



BARGE "BUFFALO 400"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

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	10.19	0	146.70	0	317.68	0	513.33	0	729.96	0	949.42	0	1,168.87	0	1,388.33	0	1,607.79	0	1,827.24
1/4	11.50	1/4	150.08	1/4	321.51	1/4	517.68	1/4	734.53	1/4	953.99	1/4	1,173.45	1/4	1,392.90	1/4	1,612.36	1/4	1,831.81
1/2	12.82	1/2	153.46	1/2	325.33	1/2	522.03	1/2	739.11	1/2	958.56	1/2	1,178.02	1/2	1,397.47	1/2	1,616.93	1/2	1,836.39
3/4	14.13	3/4	156.83	3/4	329.16	3/4	526.39	3/4	743.68	3/4	963.13	3/4	1,182.59	3/4	1,402.05	3/4	1,621.50	3/4	1,840.96
1	15.44	1	160.21	1	332.99	1	530.74	1	748.25	1	967.71	1	1,187.16	1	1,406.62	1	1,626.07	1	1,845.53
1/4	17.84	1/4	163.62	1/4	336.85	1/4	535.13	1/4	752.82	1/4	972.28	1/4	1,191.73	1/4	1,411.19	1/4	1,630.65	1/4	1,850.10
1/2	20.24	1/2	167.04	1/2	340.72	1/2	539.53	1/2	757.39	1/2	976.85	1/2	1,196.31	1/2	1,415.76	1/2	1,635.22	1/2	1,854.67
3/4	22.63	3/4	170.46	3/4	344.58	3/4	543.92	3/4	761.97	3/4	981.42	3/4	1,200.88	3/4	1,420.33	3/4	1,639.79	3/4	1,859.25
2	25.03	2	173.87	2	348.45	2	548.31	2	766.54	2	985.99	2	1,205.45	2	1,424.91	2	1,644.36	2	1,863.82
1/4	27.78	1/4	177.33	1/4	352.36	1/4	552.75	1/4	771.11	1/4	990.57	1/4	1,210.02	1/4	1,429.48	1/4	1,648.93	1/4	1,868.39
1/2	30.52	1/2	180.78	1/2	356.27	1/2	557.18	1/2	775.68	1/2	995.14	1/2	1,214.59	1/2	1,434.05	1/2	1,653.51	1/2	1,872.96
3/4	33.27	3/4	184.24	3/4	360.17	3/4	561.62	3/4	780.25	3/4	999.71	3/4	1,219.17	3/4	1,438.62	3/4	1,658.08	3/4	1,877.53
3	36.02	3	187.69	3	364.08	3	566.05	3	784.83	3	1,004.28	3	1,223.74	3	1,443.19	3	1,662.65	3	1,882.11
1/4	38.83	1/4	191.17	1/4	368.03	1/4	570.53	1/4	789.40	1/4	1,008.85	1/4	1,228.31	1/4	1,447.77	1/4	1,667.22	1/4	1,886.68
1/2	41.64	1/2	194.64	1/2	371.99	1/2	575.00	1/2	793.97	1/2	1,013.43	1/2	1,232.88	1/2	1,452.34	1/2	1,671.79	1/2	1,891.25
3/4	44.45	3/4	198.12	3/4	375.94	3/4	579.48	3/4	798.54	3/4	1,018.00	3/4	1,237.45	3/4	1,456.91	3/4	1,676.37	3/4	1,895.82
4	47.26	4	201.59	4	379.89	4	583.95	4	803.11	4	1,022.57	4	1,242.03	4	1,461.48	4	1,680.94	4	1,900.39
1/4	50.13	1/4	205.08	1/4	383.92	1/4	588.47	1/4	807.69	1/4	1,027.14	1/4	1,246.60	1/4	1,466.05	1/4	1,685.51	1/4	1,904.97
1/2	52.99	1/2	208.56	1/2	387.95	1/2	592.98	1/2	812.26	1/2	1,031.71	1/2	1,251.17	1/2	1,470.63	1/2	1,690.08	1/2	1,909.54
3/4	55.86	3/4	212.04	3/4	391.97	3/4	597.50	3/4	816.83	3/4	1,036.29	3/4	1,255.74	3/4	1,475.20	3/4	1,694.65	3/4	1,914.11
5	58.72	5	215.53	5	396.00	5	602.02	5	821.40	5	1,040.86	5	1,260.31	5	1,479.77	5	1,699.23	5	1,918.68
1/4	61.64	1/4	219.05	1/4	400.07	1/4	606.57	1/4	825.97	1/4	1,045.43	1/4	1,264.89	1/4	1,484.34	1/4	1,703.80	1/4	1,923.25
1/2	64.55	1/2	222.57	1/2	404.14	1/2	611.13	1/2	830.55	1/2	1,050.00	1/2	1,269.46	1/2	1,488.91	1/2	1,708.37	1/2	1,927.83
3/4	67.47	3/4	226.10	3/4	408.20	3/4	615.68	3/4	835.12	3/4	1,054.57	3/4	1,274.03	3/4	1,493.49	3/4	1,712.94	3/4	1,932.40
6	70.38	6	229.62	6	412.27	6	620.23	6	839.69	6	1,059.15	6	1,278.60	6	1,498.06	6	1,717.51	6	1,936.97
1/4	73.34	1/4	233.18	1/4	416.38	1/4	624.81	1/4	844.26	1/4	1,063.72	1/4	1,283.17	1/4	1,502.63	1/4	1,722.09	1/4	1,941.54
1/2	76.30	1/2	236.75	1/2	420.49	1/2	629.38	1/2	848.83	1/2	1,068.29	1/2	1,287.75	1/2	1,507.20	1/2	1,726.66	1/2	1,946.11
3/4	79.26	3/4	240.31	3/4	424.60	3/4	633.95	3/4	853.41	3/4	1,072.86	3/4	1,292.32	3/4	1,511.77	3/4	1,731.23	3/4	1,950.69
7	82.22	7	243.88	7	428.71	7	638.52	7	857.98	7	1,077.43	7	1,296.89	7	1,516.35	7	1,735.80	7	1,955.26
1/4	85.25	1/4	247.48	1/4	432.86	1/4	643.09	1/4	862.55	1/4	1,082.01	1/4	1,301.46	1/4	1,520.92	1/4	1,740.37	1/4	1,959.83
1/2	88.27	1/2	251.09	1/2	437.01	1/2	647.67	1/2	867.12	1/2	1,086.58	1/2	1,306.03	1/2	1,525.49	1/2	1,744.95	1/2	1,964.40
3/4	91.30	3/4	254.69	3/4	441.16	3/4	652.24	3/4	871.69	3/4	1,091.15	3/4	1,310.61	3/4	1,530.06	3/4	1,749.52	3/4	1,968.97
8	94.32	8	258.30	8	445.31	8	656.81	8	876.27	8	1,095.72	8	1,315.18	8	1,534.63	8	1,754.09	8	1,973.55
1/4	97.54	1/4	261.94	1/4	449.50	1/4	661.38	1/4	880.84	1/4	1,100.29	1/4	1,319.75	1/4	1,539.21	1/4	1,758.66	1/4	1,978.12
1/2	100.75	1/2	265.59	1/2	453.69	1/2	665.95	1/2	885.41	1/2	1,104.87	1/2	1,324.32	1/2	1,543.78	1/2	1,763.23	1/2	1,982.69
3/4	103.96	3/4	269.23	3/4	457.88	3/4	670.53	3/4	889.98	3/4	1,109.44	3/4	1,328.89	3/4	1,548.35	3/4	1,767.81	3/4	1,987.26
9	107.17	9	272.88	9	462.07	9	675.10	9	894.55	9	1,114.01	9	1,333.47	9	1,552.92	9	1,772.38	9	1,991.83
1/4	110.43	1/4	276.57	1/4	466.30	1/4	679.67	1/4	899.13	1/4	1,118.58	1/4	1,338.04	1/4	1,557.49	1/4	1,776.95	1/4	1,996.41
1/2	113.68	1/2	280.25	1/2	470.53	1/2	684.24	1/2	903.70	1/2	1,123.15	1/2	1,342.61	1/2	1,562.07	1/2	1,781.52	1/2	2,000.98
3/4	116.93	3/4	283.94	3/4	474.76	3/4	688.81	3/4	908.27	3/4	1,127.73	3/4	1,347.18	3/4	1,566.64	3/4	1,786.09	3/4	2,005.55
10	120.19	10	287.62	10	478.99	10	693.39	10	912.84	10	1,132.30	10	1,351.75	10	1,571.21	10	1,790.67	10	2,010.12
1/4	123.48	1/4	291.35	1/4	483.26	1/4	697.96	1/4	917.41	1/4	1,136.87	1/4	1,356.33	1/4	1,575.78	1/4	1,795.24	1/4	2,014.69
1/2	126.78	1/2	295.08	1/2	487.53	1/2	702.53	1/2	921.99	1/2	1,141.44	1/2	1,360.90	1/2	1,580.35	1/2	1,799.81	1/2	2,019.27
3/4	130.07	3/4	298.81	3/4	491.80	3/4	707.10	3/4	926.56	3/4	1,146.01	3/4	1,365.47	3/4	1,584.93	3/4	1,804.38	3/4	2,023.84
11	133.36	11	302.54	11	496.08	11	711.67	11	931.13	11	1,150.59	11	1,370.04	11	1,589.50	11	1,808.95	11	2,028.41
1/4	136.70	1/4	306.33	1/4	500.39	1/4	716.25	1/4	935.70	1/4	1,155.16	1/4	1,374.61	1/4	1,594.07	1/4	1,813.53	1/4	2,032.98
1/2	140.03	1/2	310.11	1/2	504.70	1/2	720.82	1/2	940.27	1/2	1,159.73	1/2	1,379.19	1/2	1,598.64	1/2	1,818.10	1/2	2,037.55
3/4	143.37	3/4	313.90	3/4	509.01	3/4	725.39	3/4	944.85	3/4	1,164.30	3/4	1,383.76	3/4	1,603.21	3/4	1,822.67	3/4	2,042.13

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 INNAGE GAUGES TAKEN AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "BUFFALO 400"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

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	2,046.70	0	2,266.15	0	2,483.50	0		0		0		0		0		0		0	
1/4	2,051.27	1/4	2,270.72	1/4	2,488.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,055.84	1/2	2,275.29	1/2	2,492.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,060.41	3/4	2,279.85	3/4	2,497.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,064.99	1	2,284.42	1	2,501.60	1		1		1		1		1		1		1	
1/4	2,069.56	1/4	2,288.96	1/4	2,506.12	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,074.13	1/2	2,293.51	1/2	2,510.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,078.70	3/4	2,298.05	3/4	2,515.16	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,083.27	2	2,302.60	2	2,519.69	2		2		2		2		2		2		2	
1/4	2,087.85	1/4	2,307.12	1/4	2,524.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,092.42	1/2	2,311.64	1/2	2,528.73	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,096.99	3/4	2,316.16	3/4	2,533.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,101.56	3	2,320.69	3	2,537.78	3		3		3		3		3		3		3	
1/4	2,106.13	1/4	2,325.21	1/4	2,542.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,110.71	1/2	2,329.73	1/2	2,546.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,115.28	3/4	2,334.26	3/4	2,551.34	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,119.85	4	2,338.78	4	2,555.87	4		4		4		4		4		4		4	
1/4	2,124.42	1/4	2,343.30	1/4	2,560.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,128.99	1/2	2,347.82	1/2	2,564.91	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,133.57	3/4	2,352.35	3/4	2,569.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,138.14	5	2,356.87	5	2,573.94	5		5		5		5		5		5		5	
1/4	2,142.71	1/4	2,361.39	1/4	2,578.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,147.28	1/2	2,365.91	1/2	2,582.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,151.85	3/4	2,370.44	3/4	2,587.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,156.43	6	2,374.96	6	2,592.01	6		6		6		6		6		6		6	
1/4	2,161.00	1/4	2,379.48	1/4	2,596.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,165.57	1/2	2,384.01	1/2	2,601.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,170.14	3/4	2,388.53	3/4	2,605.54	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,174.71	7	2,393.05	7	2,610.05	7		7		7		7		7		7		7	
1/4	2,179.29	1/4	2,397.57	1/4	2,614.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,183.86	1/2	2,402.10	1/2	2,619.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,188.43	3/4	2,406.62	3/4	2,623.52	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,193.00	8	2,411.14	8	2,628.01	8		8		8		8		8		8		8	
1/4	2,197.57	1/4	2,415.66	1/4	2,632.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,202.15	1/2	2,420.19	1/2	2,636.86	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,206.72	3/4	2,424.71	3/4	2,641.29	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,211.29	9	2,429.23	9	2,645.71	9		9		9		9		9		9		9	
1/4	2,215.86	1/4	2,433.76	1/4	2,649.86	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,220.43	1/2	2,438.28	1/2	2,654.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,225.01	3/4	2,442.80	3/4	2,658.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,229.58	10	2,447.32	10	2,662.32	10		10		10		10		10		10		10	
1/4	2,234.15	1/4	2,451.85	1/4	2,665.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,238.72	1/2	2,456.37	1/2	2,668.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,243.29	3/4	2,460.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,247.87	11	2,465.41	11		11		11		11		11		11		11		11	
1/4	2,252.44	1/4	2,469.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,257.01	1/2	2,474.46	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,261.58	3/4	2,478.98	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: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

