018.15	1/2	1,655.60	1/2	1,293.05	1/2	932.15	1/2	570.31	1/2	207.77	1/2		1/2		1/2		1/2	
3/4	2,010.60	3/4	1,648.05	3/4	1,285.50	3/4	924.65	3/4	562.76	3/4	200.22	3/4		3/4		3/4		3/4	
2	2,003.04	2	1,640.49	2	1,277.95	2	917.15	2	555.21	2	192.67	2		2		2		2	
1/4	1,995.49	1/4	1,632.94	1/4	1,270.39	1/4	909.65	1/4	547.65	1/4	185.12	1/4		1/4		1/4		1/4	
1/2	1,987.94	1/2	1,625.39	1/2	1,262.84	1/2	902.14	1/2	540.10	1/2	177.56	1/2		1/2		1/2		1/2	
3/4	1,980.38	3/4	1,617.83	3/4	1,255.29	3/4	894.64	3/4	532.55	3/4	170.01	3/4		3/4		3/4		3/4	
3	1,972.83	3	1,610.28	3	1,247.73	3	887.14	3	525.00	3	162.46	3		3		3		3	
1/4	1,965.28	1/4	1,602.73	1/4	1,240.18	1/4	879.64	1/4	517.44	1/4	154.91	1/4		1/4		1/4		1/4	
1/2	1,957.72	1/2	1,595.18	1/2	1,232.63	1/2	872.12	1/2	509.89	1/2	147.36	1/2		1/2		1/2		1/2	
3/4	1,950.17	3/4	1,587.62	3/4	1,225.07	3/4	864.61	3/4	502.34	3/4	139.82	3/4		3/4		3/4		3/4	
4	1,942.62	4	1,580.07	4	1,217.52	4	857.10	4	494.78	4	132.27	4		4		4		4	
1/4	1,935.07	1/4	1,572.52	1/4	1,209.97	1/4	849.59	1/4	487.23	1/4	124.73	1/4		1/4		1/4		1/4	
1/2	1,927.51	1/2	1,564.96	1/2	1,202.41	1/2	842.08	1/2	479.68	1/2	117.21	1/2		1/2		1/2		1/2	
3/4	1,919.96	3/4	1,557.41	3/4	1,194.86	3/4	834.56	3/4	472.13	3/4	109.68	3/4		3/4		3/4		3/4	
5	1,912.41	5	1,549.86	5	1,187.31	5	827.05	5	464.57	5	102.16	5		5		5		5	
1/4	1,904.85	1/4	1,542.30	1/4	1,179.76	1/4	819.54	1/4	457.02	1/4	94.64	1/4		1/4		1/4		1/4	
1/2	1,897.30	1/2	1,534.75	1/2	1,172.25	1/2	811.99	1/2	449.47	1/2	87.65	1/2		1/2		1/2		1/2	
3/4	1,889.75	3/4	1,527.20	3/4	1,164.74	3/4	804.44	3/4	441.91	3/4	80.65	3/4		3/4		3/4		3/4	
6	1,882.19	6	1,519.64	6	1,157.23	6	796.89	6	434.36	6	73.65	6		6		6		6	
1/4	1,874.64	1/4	1,512.09	1/4	1,149.72	1/4	789.35	1/4	426.81	1/4	66.66	1/4		1/4		1/4		1/4	
1/2	1,867.09	1/2	1,504.54	1/2	1,142.22	1/2	781.79	1/2	419.26	1/2	60.83	1/2		1/2		1/2		1/2	
3/4	1,859.53	3/4	1,496.99	3/4	1,134.71	3/4	774.24	3/4	411.70	3/4	55.01	3/4		3/4		3/4		3/4	
7	1,851.98	7	1,489.43	7	1,127.21	7	766.69	7	404.15	7	49.19	7		7		7		7	
1/4	1,844.43	1/4	1,481.88	1/4	1,119.71	1/4	759.14	1/4	396.60	1/4	43.37	1/4		1/4		1/4		1/4	
1/2	1,836.87	1/2	1,474.33	1/2	1,112.21	1/2	751.58	1/2	389.04	1/2	38.81	1/2		1/2		1/2		1/2	
3/4	1,829.32	3/4	1,466.77	3/4	1,104.71	3/4	744.03	3/4	381.49	3/4	34.24	3/4		3/4		3/4		3/4	
8	1,821.77	8	1,459.22	8	1,097.20	8	736.48	8	373.94	8	29.68	8		8		8		8	
1/4	1,814.22	1/4	1,451.67	1/4	1,089.70	1/4	728.92	1/4	366.39	1/4	25.12	1/4		1/4		1/4		1/4	
1/2	1,806.66	1/2	1,444.11	1/2	1,082.20	1/2	721.37	1/2	358.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,799.11	3/4	1,436.56	3/4	1,074.70	3/4	713.82	3/4	351.28	3/4		3/4		3/4		3/4		3/4	
9	1,791.56	9	1,429.01	9	1,067.19	9	706.27	9	343.73	9		9		9		9		9	
1/4	1,784.00	1/4	1,421.45	1/4	1,059.69	1/4	698.71	1/4	336.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,776.45	1/2	1,413.90	1/2	1,052.19	1/2	691.16	1/2	328.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,768.90	3/4	1,406.35	3/4	1,044.69	3/4	683.61	3/4	321.07	3/4		3/4		3/4		3/4		3/4	
10	1,761.34	10	1,398.80	10	1,037.19	10	676.05	10	313.51	10		10		10		10		10	
1/4	1,753.79	1/4	1,391.24	1/4	1,029.68	1/4	668.50	1/4	305.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,746.24	1/2	1,383.69	1/2	1,022.18	1/2	660.95	1/2	298.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,738.68	3/4	1,376.14	3/4	1,014.68	3/4	653.40	3/4	290.86	3/4		3/4		3/4		3/4		3/4	
11	1,731.13	11	1,368.58	11	1,007.18	11	645.84	11	283.30	11		11		11		11		11	
1/4	1,723.58	1/4	1,361.03	1/4	999.67	1/4	638.29	1/4	275.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,716.03	1/2	1,353.48	1/2	992.17	1/2	630.74	1/2	268.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,708.47	3/4	1,345.92	3/4	984.67	3/4	623.18	3/4	260.64	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 CL - SW
CALCULATED: 04/14/2011 CL
PRINTED: 04/14/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HBC 301"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	5,285.89	0	4,945.01	0	4,584.58	0	4,223.07	0	3,861.57	0	3,500.07	0	3,138.57	0	2,776.90	0	2,415.13
1/4		1/4	5,281.11	1/4	4,937.50	1/4	4,577.04	1/4	4,215.54	1/4	3,854.04	1/4	3,492.54	1/4	3,131.03	1/4	2,769.36	1/4	2,407.60
1/2		1/2	5,276.33	1/2	4,930.00	1/2	4,569.51	1/2	4,208.01	1/2	3,846.51	1/2	3,485.01	1/2	3,123.50	1/2	2,761.83	1/2	2,400.06
3/4		3/4	5,271.54	3/4	4,922.50	3/4	4,561.98	3/4	4,200.48	3/4	3,838.98	3/4	3,477.47	3/4	3,115.97	3/4	2,754.29	3/4	2,392.52
1		1	5,266.76	1	4,915.00	1	4,554.45	1	4,192.95	1	3,831.45	1	3,469.94	1	3,108.44	1	2,746.75	1	2,384.99
1/4		1/4	5,260.72	1/4	4,907.50	1/4	4,546.92	1/4	4,185.42	1/4	3,823.91	1/4	3,462.41	1/4	3,100.91	1/4	2,739.22	1/4	2,377.45
1/2		1/2	5,254.68	1/2	4,899.99	1/2	4,539.39	1/2	4,177.89	1/2	3,816.38	1/2	3,454.88	1/2	3,093.38	1/2	2,731.68	1/2	2,369.91
3/4		3/4	5,248.65	3/4	4,892.49	3/4	4,531.86	3/4	4,170.35	3/4	3,808.85	3/4	3,447.35	3/4	3,085.85	3/4	2,724.14	3/4	2,362.38
2		2	5,242.61	2	4,884.99	2	4,524.33	2	4,162.82	2	3,801.32	2	3,439.82	2	3,078.32	2	2,716.61	2	2,354.84
1/4		1/4	5,235.31	1/4	4,877.49	1/4	4,516.79	1/4	4,155.29	1/4	3,793.79	1/4	3,432.29	1/4	3,070.78	1/4	2,709.07	1/4	2,347.30
1/2		1/2	5,228.02	1/2	4,869.99	1/2	4,509.26	1/2	4,147.76	1/2	3,786.26	1/2	3,424.76	1/2	3,063.25	1/2	2,701.53	1/2	2,339.77
3/4		3/4	5,220.73	3/4	4,862.48	3/4	4,501.73	3/4	4,140.23	3/4	3,778.73	3/4	3,417.22	3/4	3,055.72	3/4	2,694.00	3/4	2,332.23
3		3	5,213.43	3	4,854.98	3	4,494.20	3	4,132.70	3	3,771.20	3	3,409.69	3	3,048.19	3	2,686.46	3	2,324.69
1/4		1/4	5,206.01	1/4	4,847.48	1/4	4,486.67	1/4	4,125.17	1/4	3,763.66	1/4	3,402.16	1/4	3,040.66	1/4	2,678.92	1/4	2,317.16
1/2		1/2	5,198.58	1/2	4,839.98	1/2	4,479.14	1/2	4,117.64	1/2	3,756.13	1/2	3,394.63	1/2	3,033.13	1/2	2,671.39	1/2	2,309.62
3/4		3/4	5,191.16	3/4	4,832.48	3/4	4,471.61	3/4	4,110.10	3/4	3,748.60	3/4	3,387.10	3/4	3,025.60	3/4	2,663.85	3/4	2,302.08
4		4	5,183.74	4	4,824.97	4	4,464.08	4	4,102.57	4	3,741.07	4	3,379.57	4	3,018.07	4	2,656.31	4	2,294.55
1/4		1/4	5,176.31	1/4	4,817.47	1/4	4,456.54	1/4	4,095.04	1/4	3,733.54	1/4	3,372.04	1/4	3,010.53	1/4	2,648.78	1/4	2,287.01
1/2		1/2	5,168.89	1/2	4,809.97	1/2	4,449.01	1/2	4,087.51	1/2	3,726.01	1/2	3,364.51	1/2	3,003.00	1/2	2,641.24	1/2	2,279.47
3/4		3/4	5,161.47	3/4	4,802.47	3/4	4,441.48	3/4	4,079.98	3/4	3,718.48	3/4	3,356.97	3/4	2,995.47	3/4	2,633.70	3/4	2,271.94
5		5	5,154.05	5	4,794.96	5	4,433.95	5	4,072.45	5	3,710.95	5	3,349.44	5	2,987.94	5	2,626.16	5	2,264.40
1/4		1/4	5,146.63	1/4	4,787.46	1/4	4,426.42	1/4	4,064.92	1/4	3,703.41	1/4	3,341.91	1/4	2,980.40	1/4	2,618.63	1/4	2,256.86
1/2		1/2	5,139.21	1/2	4,779.96	1/2	4,418.89	1/2	4,057.38	1/2	3,695.88	1/2	3,334.38	1/2	2,972.86	1/2	2,611.09	1/2	2,249.32
3/4		3/4	5,131.79	3/4	4,772.46	3/4	4,411.36	3/4	4,049.85	3/4	3,688.35	3/4	3,326.85	3/4	2,965.32	3/4	2,603.55	3/4	2,241.79
6		6	5,124.37	6	4,764.96	6	4,403.82	6	4,042.32	6	3,680.82	6	3,319.32	6	2,957.78	6	2,596.02	6	2,234.25
1/4		1/4	5,116.95	1/4	4,757.45	1/4	4,396.29	1/4	4,034.79	1/4	3,673.29	1/4	3,311.79	1/4	2,950.25	1/4	2,588.48	1/4	2,226.71
1/2		1/2	5,109.53	1/2	4,749.95	1/2	4,388.76	1/2	4,027.26	1/2	3,665.76	1/2	3,304.25	1/2	2,942.71	1/2	2,580.94	1/2	2,219.18
3/4		3/4	5,102.11	3/4	4,742.45	3/4	4,381.23	3/4	4,019.73	3/4	3,658.23	3/4	3,296.72	3/4	2,935.17	3/4	2,573.41	3/4	2,211.64
7		7	5,094.68	7	4,734.95	7	4,373.70	7	4,012.20	7	3,650.69	7	3,289.19	7	2,927.64	7	2,565.87	7	2,204.10
1/4		1/4	5,087.26	1/4	4,727.45	1/4	4,366.17	1/4	4,004.67	1/4	3,643.16	1/4	3,281.66	1/4	2,920.10	1/4	2,558.33	1/4	2,196.57
1/2		1/2	5,079.84	1/2	4,719.94	1/2	4,358.64	1/2	3,997.13	1/2	3,635.63	1/2	3,274.13	1/2	2,912.56	1/2	2,550.80	1/2	2,189.03
3/4		3/4	5,072.42	3/4	4,712.44	3/4	4,351.11	3/4	3,989.60	3/4	3,628.10	3/4	3,266.60	3/4	2,905.03	3/4	2,543.26	3/4	2,181.49
8		8	5,065.00	8	4,704.94	8	4,343.57	8	3,982.07	8	3,620.57	8	3,259.07	8	2,897.49	8	2,535.72	8	2,173.96
1/4		1/4	5,057.51	1/4	4,697.44	1/4	4,336.04	1/4	3,974.54	1/4	3,613.04	1/4	3,251.54	1/4	2,889.95	1/4	2,528.19	1/4	2,166.42
1/2		1/2	5,050.02	1/2	4,689.94	1/2	4,328.51	1/2	3,967.01	1/2	3,605.51	1/2	3,244.00	1/2	2,882.42	1/2	2,520.65	1/2	2,158.88
3/4		3/4	5,042.52	3/4	4,682.43	3/4	4,320.98	3/4	3,959.48	3/4	3,597.98	3/4	3,236.47	3/4	2,874.88	3/4	2,513.11	3/4	2,151.35
9		9	5,035.03	9	4,674.93	9	4,313.45	9	3,951.95	9	3,590.44	9	3,228.94	9	2,867.34	9	2,505.58	9	2,143.81
1/4		1/4	5,027.53	1/4	4,667.40	1/4	4,305.92	1/4	3,944.42	1/4	3,582.91	1/4	3,221.41	1/4	2,859.81	1/4	2,498.04	1/4	2,136.27
1/2		1/2	5,020.03	1/2	4,659.88	1/2	4,298.39	1/2	3,936.88	1/2	3,575.38	1/2	3,213.88	1/2	2,852.27	1/2	2,490.50	1/2	2,128.74
3/4		3/4	5,012.53	3/4	4,652.35	3/4	4,290.86	3/4	3,929.35	3/4	3,567.85	3/4	3,206.35	3/4	2,844.73	3/4	2,482.97	3/4	2,121.20
10		10	5,005.02	10	4,644.83	10	4,283.32	10	3,921.82	10	3,560.32	10	3,198.82	10	2,837.20	10	2,475.43	10	2,113.66
1/4		1/4	4,997.52	1/4	4,637.29	1/4	4,275.79	1/4	3,914.29	1/4	3,552.79	1/4	3,191.29	1/4	2,829.66	1/4	2,467.89	1/4	2,106.13
1/2		1/2	4,990.02	1/2	4,629.76	1/2	4,268.26	1/2	3,906.76	1/2	3,545.26	1/2	3,183.75	1/2	2,822.12	1/2	2,460.36	1/2	2,098.59
3/4		3/4	4,982.52	3/4	4,622.23	3/4	4,260.73	3/4	3,899.23	3/4	3,537.73	3/4	3,176.22	3/4	2,814.58	3/4	2,452.82	3/4	2,091.05
11		11	4,975.02	11	4,614.70	11	4,253.20	11	3,891.70	11	3,530.19	11	3,168.69	11	2,807.05	11	2,445.28	11	2,083.52
1/4		1/4	4,967.51	1/4	4,607.17	1/4	4,245.67	1/4	3,884.16	1/4	3,522.66	1/4	3,161.16	1/4	2,799.51	1/4	2,437.74	1/4	2,075.98
1/2		1/2	5,292.95	1/2	4,960.01	1/2	4,599.64	1/2	4,238.14	1/2	3,876.63	1/2	3,515.13	1/2	2,791.97	1/2	2,430.21	1/2	2,068.44
3/4		3/4	5,289.42	3/4	4,952.51	3/4	4,592.11	3/4	4,230.60	3/4	3,869.10	3/4	3,507.60	3/4	3,146.10	3/4	2,784.44	3/4	2,060.90

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 TOP OF 2" HERMETIC CLOSED GAUGING VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 301"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	
0	2,053.37	0	1,691.60	0	1,329.84	0	968.38	0	606.76	0	245.01	0		0		0		0		0	
1/4	2,045.83	1/4	1,684.06	1/4	1,322.30	1/4	960.85	1/4	599.22	1/4	237.47	1/4		1/4		1/4		1/4		1/4	
1/2	2,038.29	1/2	1,676.53	1/2	1,314.76	1/2	953.33	1/2	591.69	1/2	229.94	1/2		1/2		1/2		1/2		1/2	
3/4	2,030.76	3/4	1,668.99	3/4	1,307.22	3/4	945.80	3/4	584.15	3/4	222.40	3/4		3/4		3/4		3/4		3/4	
1	2,023.22	1	1,661.45	1	1,299.69	1	938.28	1	576.61	1	214.86	1		1		1		1		1	
1/4	2,015.68	1/4	1,653.92	1/4	1,292.15	1/4	930.75	1/4	569.08	1/4	207.33	1/4		1/4		1/4		1/4		1/4	
1/2	2,008.15	1/2	1,646.38	1/2	1,284.61	1/2	923.23	1/2	561.54	1/2	199.79	1/2		1/2		1/2		1/2		1/2	
3/4	2,000.61	3/4	1,638.84	3/4	1,277.08	3/4	915.70	3/4	554.00	3/4	192.25	3/4		3/4		3/4		3/4		3/4	
2	1,993.07	2	1,631.31	2	1,269.54	2	908.18	2	546.47	2	184.72	2		2		2		2		2	
1/4	1,985.54	1/4	1,623.77	1/4	1,262.00	1/4	900.65	1/4	538.93	1/4	177.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,978.00	1/2	1,616.23	1/2	1,254.47	1/2	893.12	1/2	531.40	1/2	169.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,970.46	3/4	1,608.70	3/4	1,246.93	3/4	885.60	3/4	523.86	3/4	162.11	3/4		3/4		3/4		3/4		3/4	
3	1,962.93	3	1,601.16	3	1,239.39	3	878.07	3	516.32	3	154.57	3		3		3		3		3	
1/4	1,955.39	1/4	1,593.62	1/4	1,231.86	1/4	870.54	1/4	508.79	1/4	147.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,947.85	1/2	1,586.09	1/2	1,224.32	1/2	863.00	1/2	501.25	1/2	139.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,940.32	3/4	1,578.55	3/4	1,216.78	3/4	855.46	3/4	493.71	3/4	131.99	3/4		3/4		3/4		3/4		3/4	
4	1,932.78	4	1,571.01	4	1,209.25	4	847.93	4	486.18	4	124.46	4		4		4		4		4	
1/4	1,925.24	1/4	1,563.48	1/4	1,201.71	1/4	840.39	1/4	478.64	1/4	116.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,917.71	1/2	1,555.94	1/2	1,194.17	1/2	832.86	1/2	471.10	1/2	109.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,910.17	3/4	1,548.40	3/4	1,186.64	3/4	825.32	3/4	463.57	3/4	101.94	3/4		3/4		3/4		3/4		3/4	
5	1,902.63	5	1,540.87	5	1,179.10	5	817.78	5	456.03	5	94.44	5		5		5		5		5	
1/4	1,895.10	1/4	1,533.33	1/4	1,171.57	1/4	810.25	1/4	448.49	1/4	87.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,887.56	1/2	1,525.79	1/2	1,164.05	1/2	802.71	1/2	440.96	1/2	80.48	1/2		1/2		1/2		1/2		1/2	