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



BARGE "BUFFALO 400"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	2,465.41	0	2,247.86	0	2,028.41	0	1,808.95	0	1,589.49	0	1,370.04
1/4		1/4		1/4		1/4		1/4	2,460.89	1/4	2,243.29	1/4	2,023.83	1/4	1,804.38	1/4	1,584.92	1/4	1,365.47
1/2		1/2		1/2		1/2	2,668.65	1/2	2,456.37	1/2	2,238.72	1/2	2,019.26	1/2	1,799.81	1/2	1,580.35	1/2	1,360.89
3/4		3/4		3/4		3/4	2,665.48	3/4	2,451.84	3/4	2,234.15	3/4	2,014.69	3/4	1,795.23	3/4	1,575.78	3/4	1,356.32
1		1		1		1	2,662.32	1	2,447.32	1	2,229.57	1	2,010.12	1	1,790.66	1	1,571.21	1	1,351.75
1/4		1/4		1/4		1/4	2,658.16	1/4	2,442.80	1/4	2,225.00	1/4	2,005.55	1/4	1,786.09	1/4	1,566.63	1/4	1,347.18
1/2		1/2		1/2		1/2	2,654.01	1/2	2,438.27	1/2	2,220.43	1/2	2,000.97	1/2	1,781.52	1/2	1,562.06	1/2	1,342.61
3/4		3/4		3/4		3/4	2,649.86	3/4	2,433.75	3/4	2,215.86	3/4	1,996.40	3/4	1,776.95	3/4	1,557.49	3/4	1,338.03
2		2		2		2	2,645.71	2	2,429.23	2	2,211.29	2	1,991.83	2	1,772.37	2	1,552.92	2	1,333.46
1/4		1/4		1/4		1/4	2,641.28	1/4	2,424.71	1/4	2,206.71	1/4	1,987.26	1/4	1,767.80	1/4	1,548.35	1/4	1,328.89
1/2		1/2		1/2		1/2	2,636.86	1/2	2,420.18	1/2	2,202.14	1/2	1,982.69	1/2	1,763.23	1/2	1,543.77	1/2	1,324.32
3/4		3/4		3/4		3/4	2,632.43	3/4	2,415.66	3/4	2,197.57	3/4	1,978.11	3/4	1,758.66	3/4	1,539.20	3/4	1,319.75
3		3		3		3	2,628.01	3	2,411.14	3	2,193.00	3	1,973.54	3	1,754.09	3	1,534.63	3	1,315.17
1/4		1/4		1/4		1/4	2,623.52	1/4	2,406.62	1/4	2,188.43	1/4	1,968.97	1/4	1,749.51	1/4	1,530.06	1/4	1,310.60
1/2		1/2		1/2		1/2	2,619.03	1/2	2,402.09	1/2	2,183.85	1/2	1,964.40	1/2	1,744.94	1/2	1,525.49	1/2	1,306.03
3/4		3/4		3/4		3/4	2,614.53	3/4	2,397.57	3/4	2,179.28	3/4	1,959.83	3/4	1,740.37	3/4	1,520.91	3/4	1,301.46
4		4		4		4	2,610.04	4	2,393.05	4	2,174.71	4	1,955.25	4	1,735.80	4	1,516.34	4	1,296.89
1/4		1/4		1/4		1/4	2,605.53	1/4	2,388.52	1/4	2,170.14	1/4	1,950.68	1/4	1,731.23	1/4	1,511.77	1/4	1,292.31
1/2		1/2		1/2		1/2	2,601.03	1/2	2,384.00	1/2	2,165.57	1/2	1,946.11	1/2	1,726.65	1/2	1,507.20	1/2	1,287.74
3/4		3/4		3/4		3/4	2,596.52	3/4	2,379.48	3/4	2,160.99	3/4	1,941.54	3/4	1,722.08	3/4	1,502.63	3/4	1,283.17
5		5		5		5	2,592.01	5	2,374.96	5	2,156.42	5	1,936.97	5	1,717.51	5	1,498.05	5	1,278.60
1/4		1/4		1/4		1/4	2,587.49	1/4	2,370.43	1/4	2,151.85	1/4	1,932.39	1/4	1,712.94	1/4	1,493.48	1/4	1,274.03
1/2		1/2		1/2		1/2	2,582.97	1/2	2,365.91	1/2	2,147.28	1/2	1,927.82	1/2	1,708.37	1/2	1,488.91	1/2	1,269.45
3/4		3/4		3/4		3/4	2,578.46	3/4	2,361.39	3/4	2,142.71	3/4	1,923.25	3/4	1,703.79	3/4	1,484.34	3/4	1,264.88
6		6		6		6	2,573.94	6	2,356.87	6	2,138.13	6	1,918.68	6	1,699.22	6	1,479.77	6	1,260.31
1/4		1/4		1/4		1/4	2,569.42	1/4	2,352.34	1/4	2,133.56	1/4	1,914.11	1/4	1,694.65	1/4	1,475.19	1/4	1,255.74
1/2		1/2		1/2		1/2	2,564.90	1/2	2,347.82	1/2	2,128.99	1/2	1,909.53	1/2	1,690.08	1/2	1,470.62	1/2	1,251.17
3/4		3/4		3/4		3/4	2,560.38	3/4	2,343.30	3/4	2,124.42	3/4	1,904.96	3/4	1,685.51	3/4	1,466.05	3/4	1,246.59
7		7		7		7	2,555.86	7	2,338.78	7	2,119.85	7	1,900.39	7	1,680.93	7	1,461.48	7	1,242.02
1/4		1/4		1/4		1/4	2,551.34	1/4	2,334.25	1/4	2,115.27	1/4	1,895.82	1/4	1,676.36	1/4	1,456.91	1/4	1,237.45
1/2		1/2		1/2		1/2	2,546.82	1/2	2,329.73	1/2	2,110.70	1/2	1,891.25	1/2	1,671.79	1/2	1,452.33	1/2	1,232.88
3/4		3/4		3/4		3/4	2,542.30	3/4	2,325.21	3/4	2,106.13	3/4	1,886.67	3/4	1,667.22	3/4	1,447.76	3/4	1,228.31
8		8		8		8	2,537.77	8	2,320.68	8	2,101.56	8	1,882.10	8	1,662.65	8	1,443.19	8	1,223.73
1/4		1/4		1/4		1/4	2,533.25	1/4	2,316.16	1/4	2,096.99	1/4	1,877.53	1/4	1,658.07	1/4	1,438.62	1/4	1,219.16
1/2		1/2		1/2		1/2	2,528.73	1/2	2,311.64	1/2	2,092.41	1/2	1,872.96	1/2	1,653.50	1/2	1,434.05	1/2	1,214.59
3/4		3/4		3/4		3/4	2,524.21	3/4	2,307.12	3/4	2,087.84	3/4	1,868.39	3/4	1,648.93	3/4	1,429.47	3/4	1,210.02
9		9		9		9	2,519.68	9	2,302.59	9	2,083.27	9	1,863.81	9	1,644.36	9	1,424.90	9	1,205.45
1/4		1/4		1/4		1/4	2,515.16	1/4	2,298.05	1/4	2,078.70	1/4	1,859.24	1/4	1,639.79	1/4	1,420.33	1/4	1,200.87
1/2		1/2		1/2		1/2	2,510.64	1/2	2,293.51	1/2	2,074.13	1/2	1,854.67	1/2	1,635.21	1/2	1,415.76	1/2	1,196.30
3/4		3/4		3/4		3/4	2,506.11	3/4	2,288.96	3/4	2,069.55	3/4	1,850.10	3/4	1,630.64	3/4	1,411.19	3/4	1,191.73
10		10		10		10	2,501.59	10	2,284.42	10	2,064.98	10	1,845.53	10	1,626.07	10	1,406.61	10	1,187.16
1/4		1/4		1/4		1/4	2,497.07	1/4	2,279.85	1/4	2,060.41	1/4	1,840.95	1/4	1,621.50	1/4	1,402.04	1/4	1,182.59
1/2		1/2		1/2		1/2	2,492.55	1/2	2,275.28	1/2	2,055.84	1/2	1,836.38	1/2	1,616.93	1/2	1,397.47	1/2	1,178.01
3/4		3/4		3/4		3/4	2,488.02	3/4	2,270.72	3/4	2,051.27	3/4	1,831.81	3/4	1,612.35	3/4	1,392.90	3/4	1,173.44
11		11		11		11	2,483.50	11	2,266.15	11	2,046.69	11	1,827.24	11	1,607.78	11	1,388.33	11	1,168.87
1/4		1/4		1/4		1/4	2,478.98	1/4	2,261.58	1/4	2,042.12	1/4	1,822.67	1/4	1,603.21	1/4	1,383.75	1/4	1,164.30
1/2		1/2		1/2		1/2	2,474.46	1/2	2,257.01	1/2	2,037.55	1/2	1,818.09	1/2	1,598.64	1/2	1,379.18	1/2	1,159.73
3/4		3/4		3/4		3/4	2,469.93	3/4	2,252.43	3/4	2,032.98	3/4	1,813.52	3/4	1,594.07	3/4	1,374.61	3/4	1,155.15

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 AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "BUFFALO 400"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

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	1,150.58	0	931.13	0	711.67	0	496.07	0	302.54	0	133.36	0		0		0		0	
1/4	1,146.01	1/4	926.55	1/4	707.10	1/4	491.80	1/4	298.81	1/4	130.07	1/4		1/4		1/4		1/4	
1/2	1,141.44	1/2	921.98	1/2	702.53	1/2	487.53	1/2	295.08	1/2	126.77	1/2		1/2		1/2		1/2	
3/4	1,136.87	3/4	917.41	3/4	697.95	3/4	483.26	3/4	291.35	3/4	123.48	3/4		3/4		3/4		3/4	
1	1,132.29	1	912.84	1	693.38	1	478.99	1	287.62	1	120.18	1		1		1		1	
1/4	1,127.72	1/4	908.27	1/4	688.81	1/4	474.76	1/4	283.94	1/4	116.93	1/4		1/4		1/4		1/4	
1/2	1,123.15	1/2	903.69	1/2	684.24	1/2	470.52	1/2	280.25	1/2	113.68	1/2		1/2		1/2		1/2	
3/4	1,118.58	3/4	899.12	3/4	679.67	3/4	466.29	3/4	276.56	3/4	110.42	3/4		3/4		3/4		3/4	
2	1,114.01	2	894.55	2	675.09	2	462.06	2	272.88	2	107.17	2		2		2		2	
1/4	1,109.43	1/4	889.98	1/4	670.52	1/4	457.87	1/4	269.23	1/4	103.96	1/4		1/4		1/4		1/4	
1/2	1,104.86	1/2	885.41	1/2	665.95	1/2	453.68	1/2	265.58	1/2	100.74	1/2		1/2		1/2		1/2	
3/4	1,100.29	3/4	880.83	3/4	661.38	3/4	449.49	3/4	261.94	3/4	97.53	3/4		3/4		3/4		3/4	
3	1,095.72	3	876.26	3	656.81	3	445.30	3	258.29	3	94.32	3		3		3		3	
1/4	1,091.15	1/4	871.69	1/4	652.23	1/4	441.15	1/4	254.69	1/4	91.29	1/4		1/4		1/4		1/4	
1/2	1,086.57	1/2	867.12	1/2	647.66	1/2	437.00	1/2	251.08	1/2	88.27	1/2		1/2		1/2		1/2	
3/4	1,082.00	3/4	862.55	3/4	643.09	3/4	432.85	3/4	247.48	3/4	85.25	3/4		3/4		3/4		3/4	
4	1,077.43	4	857.97	4	638.52	4	428.70	4	243.87	4	82.22	4		4		4		4	
1/4	1,072.86	1/4	853.40	1/4	633.95	1/4	424.60	1/4	240.31	1/4	79.26	1/4		1/4		1/4		1/4	
1/2	1,068.29	1/2	848.83	1/2	629.37	1/2	420.49	1/2	236.74	1/2	76.30	1/2		1/2		1/2		1/2	
3/4	1,063.71	3/4	844.26	3/4	624.80	3/4	416.38	3/4	233.18	3/4	73.34	3/4		3/4		3/4		3/4	
5	1,059.14	5	839.69	5	620.23	5	412.27	5	229.62	5	70.38	5		5		5		5	
1/4	1,054.57	1/4	835.11	1/4	615.68	1/4	408.20	1/4	226.09	1/4	67.46	1/4		1/4		1/4		1/4	
1/2	1,050.00	1/2	830.54	1/2	611.12	1/2	404.13	1/2	222.57	1/2	64.55	1/2		1/2		1/2		1/2	
3/4	1,045.43	3/4	825.97	3/4	606.57	3/4	400.07	3/4	219.05	3/4	61.63	3/4		3/4		3/4		3/4	
6	1,040.85	6	821.40	6	602.01	6	396.00	6	215.52	6	58.72	6		6		6		6	
1/4	1,036.28	1/4	816.83	1/4	597.50	1/4	391.97	1/4	212.04	1/4	55.85	1/4		1/4		1/4		1/4	
1/2	1,031.71	1/2	812.25	1/2	592.98	1/2	387.94	1/2	208.56	1/2	52.99	1/2		1/2		1/2		1/2	
3/4	1,027.14	3/4	807.68	3/4	588.47	3/4	383.92	3/4	205.07	3/4	50.12	3/4		3/4		3/4		3/4	
7	1,022.57	7	803.11	7	583.95	7	379.89	7	201.59	7	47.26	7		7		7		7	
1/4	1,017.99	1/4	798.54	1/4	579.47	1/4	375.94	1/4	198.12	1/4	44.45	1/4		1/4		1/4		1/4	
1/2	1,013.42	1/2	793.97	1/2	575.00	1/2	371.98	1/2	194.64	1/2	41.64	1/2		1/2		1/2		1/2	
3/4	1,008.85	3/4	789.39	3/4	570.52	3/4	368.03	3/4	191.16	3/4	38.82	3/4		3/4		3/4		3/4	
8	1,004.28	8	784.82	8	566.05	8	364.08	8	187.69	8	36.01	8		8		8		8	
1/4	999.71	1/4	780.25	1/4	561.61	1/4	360.17	1/4	184.23	1/4	33.27	1/4		1/4		1/4		1/4	
1/2	995.13	1/2	775.68	1/2	557.18	1/2	356.26	1/2	180.78	1/2	30.52	1/2		1/2		1/2		1/2	
3/4	990.56	3/4	771.11	3/4	552.74	3/4	352.36	3/4	177.32	3/4	27.77	3/4		3/4		3/4		3/4	
9	985.99	9	766.53	9	548.31	9	348.45	9	173.87	9	25.03	9		9		9		9	
1/4	981.42	1/4	761.96	1/4	543.92	1/4	344.58	1/4	170.45	1/4	22.63	1/4		1/4		1/4		1/4	
1/2	976.85	1/2	757.39	1/2	539.52	1/2	340.71	1/2	167.04	1/2	20.23	1/2		1/2		1/2		1/2	
3/4	972.27	3/4	752.82	3/4	535.13	3/4	336.85	3/4	163.62	3/4	17.84	3/4		3/4		3/4		3/4	
10	967.70	10	748.25	10	530.74	10	332.98	10	160.20	10	15.44	10		10		10		10	
1/4	963.13	1/4	743.67	1/4	526.38	1/4	329.16	1/4	156.83	1/4	14.13	1/4		1/4		1/4		1/4	
1/2	958.56	1/2	739.10	1/2	522.03	1/2	325.33	1/2	153.45	1/2	12.81	1/2		1/2		1/2		1/2	
3/4	953.99	3/4	734.53	3/4	517.68	3/4	321.50	3/4	150.08	3/4	11.50	3/4		3/4		3/4		3/4	
11	949.41	11	729.96	11	513.32	11	317.68	11	146.70	11	10.19	11		11		11		11	
1/4	944.84	1/4	725.39	1/4	509.01	1/4	313.89	1/4	143.37	1/4		1/4		1/4		1/4		1/4	
1/2	940.27	1/2	720.81	1/2	504.70	1/2	310.11	1/2	140.03	1/2		1/2		1/2		1/2		1/2	
3/4	935.70	3/4	716.24	3/4	500.39	3/4	306.32	3/4	136.70	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "BUFFALO 400"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	10.21	0	147.19	0	319.90	0	516.62	0	733.73	0	953.66	0	1,173.59	0	1,393.52	0	1,613.45	0	1,833.39
1/4	11.53	1/4	150.57	1/4	323.77	1/4	520.98	1/4	738.31	1/4	958.24	1/4	1,178.17	1/4	1,398.11	1/4	1,618.04	1/4	1,837.97
1/2	12.85	1/2	153.96	1/2	327.65	1/2	525.34	1/2	742.89	1/2	962.83	1/2	1,182.76	1/2	1,402.69	1/2	1,622.62	1/2	1,842.55
3/4	14.17	3/4	157.34	3/4	331.52	3/4	529.71	3/4	747.48	3/4	967.41	3/4	1,187.34	3/4	1,407.27	3/4	1,627.20	3/4	1,847.13
1	15.49	1	160.73	1	335.40	1	534.07	1	752.06	1	971.99	1	1,191.92	1	1,411.85	1	1,631.78	1	1,851.71
1/4	17.90	1/4	164.15	1/4	339.31	1/4	538.47	1/4	756.64	1/4	976.57	1/4	1,196.50	1/4	1,416.43	1/4	1,636.36	1/4	1,856.30
1/2	20.30	1/2	167.58	1/2	343.23	1/2	542.88	1/2	761.22	1/2	981.15	1/2	1,201.08	1/2	1,421.02	1/2	1,640.95	1/2	1,860.88
3/4	22.71	3/4	171.01	3/4	347.14	3/4	547.28	3/4	765.80	3/4	985.73	3/4	1,205.67	3/4	1,425.60	3/4	1,645.53	3/4	1,865.46
2	25.12	2	174.43	2	351.06	2	551.69	2	770.39	2	990.32	2	1,210.25	2	1,430.18	2	1,650.11	2	1,870.04
1/4	27.87	1/4	177.90	1/4	355.01	1/4	556.13	1/4	774.97	1/4	994.90	1/4	1,214.83	1/4	1,434.76	1/4	1,654.69	1/4	1,874.62
1/2	30.63	1/2	181.36	1/2	358.97	1/2	560.57	1/2	779.55	1/2	999.48	1/2	1,219.41	1/2	1,439.34	1/2	1,659.27	1/2	1,879.21
3/4	33.38	3/4	184.83	3/4	362.92	3/4	565.02	3/4	784.13	3/4	1,004.06	3/4	1,223.99	3/4	1,443.92	3/4	1,663.86	3/4	1,883.79
3	36.14	3	188.29	3	366.88	3	569.46	3	788.71	3	1,008.64	3	1,228.58	3	1,448.51	3	1,668.44	3	1,888.37
1/4	38.96	1/4	191.78	1/4	370.88	1/4	573.95	1/4	793.29	1/4	1,013.23	1/4	1,233.16	1/4	1,453.09	1/4	1,673.02	1/4	1,892.95
1/2	41.78	1/2	195.27	1/2	374.87	1/2	578.43	1/2	797.88	1/2	1,017.81	1/2	1,237.74	1/2	1,457.67	1/2	1,677.60	1/2	1,897.53
3/4	44.60	3/4	198.76	3/4	378.87	3/4	582.92	3/4	802.46	3/4	1,022.39	3/4	1,242.32	3/4	1,462.25	3/4	1,682.18	3/4	1,902.11
4	47.42	4	202.25	4	382.87	4	587.40	4	807.04	4	1,026.97	4	1,246.90	4	1,466.83	4	1,686.77	4	1,906.70
1/4	50.30	1/4	205.79	1/4	386.90	1/4	591.93	1/4	811.62	1/4	1,031.55	1/4	1,251.48	1/4	1,471.42	1/4	1,691.35	1/4	1,911.28
1/2	53.17	1/2	209.32	1/2	390.94	1/2	596.46	1/2	816.20	1/2	1,036.14	1/2	1,256.07	1/2	1,476.00	1/2	1,695.93	1/2	1,915.86
3/4	56.05	3/4	212.85	3/4	394.98	3/4	600.98	3/4	820.79	3/4	1,040.72	3/4	1,260.65	3/4	1,480.58	3/4	1,700.51	3/4	1,920.44
5	58.93	5	216.38	5	399.01	5	605.51	5	825.37	5	1,045.30	5	1,265.23	5	1,485.16	5	1,705.09	5	1,925.02
1/4	61.85	1/4	219.95	1/4	403.09	1/4	610.07	1/4	829.95	1/4	1,049.88	1/4	1,269.81	1/4	1,489.74	1/4	1,709.67	1/4	1,929.61
1/2	64.78	1/2	223.52	1/2	407.17	1/2	614.64	1/2	834.53	1/2	1,054.46	1/2	1,274.39	1/2	1,494.33	1/2	1,714.26	1/2	1,934.19
3/4	67.70	3/4	227.10	3/4	411.25	3/4	619.20	3/4	839.11	3/4	1,059.05	3/4	1,278.98	3/4	1,498.91	3/4	1,718.84	3/4	1,938.77
6	70.62	6	230.67	6	415.33	6	623.76	6	843.70	6	1,063.63	6	1,283.56	6	1,503.49	6	1,723.42	6	1,943.35
1/4	73.60	1/4	234.28	1/4	419.44	1/4	628.35	1/4	848.28	1/4	1,068.21	1/4	1,288.14	1/4	1,508.07	1/4	1,728.00	1/4	1,947.93
1/2	76.57	1/2	237.89	1/2	423.56	1/2	632.93	1/2	852.86	1/2	1,072.79	1/2	1,292.72	1/2	1,512.65	1/2	1,732.58	1/2	1,952.52
3/4	79.54	3/4	241.51	3/4	427.68	3/4	637.51	3/4	857.44	3/4	1,077.37	3/4	1,297.30	3/4	1,517.24	3/4	1,737.17	3/4	1,957.10
7	82.51	7	245.12	7	431.80	7	642.09	7	862.02	7	1,081.95	7	1,301.89	7	1,521.82	7	1,741.75	7	1,961.68
1/4	85.54	1/4	248.77	1/4	435.96	1/4	646.67	1/4	866.61	1/4	1,086.54	1/4	1,306.47	1/4	1,526.40	1/4	1,746.33	1/4	1,966.26
1/2	88.58	1/2	252.43	1/2	440.12	1/2	651.26	1/2	871.19	1/2	1,091.12	1/2	1,311.05	1/2	1,530.98	1/2	1,750.91	1/2	1,970.84
3/4	91.61	3/4	256.08	3/4	444.28	3/4	655.84	3/4	875.77	3/4	1,095.70	3/4	1,315.63	3/4	1,535.56	3/4	1,755.49	3/4	1,975.43
8	94.65	8	259.73	8	448.44	8	660.42	8	880.35	8	1,100.28	8	1,320.21	8	1,540.14	8	1,760.08	8	1,980.01
1/4	97.87	1/4	263.43	1/4	452.64	1/4	665.00	1/4	884.93	1/4	1,104.86	1/4	1,324.80	1/4	1,544.73	1/4	1,764.66	1/4	1,984.59
1/2	101.09	1/2	267.12	1/2	456.84	1/2	669.58	1/2	889.51	1/2	1,109.45	1/2	1,329.38	1/2	1,549.31	1/2	1,769.24	1/2	1,989.17
3/4	104.31	3/4	270.82	3/4	461.04	3/4	674.17	3/4	894.10	3/4	1,114.03	3/4	1,333.96	3/4	1,553.89	3/4	1,773.82	3/4	1,993.75
9	107.54	9	274.51	9	465.24	9	678.75	9	898.68	9	1,118.61	9	1,338.54	9	1,558.47	9	1,778.40	9	1,998.33
1/4	110.80	1/4	278.25	1/4	469.48	1/4	683.33	1/4	903.26	1/4	1,123.19	1/4	1,343.12	1/4	1,563.05	1/4	1,782.99	1/4	2,002.92
1/2	114.06	1/2	281.98	1/2	473.72	1/2	687.91	1/2	907.84	1/2	1,127.77	1/2	1,347.70	1/2	1,567.64	1/2	1,787.57	1/2	2,007.50
3/4	117.33	3/4	285.72	3/4	477.96	3/4	692.49	3/4	912.42	3/4	1,132.36	3/4	1,352.29	3/4	1,572.22	3/4	1,792.15	3/4	2,012.08
10	120.59	10	289.45	10	482.20	10	697.08	10	917.01	10	1,136.94	10	1,356.87	10	1,576.80	10	1,796.73	10	2,016.66
1/4	123.89	1/4	293.23	1/4	486.48	1/4	701.66	1/4	921.59	1/4	1,141.52	1/4	1,361.45	1/4	1,581.38	1/4	1,801.31	1/4	2,021.24
1/2	127.20	1/2	297.01	1/2	490.77	1/2	706.24	1/2	926.17	1/2	1,146.10	1/2	1,366.03	1/2	1,585.96	1/2	1,805.89	1/2	2,025.83
3/4	130.50	3/4	300.79	3/4	495.05	3/4	710.82	3/4	930.75	3/4	1,150.68	3/4	1,370.61	3/4	1,590.55	3/4	1,810.48	3/4	2,030.41
11	133.81	11	304.56	11	499.33	11	715.40	11	935.33	11	1,155.27	11	1,375.20	11	1,595.13	11	1,815.06	11	2,034.99
1/4	137.15	1/4	308.40	1/4	503.65	1/4	719.98	1/4	939.92	1/4	1,159.85	1/4	1,379.78	1/4	1,599.71	1/4	1,819.64	1/4	2,039.57
1/2	140.50	1/2	312.23	1/2	507.97	1/2	724.57	1/2	944.50	1/2	1,164.43	1/2	1,384.36	1/2	1,604.29	1/2	1,824.22	1/2	2,044.15
3/4	143.84	3/4	316.06	3/4	512.30	3/4	729.15	3/4	949.08	3/4	1,169.01	3/4	1,388.94	3/4	1,608.87	3/4	1,828.80	3/4	2,048.74