3/4	1,880.02	3/4	1,518.26	3/4	1,156.52	3/4	795.17	3/4	433.42	3/4	73.49	3/4		3/4		3/4		3/4		3/4	
6	1,872.48	6	1,510.72	6	1,148.99	6	787.64	6	425.88	6	66.51	6		6		6		6		6	
1/4	1,864.95	1/4	1,503.18	1/4	1,141.47	1/4	780.10	1/4	418.35	1/4	60.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,857.41	1/2	1,495.64	1/2	1,133.94	1/2	772.56	1/2	410.81	1/2	54.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,849.87	3/4	1,488.11	3/4	1,126.41	3/4	765.03	3/4	403.27	3/4	49.08	3/4		3/4		3/4		3/4		3/4	
7	1,842.34	7	1,480.57	7	1,118.89	7	757.49	7	395.74	7	43.27	7		7		7		7		7	
1/4	1,834.80	1/4	1,473.03	1/4	1,111.36	1/4	749.95	1/4	388.20	1/4	38.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,827.26	1/2	1,465.50	1/2	1,103.84	1/2	742.42	1/2	380.67	1/2	34.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,819.73	3/4	1,457.96	3/4	1,096.31	3/4	734.88	3/4	373.13	3/4	29.62	3/4		3/4		3/4		3/4		3/4	
8	1,812.19	8	1,450.42	8	1,088.79	8	727.34	8	365.59	8	25.06	8		8		8		8		8	
1/4	1,804.65	1/4	1,442.89	1/4	1,081.26	1/4	719.81	1/4	358.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,797.12	1/2	1,435.35	1/2	1,073.74	1/2	712.27	1/2	350.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,789.58	3/4	1,427.81	3/4	1,066.21	3/4	704.73	3/4	342.98	3/4		3/4		3/4		3/4		3/4		3/4	
9	1,782.04	9	1,420.28	9	1,058.69	9	697.20	9	335.45	9		9		9		9		9		9	
1/4	1,774.51	1/4	1,412.74	1/4	1,051.16	1/4	689.66	1/4	327.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,766.97	1/2	1,405.20	1/2	1,043.63	1/2	682.13	1/2	320.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,759.43	3/4	1,397.67	3/4	1,036.11	3/4	674.59	3/4	312.84	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,751.90	10	1,390.13	10	1,028.58	10	667.05	10	305.30	10		10		10		10		10		10	
1/4	1,744.36	1/4	1,382.59	1/4	1,021.06	1/4	659.52	1/4	297.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,736.82	1/2	1,375.06	1/2	1,013.53	1/2	651.98	1/2	290.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,729.29	3/4	1,367.52	3/4	1,006.01	3/4	644.44	3/4	282.69	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,721.75	11	1,359.98	11	998.48	11	636.91	11	275.15	11		11		11		11		11		11	
1/4	1,714.21	1/4	1,352.45	1/4	990.96	1/4	629.37	1/4	267.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,706.68	1/2	1,344.91	1/2	983.43	1/2	621.83	1/2	260.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,699.14	3/4	1,337.37	3/4	975.90	3/4	614.30	3/4	252.54	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 CL - SW
CALCULATED: 04/14/2011 CL
PRINTED: 04/14/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

PRECISION MEASUREMENT
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BARGE "HBC 301"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	0		5,276.76		4,943.82		4,583.45		4,221.95		3,860.45		3,498.94		3,137.44		2,775.79		2,414.02		
1/4	1/4	1/4	5,273.23	1/4	4,936.32	1/4	4,575.92	1/4	4,214.42	1/4	3,852.91	1/4	3,491.41	1/4	3,129.91	1/4	2,768.25	1/4	2,406.48		
1/2	1/2	1/2	5,269.71	1/2	4,928.82	1/2	4,568.39	1/2	4,206.89	1/2	3,845.38	1/2	3,483.88	1/2	3,122.38	1/2	2,760.71	1/2	2,398.95		
3/4	3/4	3/4	5,264.92	3/4	4,921.32	3/4	4,560.86	3/4	4,199.35	3/4	3,837.85	3/4	3,476.35	3/4	3,114.85	3/4	2,753.18	3/4	2,391.41		
1	1	1	5,260.14	1	4,913.82	1	4,553.33	1	4,191.82	1	3,830.32	1	3,468.82	1	3,107.32	1	2,745.64	1	2,383.87		
1/4	1/4	1/4	5,255.36	1/4	4,906.31	1/4	4,545.79	1/4	4,184.29	1/4	3,822.79	1/4	3,461.29	1/4	3,099.78	1/4	2,738.10	1/4	2,376.34		
1/2	1/2	1/2	5,250.57	1/2	4,898.81	1/2	4,538.26	1/2	4,176.76	1/2	3,815.26	1/2	3,453.76	1/2	3,092.25	1/2	2,730.57	1/2	2,368.80		
3/4	3/4	3/4	5,244.54	3/4	4,891.31	3/4	4,530.73	3/4	4,169.23	3/4	3,807.73	3/4	3,446.22	3/4	3,084.72	3/4	2,723.03	3/4	2,361.26		
2	2	2	5,238.50	2	4,883.81	2	4,523.20	2	4,161.70	2	3,800.20	2	3,438.69	2	3,077.19	2	2,715.49	2	2,353.73		
1/4	1/4	1/4	5,232.46	1/4	4,876.30	1/4	4,515.67	1/4	4,154.17	1/4	3,792.66	1/4	3,431.16	1/4	3,069.66	1/4	2,707.96	1/4	2,346.19		
1/2	1/2	1/2	5,226.42	1/2	4,868.80	1/2	4,508.14	1/2	4,146.64	1/2	3,785.13	1/2	3,423.63	1/2	3,062.13	1/2	2,700.42	1/2	2,338.65		
3/4	3/4	3/4	5,219.13	3/4	4,861.30	3/4	4,500.61	3/4	4,139.10	3/4	3,777.60	3/4	3,416.10	3/4	3,054.60	3/4	2,692.88	3/4	2,331.12		
3	3	3	5,211.83	3	4,853.80	3	4,493.08	3	4,131.57	3	3,770.07	3	3,408.57	3	3,047.07	3	2,685.35	3	2,323.58		
1/4	1/4	1/4	5,204.54	1/4	4,846.30	1/4	4,485.54	1/4	4,124.04	1/4	3,762.54	1/4	3,401.04	1/4	3,039.53	1/4	2,677.81	1/4	2,316.04		
1/2	1/2	1/2	5,197.25	1/2	4,838.79	1/2	4,478.01	1/2	4,116.51	1/2	3,755.01	1/2	3,393.51	1/2	3,032.00	1/2	2,670.27	1/2	2,308.51		
3/4	3/4	3/4	5,189.82	3/4	4,831.29	3/4	4,470.48	3/4	4,108.98	3/4	3,747.48	3/4	3,385.97	3/4	3,024.47	3/4	2,662.74	3/4	2,300.97		
4	4	4	5,182.40	4	4,823.79	4	4,462.95	4	4,101.45	4	3,739.95	4	3,378.44	4	3,016.94	4	2,655.20	4	2,293.43		
1/4	1/4	1/4	5,174.97	1/4	4,816.29	1/4	4,455.42	1/4	4,093.92	1/4	3,732.41	1/4	3,370.91	1/4	3,009.41	1/4	2,647.66	1/4	2,285.90		
1/2	1/2	1/2	5,167.55	1/2	4,808.79	1/2	4,447.89	1/2	4,086.39	1/2	3,724.88	1/2	3,363.38	1/2	3,001.88	1/2	2,640.12	1/2	2,278.36		
3/4	3/4	3/4	5,160.13	3/4	4,801.28	3/4	4,440.36	3/4	4,078.85	3/4	3,717.35	3/4	3,355.85	3/4	2,994.35	3/4	2,632.59	3/4	2,270.82		
5	5	5	5,152.71	5	4,793.78	5	4,432.82	5	4,071.32	5	3,709.82	5	3,348.32	5	2,986.82	5	2,625.05	5	2,263.28		
1/4	1/4	1/4	5,145.29	1/4	4,786.28	1/4	4,425.29	1/4	4,063.79	1/4	3,702.29	1/4	3,340.79	1/4	2,979.28	1/4	2,617.51	1/4	2,255.75		
1/2	1/2	1/2	5,137.86	1/2	4,778.78	1/2	4,417.76	1/2	4,056.26	1/2	3,694.76	1/2	3,333.26	1/2	2,971.75	1/2	2,609.98	1/2	2,248.21		
3/4	3/4	3/4	5,130.44	3/4	4,771.28	3/4	4,410.23	3/4	4,048.73	3/4	3,687.23	3/4	3,325.72	3/4	2,964.21	3/4	2,602.44	3/4	2,240.67		
6	6	6	5,123.02	6	4,763.77	6	4,402.70	6	4,041.20	6	3,679.69	6	3,318.19	6	2,956.67	6	2,594.90	6	2,233.14		
1/4	1/4	1/4	5,115.60	1/4	4,756.27	1/4	4,395.17	1/4	4,033.67	1/4	3,672.16	1/4	3,310.66	1/4	2,949.14	1/4	2,587.37	1/4	2,225.60		