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 INNAGE GAUGES TAKEN AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "BUFFALO 400"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,053.32	0	2,273.25	0	2,491.09	0		0		0		0		0		0		0	
1/4	2,057.90	1/4	2,277.83	1/4	2,495.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,062.48	1/2	2,282.41	1/2	2,500.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,067.06	3/4	2,286.99	3/4	2,504.69	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,071.64	1	2,291.57	1	2,509.22	1		1		1		1		1		1		1	
1/4	2,076.23	1/4	2,296.13	1/4	2,513.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,080.81	1/2	2,300.68	1/2	2,518.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,085.39	3/4	2,305.24	3/4	2,522.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,089.97	2	2,309.79	2	2,527.35	2		2		2		2		2		2		2	
1/4	2,094.55	1/4	2,314.32	1/4	2,531.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,099.14	1/2	2,318.85	1/2	2,536.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,103.72	3/4	2,323.39	3/4	2,540.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,108.30	3	2,327.92	3	2,545.48	3		3		3		3		3		3		3	
1/4	2,112.88	1/4	2,332.45	1/4	2,550.02	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,117.46	1/2	2,336.99	1/2	2,554.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,122.05	3/4	2,341.52	3/4	2,559.08	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,126.63	4	2,346.05	4	2,563.62	4		4		4		4		4		4		4	
1/4	2,131.21	1/4	2,350.58	1/4	2,568.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,135.79	1/2	2,355.12	1/2	2,572.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,140.37	3/4	2,359.65	3/4	2,577.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,144.96	5	2,364.18	5	2,581.74	5		5		5		5		5		5		5	
1/4	2,149.54	1/4	2,368.71	1/4	2,586.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,154.12	1/2	2,373.25	1/2	2,590.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,158.70	3/4	2,377.78	3/4	2,595.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,163.28	6	2,382.31	6	2,599.85	6		6		6		6		6		6		6	
1/4	2,167.86	1/4	2,386.84	1/4	2,604.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,172.45	1/2	2,391.38	1/2	2,608.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,177.03	3/4	2,395.91	3/4	2,613.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,181.61	7	2,400.44	7	2,617.92	7		7		7		7		7		7		7	
1/4	2,186.19	1/4	2,404.97	1/4	2,622.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,190.77	1/2	2,409.51	1/2	2,626.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,195.36	3/4	2,414.04	3/4	2,631.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,199.94	8	2,418.57	8	2,635.93	8		8		8		8		8		8		8	
1/4	2,204.52	1/4	2,423.10	1/4	2,640.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,209.10	1/2	2,427.64	1/2	2,644.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,213.68	3/4	2,432.17	3/4	2,649.23	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,218.27	9	2,436.70	9	2,653.67	9		9		9		9		9		9		9	
1/4	2,222.85	1/4	2,441.24	1/4	2,657.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,227.43	1/2	2,445.77	1/2	2,661.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,232.01	3/4	2,450.30	3/4	2,666.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,236.59	10	2,454.83	10	2,670.31	10		10		10		10		10		10		10	
1/4	2,241.18	1/4	2,459.37	1/4	2,673.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,245.76	1/2	2,463.90	1/2	2,676.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,250.34	3/4	2,468.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,254.92	11	2,472.96	11		11		11		11		11		11		11		11	
1/4	2,259.50	1/4	2,477.50	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,264.08	1/2	2,482.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,268.67	3/4	2,486.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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Pearland, Texas 77588
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BARGE "BUFFALO 400"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	2,482.03	0	2,264.08	0	2,044.15	0	1,824.22	0	1,604.29	0	1,384.36
1/4		1/4		1/4		1/4		1/4	2,477.49	1/4	2,259.50	1/4	2,039.57	1/4	1,819.64	1/4	1,599.71	1/4	1,379.78
1/2		1/2		1/2		1/2		1/2	2,472.96	1/2	2,254.92	1/2	2,034.99	1/2	1,815.06	1/2	1,595.13	1/2	1,375.19
3/4		3/4		3/4		3/4		3/4	2,468.43	3/4	2,250.34	3/4	2,030.41	3/4	1,810.47	3/4	1,590.54	3/4	1,370.61
1		1		1		1	2,676.66	1	2,463.90	1	2,245.76	1	2,025.82	1	1,805.89	1	1,585.96	1	1,366.03
1/4		1/4		1/4		1/4		1/4	2,673.49	1/4	2,459.36	1/4	2,241.17	1/4	2,021.24	1/4	1,801.31	1/4	1,361.45
1/2		1/2		1/2		1/2		1/2	2,670.31	1/2	2,454.83	1/2	2,236.59	1/2	2,016.66	1/2	1,796.73	1/2	1,356.87
3/4		3/4		3/4		3/4		3/4	2,666.15	3/4	2,450.30	3/4	2,232.01	3/4	2,012.08	3/4	1,792.15	3/4	1,352.28
2		2		2		2	2,661.99	2	2,445.77	2	2,227.43	2	2,007.50	2	1,787.57	2	1,567.63	2	1,347.70
1/4		1/4		1/4		1/4		1/4	2,657.83	1/4	2,441.23	1/4	2,222.85	1/4	2,002.91	1/4	1,782.98	1/4	1,343.12
1/2		1/2		1/2		1/2		1/2	2,653.66	1/2	2,436.70	1/2	2,218.26	1/2	1,998.33	1/2	1,778.40	1/2	1,338.54
3/4		3/4		3/4		3/4		3/4	2,649.23	3/4	2,432.17	3/4	2,213.68	3/4	1,993.75	3/4	1,773.82	3/4	1,333.96
3		3		3		3	2,644.80	3	2,427.64	3	2,209.10	3	1,989.17	3	1,769.24	3	1,549.31	3	1,329.38
1/4		1/4		1/4		1/4		1/4	2,640.36	1/4	2,423.10	1/4	2,204.52	1/4	1,984.59	1/4	1,764.66	1/4	1,324.79
1/2		1/2		1/2		1/2		1/2	2,635.93	1/2	2,418.57	1/2	2,199.94	1/2	1,980.01	1/2	1,760.07	1/2	1,320.21
3/4		3/4		3/4		3/4		3/4	2,631.43	3/4	2,414.04	3/4	2,195.35	3/4	1,975.42	3/4	1,755.49	3/4	1,315.63
4		4		4		4	2,626.93	4	2,409.51	4	2,190.77	4	1,970.84	4	1,750.91	4	1,530.98	4	1,311.05
1/4		1/4		1/4		1/4		1/4	2,622.42	1/4	2,404.97	1/4	2,186.19	1/4	1,966.26	1/4	1,746.33	1/4	1,306.47
1/2		1/2		1/2		1/2		1/2	2,617.92	1/2	2,400.44	1/2	2,181.61	1/2	1,961.68	1/2	1,741.75	1/2	1,301.88
3/4		3/4		3/4		3/4		3/4	2,613.40	3/4	2,395.91	3/4	2,177.03	3/4	1,957.10	3/4	1,737.16	3/4	1,297.30
5		5		5		5	2,608.88	5	2,391.37	5	2,172.45	5	1,952.51	5	1,732.58	5	1,512.65	5	1,292.72
1/4		1/4		1/4		1/4		1/4	2,604.37	1/4	2,386.84	1/4	2,167.86	1/4	1,947.93	1/4	1,728.00	1/4	1,288.14
1/2		1/2		1/2		1/2		1/2	2,599.85	1/2	2,382.31	1/2	2,163.28	1/2	1,943.35	1/2	1,723.42	1/2	1,283.56
3/4		3/4		3/4		3/4		3/4	2,595.32	3/4	2,377.78	3/4	2,158.70	3/4	1,938.77	3/4	1,718.84	3/4	1,278.97
6		6		6		6	2,590.79	6	2,373.24	6	2,154.12	6	1,934.19	6	1,714.26	6	1,494.32	6	1,274.39
1/4		1/4		1/4		1/4		1/4	2,586.27	1/4	2,368.71	1/4	2,149.54	1/4	1,929.60	1/4	1,709.67	1/4	1,269.81
1/2		1/2		1/2		1/2		1/2	2,581.74	1/2	2,364.18	1/2	2,144.95	1/2	1,925.02	1/2	1,705.09	1/2	1,265.23
3/4		3/4		3/4		3/4		3/4	2,577.21	3/4	2,359.65	3/4	2,140.37	3/4	1,920.44	3/4	1,700.51	3/4	1,260.65
7		7		7		7	2,572.68	7	2,355.11	7	2,135.79	7	1,915.86	7	1,695.93	7	1,476.00	7	1,256.07
1/4		1/4		1/4		1/4		1/4	2,568.15	1/4	2,350.58	1/4	2,131.21	1/4	1,911.28	1/4	1,691.35	1/4	1,251.48
1/2		1/2		1/2		1/2		1/2	2,563.62	1/2	2,346.05	1/2	2,126.63	1/2	1,906.69	1/2	1,686.76	1/2	1,246.90
3/4		3/4		3/4		3/4		3/4	2,559.08	3/4	2,341.52	3/4	2,122.04	3/4	1,902.11	3/4	1,682.18	3/4	1,242.32
8		8		8		8	2,554.55	8	2,336.98	8	2,117.46	8	1,897.53	8	1,677.60	8	1,467.67	8	1,237.74
1/4		1/4		1/4		1/4		1/4	2,550.02	1/4	2,332.45	1/4	2,112.88	1/4	1,892.95	1/4	1,673.02	1/4	1,233.16
1/2		1/2		1/2		1/2		1/2	2,545.48	1/2	2,327.92	1/2	2,108.30	1/2	1,888.37	1/2	1,668.44	1/2	1,228.57
3/4		3/4		3/4		3/4		3/4	2,540.95	3/4	2,323.39	3/4	2,103.72	3/4	1,883.79	3/4	1,663.85	3/4	1,223.99
9		9		9		9	2,536.42	9	2,318.85	9	2,099.13	9	1,879.20	9	1,659.27	9	1,439.34	9	1,219.41
1/4		1/4		1/4		1/4		1/4	2,531.89	1/4	2,314.32	1/4	2,094.55	1/4	1,874.62	1/4	1,654.69	1/4	1,214.83
1/2		1/2		1/2		1/2		1/2	2,527.35	1/2	2,309.79	1/2	2,089.97	1/2	1,870.04	1/2	1,650.11	1/2	1,210.25
3/4		3/4		3/4		3/4		3/4	2,522.82	3/4	2,305.23	3/4	2,085.39	3/4	1,865.46	3/4	1,645.53	3/4	1,205.66
10		10		10		10	2,518.29	10	2,300.68	10	2,080.81	10	1,860.88	10	1,640.94	10	1,421.01	10	1,201.08
1/4		1/4		1/4		1/4		1/4	2,513.76	1/4	2,296.13	1/4	2,076.23	1/4	1,856.29	1/4	1,636.36	1/4	1,196.50
1/2		1/2		1/2		1/2		1/2	2,509.22	1/2	2,291.57	1/2	2,071.64	1/2	1,851.71	1/2	1,631.78	1/2	1,191.92
3/4		3/4		3/4		3/4		3/4	2,504.69	3/4	2,286.99	3/4	2,067.06	3/4	1,847.13	3/4	1,627.20	3/4	1,187.34
11		11		11		11	2,500.16	11	2,282.41	11	2,062.48	11	1,842.55	11	1,622.62	11	1,402.69	11	1,182.75
1/4		1/4		1/4		1/4		1/4	2,495.62	1/4	2,277.83	1/4	2,057.90	1/4	1,837.97	1/4	1,618.04	1/4	1,178.17
1/2		1/2		1/2		1/2		1/2	2,491.09	1/2	2,273.25	1/2	2,053.32	1/2	1,833.38	1/2	1,613.45	1/2	1,173.59
3/4		3/4		3/4		3/4		3/4	2,486.56	3/4	2,268.66	3/4	2,048.73	3/4	1,828.80	3/4	1,608.87	3/4	1,169.01