1/2	1/2	1/2	5,108.18	1/2	4,748.77	1/2	4,387.64	1/2	4,026.13	1/2	3,664.63	1/2	3,303.13	1/2	2,941.60	1/2	2,579.83	1/2	2,218.06		
3/4	3/4	3/4	5,100.76	3/4	4,741.27	3/4	4,380.11	3/4	4,018.60	3/4	3,657.10	3/4	3,295.60	3/4	2,934.06	3/4	2,572.29	3/4	2,210.53		
7	7	7	5,093.34	7	4,733.76	7	4,372.57	7	4,011.07	7	3,649.57	7	3,288.07	7	2,926.52	7	2,564.76	7	2,202.99		
1/4	1/4	1/4	5,085.92	1/4	4,726.26	1/4	4,365.04	1/4	4,003.54	1/4	3,642.04	1/4	3,280.54	1/4	2,918.99	1/4	2,557.22	1/4	2,195.45		
1/2	1/2	1/2	5,078.50	1/2	4,718.76	1/2	4,357.51	1/2	3,996.01	1/2	3,634.51	1/2	3,273.00	1/2	2,911.45	1/2	2,549.68	1/2	2,187.92		
3/4	3/4	3/4	5,071.08	3/4	4,711.26	3/4	4,349.98	3/4	3,988.48	3/4	3,626.98	3/4	3,265.47	3/4	2,903.91	3/4	2,542.15	3/4	2,180.38		
8	8	8	5,063.66	8	4,703.76	8	4,342.45	8	3,980.95	8	3,619.44	8	3,257.94	8	2,896.38	8	2,534.61	8	2,172.84		
1/4	1/4	1/4	5,056.23	1/4	4,696.25	1/4	4,334.92	1/4	3,973.42	1/4	3,611.91	1/4	3,250.41	1/4	2,888.84	1/4	2,527.07	1/4	2,165.31		
1/2	1/2	1/2	5,048.81	1/2	4,688.75	1/2	4,327.39	1/2	3,965.88	1/2	3,604.38	1/2	3,242.88	1/2	2,881.30	1/2	2,519.54	1/2	2,157.77		
3/4	3/4	3/4	5,041.32	3/4	4,681.25	3/4	4,319.86	3/4	3,958.35	3/4	3,596.85	3/4	3,235.35	3/4	2,873.77	3/4	2,512.00	3/4	2,150.23		
9	9	9	5,033.83	9	4,673.75	9	4,312.32	9	3,950.82	9	3,589.32	9	3,227.82	9	2,866.23	9	2,504.46	9	2,142.70		
1/4	1/4	1/4	5,026.34	1/4	4,666.25	1/4	4,304.79	1/4	3,943.29	1/4	3,581.79	1/4	3,220.29	1/4	2,858.69	1/4	2,496.93	1/4	2,135.16		
1/2	1/2	1/2	5,018.84	1/2	4,658.74	1/2	4,297.26	1/2	3,935.76	1/2	3,574.26	1/2	3,212.75	1/2	2,851.16	1/2	2,489.39	1/2	2,127.62		
3/4	3/4	3/4	5,011.34	3/4	4,651.22	3/4	4,289.73	3/4	3,928.23	3/4	3,566.73	3/4	3,205.22	3/4	2,843.62	3/4	2,481.85	3/4	2,120.09		
10	10	10	5,003.84	10	4,643.69	10	4,282.20	10	3,920.70	10	3,559.19	10	3,197.69	10	2,836.08	10	2,474.32	10	2,112.55		
1/4	1/4	1/4	4,996.34	1/4	4,636.16	1/4	4,274.67	1/4	3,913.17	1/4	3,551.66	1/4	3,190.16	1/4	2,828.54	1/4	2,466.78	1/4	2,105.01		
1/2	1/2	1/2	4,988.84	1/2	4,628.64	1/2	4,267.14	1/2	3,905.63	1/2	3,544.13	1/2	3,182.63	1/2	2,821.01	1/2	2,459.24	1/2	2,097.48		
3/4	3/4	3/4	4,981.33	3/4	4,621.11	3/4	4,259.60	3/4	3,898.10	3/4	3,536.60	3/4	3,175.10	3/4	2,813.47	3/4	2,451.70	3/4	2,089.94		
11	11	11	4,973.83	11	4,613.58	11	4,252.07	11	3,890.57	11	3,529.07	11	3,167.57	11	2,805.93	11	2,444.17	11	2,082.40		
1/4	1/4	1/4	4,966.33	1/4	4,606.04	1/4	4,244.54	1/4	3,883.04	1/4	3,521.54	1/4	3,160.04	1/4	2,798.40	1/4	2,436.63	1/4	2,074.86		
1/2	1/2	1/2	4,958.83	1/2	4,598.51	1/2	4,237.01	1/2	3,875.51	1/2	3,514.01	1/2	3,152.50	1/2	2,790.86	1/2	2,429.09	1/2	2,067.33		
3/4	3/4	3/4	4,951.33	3/4	4,590.98	3/4	4,229.48	3/4	3,867.98	3/4	3,506.47	3/4	3,144.97	3/4	2,783.32	3/4	2,421.56	3/4	2,059.79		

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 TOP OF 2" HERMETIC CLOSED GAUGING VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 301"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,052.25	0	1,690.49	0	1,328.72	0	974.26	0	621.83	0	260.08	0		0		0		0	
1/4	2,044.72	1/4	1,682.95	1/4	1,321.18	1/4	966.98	1/4	614.30	1/4	252.54	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,037.18	1/2	1,675.41	1/2	1,313.65	1/2	959.69	1/2	606.76	1/2	245.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,029.64	3/4	1,667.88	3/4	1,306.11	3/4	952.40	3/4	599.22	3/4	237.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,022.11	1	1,660.34	1	1,298.57	1	945.12	1	591.69	1	229.94	1	1	1	1	1	1	1	1
1/4	2,014.57	1/4	1,652.80	1/4	1,291.04	1/4	937.83	1/4	584.15	1/4	222.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,007.03	1/2	1,645.27	1/2	1,283.50	1/2	930.54	1/2	576.61	1/2	214.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,999.50	3/4	1,637.73	3/4	1,275.96	3/4	923.25	3/4	569.08	3/4	207.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,991.96	2	1,630.19	2	1,268.43	2	915.97	2	561.54	2	199.79	2	2	2	2	2	2	2	2
1/4	1,984.42	1/4	1,622.66	1/4	1,260.89	1/4	908.68	1/4	554.00	1/4	192.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,976.89	1/2	1,615.12	1/2	1,253.35	1/2	901.39	1/2	546.47	1/2	184.72	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,969.35	3/4	1,607.58	3/4	1,245.82	3/4	894.10	3/4	538.93	3/4	177.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,961.81	3	1,600.05	3	1,238.28	3	886.82	3	531.40	3	169.64	3	3	3	3	3	3	3	3
1/4	1,954.28	1/4	1,592.51	1/4	1,230.74	1/4	879.53	1/4	523.86	1/4	162.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,946.74	1/2	1,584.97	1/2	1,223.21	1/2	872.24	1/2	516.32	1/2	154.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,939.20	3/4	1,577.44	3/4	1,215.67	3/4	864.94	3/4	508.79	3/4	147.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,931.67	4	1,569.90	4	1,208.13	4	857.65	4	501.25	4	139.51	4	4	4	4	4	4	4	4
1/4	1,924.13	1/4	1,562.36	1/4	1,200.60	1/4	850.35	1/4	493.71	1/4	131.99	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,916.59	1/2	1,554.83	1/2	1,193.06	1/2	843.05	1/2	486.18	1/2	124.46	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,909.06	3/4	1,547.29	3/4	1,185.73	3/4	835.75	3/4	478.64	3/4	116.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,901.52	5	1,539.75	5	1,178.40	5	828.46	5	471.10	5	109.45	5	5	5	5	5	5	5	5
1/4	1,893.98	1/4	1,532.22	1/4	1,171.07	1/4	821.16	1/4	463.57	1/4	101.94	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,886.44	1/2	1,524.68	1/2	1,163.74	1/2	813.86	1/2	456.03	1/2	94.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,878.91	3/4	1,517.14	3/4	1,156.46	3/4	806.56	3/4	448.49	3/4	87.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,871.37	6	1,509.60	6	1,149.17	6	799.26	6	440.96	6	80.48	6	6	6	6	6	6	6	6
1/4	1,863.83	1/4	1,502.07	1/4	1,141.88	1/4	791.96	1/4	433.42	1/4	73.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,856.30	1/2	1,494.53	1/2	1,134.59	1/2	784.66	1/2	425.88	1/2	66.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,848.76	3/4	1,486.99	3/4	1,127.30	3/4	777.37	3/4	418.35	3/4	60.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,841.22	7	1,479.46	7	1,120.01	7	770.07	7	410.81	7	54.89	7	7	7	7	7	7	7	7