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 AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "BUFFALO 400"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,164.43	0	944.50	0	724.56	0	507.97	0	312.23	0	140.49	0		0		0		0	
1/4	1,159.85	1/4	939.91	1/4	719.98	1/4	503.65	1/4	308.39	1/4	137.15	1/4		1/4		1/4		1/4	
1/2	1,155.26	1/2	935.33	1/2	715.40	1/2	499.33	1/2	304.56	1/2	133.80	1/2		1/2		1/2		1/2	
3/4	1,150.68	3/4	930.75	3/4	710.82	3/4	495.05	3/4	300.78	3/4	130.50	3/4		3/4		3/4		3/4	
1	1,146.10	1	926.17	1	706.24	1	490.76	1	297.01	1	127.20	1		1		1		1	
1/4	1,141.52	1/4	921.59	1/4	701.66	1/4	486.48	1/4	293.23	1/4	123.89	1/4		1/4		1/4		1/4	
1/2	1,136.94	1/2	917.00	1/2	697.07	1/2	482.20	1/2	289.45	1/2	120.59	1/2		1/2		1/2		1/2	
3/4	1,132.35	3/4	912.42	3/4	692.49	3/4	477.96	3/4	285.71	3/4	117.32	3/4		3/4		3/4		3/4	
2	1,127.77	2	907.84	2	687.91	2	473.72	2	281.98	2	114.06	2		2		2		2	
1/4	1,123.19	1/4	903.26	1/4	683.33	1/4	469.48	1/4	278.24	1/4	110.80	1/4		1/4		1/4		1/4	
1/2	1,118.61	1/2	898.68	1/2	678.75	1/2	465.24	1/2	274.51	1/2	107.53	1/2		1/2		1/2		1/2	
3/4	1,114.03	3/4	894.09	3/4	674.16	3/4	461.04	3/4	270.82	3/4	104.31	3/4		3/4		3/4		3/4	
3	1,109.44	3	889.51	3	669.58	3	456.84	3	267.12	3	101.09	3		3		3		3	
1/4	1,104.86	1/4	884.93	1/4	665.00	1/4	452.64	1/4	263.43	1/4	97.87	1/4		1/4		1/4		1/4	
1/2	1,100.28	1/2	880.35	1/2	660.42	1/2	448.44	1/2	259.73	1/2	94.64	1/2		1/2		1/2		1/2	
3/4	1,095.70	3/4	875.77	3/4	655.84	3/4	444.28	3/4	256.08	3/4	91.61	3/4		3/4		3/4		3/4	
4	1,091.12	4	871.19	4	651.25	4	440.12	4	252.43	4	88.57	4		4		4		4	
1/4	1,086.53	1/4	866.60	1/4	646.67	1/4	435.96	1/4	248.77	1/4	85.54	1/4		1/4		1/4		1/4	
1/2	1,081.95	1/2	862.02	1/2	642.09	1/2	431.80	1/2	245.12	1/2	82.51	1/2		1/2		1/2		1/2	
3/4	1,077.37	3/4	857.44	3/4	637.51	3/4	427.68	3/4	241.51	3/4	79.53	3/4		3/4		3/4		3/4	
5	1,072.79	5	852.86	5	632.93	5	423.56	5	237.89	5	76.56	5		5		5		5	
1/4	1,068.21	1/4	848.28	1/4	628.34	1/4	419.44	1/4	234.28	1/4	73.59	1/4		1/4		1/4		1/4	
1/2	1,063.63	1/2	843.69	1/2	623.76	1/2	415.32	1/2	230.67	1/2	70.62	1/2		1/2		1/2		1/2	
3/4	1,059.04	3/4	839.11	3/4	619.20	3/4	411.25	3/4	227.09	3/4	67.70	3/4		3/4		3/4		3/4	
6	1,054.46	6	834.53	6	614.63	6	407.17	6	223.52	6	64.77	6		6		6		6	
1/4	1,049.88	1/4	829.95	1/4	610.07	1/4	403.09	1/4	219.95	1/4	61.85	1/4		1/4		1/4		1/4	
1/2	1,045.30	1/2	825.37	1/2	605.51	1/2	399.01	1/2	216.38	1/2	58.92	1/2		1/2		1/2		1/2	
3/4	1,040.72	3/4	820.78	3/4	600.98	3/4	394.98	3/4	212.85	3/4	56.05	3/4		3/4		3/4		3/4	
7	1,036.13	7	816.20	7	596.45	7	390.94	7	209.32	7	53.17	7		7		7		7	
1/4	1,031.55	1/4	811.62	1/4	591.93	1/4	386.90	1/4	205.78	1/4	50.30	1/4		1/4		1/4		1/4	
1/2	1,026.97	1/2	807.04	1/2	587.40	1/2	382.86	1/2	202.25	1/2	47.42	1/2		1/2		1/2		1/2	
3/4	1,022.39	3/4	802.46	3/4	582.92	3/4	378.87	3/4	198.76	3/4	44.60	3/4		3/4		3/4		3/4	
8	1,017.81	8	797.88	8	578.43	8	374.87	8	195.27	8	41.78	8		8		8		8	
1/4	1,013.22	1/4	793.29	1/4	573.95	1/4	370.87	1/4	191.78	1/4	38.96	1/4		1/4		1/4		1/4	
1/2	1,008.64	1/2	788.71	1/2	569.46	1/2	366.88	1/2	188.29	1/2	36.14	1/2		1/2		1/2		1/2	
3/4	1,004.06	3/4	784.13	3/4	565.02	3/4	362.92	3/4	184.83	3/4	33.38	3/4		3/4		3/4		3/4	
9	999.48	9	779.55	9	560.57	9	358.97	9	181.36	9	30.63	9		9		9		9	
1/4	994.90	1/4	774.97	1/4	556.13	1/4	355.01	1/4	177.90	1/4	27.87	1/4		1/4		1/4		1/4	
1/2	990.31	1/2	770.38	1/2	551.68	1/2	351.05	1/2	174.43	1/2	25.11	1/2		1/2		1/2		1/2	
3/4	985.73	3/4	765.80	3/4	547.28	3/4	347.14	3/4	171.01	3/4	22.71	3/4		3/4		3/4		3/4	
10	981.15	10	761.22	10	542.88	10	343.22	10	167.58	10	20.30	10		10		10		10	
1/4	976.57	1/4	756.64	1/4	538.47	1/4	339.31	1/4	164.15	1/4	17.90	1/4		1/4		1/4		1/4	
1/2	971.99	1/2	752.06	1/2	534.07	1/2	335.39	1/2	160.73	1/2	15.49	1/2		1/2		1/2		1/2	
3/4	967.41	3/4	747.47	3/4	529.71	3/4	331.52	3/4	157.34	3/4	14.17	3/4		3/4		3/4		3/4	
11	962.82	11	742.89	11	525.34	11	327.64	11	153.96	11	12.85	11		11		11		11	
1/4	958.24	1/4	738.31	1/4	520.98	1/4	323.77	1/4	150.57	1/4	11.53	1/4		1/4		1/4		1/4	
1/2	953.66	1/2	733.73	1/2	516.62	1/2	319.90	1/2	147.18	1/2	10.21	1/2		1/2		1/2		1/2	
3/4	949.08	3/4	729.15	3/4	512.29	3/4	316.06	3/4	143.84	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
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BARGE "BUFFALO 400"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	11.11	0	219.39	0	434.37	0	652.85	0	874.03	0	1,095.22	0	1,316.40	0	1,536.55	0	1,757.73	0	1,978.91
1/4	14.14	1/4	224.00	1/4	438.80	1/4	657.46	1/4	878.64	1/4	1,099.83	1/4	1,321.00	1/4	1,541.15	1/4	1,762.34	1/4	1,983.52
1/2	17.16	1/2	228.61	1/2	443.23	1/2	662.07	1/2	883.25	1/2	1,104.43	1/2	1,325.60	1/2	1,545.76	1/2	1,766.95	1/2	1,988.13
3/4	20.18	3/4	233.22	3/4	447.67	3/4	666.67	3/4	887.86	3/4	1,109.04	3/4	1,330.20	3/4	1,550.37	3/4	1,771.55	3/4	1,992.74
1	23.21	1	237.82	1	452.10	1	671.28	1	892.47	1	1,113.65	1	1,334.80	1	1,554.98	1	1,776.16	1	1,997.35
1/4	27.28	1/4	242.43	1/4	456.53	1/4	675.89	1/4	897.07	1/4	1,118.26	1/4	1,339.34	1/4	1,559.59	1/4	1,780.77	1/4	2,001.95
1/2	31.35	1/2	247.04	1/2	460.97	1/2	680.50	1/2	901.68	1/2	1,122.87	1/2	1,343.89	1/2	1,564.19	1/2	1,785.38	1/2	2,006.56
3/4	35.43	3/4	251.65	3/4	465.40	3/4	685.11	3/4	906.29	3/4	1,127.47	3/4	1,348.43	3/4	1,568.80	3/4	1,789.99	3/4	2,011.17
2	39.50	2	256.25	2	469.84	2	689.71	2	910.90	2	1,132.08	2	1,352.97	2	1,573.41	2	1,794.59	2	2,015.78
1/4	43.88	1/4	260.86	1/4	474.27	1/4	694.32	1/4	915.51	1/4	1,136.69	1/4	1,357.52	1/4	1,578.02	1/4	1,799.20	1/4	2,020.39
1/2	48.27	1/2	265.47	1/2	478.70	1/2	698.93	1/2	920.11	1/2	1,141.30	1/2	1,362.06	1/2	1,582.63	1/2	1,803.81	1/2	2,024.99
3/4	52.65	3/4	270.07	3/4	483.14	3/4	703.54	3/4	924.72	3/4	1,145.91	3/4	1,366.60	3/4	1,587.23	3/4	1,808.42	3/4	2,029.60
3	57.04	3	274.68	3	487.57	3	708.15	3	929.33	3	1,150.51	3	1,371.15	3	1,591.84	3	1,813.03	3	2,034.21
1/4	61.44	1/4	279.25	1/4	492.03	1/4	712.75	1/4	933.94	1/4	1,155.12	1/4	1,375.69	1/4	1,596.45	1/4	1,817.63	1/4	2,038.82
1/2	65.85	1/2	283.82	1/2	496.48	1/2	717.36	1/2	938.55	1/2	1,159.73	1/2	1,380.23	1/2	1,601.06	1/2	1,822.24	1/2	2,043.43
3/4	70.26	3/4	288.38	3/4	500.94	3/4	721.97	3/4	943.15	3/4	1,164.34	3/4	1,384.77	3/4	1,605.67	3/4	1,826.85	3/4	2,048.03
4	74.67	4	292.95	4	505.39	4	726.58	4	947.76	4	1,168.95	4	1,389.32	4	1,610.27	4	1,831.46	4	2,052.64
1/4	79.09	1/4	297.37	1/4	510.00	1/4	731.19	1/4	952.37	1/4	1,173.55	1/4	1,393.87	1/4	1,614.88	1/4	1,836.07	1/4	2,057.25
1/2	83.51	1/2	301.79	1/2	514.61	1/2	735.79	1/2	956.98	1/2	1,178.16	1/2	1,398.42	1/2	1,619.49	1/2	1,840.67	1/2	2,061.86
3/4	87.94	3/4	306.20	3/4	519.22	3/4	740.40	3/4	961.59	3/4	1,182.77	3/4	1,402.97	3/4	1,624.10	3/4	1,845.28	3/4	2,066.47
5	92.36	5	310.62	5	523.83	5	745.01	5	966.19	5	1,187.38	5	1,407.52	5	1,628.71	5	1,849.89	5	2,071.07
1/4	96.79	1/4	315.04	1/4	528.43	1/4	749.62	1/4	970.80	1/4	1,191.99	1/4	1,412.13	1/4	1,633.31	1/4	1,854.50	1/4	2,075.68
1/2	101.22	1/2	319.45	1/2	533.04	1/2	754.23	1/2	975.41	1/2	1,196.59	1/2	1,416.74	1/2	1,637.92	1/2	1,859.11	1/2	2,080.29
3/4	105.65	3/4	323.87	3/4	537.65	3/4	758.83	3/4	980.02	3/4	1,201.20	3/4	1,421.35	3/4	1,642.53	3/4	1,863.71	3/4	2,084.90
6	110.08	6	328.29	6	542.26	6	763.44	6	984.63	6	1,205.81	6	1,425.95	6	1,647.14	6	1,868.32	6	2,089.51
1/4	114.52	1/4	332.70	1/4	546.87	1/4	768.05	1/4	989.23	1/4	1,210.42	1/4	1,430.56	1/4	1,651.75	1/4	1,872.93	1/4	2,094.11
1/2	118.96	1/2	337.12	1/2	551.47	1/2	772.66	1/2	993.84	1/2	1,215.03	1/2	1,435.17	1/2	1,656.35	1/2	1,877.54	1/2	2,098.72
3/4	123.39	3/4	341.54	3/4	556.08	3/4	777.27	3/4	998.45	3/4	1,219.63	3/4	1,439.78	3/4	1,660.96	3/4	1,882.15	3/4	2,103.33
7	127.83	7	345.95	7	560.69	7	781.87	7	1,003.06	7	1,224.24	7	1,444.39	7	1,665.57	7	1,886.75	7	2,107.94
1/4	132.29	1/4	350.37	1/4	565.30	1/4	786.48	1/4	1,007.67	1/4	1,228.85	1/4	1,448.99	1/4	1,670.18	1/4	1,891.36	1/4	2,112.55
1/2	136.75	1/2	354.79	1/2	569.91	1/2	791.09	1/2	1,012.27	1/2	1,233.46	1/2	1,453.60	1/2	1,674.79	1/2	1,895.97	1/2	2,117.15
3/4	141.21	3/4	359.20	3/4	574.51	3/4	795.70	3/4	1,016.88	3/4	1,238.07	3/4	1,458.21	3/4	1,679.39	3/4	1,900.58	3/4	2,121.76
8	145.67	8	363.62	8	579.12	8	800.31	8	1,021.49	8	1,242.67	8	1,462.82	8	1,684.00	8	1,905.19	8	2,126.37
1/4	150.27	1/4	368.04	1/4	583.73	1/4	804.91	1/4	1,026.10	1/4	1,247.28	1/4	1,467.43	1/4	1,688.61	1/4	1,909.79	1/4	2,130.98
1/2	154.88	1/2	372.45	1/2	588.34	1/2	809.52	1/2	1,030.71	1/2	1,251.89	1/2	1,472.03	1/2	1,693.22	1/2	1,914.40	1/2	2,135.59
3/4	159.49	3/4	376.87	3/4	592.95	3/4	814.13	3/4	1,035.31	3/4	1,256.50	3/4	1,476.64	3/4	1,697.83	3/4	1,919.01	3/4	2,140.19
9	164.10	9	381.29	9	597.55	9	818.74	9	1,039.92	9	1,261.11	9	1,481.25	9	1,702.43	9	1,923.62	9	2,144.80
1/4	168.71	1/4	385.70	1/4	602.16	1/4	823.35	1/4	1,044.53	1/4	1,265.71	1/4	1,485.86	1/4	1,707.04	1/4	1,928.23	1/4	2,149.41
1/2	173.31	1/2	390.12	1/2	606.77	1/2	827.95	1/2	1,049.14	1/2	1,270.32	1/2	1,490.47	1/2	1,711.65	1/2	1,932.83	1/2	2,154.02
3/4	177.92	3/4	394.54	3/4	611.38	3/4	832.56	3/4	1,053.75	3/4	1,274.93	3/4	1,495.07	3/4	1,716.26	3/4	1,937.44	3/4	2,158.63
10	182.53	10	398.95	10	615.99	10	837.17	10	1,058.35	10	1,279.54	10	1,499.68	10	1,720.87	10	1,942.05	10	2,163.23
1/4	187.14	1/4	403.37	1/4	620.59	1/4	841.78	1/4	1,062.96	1/4	1,284.15	1/4	1,504.29	1/4	1,725.47	1/4	1,946.66	1/4	2,167.84
1/2	191.74	1/2	407.79	1/2	625.20	1/2	846.39	1/2	1,067.57	1/2	1,288.75	1/2	1,508.90	1/2	1,730.08	1/2	1,951.27	1/2	2,172.45
3/4	196.35	3/4	412.21	3/4	629.81	3/4	850.99	3/4	1,072.18	3/4	1,293.36	3/4	1,513.51	3/4	1,734.69	3/4	1,955.87	3/4	2,177.06
11	200.96	11	416.63	11	634.42	11	855.60	11	1,076.79	11	1,297.97	11	1,518.11	11	1,739.30	11	1,960.48	11	2,181.67
1/4	205.57	1/4	421.06	1/4	639.03	1/4	860.21	1/4	1,081.39	1/4	1,302.58	1/4	1,522.72	1/4	1,743.91	1/4	1,965.09	1/4	2,186.27
1/2	210.18	1/2	425.50	1/2	643.63	1/2	864.82	1/2	1,086.00	1/2	1,307.19	1/2	1,527.33	1/2	1,748.51	1/2	1,969.70	1/2	2,190.88
3/4	214.78	3/4	429.93	3/4	648.24	3/4	869.43	3/4	1,090.61	3/4	1,311.79	3/4	1,531.94	3/4	1,753.12	3/4	1,974.31	3/4	2,195.49

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 INNAGE GAUGES TAKEN AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "BUFFALO 400"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,200.10	0	2,421.28	0	2,640.37	0		0		0		0		0		0		0	
1/4	2,204.71	1/4	2,425.89	1/4	2,644.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,209.31	1/2	2,430.49	1/2	2,649.49	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,213.92	3/4	2,435.10	3/4	2,654.05	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,218.53	1	2,439.70	1	2,658.61	1		1		1		1		1		1		1	
1/4	2,223.14	1/4	2,444.28	1/4	2,663.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,227.75	1/2	2,448.86	1/2	2,667.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,232.35	3/4	2,453.44	3/4	2,672.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,236.96	2	2,458.02	2	2,676.84	2		2		2		2		2		2		2	
1/4	2,241.57	1/4	2,462.58	1/4	2,681.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,246.18	1/2	2,467.14	1/2	2,685.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,250.79	3/4	2,471.70	3/4	2,690.52	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,255.39	3	2,476.26	3	2,695.08	3		3		3		3		3		3		3	
1/4	2,260.00	1/4	2,480.82	1/4	2,699.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,264.61	1/2	2,485.37	1/2	2,704.19	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,269.22	3/4	2,489.93	3/4	2,708.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,273.83	4	2,494.49	4	2,713.31	4		4		4		4		4		4		4	
1/4	2,278.43	1/4	2,499.05	1/4	2,717.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,283.04	1/2	2,503.61	1/2	2,722.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,287.65	3/4	2,508.17	3/4	2,726.98	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,292.26	5	2,512.73	5	2,731.53	5		5		5		5		5		5		5	
1/4	2,296.87	1/4	2,517.29	1/4	2,736.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,301.47	1/2	2,521.84	1/2	2,740.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,306.08	3/4	2,526.40	3/4	2,745.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,310.69	6	2,530.96	6	2,749.75	6		6		6		6		6		6		6	
1/4	2,315.30	1/4	2,535.52	1/4	2,754.29	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,319.91	1/2	2,540.08	1/2	2,758.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,324.51	3/4	2,544.64	3/4	2,763.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,329.12	7	2,549.20	7	2,767.92	7		7		7		7		7		7		7	
1/4	2,333.73	1/4	2,553.76	1/4	2,772.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,338.34	1/2	2,558.31	1/2	2,776.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,342.95	3/4	2,562.87	3/4	2,781.51	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,347.55	8	2,567.43	8	2,786.04	8		8		8		8		8		8		8	
1/4	2,352.16	1/4	2,571.99	1/4	2,790.50	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,356.77	1/2	2,576.55	1/2	2,794.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,361.38	3/4	2,581.11	3/4	2,799.41	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,365.99	9	2,585.67	9	2,803.87	9		9		9		9		9		9		9	
1/4	2,370.59	1/4	2,590.22	1/4	2,808.06	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,375.20	1/2	2,594.78	1/2	2,812.25	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,379.81	3/4	2,599.34	3/4	2,816.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,384.42	10	2,603.90	10	2,820.62	10		10		10		10		10		10		10	
1/4	2,389.03	1/4	2,608.46	1/4	2,823.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,393.63	1/2	2,613.02	1/2	2,827.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,398.24	3/4	2,617.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,402.85	11	2,622.14	11		11		11		11		11		11		11		11	
1/4	2,407.46	1/4	2,626.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,412.07	1/2	2,631.25	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,416.67	3/4	2,635.81	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: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
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BARGE "BUFFALO 400"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	2,631.25	0	2,412.06	0	2,190.88	0	1,969.69	0	1,748.51	0	1,527.33
1/4		1/4		1/4		1/4		1/4	2,626.69	1/4	2,407.45	1/4	2,186.27	1/4	1,965.09	1/4	1,743.90	1/4	1,522.72
1/2		1/2		1/2		1/2		1/2	2,622.13	1/2	2,402.85	1/2	2,181.66	1/2	1,960.48	1/2	1,739.29	1/2	1,518.11
3/4		3/4		3/4		3/4		3/4	2,617.57	3/4	2,398.24	3/4	2,177.05	3/4	1,955.87	3/4	1,734.69	3/4	1,513.50
1		1		1		1	2,827.00	1	2,613.01	1	2,393.63	1	2,172.45	1	1,951.26	1	1,730.08	1	1,508.89
1/4		1/4		1/4		1/4	2,823.81	1/4	2,608.46	1/4	2,389.02	1/4	2,167.84	1/4	1,946.65	1/4	1,725.47	1/4	1,504.29
1/2		1/2		1/2		1/2	2,820.62	1/2	2,603.90	1/2	2,384.41	1/2	2,163.23	1/2	1,942.05	1/2	1,720.86	1/2	1,499.68
3/4		3/4		3/4		3/4	2,816.43	3/4	2,599.34	3/4	2,379.81	3/4	2,158.62	3/4	1,937.44	3/4	1,716.25	3/4	1,495.07
2		2		2		2	2,812.24	2	2,594.78	2	2,375.20	2	2,154.01	2	1,932.83	2	1,711.65	2	1,490.46
1/4		1/4		1/4		1/4	2,808.06	1/4	2,590.22	1/4	2,370.59	1/4	2,149.41	1/4	1,928.22	1/4	1,707.04	1/4	1,485.85
1/2		1/2		1/2		1/2	2,803.87	1/2	2,585.66	1/2	2,365.98	1/2	2,144.80	1/2	1,923.61	1/2	1,702.43	1/2	1,481.25
3/4		3/4		3/4		3/4	2,799.41	3/4	2,581.10	3/4	2,361.37	3/4	2,140.19	3/4	1,919.01	3/4	1,697.82	3/4	1,476.64
3		3		3		3	2,794.95	3	2,576.54	3	2,356.77	3	2,135.58	3	1,914.40	3	1,693.21	3	1,472.03
1/4		1/4		1/4		1/4	2,790.49	1/4	2,571.99	1/4	2,352.16	1/4	2,130.97	1/4	1,909.79	1/4	1,688.61	1/4	1,467.42
1/2		1/2		1/2		1/2	2,786.03	1/2	2,567.43	1/2	2,347.55	1/2	2,126.37	1/2	1,905.18	1/2	1,684.00	1/2	1,462.81
3/4		3/4		3/4		3/4	2,781.50	3/4	2,562.87	3/4	2,342.94	3/4	2,121.76	3/4	1,900.57	3/4	1,679.39	3/4	1,458.21
4		4		4		4	2,776.98	4	2,558.31	4	2,338.33	4	2,117.15	4	1,895.97	4	1,674.78	4	1,453.60
1/4		1/4		1/4		1/4	2,772.45	1/4	2,553.75	1/4	2,333.73	1/4	2,112.54	1/4	1,891.36	1/4	1,670.17	1/4	1,448.99
1/2		1/2		1/2		1/2	2,767.92	1/2	2,549.19	1/2	2,329.12	1/2	2,107.93	1/2	1,886.75	1/2	1,665.57	1/2	1,444.38
3/4		3/4		3/4		3/4	2,763.38	3/4	2,544.63	3/4	2,324.51	3/4	2,103.33	3/4	1,882.14	3/4	1,660.96	3/4	1,439.77
5		5		5		5	2,758.83	5	2,540.08	5	2,319.90	5	2,098.72	5	1,877.53	5	1,656.35	5	1,435.17
1/4		1/4		1/4		1/4	2,754.29	1/4	2,535.52	1/4	2,315.29	1/4	2,094.11	1/4	1,872.93	1/4	1,651.74	1/4	1,430.56
1/2		1/2		1/2		1/2	2,749.74	1/2	2,530.96	1/2	2,310.69	1/2	2,089.50	1/2	1,868.32	1/2	1,647.13	1/2	1,425.95
3/4		3/4		3/4		3/4	2,745.19	3/4	2,526.40	3/4	2,306.08	3/4	2,084.89	3/4	1,863.71	3/4	1,642.53	3/4	1,421.34
6		6		6		6	2,740.64	6	2,521.84	6	2,301.47	6	2,080.29	6	1,859.10	6	1,637.92	6	1,416.73
1/4		1/4		1/4		1/4	2,736.08	1/4	2,517.28	1/4	2,296.86	1/4	2,075.68	1/4	1,854.49	1/4	1,633.31	1/4	1,412.13
1/2		1/2		1/2		1/2	2,731.53	1/2	2,512.72	1/2	2,292.25	1/2	2,071.07	1/2	1,849.89	1/2	1,628.70	1/2	1,407.52
3/4		3/4		3/4		3/4	2,726.97	3/4	2,508.16	3/4	2,287.65	3/4	2,066.46	3/4	1,845.28	3/4	1,624.09	3/4	1,402.97
7		7		7		7	2,722.42	7	2,503.61	7	2,283.04	7	2,061.85	7	1,840.67	7	1,619.49	7	1,398.42
1/4		1/4		1/4		1/4	2,717.86	1/4	2,499.05	1/4	2,278.43	1/4	2,057.25	1/4	1,836.06	1/4	1,614.88	1/4	1,393.86
1/2		1/2		1/2		1/2	2,713.31	1/2	2,494.49	1/2	2,273.82	1/2	2,052.64	1/2	1,831.45	1/2	1,610.27	1/2	1,389.31
3/4		3/4		3/4		3/4	2,708.75	3/4	2,489.93	3/4	2,269.21	3/4	2,048.03	3/4	1,826.85	3/4	1,605.66	3/4	1,384.77
8		8		8		8	2,704.19	8	2,485.37	8	2,264.61	8	2,043.42	8	1,822.24	8	1,601.05	8	1,380.23
1/4		1/4		1/4		1/4	2,699.63	1/4	2,480.81	1/4	2,260.00	1/4	2,038.81	1/4	1,817.63	1/4	1,596.45	1/4	1,375.68
1/2		1/2		1/2		1/2	2,695.07	1/2	2,476.25	1/2	2,255.39	1/2	2,034.21	1/2	1,813.02	1/2	1,591.84	1/2	1,371.14
3/4		3/4		3/4		3/4	2,690.51	3/4	2,471.69	3/4	2,250.78	3/4	2,029.60	3/4	1,808.41	3/4	1,587.23	3/4	1,366.60
9		9		9		9	2,685.95	9	2,467.14	9	2,246.17	9	2,024.99	9	1,803.81	9	1,582.62	9	1,362.06
1/4		1/4		1/4		1/4	2,681.39	1/4	2,462.58	1/4	2,241.57	1/4	2,020.38	1/4	1,799.20	1/4	1,578.01	1/4	1,357.51
1/2		1/2		1/2		1/2	2,676.84	1/2	2,458.02	1/2	2,236.96	1/2	2,015.77	1/2	1,794.59	1/2	1,573.41	1/2	1,352.97
3/4		3/4		3/4		3/4	2,672.28	3/4	2,453.44	3/4	2,232.35	3/4	2,011.17	3/4	1,789.98	3/4	1,568.80	3/4	1,348.43
10		10		10		10	2,667.72	10	2,448.86	10	2,227.74	10	2,006.56	10	1,785.37	10	1,564.19	10	1,343.88
1/4		1/4		1/4		1/4	2,663.16	1/4	2,444.28	1/4	2,223.13	1/4	2,001.95	1/4	1,780.77	1/4	1,559.58	1/4	1,339.34
1/2		1/2		1/2		1/2	2,658.60	1/2	2,439.70	1/2	2,218.53	1/2	1,997.34	1/2	1,776.16	1/2	1,554.97	1/2	1,334.80
3/4		3/4		3/4		3/4	2,654.04	3/4	2,435.09	3/4	2,213.92	3/4	1,992.73	3/4	1,771.55	3/4	1,550.37	3/4	1,330.20
11		11		11		11	2,649.48	11	2,430.49	11	2,209.31	11	1,988.13	11	1,766.94	11	1,545.76	11	1,325.60
1/4		1/4		1/4		1/4	2,644.93	1/4	2,425.88	1/4	2,204.70	1/4	1,983.52	1/4	1,762.33	1/4	1,541.15	1/4	1,321.00
1/2		1/2		1/2		1/2	2,640.37	1/2	2,421.28	1/2	2,200.09	1/2	1,978.91	1/2	1,757.73	1/2	1,536.54	1/2	1,316.40
3/4		3/4		3/4		3/4	2,635.81	3/4	2,416.67	3/4	2,195.49	3/4	1,974.30	3/4	1,753.12	3/4	1,531.93	3/4	1,311.79

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 AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "BUFFALO 400"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,307.18	0	1,086.00	0	864.81	0	643.63	0	425.49	0	210.17	0		0		0		0	
1/4	1,302.57	1/4	1,081.39	1/4	860.21	1/4	639.02	1/4	421.06	1/4	205.56	1/4		1/4		1/4		1/4	
1/2	1,297.97	1/2	1,076.78	1/2	855.60	1/2	634.41	1/2	416.63	1/2	200.96	1/2		1/2		1/2		1/2	
3/4	1,293.36	3/4	1,072.17	3/4	850.99	3/4	629.81	3/4	412.21	3/4	196.35	3/4		3/4		3/4		3/4	
1	1,288.75	1	1,067.57	1	846.38	1	625.20	1	407.79	1	191.74	1		1		1		1	
1/4	1,284.14	1/4	1,062.96	1/4	841.77	1/4	620.59	1/4	403.37	1/4	187.13	1/4		1/4		1/4		1/4	
1/2	1,279.53	1/2	1,058.35	1/2	837.17	1/2	615.98	1/2	398.95	1/2	182.53	1/2		1/2		1/2		1/2	
3/4	1,274.93	3/4	1,053.74	3/4	832.56	3/4	611.37	3/4	394.53	3/4	177.92	3/4		3/4		3/4		3/4	
2	1,270.32	2	1,049.13	2	827.95	2	606.77	2	390.12	2	173.31	2		2		2		2	
1/4	1,265.71	1/4	1,044.53	1/4	823.34	1/4	602.16	1/4	385.70	1/4	168.70	1/4		1/4		1/4		1/4	
1/2	1,261.10	1/2	1,039.92	1/2	818.73	1/2	597.55	1/2	381.28	1/2	164.09	1/2		1/2		1/2		1/2	
3/4	1,256.49	3/4	1,035.31	3/4	814.13	3/4	592.94	3/4	376.87	3/4	159.49	3/4		3/4		3/4		3/4	
3	1,251.89	3	1,030.70	3	809.52	3	588.33	3	372.45	3	154.88	3		3		3		3	
1/4	1,247.28	1/4	1,026.09	1/4	804.91	1/4	583.73	1/4	368.03	1/4	150.27	1/4		1/4		1/4		1/4	
1/2	1,242.67	1/2	1,021.49	1/2	800.30	1/2	579.12	1/2	363.62	1/2	145.66	1/2		1/2		1/2		1/2	
3/4	1,238.06	3/4	1,016.88	3/4	795.69	3/4	574.51	3/4	359.20	3/4	141.20	3/4		3/4		3/4		3/4	
4	1,233.45	4	1,012.27	4	791.09	4	569.90	4	354.78	4	136.74	4		4		4		4	
1/4	1,228.85	1/4	1,007.66	1/4	786.48	1/4	565.29	1/4	350.37	1/4	132.28	1/4		1/4		1/4		1/4	
1/2	1,224.24	1/2	1,003.05	1/2	781.87	1/2	560.69	1/2	345.95	1/2	127.82	1/2		1/2		1/2		1/2	
3/4	1,219.63	3/4	998.45	3/4	777.26	3/4	556.08	3/4	341.53	3/4	123.39	3/4		3/4		3/4		3/4	
5	1,215.02	5	993.84	5	772.65	5	551.47	5	337.12	5	118.95	5		5		5		5	
1/4	1,210.41	1/4	989.23	1/4	768.05	1/4	546.86	1/4	332.70	1/4	114.51	1/4		1/4		1/4		1/4	
1/2	1,205.81	1/2	984.62	1/2	763.44	1/2	542.25	1/2	328.28	1/2	110.08	1/2		1/2		1/2		1/2	
3/4	1,201.20	3/4	980.01	3/4	758.83	3/4	537.65	3/4	323.87	3/4	105.65	3/4		3/4		3/4		3/4	
6	1,196.59	6	975.41	6	754.22	6	533.04	6	319.45	6	101.22	6		6		6		6	
1/4	1,191.98	1/4	970.80	1/4	749.61	1/4	528.43	1/4	315.03	1/4	96.79	1/4		1/4		1/4		1/4	
1/2	1,187.37	1/2	966.19	1/2	745.01	1/2	523.82	1/2	310.62	1/2	92.35	1/2		1/2		1/2		1/2	
3/4	1,182.77	3/4	961.58	3/4	740.40	3/4	519.21	3/4	306.20	3/4	87.93	3/4		3/4		3/4		3/4	
7	1,178.16	7	956.97	7	735.79	7	514.61	7	301.78	7	83.51	7		7		7		7	
1/4	1,173.55	1/4	952.37	1/4	731.18	1/4	510.00	1/4	297.37	1/4	79.09	1/4		1/4		1/4		1/4	
1/2	1,168.94	1/2	947.76	1/2	726.57	1/2	505.39	1/2	292.95	1/2	74.67	1/2		1/2		1/2		1/2	
3/4	1,164.33	3/4	943.15	3/4	721.97	3/4	500.93	3/4	288.38	3/4	70.26	3/4		3/4		3/4		3/4	
8	1,159.73	8	938.54	8	717.36	8	496.48	8	283.81	8	65.85	8		8		8		8	
1/4	1,155.12	1/4	933.93	1/4	712.75	1/4	492.02	1/4	279.24	1/4	61.44	1/4		1/4		1/4		1/4	
1/2	1,150.51	1/2	929.33	1/2	708.14	1/2	487.57	1/2	274.67	1/2	57.03	1/2		1/2		1/2		1/2	
3/4	1,145.90	3/4	924.72	3/4	703.53	3/4	483.13	3/4	270.07	3/4	52.65	3/4		3/4		3/4		3/4	
9	1,141.29	9	920.11	9	698.93	9	478.70	9	265.46	9	48.26	9		9		9		9	
1/4	1,136.69	1/4	915.50	1/4	694.32	1/4	474.27	1/4	260.86	1/4	43.88	1/4		1/4		1/4		1/4	
1/2	1,132.08	1/2	910.89	1/2	689.71	1/2	469.83	1/2	256.25	1/2	39.49	1/2		1/2		1/2		1/2	
3/4	1,127.47	3/4	906.29	3/4	685.10	3/4	465.40	3/4	251.64	3/4	35.42	3/4		3/4		3/4		3/4	
10	1,122.86	10	901.68	10	680.49	10	460.96	10	247.04	10	31.35	10		10		10		10	
1/4	1,118.25	1/4	897.07	1/4	675.89	1/4	456.53	1/4	242.43	1/4	27.28	1/4		1/4		1/4		1/4	
1/2	1,113.65	1/2	892.46	1/2	671.28	1/2	452.10	1/2	237.82	1/2	23.20	1/2		1/2		1/2		1/2	
3/4	1,109.04	3/4	887.85	3/4	666.67	3/4	447.66	3/4	233.21	3/4	20.18	3/4		3/4		3/4		3/4	
11	1,104.43	11	883.25	11	662.06	11	443.23	11	228.60	11	17.16	11		11		11		11	
1/4	1,099.82	1/4	878.64	1/4	657.45	1/4	438.79	1/4	224.00	1/4	14.13	1/4		1/4		1/4		1/4	
1/2	1,095.21	1/2	874.03	1/2	652.85	1/2	434.36	1/2	219.39	1/2	11.11	1/2		1/2		1/2		1/2	
3/4	1,090.61	3/4	869.42	3/4	648.24	3/4	429.93	3/4	214.78	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
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BARGE "BUFFALO 400"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