1/4	1,833.69	1/4	1,471.92	1/4	1,112.73	1/4	762.77	1/4	403.27	1/4	49.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,826.15	1/2	1,464.38	1/2	1,105.44	1/2	755.47	1/2	395.74	1/2	43.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,818.61	3/4	1,456.85	3/4	1,098.15	3/4	748.17	3/4	388.20	3/4	38.72	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,811.08	8	1,449.31	8	1,090.86	8	740.87	8	380.67	8	34.17	8	8	8	8	8	8	8	8
1/4	1,803.54	1/4	1,441.77	1/4	1,083.58	1/4	733.58	1/4	373.13	1/4	29.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,796.00	1/2	1,434.24	1/2	1,076.29	1/2	726.28	1/2	365.59	1/2	25.06	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,788.47	3/4	1,426.70	3/4	1,069.00	3/4	718.98	3/4	358.06	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,780.93	9	1,419.16	9	1,061.71	9	711.68	9	350.52	9		9	9	9	9	9	9	9	9
1/4	1,773.39	1/4	1,411.63	1/4	1,054.43	1/4	704.38	1/4	342.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,765.86	1/2	1,404.09	1/2	1,047.14	1/2	697.08	1/2	335.45	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,758.32	3/4	1,396.55	3/4	1,039.85	3/4	689.58	3/4	327.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,750.78	10	1,389.02	10	1,032.56	10	682.07	10	320.37	10		10	10	10	10	10	10	10	10
1/4	1,743.25	1/4	1,381.48	1/4	1,025.28	1/4	674.56	1/4	312.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,735.71	1/2	1,373.94	1/2	1,017.99	1/2	667.05	1/2	305.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,728.17	3/4	1,366.41	3/4	1,010.70	3/4	659.52	3/4	297.76	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,720.64	11	1,358.87	11	1,003.41	11	651.98	11	290.23	11		11	11	11	11	11	11	11	11
1/4	1,713.10	1/4	1,351.33	1/4	996.13	1/4	644.44	1/4	282.69	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,705.56	1/2	1,343.80	1/2	988.84	1/2	636.91	1/2	275.15	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,698.02	3/4	1,336.26	3/4	981.55	3/4	629.37	3/4	267.62	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: 04/13/2011 CL - SW
CALCULATED: 04/14/2011 CL
PRINTED: 04/14/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

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



BARGE "HBC 301"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0		0	4,444.58	0	4,273.74	0	4,080.72	0	3,887.15	0	3,693.58	0	3,490.90	0	3,131.07	0	2,772.66	0	2,413.19
1/4		1/4	4,444.50	1/4	4,269.73	1/4	4,076.69	1/4	3,883.12	1/4	3,689.55	1/4	3,483.83	1/4	3,123.57	1/4	2,765.20	1/4	2,405.70
1/2		1/2	4,443.17	1/2	4,265.71	1/2	4,072.66	1/2	3,879.09	1/2	3,685.52	1/2	3,476.32	1/2	3,116.06	1/2	2,757.72	1/2	2,398.21
3/4		3/4	4,441.84	3/4	4,261.69	3/4	4,068.62	3/4	3,875.06	3/4	3,681.49	3/4	3,468.82	3/4	3,108.56	3/4	2,750.23	3/4	2,390.72
1		1	4,440.51	1	4,257.67	1	4,064.59	1	3,871.02	1	3,677.45	1	3,461.31	1	3,101.05	1	2,742.75	1	2,383.23
1/4		1/4	4,439.18	1/4	4,253.65	1/4	4,060.56	1/4	3,866.99	1/4	3,673.42	1/4	3,453.81	1/4	3,093.55	1/4	2,735.27	1/4	2,375.74
1/2		1/2	4,436.59	1/2	4,249.64	1/2	4,056.53	1/2	3,862.96	1/2	3,669.39	1/2	3,446.30	1/2	3,086.07	1/2	2,727.78	1/2	2,368.24
3/4		3/4	4,434.01	3/4	4,245.62	3/4	4,052.49	3/4	3,858.92	3/4	3,665.35	3/4	3,438.79	3/4	3,078.60	3/4	2,720.29	3/4	2,360.74
2		2	4,431.42	2	4,241.60	2	4,048.46	2	3,854.89	2	3,661.32	2	3,431.29	2	3,071.13	2	2,712.80	2	2,353.23
1/4		1/4	4,428.84	1/4	4,237.58	1/4	4,044.43	1/4	3,850.86	1/4	3,657.29	1/4	3,423.78	1/4	3,063.66	1/4	2,705.31	1/4	2,345.73
1/2		1/2	4,425.00	1/2	4,233.56	1/2	4,040.40	1/2	3,846.83	1/2	3,653.26	1/2	3,416.28	1/2	3,056.19	1/2	2,697.82	1/2	2,338.22
3/4		3/4	4,421.17	3/4	4,229.55	3/4	4,036.36	3/4	3,842.79	3/4	3,649.22	3/4	3,408.77	3/4	3,048.73	3/4	2,690.33	3/4	2,330.72
3		3	4,417.34	3	4,225.53	3	4,032.33	3	3,838.76	3	3,645.19	3	3,401.27	3	3,041.26	3	2,682.84	3	2,323.21
1/4		1/4	4,413.50	1/4	4,221.51	1/4	4,028.30	1/4	3,834.73	1/4	3,641.16	1/4	3,393.76	1/4	3,033.79	1/4	2,675.35	1/4	2,315.71
1/2		1/2	4,409.53	1/2	4,217.49	1/2	4,024.27	1/2	3,830.70	1/2	3,637.13	1/2	3,386.26	1/2	3,026.33	1/2	2,667.86	1/2	2,308.20
3/4		3/4	4,405.55	3/4	4,213.47	3/4	4,020.23	3/4	3,826.66	3/4	3,633.09	3/4	3,378.75	3/4	3,018.86	3/4	2,660.37	3/4	2,300.70
4		4	4,401.57	4	4,209.46	4	4,016.20	4	3,822.63	4	3,629.06	4	3,371.25	4	3,011.39	4	2,652.88	4	2,293.19
1/4		1/4	4,397.60	1/4	4,205.44	1/4	4,012.17	1/4	3,818.60	1/4	3,625.03	1/4	3,363.74	1/4	3,003.92	1/4	2,645.39	1/4	2,285.69
1/2		1/2	4,393.62	1/2	4,201.42	1/2	4,008.13	1/2	3,814.56	1/2	3,621.00	1/2	3,356.23	1/2	2,996.46	1/2	2,637.90	1/2	2,278.18
3/4		3/4	4,389.65	3/4	4,197.40	3/4	4,004.10	3/4	3,810.53	3/4	3,616.96	3/4	3,348.73	3/4	2,988.99	3/4	2,630.41	3/4	2,270.68
5		5	4,385.67	5	4,193.38	5	4,000.07	5	3,806.50	5	3,612.93	5	3,341.22	5	2,981.52	5	2,622.92	5	2,263.17
1/4		1/4	4,381.70	1/4	4,189.36	1/4	3,996.04	1/4	3,802.47	1/4	3,608.90	1/4	3,333.72	1/4	2,974.06	1/4	2,615.43	1/4	2,255.67
1/2		1/2	4,377.72	1/2	4,185.35	1/2	3,992.00	1/2	3,798.43	1/2	3,604.86	1/2	3,326.21	1/2	2,966.59	1/2	2,607.94	1/2	2,248.17
3/4		3/4	4,373.75	3/4	4,181.33	3/4	3,987.97	3/4	3,794.40	3/4	3,600.83	3/4	3,318.71	3/4	2,959.12	3/4	2,600.45	3/4	2,240.66
6		6	4,369.77	6	4,177.31	6	3,983.94	6	3,790.37	6	3,596.80	6	3,311.20	6	2,951.65	6	2,592.96	6	2,233.16
1/4		1/4	4,365.80	1/4	4,173.29	1/4	3,979.91	1/4	3,786.34	1/4	3,592.77	1/4	3,303.70	1/4	2,944.18	1/4	2,585.47	1/4	2,225.65
1/2		1/2	4,361.82	1/2	4,169.27	1/2	3,975.87	1/2	3,782.30	1/2	3,588.73	1/2	3,296.19	1/2	2,936.71	1/2	2,577.98	1/2	2,218.15
3/4		3/4	4,357.85	3/4	4,165.26	3/4	3,971.84	3/4	3,778.27	3/4	3,584.70	3/4	3,288.69	3/4	2,929.24	3/4	2,570.49	3/4	2,210.64
7		7	4,353.87	7	4,161.24	7	3,967.81	7	3,774.24	7	3,580.67	7	3,281.18	7	2,921.77	7	2,563.00	7	2,203.14
1/4		1/4	4,349.90	1/4	4,157.22	1/4	3,963.77	1/4	3,770.21	1/4	3,576.64	1/4	3,273.68	1/4	2,914.30	1/4	2,555.51	1/4	2,195.63
1/2		1/2	4,345.92	1/2	4,153.20	1/2	3,959.74	1/2	3,766.17	1/2	3,572.60	1/2	3,266.17	1/2	2,906.84	1/2	2,548.02	1/2	2,188.13