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	11.06	0	218.27	0	437.79	0	657.87	0	877.94	0	1,098.02	0	1,318.09	0	1,538.17	0	1,758.24	0	1,978.32
1/4	14.07	1/4	222.86	1/4	442.38	1/4	662.45	1/4	882.53	1/4	1,102.60	1/4	1,322.68	1/4	1,542.75	1/4	1,762.83	1/4	1,982.90
1/2	17.08	1/2	227.44	1/2	446.96	1/2	667.04	1/2	887.11	1/2	1,107.19	1/2	1,327.26	1/2	1,547.34	1/2	1,767.41	1/2	1,987.49
3/4	20.08	3/4	232.03	3/4	451.55	3/4	671.62	3/4	891.70	3/4	1,111.77	3/4	1,331.85	3/4	1,551.92	3/4	1,772.00	3/4	1,992.07
1	23.09	1	236.61	1	456.13	1	676.21	1	896.28	1	1,116.36	1	1,336.43	1	1,556.51	1	1,776.58	1	1,996.66
1/4	27.15	1/4	241.20	1/4	460.72	1/4	680.79	1/4	900.87	1/4	1,120.94	1/4	1,341.02	1/4	1,561.09	1/4	1,781.17	1/4	2,001.24
1/2	31.20	1/2	245.78	1/2	465.30	1/2	685.38	1/2	905.45	1/2	1,125.53	1/2	1,345.60	1/2	1,565.68	1/2	1,785.75	1/2	2,005.83
3/4	35.25	3/4	250.36	3/4	469.89	3/4	689.96	3/4	910.04	3/4	1,130.11	3/4	1,350.19	3/4	1,570.26	3/4	1,790.34	3/4	2,010.41
2	39.30	2	254.95	2	474.47	2	694.55	2	914.62	2	1,134.70	2	1,354.77	2	1,574.85	2	1,794.92	2	2,015.00
1/4	43.66	1/4	259.53	1/4	479.06	1/4	699.13	1/4	919.21	1/4	1,139.28	1/4	1,359.36	1/4	1,579.43	1/4	1,799.51	1/4	2,019.58
1/2	48.02	1/2	264.11	1/2	483.64	1/2	703.72	1/2	923.79	1/2	1,143.87	1/2	1,363.94	1/2	1,584.02	1/2	1,804.09	1/2	2,024.17
3/4	52.39	3/4	268.70	3/4	488.23	3/4	708.30	3/4	928.38	3/4	1,148.45	3/4	1,368.53	3/4	1,588.60	3/4	1,808.68	3/4	2,028.75
3	56.75	3	273.28	3	492.81	3	712.89	3	932.96	3	1,153.04	3	1,373.11	3	1,593.19	3	1,813.26	3	2,033.34
1/4	61.13	1/4	277.85	1/4	497.40	1/4	717.47	1/4	937.55	1/4	1,157.62	1/4	1,377.70	1/4	1,597.77	1/4	1,817.85	1/4	2,037.92
1/2	65.52	1/2	282.41	1/2	501.98	1/2	722.06	1/2	942.13	1/2	1,162.21	1/2	1,382.28	1/2	1,602.36	1/2	1,822.43	1/2	2,042.51
3/4	69.90	3/4	286.98	3/4	506.57	3/4	726.64	3/4	946.72	3/4	1,166.79	3/4	1,386.87	3/4	1,606.94	3/4	1,827.02	3/4	2,047.09
4	74.29	4	291.55	4	511.15	4	731.23	4	951.30	4	1,171.38	4	1,391.45	4	1,611.53	4	1,831.60	4	2,051.68
1/4	78.69	1/4	296.12	1/4	515.74	1/4	735.81	1/4	955.89	1/4	1,175.96	1/4	1,395.04	1/4	1,616.11	1/4	1,836.19	1/4	2,056.26
1/2	83.09	1/2	300.69	1/2	520.32	1/2	740.40	1/2	960.47	1/2	1,180.55	1/2	1,400.62	1/2	1,620.70	1/2	1,840.77	1/2	2,060.85
3/4	87.49	3/4	305.25	3/4	524.91	3/4	744.98	3/4	965.06	3/4	1,185.13	3/4	1,405.21	3/4	1,625.28	3/4	1,845.36	3/4	2,065.43
5	91.89	5	309.82	5	529.49	5	749.57	5	969.64	5	1,189.72	5	1,409.79	5	1,629.87	5	1,849.94	5	2,070.02
1/4	96.29	1/4	314.39	1/4	534.08	1/4	754.15	1/4	974.23	1/4	1,194.30	1/4	1,414.38	1/4	1,634.45	1/4	1,854.53	1/4	2,074.60
1/2	100.70	1/2	318.96	1/2	538.66	1/2	758.74	1/2	978.81	1/2	1,198.89	1/2	1,418.96	1/2	1,639.04	1/2	1,859.11	1/2	2,079.19
3/4	105.11	3/4	323.52	3/4	543.25	3/4	763.32	3/4	983.40	3/4	1,203.47	3/4	1,423.55	3/4	1,643.62	3/4	1,863.70	3/4	2,083.77
6	109.52	6	328.09	6	547.83	6	767.91	6	987.98	6	1,208.06	6	1,428.13	6	1,648.21	6	1,868.28	6	2,088.36
1/4	113.93	1/4	332.66	1/4	552.42	1/4	772.49	1/4	992.57	1/4	1,212.64	1/4	1,432.72	1/4	1,652.79	1/4	1,872.87	1/4	2,092.94
1/2	118.34	1/2	337.23	1/2	557.00	1/2	777.08	1/2	997.15	1/2	1,217.23	1/2	1,437.30	1/2	1,657.38	1/2	1,877.45	1/2	2,097.53
3/4	122.76	3/4	341.79	3/4	561.59	3/4	781.66	3/4	1,001.74	3/4	1,221.81	3/4	1,441.89	3/4	1,661.96	3/4	1,882.04	3/4	2,102.11
7	127.17	7	346.36	7	566.17	7	786.25	7	1,006.32	7	1,226.40	7	1,446.47	7	1,666.55	7	1,886.62	7	2,106.70
1/4	131.61	1/4	350.93	1/4	570.75	1/4	790.83	1/4	1,010.91	1/4	1,230.98	1/4	1,451.06	1/4	1,671.13	1/4	1,891.21	1/4	2,111.28
1/2	136.04	1/2	355.50	1/2	575.34	1/2	795.41	1/2	1,015.49	1/2	1,235.57	1/2	1,455.64	1/2	1,675.72	1/2	1,895.79	1/2	2,115.87
3/4	140.48	3/4	360.07	3/4	579.92	3/4	800.00	3/4	1,020.08	3/4	1,240.15	3/4	1,460.23	3/4	1,680.30	3/4	1,900.38	3/4	2,120.45
8	144.92	8	364.63	8	584.51	8	804.58	8	1,024.66	8	1,244.74	8	1,464.81	8	1,684.89	8	1,904.96	8	2,125.04
1/4	149.50	1/4	369.20	1/4	589.09	1/4	809.17	1/4	1,029.24	1/4	1,249.32	1/4	1,469.40	1/4	1,689.47	1/4	1,909.55	1/4	2,129.62
1/2	154.09	1/2	373.77	1/2	593.68	1/2	813.75	1/2	1,033.83	1/2	1,253.91	1/2	1,473.98	1/2	1,694.06	1/2	1,914.13	1/2	2,134.21
3/4	158.67	3/4	378.34	3/4	598.26	3/4	818.34	3/4	1,038.41	3/4	1,258.49	3/4	1,478.57	3/4	1,698.64	3/4	1,918.72	3/4	2,138.79
9	163.25	9	382.90	9	602.85	9	822.92	9	1,043.00	9	1,263.07	9	1,483.15	9	1,703.23	9	1,923.30	9	2,143.38
1/4	167.84	1/4	387.47	1/4	607.43	1/4	827.51	1/4	1,047.58	1/4	1,267.66	1/4	1,487.73	1/4	1,707.81	1/4	1,927.89	1/4	2,147.96
1/2	172.42	1/2	392.04	1/2	612.02	1/2	832.09	1/2	1,052.17	1/2	1,272.24	1/2	1,492.32	1/2	1,712.40	1/2	1,932.47	1/2	2,152.55
3/4	177.01	3/4	396.61	3/4	616.60	3/4	836.68	3/4	1,056.75	3/4	1,276.83	3/4	1,496.90	3/4	1,716.98	3/4	1,937.06	3/4	2,157.13
10	181.59	10	401.17	10	621.19	10	841.26	10	1,061.34	10	1,281.41	10	1,501.49	10	1,721.56	10	1,941.64	10	2,161.72
1/4	186.18	1/4	405.74	1/4	625.77	1/4	845.85	1/4	1,065.92	1/4	1,286.00	1/4	1,506.07	1/4	1,726.15	1/4	1,946.22	1/4	2,166.30
1/2	190.76	1/2	410.31	1/2	630.36	1/2	850.43	1/2	1,070.51	1/2	1,290.58	1/2	1,510.66	1/2	1,730.73	1/2	1,950.81	1/2	2,170.89
3/4	195.35	3/4	414.88	3/4	634.94	3/4	855.02	3/4	1,075.09	3/4	1,295.17	3/4	1,515.24	3/4	1,735.32	3/4	1,955.39	3/4	2,175.47
11	199.93	11	419.45	11	639.53	11	859.60	11	1,079.68	11	1,299.75	11	1,519.83	11	1,739.90	11	1,959.98	11	2,180.05
1/4	204.52	1/4	424.04	1/4	644.11	1/4	864.19	1/4	1,084.26	1/4	1,304.34	1/4	1,524.41	1/4	1,744.49	1/4	1,964.56	1/4	2,184.64
1/2	209.10	1/2	428.62	1/2	648.70	1/2	868.77	1/2	1,088.85	1/2	1,308.92	1/2	1,529.00	1/2	1,749.07	1/2	1,969.15	1/2	2,189.22
3/4	213.69	3/4	433.21	3/4	653.28	3/4	873.36	3/4	1,093.43	3/4	1,313.51	3/4	1,533.58	3/4	1,753.66	3/4	1,973.73	3/4	2,193.81

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 INNAGE GAUGES TAKEN AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "BUFFALO 400"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

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	2,198.39	0	2,418.47	0	2,636.44	0		0		0		0		0		0		0	
1/4	2,202.98	1/4	2,423.05	1/4	2,640.97	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,207.56	1/2	2,427.63	1/2	2,645.51	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,212.15	3/4	2,432.21	3/4	2,650.05	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,216.73	1	2,436.79	1	2,654.58	1		1		1		1		1		1		1	
1/4	2,221.32	1/4	2,441.34	1/4	2,659.12	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,225.90	1/2	2,445.90	1/2	2,663.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,230.49	3/4	2,450.46	3/4	2,668.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,235.07	2	2,455.01	2	2,672.72	2		2		2		2		2		2		2	
1/4	2,239.66	1/4	2,459.55	1/4	2,677.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,244.24	1/2	2,464.09	1/2	2,681.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,248.83	3/4	2,468.62	3/4	2,686.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,253.41	3	2,473.16	3	2,690.87	3		3		3		3		3		3		3	
1/4	2,258.00	1/4	2,477.69	1/4	2,695.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,262.58	1/2	2,482.23	1/2	2,699.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,267.17	3/4	2,486.76	3/4	2,704.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,271.75	4	2,491.30	4	2,709.01	4		4		4		4		4		4		4	
1/4	2,276.34	1/4	2,495.84	1/4	2,713.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,280.92	1/2	2,500.37	1/2	2,718.07	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,285.51	3/4	2,504.91	3/4	2,722.60	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,290.09	5	2,509.44	5	2,727.14	5		5		5		5		5		5		5	
1/4	2,294.68	1/4	2,513.98	1/4	2,731.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,299.26	1/2	2,518.51	1/2	2,736.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,303.85	3/4	2,523.05	3/4	2,740.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,308.43	6	2,527.58	6	2,745.26	6		6		6		6		6		6		6	
1/4	2,313.02	1/4	2,532.12	1/4	2,749.78	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,317.60	1/2	2,536.66	1/2	2,754.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,322.19	3/4	2,541.19	3/4	2,758.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,326.77	7	2,545.73	7	2,763.34	7		7		7		7		7		7		7	
1/4	2,331.36	1/4	2,550.26	1/4	2,767.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,335.94	1/2	2,554.80	1/2	2,772.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,340.53	3/4	2,559.33	3/4	2,776.86	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,345.11	8	2,563.87	8	2,781.36	8		8		8		8		8		8		8	
1/4	2,349.70	1/4	2,568.40	1/4	2,785.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,354.28	1/2	2,572.94	1/2	2,790.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,358.87	3/4	2,577.48	3/4	2,794.67	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,363.45	9	2,582.01	9	2,799.11	9		9		9		9		9		9		9	
1/4	2,368.04	1/4	2,586.55	1/4	2,803.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,372.62	1/2	2,591.08	1/2	2,807.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,377.21	3/4	2,595.62	3/4	2,811.60	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,381.79	10	2,600.15	10	2,815.77	10		10		10		10		10		10		10	
1/4	2,386.38	1/4	2,604.69	1/4	2,818.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,390.96	1/2	2,609.23	1/2	2,822.12	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,395.55	3/4	2,613.76	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,400.13	11	2,618.30	11		11		11		11		11		11		11		11	
1/4	2,404.71	1/4	2,622.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,409.30	1/2	2,627.37	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,413.88	3/4	2,631.90	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: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "BUFFALO 400"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	2,618.30	0	2,400.13	0	2,180.06	0	1,959.98	0	1,739.91	0	1,519.83
1/4		1/4		1/4		1/4		1/4	2,613.76	1/4	2,395.55	1/4	2,175.47	1/4	1,955.40	1/4	1,735.32	1/4	1,515.25
1/2		1/2		1/2		1/2		1/2	2,822.12	1/2	2,609.23	1/2	2,390.96	1/2	2,170.89	1/2	1,950.81	1/2	1,730.74
3/4		3/4		3/4		3/4		3/4	2,818.94	3/4	2,604.69	3/4	2,386.38	3/4	2,166.30	3/4	1,946.23	3/4	1,726.15
1		1		1		1		1	2,815.77	1	2,600.16	1	2,381.79	1	2,161.72	1	1,941.64	1	1,721.57
1/4		1/4		1/4		1/4		1/4	2,811.60	1/4	2,595.62	1/4	2,377.21	1/4	2,157.13	1/4	1,937.06	1/4	1,716.98
1/2		1/2		1/2		1/2		1/2	2,807.44	1/2	2,591.08	1/2	2,372.62	1/2	2,152.55	1/2	1,932.47	1/2	1,712.40
3/4		3/4		3/4		3/4		3/4	2,803.27	3/4	2,586.55	3/4	2,368.04	3/4	2,147.96	3/4	1,927.89	3/4	1,707.81
2		2		2		2		2	2,799.11	2	2,582.01	2	2,363.45	2	2,143.38	2	1,923.30	2	1,703.23
1/4		1/4		1/4		1/4		1/4	2,794.67	1/4	2,577.48	1/4	2,358.87	1/4	2,138.79	1/4	1,918.72	1/4	1,698.57
1/2		1/2		1/2		1/2		1/2	2,790.24	1/2	2,572.94	1/2	2,354.28	1/2	2,134.21	1/2	1,914.13	1/2	1,694.06
3/4		3/4		3/4		3/4		3/4	2,785.80	3/4	2,568.41	3/4	2,349.70	3/4	2,129.62	3/4	1,909.55	3/4	1,689.47
3		3		3		3		3	2,781.36	3	2,563.87	3	2,345.11	3	2,125.04	3	1,904.96	3	1,684.89
1/4		1/4		1/4		1/4		1/4	2,776.86	1/4	2,559.34	1/4	2,340.53	1/4	2,120.45	1/4	1,900.38	1/4	1,680.30
1/2		1/2		1/2		1/2		1/2	2,772.35	1/2	2,554.80	1/2	2,335.94	1/2	2,115.87	1/2	1,895.79	1/2	1,675.72
3/4		3/4		3/4		3/4		3/4	2,767.85	3/4	2,550.26	3/4	2,331.36	3/4	2,111.28	3/4	1,891.21	3/4	1,671.13
4		4		4		4		4	2,763.34	4	2,545.73	4	2,326.77	4	2,106.70	4	1,886.62	4	1,666.55
1/4		1/4		1/4		1/4		1/4	2,758.82	1/4	2,541.19	1/4	2,322.19	1/4	2,102.11	1/4	1,882.04	1/4	1,661.96
1/2		1/2		1/2		1/2		1/2	2,754.30	1/2	2,536.66	1/2	2,317.60	1/2	2,097.53	1/2	1,877.45	1/2	1,657.38
3/4		3/4		3/4		3/4		3/4	2,749.78	3/4	2,532.12	3/4	2,313.02	3/4	2,092.94	3/4	1,872.87	3/4	1,652.79
5		5		5		5		5	2,745.26	5	2,527.59	5	2,308.43	5	2,088.36	5	1,868.28	5	1,648.21
1/4		1/4		1/4		1/4		1/4	2,740.73	1/4	2,523.05	1/4	2,303.85	1/4	2,083.77	1/4	1,863.70	1/4	1,643.62
1/2		1/2		1/2		1/2		1/2	2,736.20	1/2	2,518.52	1/2	2,299.26	1/2	2,079.19	1/2	1,859.11	1/2	1,639.04
3/4		3/4		3/4		3/4		3/4	2,731.67	3/4	2,513.98	3/4	2,294.68	3/4	2,074.60	3/4	1,854.53	3/4	1,634.45
6		6		6		6		6	2,727.14	6	2,509.44	6	2,290.09	6	2,070.02	6	1,849.94	6	1,629.87
1/4		1/4		1/4		1/4		1/4	2,722.61	1/4	2,504.91	1/4	2,285.51	1/4	2,065.43	1/4	1,845.36	1/4	1,625.28
1/2		1/2		1/2		1/2		1/2	2,718.07	1/2	2,500.37	1/2	2,280.92	1/2	2,060.85	1/2	1,840.77	1/2	1,620.70
3/4		3/4		3/4		3/4		3/4	2,713.54	3/4	2,495.84	3/4	2,276.34	3/4	2,056.26	3/4	1,836.19	3/4	1,616.11
7		7		7		7		7	2,709.01	7	2,491.30	7	2,271.75	7	2,051.68	7	1,831.60	7	1,611.53
1/4		1/4		1/4		1/4		1/4	2,704.47	1/4	2,486.77	1/4	2,267.17	1/4	2,047.09	1/4	1,827.02	1/4	1,606.94
1/2		1/2		1/2		1/2		1/2	2,699.94	1/2	2,482.23	1/2	2,262.59	1/2	2,042.51	1/2	1,822.43	1/2	1,602.36
3/4		3/4		3/4		3/4		3/4	2,695.40	3/4	2,477.69	3/4	2,258.00	3/4	2,037.92	3/4	1,817.85	3/4	1,597.77
8		8		8		8		8	2,690.87	8	2,473.16	8	2,253.42	8	2,033.34	8	1,813.26	8	1,593.19
1/4		1/4		1/4		1/4		1/4	2,686.33	1/4	2,468.62	1/4	2,248.83	1/4	2,028.76	1/4	1,808.68	1/4	1,588.60
1/2		1/2		1/2		1/2		1/2	2,681.80	1/2	2,464.09	1/2	2,244.25	1/2	2,024.17	1/2	1,804.10	1/2	1,584.02
3/4		3/4		3/4		3/4		3/4	2,677.26	3/4	2,459.55	3/4	2,239.66	3/4	2,019.59	3/4	1,799.51	3/4	1,579.43
9		9		9		9		9	2,672.73	9	2,455.02	9	2,235.08	9	2,015.00	9	1,794.93	9	1,574.85
1/4		1/4		1/4		1/4		1/4	2,668.19	1/4	2,450.46	1/4	2,230.49	1/4	2,010.42	1/4	1,790.34	1/4	1,570.27
1/2		1/2		1/2		1/2		1/2	2,663.65	1/2	2,445.90	1/2	2,225.91	1/2	2,005.83	1/2	1,785.76	1/2	1,565.68
3/4		3/4		3/4		3/4		3/4	2,659.12	3/4	2,441.35	3/4	2,221.32	3/4	2,001.25	3/4	1,781.17	3/4	1,561.10
10		10		10		10		10	2,654.58	10	2,436.79	10	2,216.74	10	1,996.66	10	1,776.59	10	1,556.51
1/4		1/4		1/4		1/4		1/4	2,650.05	1/4	2,432.21	1/4	2,212.15	1/4	1,992.08	1/4	1,772.00	1/4	1,551.93
1/2		1/2		1/2		1/2		1/2	2,645.51	1/2	2,427.63	1/2	2,207.57	1/2	1,987.49	1/2	1,767.42	1/2	1,547.34
3/4		3/4		3/4		3/4		3/4	2,640.98	3/4	2,423.05	3/4	2,202.98	3/4	1,982.91	3/4	1,762.83	3/4	1,542.76
11		11		11		11		11	2,636.44	11	2,418.47	11	2,198.40	11	1,978.32	11	1,758.25	11	1,538.17
1/4		1/4		1/4		1/4		1/4	2,631.91	1/4	2,413.89	1/4	2,193.81	1/4	1,973.74	1/4	1,753.66	1/4	1,533.59
1/2		1/2		1/2		1/2		1/2	2,627.37	1/2	2,409.30	1/2	2,189.23	1/2	1,969.15	1/2	1,749.08	1/2	1,529.00
3/4		3/4		3/4		3/4		3/4	2,622.83	3/4	2,404.72	3/4	2,184.64	3/4	1,964.57	3/4	1,744.49	3/4	1,524.42