3/4		3/4	4,341.95	3/4	4,149.18	3/4	3,955.71	3/4	3,762.14	3/4	3,568.57	3/4	3,258.66	3/4	2,899.39	3/4	2,540.53	3/4	2,180.62
8		8	4,337.97	8	4,145.17	8	3,951.68	8	3,758.11	8	3,564.54	8	3,251.16	8	2,891.93	8	2,533.04	8	2,173.12
1/4		1/4	4,334.00	1/4	4,141.15	1/4	3,947.64	1/4	3,754.07	1/4	3,560.50	1/4	3,243.65	1/4	2,884.47	1/4	2,525.55	1/4	2,165.61
1/2		1/2	4,329.98	1/2	4,137.13	1/2	3,943.61	1/2	3,750.04	1/2	3,556.47	1/2	3,236.15	1/2	2,877.02	1/2	2,518.06	1/2	2,158.11
3/4		3/4	4,325.97	3/4	4,133.11	3/4	3,939.58	3/4	3,746.01	3/4	3,552.44	3/4	3,228.64	3/4	2,869.56	3/4	2,510.57	3/4	2,150.60
9		9	4,321.96	9	4,129.09	9	3,935.55	9	3,741.98	9	3,548.41	9	3,221.14	9	2,862.11	9	2,503.08	9	2,143.10
1/4		1/4	4,317.94	1/4	4,125.08	1/4	3,931.51	1/4	3,737.94	1/4	3,544.37	1/4	3,213.63	1/4	2,854.65	1/4	2,495.59	1/4	2,135.59
1/2		1/2	4,313.93	1/2	4,121.04	1/2	3,927.48	1/2	3,733.91	1/2	3,540.34	1/2	3,206.13	1/2	2,847.20	1/2	2,488.10	1/2	2,128.09
3/4		3/4	4,309.91	3/4	4,117.01	3/4	3,923.45	3/4	3,729.88	3/4	3,536.31	3/4	3,198.62	3/4	2,839.74	3/4	2,480.61	3/4	2,120.58
10		10	4,305.89	10	4,112.98	10	3,919.42	10	3,725.85	10	3,532.28	10	3,191.12	10	2,832.29	10	2,473.12	10	2,113.08
1/4		1/4	4,301.87	1/4	4,108.95	1/4	3,915.38	1/4	3,721.81	1/4	3,528.24	1/4	3,183.61	1/4	2,824.83	1/4	2,465.63	1/4	2,105.57
1/2		1/2	4,297.85	1/2	4,104.92	1/2	3,911.35	1/2	3,717.78	1/2	3,524.21	1/2	3,176.11	1/2	2,817.38	1/2	2,458.14	1/2	2,098.07
3/4		3/4	4,293.84	3/4	4,100.89	3/4	3,907.32	3/4	3,713.75	3/4	3,520.18	3/4	3,168.60	3/4	2,809.92	3/4	2,450.65	3/4	2,090.56
11		11	4,289.82	11	4,096.85	11	3,903.28	11	3,709.71	11	3,516.15	11	3,161.09	11	2,802.47	11	2,443.16	11	2,083.06
1/4		1/4	4,285.80	1/4	4,092.82	1/4	3,899.25	1/4	3,705.68	1/4	3,512.11	1/4	3,153.59	1/4	2,795.01	1/4	2,435.66	1/4	2,075.55
1/2		1/2	4,281.78	1/2	4,088.79	1/2	3,895.22	1/2	3,701.65	1/2	3,505.04	1/2	3,146.08	1/2	2,787.56	1/2	2,428.17	1/2	2,068.04
3/4		3/4	4,444.66	3/4	4,277.76	3/4	4,084.76	3/4	3,891.19	3/4	3,697.62	3/4	3,497.97	3/4	3,138.58	3/4	2,780.11	3/4	2,420.68

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 TOP OF 2" HERMETIC CLOSED GAUGING VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 54'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HBC 301"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,053.03	0	1,692.64	0	1,332.26	0	972.18	0	611.95	0	251.58	0		0		0		0	
1/4	2,045.52	1/4	1,685.14	1/4	1,324.75	1/4	964.68	1/4	604.44	1/4	244.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,038.01	1/2	1,677.63	1/2	1,317.24	1/2	957.18	1/2	596.94	1/2	236.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,030.50	3/4	1,670.12	3/4	1,309.74	3/4	949.69	3/4	589.43	3/4	229.06	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,023.00	1	1,662.61	1	1,302.23	1	942.19	1	581.92	1	221.55	1	1	1	1	1	1	1	1
1/4	2,015.49	1/4	1,655.10	1/4	1,294.72	1/4	934.69	1/4	574.41	1/4	214.04	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,007.98	1/2	1,647.60	1/2	1,287.21	1/2	927.20	1/2	566.91	1/2	206.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,000.47	3/4	1,640.09	3/4	1,279.70	3/4	919.70	3/4	559.40	3/4	199.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,992.96	2	1,632.58	2	1,272.20	2	912.20	2	551.89	2	191.52	2	2	2	2	2	2	2	2
1/4	1,985.46	1/4	1,625.07	1/4	1,264.69	1/4	904.71	1/4	544.38	1/4	184.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,977.95	1/2	1,617.56	1/2	1,257.18	1/2	897.21	1/2	536.88	1/2	176.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,970.44	3/4	1,610.06	3/4	1,249.67	3/4	889.71	3/4	529.37	3/4	169.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,962.93	3	1,602.55	3	1,242.16	3	882.22	3	521.86	3	161.49	3	3	3	3	3	3	3	3
1/4	1,955.42	1/4	1,595.04	1/4	1,234.66	1/4	874.72	1/4	514.35	1/4	153.98	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,947.92	1/2	1,587.53	1/2	1,227.15	1/2	867.21	1/2	506.84	1/2	146.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,940.41	3/4	1,580.02	3/4	1,219.64	3/4	859.70	3/4	499.34	3/4	138.98	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,932.90	4	1,572.52	4	1,212.13	4	852.20	4	491.83	4	131.49	4	4	4	4	4	4	4	4
1/4	1,925.39	1/4	1,565.01	1/4	1,204.62	1/4	844.69	1/4	484.32	1/4	123.99	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,917.88	1/2	1,557.50	1/2	1,197.12	1/2	837.18	1/2	476.81	1/2	116.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,910.38	3/4	1,549.99	3/4	1,189.61	3/4	829.68	3/4	469.31	3/4	109.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,902.87	5	1,542.48	5	1,182.10	5	822.17	5	461.80	5	101.56	5	5	5	5	5	5	5	5
1/4	1,895.36	1/4	1,534.98	1/4	1,174.59	1/4	814.66	1/4	454.29	1/4	94.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,887.85	1/2	1,527.47	1/2	1,167.09	1/2	807.15	1/2	446.78	1/2	87.13	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,880.34	3/4	1,519.96	3/4	1,159.60	3/4	799.64	3/4	439.27	3/4	80.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,872.84	6	1,512.45	6	1,152.10	6	792.14	6	431.77	6	73.22	6	6	6	6	6	6	6	6
1/4	1,865.33	1/4	1,504.94	1/4	1,144.60	1/4	784.63	1/4	424.26	1/4	66.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,857.82	1/2	1,497.44	1/2	1,137.10	1/2	777.12	1/2	416.75	1/2	60.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,850.31	3/4	1,489.93	3/4	1,129.61	3/4	769.61	3/4	409.24	3/4	54.69	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,842.80	7	1,482.42	7	1,122.11	7	762.11	7	401.74	7	48.90	7	7	7	7	7	7	7	7
1/4	1,835.30	1/4	1,474.91	1/4	1,114.61	1/4	754.60	1/4	394.23	1/4	43.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,827.79	1/2	1,467.40	1/2	1,107.12	1/2	747.09	1/2	386.72	1/2	38.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,820.28	3/4	1,459.90	3/4	1,099.62	3/4	739.58	3/4	379.21	3/4	34.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,812.77	8	1,452.39	8	1,092.12	8	732.08	8	371.71	8	29.51	8	8	8	8	8	8	8	8