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 AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "BUFFALO 400"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

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	1,299.76	0	1,079.68	0	859.61	0	639.53	0	419.46	0	199.94	0		0		0		0	
1/4	1,295.17	1/4	1,075.10	1/4	855.02	1/4	634.95	1/4	414.89	1/4	195.35	1/4		1/4		1/4		1/4	
1/2	1,290.59	1/2	1,070.51	1/2	850.44	1/2	630.36	1/2	410.32	1/2	190.77	1/2		1/2		1/2		1/2	
3/4	1,286.00	3/4	1,065.93	3/4	845.85	3/4	625.78	3/4	405.75	3/4	186.18	3/4		3/4		3/4		3/4	
1	1,281.42	1	1,061.34	1	841.27	1	621.19	1	401.18	1	181.60	1		1		1		1	
1/4	1,276.83	1/4	1,056.76	1/4	836.68	1/4	616.61	1/4	396.61	1/4	177.01	1/4		1/4		1/4		1/4	
1/2	1,272.25	1/2	1,052.17	1/2	832.10	1/2	612.02	1/2	392.04	1/2	172.43	1/2		1/2		1/2		1/2	
3/4	1,267.66	3/4	1,047.59	3/4	827.51	3/4	607.44	3/4	387.47	3/4	167.84	3/4		3/4		3/4		3/4	
2	1,263.08	2	1,043.00	2	822.93	2	602.85	2	382.91	2	163.26	2		2		2		2	
1/4	1,258.49	1/4	1,038.42	1/4	818.34	1/4	598.27	1/4	378.34	1/4	158.67	1/4		1/4		1/4		1/4	
1/2	1,253.91	1/2	1,033.83	1/2	813.76	1/2	593.68	1/2	373.77	1/2	154.09	1/2		1/2		1/2		1/2	
3/4	1,249.32	3/4	1,029.25	3/4	809.17	3/4	589.10	3/4	369.20	3/4	149.50	3/4		3/4		3/4		3/4	
3	1,244.74	3	1,024.66	3	804.59	3	584.51	3	364.64	3	144.92	3		3		3		3	
1/4	1,240.15	1/4	1,020.08	1/4	800.00	1/4	579.93	1/4	360.07	1/4	140.48	1/4		1/4		1/4		1/4	
1/2	1,235.57	1/2	1,015.49	1/2	795.42	1/2	575.34	1/2	355.50	1/2	136.04	1/2		1/2		1/2		1/2	
3/4	1,230.98	3/4	1,010.91	3/4	790.83	3/4	570.76	3/4	350.93	3/4	131.61	3/4		3/4		3/4		3/4	
4	1,226.40	4	1,006.32	4	786.25	4	566.17	4	346.36	4	127.17	4		4		4		4	
1/4	1,221.81	1/4	1,001.74	1/4	781.66	1/4	561.59	1/4	341.80	1/4	122.76	1/4		1/4		1/4		1/4	
1/2	1,217.23	1/2	997.15	1/2	777.08	1/2	557.00	1/2	337.23	1/2	118.35	1/2		1/2		1/2		1/2	
3/4	1,212.64	3/4	992.57	3/4	772.49	3/4	552.42	3/4	332.66	3/4	113.93	3/4		3/4		3/4		3/4	
5	1,208.06	5	987.98	5	767.91	5	547.83	5	328.09	5	109.52	5		5		5		5	
1/4	1,203.47	1/4	983.40	1/4	763.32	1/4	543.25	1/4	323.53	1/4	105.11	1/4		1/4		1/4		1/4	
1/2	1,198.89	1/2	978.81	1/2	758.74	1/2	538.66	1/2	318.96	1/2	100.70	1/2		1/2		1/2		1/2	
3/4	1,194.30	3/4	974.23	3/4	754.15	3/4	534.08	3/4	314.39	3/4	96.30	3/4		3/4		3/4		3/4	
6	1,189.72	6	969.64	6	749.57	6	529.49	6	309.82	6	91.89	6		6		6		6	
1/4	1,185.13	1/4	965.06	1/4	744.98	1/4	524.91	1/4	305.26	1/4	87.49	1/4		1/4		1/4		1/4	
1/2	1,180.55	1/2	960.47	1/2	740.40	1/2	520.32	1/2	300.69	1/2	83.09	1/2		1/2		1/2		1/2	
3/4	1,175.96	3/4	955.89	3/4	735.81	3/4	515.74	3/4	296.12	3/4	78.69	3/4		3/4		3/4		3/4	
7	1,171.38	7	951.30	7	731.23	7	511.15	7	291.55	7	74.29	7		7		7		7	
1/4	1,166.79	1/4	946.72	1/4	726.64	1/4	506.57	1/4	286.98	1/4	69.91	1/4		1/4		1/4		1/4	
1/2	1,162.21	1/2	942.13	1/2	722.06	1/2	501.98	1/2	282.42	1/2	65.52	1/2		1/2		1/2		1/2	
3/4	1,157.62	3/4	937.55	3/4	717.47	3/4	497.40	3/4	277.85	3/4	61.13	3/4		3/4		3/4		3/4	
8	1,153.04	8	932.96	8	712.89	8	492.81	8	273.28	8	56.75	8		8		8		8	
1/4	1,148.45	1/4	928.38	1/4	708.30	1/4	488.23	1/4	268.70	1/4	52.39	1/4		1/4		1/4		1/4	
1/2	1,143.87	1/2	923.79	1/2	703.72	1/2	483.64	1/2	264.12	1/2	48.03	1/2		1/2		1/2		1/2	
3/4	1,139.28	3/4	919.21	3/4	699.13	3/4	479.06	3/4	259.53	3/4	43.66	3/4		3/4		3/4		3/4	
9	1,134.70	9	914.62	9	694.55	9	474.47	9	254.95	9	39.30	9		9		9		9	
1/4	1,130.11	1/4	910.04	1/4	689.96	1/4	469.89	1/4	250.37	1/4	35.25	1/4		1/4		1/4		1/4	
1/2	1,125.53	1/2	905.45	1/2	685.38	1/2	465.30	1/2	245.78	1/2	31.20	1/2		1/2		1/2		1/2	
3/4	1,120.94	3/4	900.87	3/4	680.79	3/4	460.72	3/4	241.20	3/4	27.15	3/4		3/4		3/4		3/4	
10	1,116.36	10	896.28	10	676.21	10	456.13	10	236.61	10	23.10	10		10		10		10	
1/4	1,111.78	1/4	891.70	1/4	671.62	1/4	451.55	1/4	232.03	1/4	20.09	1/4		1/4		1/4		1/4	
1/2	1,107.19	1/2	887.11	1/2	667.04	1/2	446.96	1/2	227.44	1/2	17.08	1/2		1/2		1/2		1/2	
3/4	1,102.61	3/4	882.53	3/4	662.45	3/4	442.38	3/4	222.86	3/4	14.07	3/4		3/4		3/4		3/4	
11	1,098.02	11	877.95	11	657.87	11	437.79	11	218.27	11	11.06	11		11		11		11	
1/4	1,093.44	1/4	873.36	1/4	653.29	1/4	433.21	1/4	213.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,088.85	1/2	868.78	1/2	648.70	1/2	428.63	1/2	209.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,084.27	3/4	864.19	3/4	644.12	3/4	424.04	3/4	204.52	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
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BARGE "BUFFALO 400"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11 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	9.76	0	191.63	0	379.27	0	570.06	0	763.20	0	956.35	0	1,149.50	0	1,341.74	0	1,534.89	0	1,728.03
1/4	12.40	1/4	195.65	1/4	383.14	1/4	574.08	1/4	767.23	1/4	960.38	1/4	1,153.52	1/4	1,345.76	1/4	1,538.91	1/4	1,732.06
1/2	15.04	1/2	199.68	1/2	387.02	1/2	578.11	1/2	771.25	1/2	964.40	1/2	1,157.54	1/2	1,349.79	1/2	1,542.93	1/2	1,736.08
3/4	17.68	3/4	203.70	3/4	390.89	3/4	582.13	3/4	775.28	3/4	968.42	3/4	1,161.55	3/4	1,353.81	3/4	1,546.96	3/4	1,740.11
1	20.32	1	207.73	1	394.76	1	586.15	1	779.30	1	972.45	1	1,165.57	1	1,357.84	1	1,550.98	1	1,744.13
1/4	23.88	1/4	211.75	1/4	398.63	1/4	590.18	1/4	783.32	1/4	976.47	1/4	1,169.54	1/4	1,361.86	1/4	1,555.01	1/4	1,748.15
1/2	27.44	1/2	215.77	1/2	402.50	1/2	594.20	1/2	787.35	1/2	980.50	1/2	1,173.50	1/2	1,365.88	1/2	1,559.03	1/2	1,752.18
3/4	30.99	3/4	219.80	3/4	406.37	3/4	598.22	3/4	791.37	3/4	984.52	3/4	1,177.47	3/4	1,369.91	3/4	1,563.05	3/4	1,756.20
2	34.55	2	223.82	2	410.24	2	602.25	2	795.40	2	988.54	2	1,181.44	2	1,373.93	2	1,567.08	2	1,760.23
1/4	38.38	1/4	227.84	1/4	414.12	1/4	606.27	1/4	799.42	1/4	992.57	1/4	1,185.41	1/4	1,377.95	1/4	1,571.10	1/4	1,764.25
1/2	42.21	1/2	231.86	1/2	417.99	1/2	610.30	1/2	803.44	1/2	996.59	1/2	1,189.37	1/2	1,381.98	1/2	1,575.13	1/2	1,768.27
3/4	46.03	3/4	235.89	3/4	421.86	3/4	614.32	3/4	807.47	3/4	1,000.61	3/4	1,193.34	3/4	1,386.00	3/4	1,579.15	3/4	1,772.30
3	49.86	3	239.91	3	425.73	3	618.34	3	811.49	3	1,004.64	3	1,197.31	3	1,390.03	3	1,583.17	3	1,776.32
1/4	53.71	1/4	243.89	1/4	429.62	1/4	622.37	1/4	815.52	1/4	1,008.66	1/4	1,201.27	1/4	1,394.05	1/4	1,587.20	1/4	1,780.34
1/2	57.56	1/2	247.88	1/2	433.51	1/2	626.39	1/2	819.54	1/2	1,012.69	1/2	1,205.24	1/2	1,398.07	1/2	1,591.22	1/2	1,784.37
3/4	61.41	3/4	251.87	3/4	437.40	3/4	630.42	3/4	823.56	3/4	1,016.71	3/4	1,209.21	3/4	1,402.10	3/4	1,595.25	3/4	1,788.39
4	65.26	4	255.86	4	441.29	4	634.44	4	827.59	4	1,020.73	4	1,213.17	4	1,406.12	4	1,599.27	4	1,792.42
1/4	69.12	1/4	259.71	1/4	445.32	1/4	638.46	1/4	831.61	1/4	1,024.76	1/4	1,217.15	1/4	1,410.15	1/4	1,603.29	1/4	1,796.44
1/2	72.98	1/2	263.57	1/2	449.34	1/2	642.49	1/2	835.64	1/2	1,028.78	1/2	1,221.12	1/2	1,414.17	1/2	1,607.32	1/2	1,800.46
3/4	76.84	3/4	267.42	3/4	453.36	3/4	646.51	3/4	839.66	3/4	1,032.81	3/4	1,225.10	3/4	1,418.19	3/4	1,611.34	3/4	1,804.49
5	80.70	5	271.27	5	457.39	5	650.54	5	843.68	5	1,036.83	5	1,229.07	5	1,422.22	5	1,615.36	5	1,808.51
1/4	84.57	1/4	275.13	1/4	461.41	1/4	654.56	1/4	847.71	1/4	1,040.85	1/4	1,233.09	1/4	1,426.24	1/4	1,619.39	1/4	1,812.54
1/2	88.44	1/2	278.98	1/2	465.44	1/2	658.58	1/2	851.73	1/2	1,044.88	1/2	1,237.12	1/2	1,430.27	1/2	1,623.41	1/2	1,816.56
3/4	92.31	3/4	282.84	3/4	469.46	3/4	662.61	3/4	855.75	3/4	1,048.90	3/4	1,241.14	3/4	1,434.29	3/4	1,627.44	3/4	1,820.58
6	96.18	6	286.69	6	473.48	6	666.63	6	859.78	6	1,052.93	6	1,245.17	6	1,438.31	6	1,631.46	6	1,824.61
1/4	100.05	1/4	290.55	1/4	477.51	1/4	670.66	1/4	863.80	1/4	1,056.95	1/4	1,249.19	1/4	1,442.34	1/4	1,635.48	1/4	1,828.63
1/2	103.93	1/2	294.40	1/2	481.53	1/2	674.68	1/2	867.83	1/2	1,060.97	1/2	1,253.21	1/2	1,446.36	1/2	1,639.51	1/2	1,832.66
3/4	107.80	3/4	298.25	3/4	485.56	3/4	678.70	3/4	871.85	3/4	1,065.00	3/4	1,257.24	3/4	1,450.38	3/4	1,643.53	3/4	1,836.68
7	111.67	7	302.11	7	489.58	7	682.73	7	875.87	7	1,069.02	7	1,261.26	7	1,454.41	7	1,647.56	7	1,840.70
1/4	115.57	1/4	305.96	1/4	493.60	1/4	686.75	1/4	879.90	1/4	1,073.05	1/4	1,265.29	1/4	1,458.43	1/4	1,651.58	1/4	1,844.73
1/2	119.46	1/2	309.82	1/2	497.63	1/2	690.77	1/2	883.92	1/2	1,077.07	1/2	1,269.31	1/2	1,462.46	1/2	1,655.60	1/2	1,848.75
3/4	123.36	3/4	313.67	3/4	501.65	3/4	694.80	3/4	887.95	3/4	1,081.09	3/4	1,273.33	3/4	1,466.48	3/4	1,659.63	3/4	1,852.77
8	127.25	8	317.53	8	505.68	8	698.82	8	891.97	8	1,085.12	8	1,277.36	8	1,470.50	8	1,663.65	8	1,856.80
1/4	131.27	1/4	321.38	1/4	509.70	1/4	702.85	1/4	895.99	1/4	1,089.14	1/4	1,281.38	1/4	1,474.53	1/4	1,667.68	1/4	1,860.82
1/2	135.30	1/2	325.24	1/2	513.72	1/2	706.87	1/2	900.02	1/2	1,093.16	1/2	1,285.41	1/2	1,478.55	1/2	1,671.70	1/2	1,864.85
3/4	139.32	3/4	329.09	3/4	517.75	3/4	710.89	3/4	904.04	3/4	1,097.19	3/4	1,289.43	3/4	1,482.58	3/4	1,675.72	3/4	1,868.87
9	143.34	9	332.94	9	521.77	9	714.92	9	908.07	9	1,101.21	9	1,293.45	9	1,486.60	9	1,679.75	9	1,872.89
1/4	147.37	1/4	336.80	1/4	525.79	1/4	718.94	1/4	912.09	1/4	1,105.24	1/4	1,297.48	1/4	1,490.62	1/4	1,683.77	1/4	1,876.92
1/2	151.39	1/2	340.65	1/2	529.82	1/2	722.97	1/2	916.11	1/2	1,109.26	1/2	1,301.50	1/2	1,494.65	1/2	1,687.79	1/2	1,880.94
3/4	155.42	3/4	344.51	3/4	533.84	3/4	726.99	3/4	920.14	3/4	1,113.28	3/4	1,305.52	3/4	1,498.67	3/4	1,691.82	3/4	1,884.97
10	159.44	10	348.36	10	537.87	10	731.01	10	924.16	10	1,117.31	10	1,309.55	10	1,502.70	10	1,695.84	10	1,888.99
1/4	163.46	1/4	352.22	1/4	541.89	1/4	735.04	1/4	928.18	1/4	1,121.33	1/4	1,313.57	1/4	1,506.72	1/4	1,699.87	1/4	1,893.01
1/2	167.49	1/2	356.07	1/2	545.91	1/2	739.06	1/2	932.21	1/2	1,125.36	1/2	1,317.60	1/2	1,510.74	1/2	1,703.89	1/2	1,897.04
3/4	171.51	3/4	359.93	3/4	549.94	3/4	743.09	3/4	936.23	3/4	1,129.38	3/4	1,321.62	3/4	1,514.77	3/4	1,707.91	3/4	1,901.06
11	175.54	11	363.79	11	553.96	11	747.11	11	940.26	11	1,133.40	11	1,325.64	11	1,518.79	11	1,711.94	11	1,905.09
1/4	179.56	1/4	367.66	1/4	557.99	1/4	751.13	1/4	944.28	1/4	1,137.43	1/4	1,329.67	1/4	1,522.82	1/4	1,715.96	1/4	1,909.11
1/2	183.58	1/2	371.53	1/2	562.01	1/2	755.16	1/2	948.30	1/2	1,141.45	1/2	1,333.69	1/2	1,526.84	1/2	1,719.99	1/2	1,913.13
3/4	187.61	3/4	375.40	3/4	566.03	3/4	759.18	3/4	952.33	3/4	1,145.48	3/4	1,337.72	3/4	1,530.86	3/4	1,724.01	3/4	1,917.16