1/4	1,805.26	1/4	1,444.88	1/4	1,084.63	1/4	724.57	1/4	364.20	1/4	24.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,797.76	1/2	1,437.37	1/2	1,077.13	1/2	717.06	1/2	356.69	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,790.25	3/4	1,429.86	3/4	1,069.63	3/4	709.55	3/4	349.18	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,782.74	9	1,422.36	9	1,062.14	9	702.04	9	341.67	9		9	9	9	9	9	9	9	9
1/4	1,775.23	1/4	1,414.85	1/4	1,054.64	1/4	694.54	1/4	334.17	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,767.72	1/2	1,407.34	1/2	1,047.14	1/2	687.03	1/2	326.66	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,760.22	3/4	1,399.83	3/4	1,039.65	3/4	679.52	3/4	319.15	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,752.71	10	1,392.32	10	1,032.15	10	672.01	10	311.64	10		10	10	10	10	10	10	10	10
1/4	1,745.20	1/4	1,384.82	1/4	1,024.65	1/4	664.51	1/4	304.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,737.69	1/2	1,377.31	1/2	1,017.16	1/2	657.00	1/2	296.63	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,730.18	3/4	1,369.80	3/4	1,009.66	3/4	649.49	3/4	289.12	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,722.68	11	1,362.29	11	1,002.16	11	641.98	11	281.61	11		11	11	11	11	11	11	11	11
1/4	1,715.17	1/4	1,354.78	1/4	994.67	1/4	634.48	1/4	274.11	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,707.66	1/2	1,347.28	1/2	987.17	1/2	626.97	1/2	266.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,700.15	3/4	1,339.77	3/4	979.67	3/4	619.46	3/4	259.09	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: 04/13/2011 CL - SW
CALCULATED: 04/14/2011 CL
PRINTED: 04/14/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

PRECISION MEASUREMENT
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BARGE "HBC 301"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	4,258.26	0	4,065.26	0	3,871.69	0	3,678.12	0	3,481.53	0	3,123.24	0	2,765.39	0	2,406.67
1/4		1/4	4,421.14	1/4	4,254.24	1/4	4,061.23	1/4	3,867.66	1/4	3,674.09	1/4	3,474.47	1/4	3,115.75	1/4	2,757.95	1/4	2,399.20
1/2		1/2	4,421.06	1/2	4,250.22	1/2	4,057.20	1/2	3,863.63	1/2	3,670.06	1/2	3,467.41	1/2	3,108.25	1/2	2,750.51	1/2	2,391.72
3/4		3/4	4,420.98	3/4	4,246.20	3/4	4,053.16	3/4	3,859.59	3/4	3,666.02	3/4	3,460.35	3/4	3,100.76	3/4	2,743.07	3/4	2,384.24
1		1	4,419.64	1	4,242.18	1	4,049.13	1	3,855.56	1	3,661.99	1	3,452.86	1	3,093.27	1	2,735.60	1	2,376.77
1/4		1/4	4,418.31	1/4	4,238.16	1/4	4,045.10	1/4	3,851.53	1/4	3,657.96	1/4	3,445.37	1/4	3,085.78	1/4	2,728.13	1/4	2,369.29
1/2		1/2	4,416.98	1/2	4,234.15	1/2	4,041.07	1/2	3,847.50	1/2	3,653.93	1/2	3,437.88	1/2	3,078.29	1/2	2,720.66	1/2	2,361.81
3/4		3/4	4,415.65	3/4	4,230.13	3/4	4,037.03	3/4	3,843.46	3/4	3,649.89	3/4	3,430.38	3/4	3,070.80	3/4	2,713.19	3/4	2,354.34
2		2	4,413.07	2	4,226.11	2	4,033.00	2	3,839.43	2	3,645.86	2	3,422.89	2	3,063.34	2	2,705.71	2	2,346.85
1/4		1/4	4,410.48	1/4	4,222.09	1/4	4,028.97	1/4	3,835.40	1/4	3,641.83	1/4	3,415.40	1/4	3,055.88	1/4	2,698.24	1/4	2,339.36
1/2		1/2	4,407.90	1/2	4,218.07	1/2	4,024.94	1/2	3,831.37	1/2	3,637.80	1/2	3,407.91	1/2	3,048.42	1/2	2,690.76	1/2	2,331.87
3/4		3/4	4,405.31	3/4	4,214.06	3/4	4,020.90	3/4	3,827.33	3/4	3,633.76	3/4	3,400.42	3/4	3,040.97	3/4	2,683.29	3/4	2,324.38
3		3	4,401.48	3	4,210.04	3	4,016.87	3	3,823.30	3	3,629.73	3	3,392.93	3	3,033.51	3	2,675.81	3	2,316.89
1/4		1/4	4,397.64	1/4	4,206.02	1/4	4,012.84	1/4	3,819.27	1/4	3,625.70	1/4	3,385.44	1/4	3,026.06	1/4	2,668.33	1/4	2,309.40
1/2		1/2	4,393.81	1/2	4,202.00	1/2	4,008.80	1/2	3,815.23	1/2	3,621.67	1/2	3,377.94	1/2	3,018.61	1/2	2,660.86	1/2	2,301.91
3/4		3/4	4,389.98	3/4	4,197.98	3/4	4,004.77	3/4	3,811.20	3/4	3,617.63	3/4	3,370.45	3/4	3,011.16	3/4	2,653.38	3/4	2,294.42
4		4	4,386.00	4	4,193.97	4	4,000.74	4	3,807.17	4	3,613.60	4	3,362.96	4	3,003.70	4	2,645.91	4	2,286.93
1/4		1/4	4,382.02	1/4	4,189.95	1/4	3,996.71	1/4	3,803.14	1/4	3,609.57	1/4	3,355.47	1/4	2,996.25	1/4	2,638.43	1/4	2,279.43
1/2		1/2	4,378.05	1/2	4,185.93	1/2	3,992.67	1/2	3,799.10	1/2	3,605.53	1/2	3,347.98	1/2	2,988.80	1/2	2,630.96	1/2	2,271.94
3/4		3/4	4,374.07	3/4	4,181.91	3/4	3,988.64	3/4	3,795.07	3/4	3,601.50	3/4	3,340.49	3/4	2,981.34	3/4	2,623.48	3/4	2,264.45
5		5	4,370.10	5	4,177.89	5	3,984.61	5	3,791.04	5	3,597.47	5	3,333.00	5	2,973.89	5	2,616.01	5	2,256.96
1/4		1/4	4,366.12	1/4	4,173.88	1/4	3,980.58	1/4	3,787.01	1/4	3,593.44	1/4	3,325.50	1/4	2,966.44	1/4	2,608.53	1/4	2,249.47
1/2		1/2	4,362.15	1/2	4,169.86	1/2	3,976.54	1/2	3,782.97	1/2	3,589.40	1/2	3,318.01	1/2	2,958.98	1/2	2,601.06	1/2	2,241.98
3/4		3/4	4,358.17	3/4	4,165.84	3/4	3,972.51	3/4	3,778.94	3/4	3,585.37	3/4	3,310.52	3/4	2,951.53	3/4	2,593.58	3/4	2,234.49
6		6	4,354.20	6	4,161.82	6	3,968.48	6	3,774.91	6	3,581.34	6	3,303.03	6	2,944.08	6	2,586.10	6	2,227.00
1/4		1/4	4,350.22	1/4	4,157.80	1/4	3,964.44	1/4	3,770.88	1/4	3,577.31	1/4	3,295.54	1/4	2,936.62	1/4	2,578.63	1/4	2,219.51
1/2		1/2	4,346.25	1/2	4,153.78	1/2	3,960.41	1/2	3,766.84	1/2	3,573.27	1/2	3,288.05	1/2	2,929.17	1/2	2,571.15	1/2	2,212.02
3/4		3/4	4,342.27	3/4	4,149.77	3/4	3,956.38	3/4	3,762.81	3/4	3,569.24	3/4	3,280.56	3/4	2,921.71	3/4	2,563.68	3/4	2,204.53
7		7	4,338.30	7	4,145.75	7	3,952.35	7	3,758.78	7	3,565.21	7	3,273.06	7	2,914.26	7	2,556.20	7	2,197.03
1/4		1/4	4,334.32	1/4	4,141.73	1/4	3,948.31	1/4	3,754.74	1/4	3,561.17	1/4	3,265.57	1/4	2,906.80	1/4	2,548.72	1/4	2,189.54
1/2		1/2	4,330.35	1/2	4,137.71	1/2	3,944.28	1/2	3,750.71	1/2	3,557.14	1/2	3,258.08	1/2	2,899.34	1/2	2,541.25	1/2	2,182.05
3/4		3/4	4,326.37	3/4	4,133.69	3/4	3,940.25	3/4	3,746.68	3/4	3,553.11	3/4	3,250.59	3/4	2,891.89	3/4	2,533.77	3/4	2,174.56
8		8	4,322.40	8	4,129.68	8	3,936.22	8	3,742.65	8	3,549.08	8	3,243.10	8	2,884.45	8	2,526.29	8	2,167.07
1/4		1/4	4,318.42	1/4	4,125.66	1/4	3,932.18	1/4	3,738.61	1/4	3,545.04	1/4	3,235.61	1/4	2,877.00	1/4	2,518.82	1/4	2,159.58
1/2		1/2	4,314.45	1/2	4,121.64	1/2	3,928.15	1/2	3,734.58	1/2	3,541.01	1/2	3,228.12	1/2	2,869.56	1/2	2,511.34	1/2	2,152.09
3/4		3/4	4,310.47	3/4	4,117.62	3/4	3,924.12	3/4	3,730.55	3/4	3,536.98	3/4	3,220.62	3/4	2,862.12	3/4	2,503.86	3/4	2,144.60
9		9	4,306.46	9	4,113.60	9	3,920.08	9	3,726.52	9	3,532.95	9	3,213.13	9	2,854.68	9	2,496.39	9	2,137.11
1/4		1/4	4,302.44	1/4	4,109.59	1/4	3,916.05	1/4	3,722.48	1/4	3,528.91	1/4	3,205.64	1/4	2,847.23	1/4	2,488.91	1/4	2,129.62
1/2		1/2	4,298.43	1/2	4,105.57	1/2	3,912.02	1/2	3,718.45	1/2	3,524.88	1/2	3,198.15	1/2	2,839.79	1/2	2,481.44	1/2	2,122.13
3/4		3/4	4,294.42	3/4	4,101.55	3/4	3,907.99	3/4	3,714.42	3/4	3,520.85	3/4	3,190.66	3/4	2,832.35	3/4	2,473.96	3/4	2,114.63
10		10	4,290.40	10	4,097.52	10	3,903.95	10	3,710.38	10	3,516.81	10	3,183.17	10	2,824.91	10	2,466.48	10	2,107.14
1/4		1/4	4,286.38	1/4	4,093.49	1/4	3,899.92	1/4	3,706.35	1/4	3,512.78	1/4	3,175.68	1/4	2,817.47	1/4	2,459.01	1/4	2,099.65
1/2		1/2	4,282.36	1/2	4,089.46	1/2	3,895.89	1/2	3,702.32	1/2	3,508.75	1/2	3,168.19	1/2	2,810.03	1/2	2,451.53	1/2	2,092.16
3/4		3/4	4,278.35	3/4	4,085.43	3/4	3,891.86	3/4	3,698.29	3/4	3,504.72	3/4	3,160.69	3/4	2,802.59	3/4	2,444.05	3/4	2,084.67
11		11	4,274.33	11	4,081.39	11	3,887.82	11	3,694.25	11	3,500.68	11	3,153.20	11	2,795.15	11	2,436.58	11	2,077.18
1/4		1/4	4,270.31	1/4	4,077.36	1/4	3,883.79	1/4	3,690.22	1/4	3,496.65	1/4	3,145.71	1/4	2,787.71	1/4	2,429.10	1/4	2,069.69
1/2		1/2	4,266.29	1/2	4,073.33	1/2	3,879.76	1/2	3,686.19	1/2	3,492.62	1/2	3,138.22	1/2	2,780.27	1/2	2,421.62	1/2	2,062.20
3/4		3/4	4,262.27	3/4	4,069.29	3/4	3,875.73	3/4	3,682.16	3/4	3,488.59	3/4	3,130.73	3/4	2,772.82	3/4	2,414.15	3/4	2,054.71

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 TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 54'-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 "HBC 301"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,047.21	0	1,687.50	0	1,327.93	0	975.89	0	625.95	0	266.14	0		0		0		0	
1/4	2,039.72	1/4	1,680.01	1/4	1,320.46	1/4	968.66	1/4	618.46	1/4	258.65	1/4		1/4		1/4		1/4	
1/2	2,032.22	1/2	1,672.51	1/2	1,313.00	1/2	961.44	1/2	610.96	1/2	251.15	1/2		1/2		1/2		1/2	
3/4	2,024.73	3/4	1,665.02	3/4	1,305.54	3/4	954.21	3/4	603.47	3/4	243.65	3/4		3/4		3/4		3/4	
1	2,017.24	1	1,657.52	1	1,298.07	1	946.99	1	595.97	1	236.16	1		1		1		1	
1/4	2,009.74	1/4	1,650.03	1/4	1,290.61	1/4	939.76	1/4	588.47	1/4	228.66	1/4		1/4		1/4		1/4	
1/2	2,002.25	1/2	1,642.54	1/2	1,283.15	1/2	932.54	1/2	580.98	1/2	221.17	1/2		1/2		1/2		1/2	
3/4	1,994.75	3/4	1,635.04	3/4	1,275.68	3/4	925.31	3/4	573.48	3/4	213.67	3/4		3/4		3/4		3/4	
2	1,987.26	2	1,627.55	2	1,268.22	2	918.09	2	565.99	2	206.17	2		2		2		2	
1/4	1,979.77	1/4	1,620.05	1/4	1,260.76	1/4	910.87	1/4	558.49	1/4	198.68	1/4		1/4		1/4		1/4	
1/2	1,972.27	1/2	1,612.56	1/2	1,253.29	1/2	903.64	1/2	550.99	1/2	191.18	1/2		1/2		1/2		1/2	
3/4	1,964.78	3/4	1,605.07	3/4	1,245.83	3/4	896.42	3/4	543.50	3/4	183.69	3/4		3/4		3/4		3/4	
3	1,957.28	3	1,597.57	3	1,238.37	3	889.19	3	536.00	3	176.19	3		3		3		3	
1/4	1,949.79	1/4	1,590.08	1/4	1,230.90	1/4	881.97	1/4	528.51	1/4	168.70	1/4		1/4		1/4		1/4	
1/2	1,942.30	1/2	1,582.58	1/2	1,223.44	1/2	874.74	1/2	521.01	1/2	161.20	1/2		1/2		1/2		1/2	
3/4	1,934.80	3/4	1,575.09	3/4	1,215.98	3/4	867.52	3/4	513.51	3/4	153.70	3/4		3/4		3/4		3/4	
4	1,927.31	4	1,567.60	4	1,208.51	4	860.28	4	506.02	4	146.22	4		4		4		4	
1/4	1,919.81	1/4	1,560.10	1/4	1,201.05	1/4	853.05	1/4	498.52	1/4	138.73	1/4		1/4		1/4		1/4	
1/2	1,912.32	1/2	1,552.61	1/2	1,193.59	1/2	845.81	1/2	491.02	1/2	131.24	1/2		1/2		1/2		1/2	
3/4	1,904.83	3/4	1,545.11	3/4	1,186.12	3/4	838.58	3/4	483.53	3/4	123.75	3/4		3/4		3/4		3/4	
5	1,897.33	5	1,537.62	5	1,178.64	5	831.33	5	476.03	5	116.29	5		5		5		5	
1/4	1,889.84	1/4	1,530.13	1/4	1,171.55	1/4	824.08	1/4	468.54	1/4	108.82	1/4		1/4		1/4		1/4	
1/2	1,882.34	1/2	1,522.63	1/2	1,164.26	1/2	816.83	1/2	461.04	1/2	101.36	1/2		1/2		1/2		1/2	
3/4	1,874.85	3/4	1,515.14	3/4	1,156.97	3/4	809.58	3/4	453.54	3/4	93.89	3/4		3/4		3/4		3/4	
6	1,867.36	6	1,507.64	6	1,149.72	6	802.33	6	446.05	6	86.94	6		6		6		6	
1/4	1,859.86	1/4	1,500.15	1/4	1,142.46	1/4	795.07	1/4	438.55	1/4	79.99	1/4		1/4		1/4		1/4	
1/2	1,852.37	1/2	1,492.66	1/2	1,135.21	1/2	787.82	1/2	431.06	1/2	73.03	1/2		1/2		1/2		1/2	
3/4	1,844.87	3/4	1,485.16	3/4	1,127.96	3/4	780.57	3/4	423.56	3/4	66.08	3/4		3/4		3/4		3/4	
7	1,837.38	7	1,477.67	7	1,120.71	7	773.32	7	416.06	7	60.30	7		7		7		7	
1/4	1,829.89	1/4	1,470.17	1/4	1,113.45	1/4	766.06	1/4	408.57	1/4	54.53	1/4		1/4		1/4		1/4	
1/2	1,822.39	1/2	1,462.68	1/2	1,106.20	1/2	758.81	1/2	401.07	1/2	48.75	1/2		1/2		1/2		1/2	
3/4	1,814.90	3/4	1,455.19	3/4	1,098.95	3/4	751.56	3/4	393.58	3/4	42.97	3/4		3/4		3/4		3/4	
8	1,807.40	8	1,447.69	8	1,091.70	8	744.28	8	386.08	8	38.46	8		8		8		8	
1/4	1,799.91	1/4	1,440.20	1/4	1,084.45	1/4	737.00	1/4	378.58	1/4	33.94	1/4		1/4		1/4		1/4	
1/2	1,792.42	1/2	1,432.70	1/2	1,077.19	1/2	729.72	1/2	371.09	1/2	29.43	1/2		1/2		1/2		1/2	
3/4	1,784.92	3/4	1,425.21	3/4	1,069.94	3/4	722.44	3/4	363.59	3/4	24.91	3/4		3/4		3/4		3/4	
9	1,777.43	9	1,417.72	9	1,062.69	9	715.16	9	356.09	9		9		9		9		9	
1/4	1,769.93	1/4	1,410.22	1/4	1,055.43	1/4	707.88	1/4	348.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,762.44	1/2	1,402.73	1/2	1,048.18	1/2	700.59	1/2	341.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,754.95	3/4	1,395.23	3/4	1,040.93	3/4	693.31	3/4	333.61	3/4		3/4		3/4		3/4		3/4	
10	1,747.45	10	1,387.74	10	1,033.70	10	685.84	10	326.11	10		10		10		10		10	
1/4	1,739.96	1/4	1,380.25	1/4	1,026.47	1/4	678.37	1/4	318.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,732.46	1/2	1,372.75	1/2	1,019.24	1/2	670.90	1/2	311.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,724.97	3/4	1,365.26	3/4	1,012.01	3/4	663.43	3/4	303.63	3/4		3/4		3/4		3/4		3/4	
11	1,717.48	11	1,357.79	11	1,004.79	11	655.94	11	296.13	11		11		11		11		11	
1/4	1,709.98	1/4	1,350.32	1/4	997.56	1/4	648.44	1/4	288.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,702.49	1/2	1,342.86	1/2	990.34	1/2	640.95	1/2	281.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,694.99	3/4	1,335.39	3/4	983.11	3/4	633.45	3/4	273.64	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 CL - SW
CALCULATED: 04/14/2011 CL
PRINTED: 04/14/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

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