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 INNAGE GAUGES TAKEN AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "BUFFALO 400"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11 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	1,921.18	0	2,114.33	0	2,305.39	0		0		0		0		0		0		0	
1/4	1,925.21	1/4	2,118.35	1/4	2,309.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,929.23	1/2	2,122.37	1/2	2,313.34	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,933.25	3/4	2,126.39	3/4	2,317.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,937.28	1	2,130.42	1	2,321.29	1		1		1		1		1		1		1	
1/4	1,941.30	1/4	2,134.41	1/4	2,325.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,945.32	1/2	2,138.41	1/2	2,329.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,949.35	3/4	2,142.41	3/4	2,333.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,953.37	2	2,146.40	2	2,337.19	2		2		2		2		2		2		2	
1/4	1,957.40	1/4	2,150.38	1/4	2,341.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,961.42	1/2	2,154.35	1/2	2,345.14	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,965.44	3/4	2,158.33	3/4	2,349.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	1,969.47	3	2,162.30	3	2,353.09	3		3		3		3		3		3		3	
1/4	1,973.49	1/4	2,166.28	1/4	2,357.06	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,977.52	1/2	2,170.25	1/2	2,361.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,981.54	3/4	2,174.22	3/4	2,365.01	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	1,985.56	4	2,178.20	4	2,368.98	4		4		4		4		4		4		4	
1/4	1,989.59	1/4	2,182.17	1/4	2,372.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,993.61	1/2	2,186.15	1/2	2,376.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,997.64	3/4	2,190.12	3/4	2,380.91	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,001.66	5	2,194.10	5	2,384.88	5		5		5		5		5		5		5	
1/4	2,005.68	1/4	2,198.07	1/4	2,388.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,009.71	1/2	2,202.05	1/2	2,392.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,013.73	3/4	2,206.02	3/4	2,396.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,017.75	6	2,210.00	6	2,400.76	6		6		6		6		6		6		6	
1/4	2,021.78	1/4	2,213.97	1/4	2,404.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,025.80	1/2	2,217.95	1/2	2,408.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,029.83	3/4	2,221.92	3/4	2,412.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,033.85	7	2,225.90	7	2,416.61	7		7		7		7		7		7		7	
1/4	2,037.87	1/4	2,229.87	1/4	2,420.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,041.90	1/2	2,233.85	1/2	2,424.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,045.92	3/4	2,237.82	3/4	2,428.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,049.95	8	2,241.79	8	2,432.40	8		8		8		8		8		8		8	
1/4	2,053.97	1/4	2,245.77	1/4	2,436.28	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,057.99	1/2	2,249.74	1/2	2,440.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,062.02	3/4	2,253.72	3/4	2,444.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,066.04	9	2,257.69	9	2,447.93	9		9		9		9		9		9		9	
1/4	2,070.07	1/4	2,261.67	1/4	2,451.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,074.09	1/2	2,265.64	1/2	2,455.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,078.11	3/4	2,269.62	3/4	2,458.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,082.14	10	2,273.59	10	2,462.49	10		10		10		10		10		10		10	
1/4	2,086.16	1/4	2,277.57	1/4	2,465.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,090.18	1/2	2,281.54	1/2	2,468.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,094.21	3/4	2,285.52	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,098.23	11	2,289.49	11		11		11		11		11		11		11		11	
1/4	2,102.26	1/4	2,293.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,106.28	1/2	2,297.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,110.30	3/4	2,301.42	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: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
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BARGE "BUFFALO 400"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11 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		0		0		0	2,293.47	0	2,102.26	0	1,909.11	0	1,715.97	0	1,522.82	0	1,329.67
1/4		1/4		1/4		1/4		1/4	2,289.50	1/4	2,098.24	1/4	1,905.09	1/4	1,711.94	1/4	1,518.80	1/4	1,325.65
1/2		1/2		1/2		1/2		1/2	2,285.52	1/2	2,094.21	1/2	1,901.07	1/2	1,707.92	1/2	1,514.77	1/2	1,321.63
3/4		3/4		3/4		3/4	2,468.04	3/4	2,281.55	3/4	2,090.19	3/4	1,897.04	3/4	1,703.90	3/4	1,510.75	3/4	1,317.60
1		1		1		1	2,465.27	1	2,277.57	1	2,086.17	1	1,893.02	1	1,699.87	1	1,506.72	1	1,313.58
1/4		1/4		1/4		1/4	2,462.49	1/4	2,273.60	1/4	2,082.14	1/4	1,888.99	1/4	1,695.85	1/4	1,502.70	1/4	1,309.55
1/2		1/2		1/2		1/2	2,458.85	1/2	2,269.62	1/2	2,078.12	1/2	1,884.97	1/2	1,691.82	1/2	1,498.68	1/2	1,305.53
3/4		3/4		3/4		3/4	2,455.21	3/4	2,265.65	3/4	2,074.09	3/4	1,880.95	3/4	1,687.80	3/4	1,494.65	3/4	1,301.51
2		2		2		2	2,451.57	2	2,261.67	2	2,070.07	2	1,876.92	2	1,683.78	2	1,490.63	2	1,297.48
1/4		1/4		1/4		1/4	2,447.93	1/4	2,257.70	1/4	2,066.05	1/4	1,872.90	1/4	1,679.75	1/4	1,486.61	1/4	1,293.46
1/2		1/2		1/2		1/2	2,444.05	1/2	2,253.72	1/2	2,062.02	1/2	1,868.88	1/2	1,675.73	1/2	1,482.58	1/2	1,289.43
3/4		3/4		3/4		3/4	2,440.17	3/4	2,249.75	3/4	2,058.00	3/4	1,864.85	3/4	1,671.70	3/4	1,478.56	3/4	1,285.41
3		3		3		3	2,436.28	3	2,245.77	3	2,053.97	3	1,860.83	3	1,667.68	3	1,474.53	3	1,281.39
1/4		1/4		1/4		1/4	2,432.40	1/4	2,241.80	1/4	2,049.95	1/4	1,856.80	1/4	1,663.66	1/4	1,470.51	1/4	1,277.36
1/2		1/2		1/2		1/2	2,428.45	1/2	2,237.83	1/2	2,045.93	1/2	1,852.78	1/2	1,659.63	1/2	1,466.49	1/2	1,273.34
3/4		3/4		3/4		3/4	2,424.51	3/4	2,233.85	3/4	2,041.90	3/4	1,848.76	3/4	1,655.61	3/4	1,462.46	3/4	1,269.31
4		4		4		4	2,420.56	4	2,229.88	4	2,037.88	4	1,844.73	4	1,651.58	4	1,458.44	4	1,265.29
1/4		1/4		1/4		1/4	2,416.61	1/4	2,225.90	1/4	2,033.86	1/4	1,840.71	1/4	1,647.56	1/4	1,454.41	1/4	1,261.27
1/2		1/2		1/2		1/2	2,412.65	1/2	2,221.93	1/2	2,029.83	1/2	1,836.68	1/2	1,643.54	1/2	1,450.39	1/2	1,257.24
3/4		3/4		3/4		3/4	2,408.69	3/4	2,217.95	3/4	2,025.81	3/4	1,832.66	3/4	1,639.51	3/4	1,446.37	3/4	1,253.22
5		5		5		5	2,404.72	5	2,213.98	5	2,021.78	5	1,828.64	5	1,635.49	5	1,442.34	5	1,249.19
1/4		1/4		1/4		1/4	2,400.76	1/4	2,210.00	1/4	2,017.76	1/4	1,824.61	1/4	1,631.47	1/4	1,438.32	1/4	1,245.17
1/2		1/2		1/2		1/2	2,396.79	1/2	2,206.03	1/2	2,013.74	1/2	1,820.59	1/2	1,627.44	1/2	1,434.29	1/2	1,241.15
3/4		3/4		3/4		3/4	2,392.82	3/4	2,202.05	3/4	2,009.71	3/4	1,816.56	3/4	1,623.42	3/4	1,430.27	3/4	1,237.12
6		6		6		6	2,388.85	6	2,198.08	6	2,005.69	6	1,812.54	6	1,619.39	6	1,426.25	6	1,233.10
1/4		1/4		1/4		1/4	2,384.89	1/4	2,194.10	1/4	2,001.66	1/4	1,808.52	1/4	1,615.37	1/4	1,422.22	1/4	1,229.08
1/2		1/2		1/2		1/2	2,380.91	1/2	2,190.13	1/2	1,997.64	1/2	1,804.49	1/2	1,611.35	1/2	1,418.20	1/2	1,225.10
3/4		3/4		3/4		3/4	2,376.94	3/4	2,186.15	3/4	1,993.62	3/4	1,800.47	3/4	1,607.32	3/4	1,414.17	3/4	1,221.13
7		7		7		7	2,372.96	7	2,182.18	7	1,989.59	7	1,796.45	7	1,603.30	7	1,410.15	7	1,217.15
1/4		1/4		1/4		1/4	2,368.99	1/4	2,178.20	1/4	1,985.57	1/4	1,792.42	1/4	1,599.27	1/4	1,406.13	1/4	1,213.18
1/2		1/2		1/2		1/2	2,365.01	1/2	2,174.23	1/2	1,981.54	1/2	1,788.40	1/2	1,595.25	1/2	1,402.10	1/2	1,209.21
3/4		3/4		3/4		3/4	2,361.04	3/4	2,170.26	3/4	1,977.52	3/4	1,784.37	3/4	1,591.23	3/4	1,398.08	3/4	1,205.24
8		8		8		8	2,357.07	8	2,166.28	8	1,973.50	8	1,780.35	8	1,587.20	8	1,394.06	8	1,201.28
1/4		1/4		1/4		1/4	2,353.09	1/4	2,162.31	1/4	1,969.47	1/4	1,776.33	1/4	1,583.18	1/4	1,390.03	1/4	1,197.31
1/2		1/2		1/2		1/2	2,349.12	1/2	2,158.33	1/2	1,965.45	1/2	1,772.30	1/2	1,579.15	1/2	1,386.01	1/2	1,193.34
3/4		3/4		3/4		3/4	2,345.14	3/4	2,154.36	3/4	1,961.43	3/4	1,768.28	3/4	1,575.13	3/4	1,381.98	3/4	1,189.38
9		9		9		9	2,341.17	9	2,150.38	9	1,957.40	9	1,764.25	9	1,571.11	9	1,377.96	9	1,185.41
1/4		1/4		1/4		1/4	2,337.19	1/4	2,146.41	1/4	1,953.38	1/4	1,760.23	1/4	1,567.08	1/4	1,373.94	1/4	1,181.44
1/2		1/2		1/2		1/2	2,333.22	1/2	2,142.41	1/2	1,949.35	1/2	1,756.21	1/2	1,563.06	1/2	1,369.91	1/2	1,177.48
3/4		3/4		3/4		3/4	2,329.24	3/4	2,138.41	3/4	1,945.33	3/4	1,752.18	3/4	1,559.04	3/4	1,365.89	3/4	1,173.51
10		10		10		10	2,325.27	10	2,134.42	10	1,941.31	10	1,748.16	10	1,555.01	10	1,361.86	10	1,169.54
1/4		1/4		1/4		1/4	2,321.29	1/4	2,130.42	1/4	1,937.28	1/4	1,744.13	1/4	1,550.99	1/4	1,357.84	1/4	1,165.58
1/2		1/2		1/2		1/2	2,317.32	1/2	2,126.40	1/2	1,933.26	1/2	1,740.11	1/2	1,546.96	1/2	1,353.82	1/2	1,161.56
3/4		3/4		3/4		3/4	2,313.34	3/4	2,122.38	3/4	1,929.23	3/4	1,736.09	3/4	1,542.94	3/4	1,349.79	3/4	1,157.54
11		11		11		11	2,309.37	11	2,118.36	11	1,925.21	11	1,732.06	11	1,538.92	11	1,345.77	11	1,153.52
1/4		1/4		1/4		1/4	2,305.40	1/4	2,114.33	1/4	1,921.19	1/4	1,728.04	1/4	1,534.89	1/4	1,341.74	1/4	1,149.50
1/2		1/2		1/2		1/2	2,301.42	1/2	2,110.31	1/2	1,917.16	1/2	1,724.02	1/2	1,530.87	1/2	1,337.72	1/2	1,145.48
3/4		3/4		3/4		3/4	2,297.45	3/4	2,106.29	3/4	1,913.14	3/4	1,719.99	3/4	1,526.84	3/4	1,333.70	3/4	1,141.46

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 AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "BUFFALO 400"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11 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	1,137.43	0	944.29	0	751.14	0	557.99	0	367.66	0	179.56	0		0		0		0	
1/4	1,133.41	1/4	940.26	1/4	747.11	1/4	553.97	1/4	363.79	1/4	175.54	1/4		1/4		1/4		1/4	
1/2	1,129.38	1/2	936.24	1/2	743.09	1/2	549.94	1/2	359.94	1/2	171.52	1/2		1/2		1/2		1/2	
3/4	1,125.36	3/4	932.21	3/4	739.07	3/4	545.92	3/4	356.08	3/4	167.49	3/4		3/4		3/4		3/4	
1	1,121.34	1	928.19	1	735.04	1	541.90	1	352.22	1	163.47	1		1		1		1	
1/4	1,117.31	1/4	924.17	1/4	731.02	1/4	537.87	1/4	348.37	1/4	159.45	1/4		1/4		1/4		1/4	
1/2	1,113.29	1/2	920.14	1/2	726.99	1/2	533.85	1/2	344.51	1/2	155.42	1/2		1/2		1/2		1/2	
3/4	1,109.27	3/4	916.12	3/4	722.97	3/4	529.82	3/4	340.66	3/4	151.40	3/4		3/4		3/4		3/4	
2	1,105.24	2	912.09	2	718.95	2	525.80	2	336.80	2	147.37	2		2		2		2	
1/4	1,101.22	1/4	908.07	1/4	714.92	1/4	521.78	1/4	332.95	1/4	143.35	1/4		1/4		1/4		1/4	
1/2	1,097.19	1/2	904.05	1/2	710.90	1/2	517.75	1/2	329.09	1/2	139.33	1/2		1/2		1/2		1/2	
3/4	1,093.17	3/4	900.02	3/4	706.88	3/4	513.73	3/4	325.24	3/4	135.30	3/4		3/4		3/4		3/4	
3	1,089.15	3	896.00	3	702.85	3	509.70	3	321.39	3	131.28	3		3		3		3	
1/4	1,085.12	1/4	891.97	1/4	698.83	1/4	505.68	1/4	317.53	1/4	127.25	1/4		1/4		1/4		1/4	
1/2	1,081.10	1/2	887.95	1/2	694.80	1/2	501.66	1/2	313.68	1/2	123.36	1/2		1/2		1/2		1/2	
3/4	1,077.07	3/4	883.93	3/4	690.78	3/4	497.63	3/4	309.82	3/4	119.47	3/4		3/4		3/4		3/4	
4	1,073.05	4	879.90	4	686.76	4	493.61	4	305.97	4	115.57	4		4		4		4	
1/4	1,069.03	1/4	875.88	1/4	682.73	1/4	489.58	1/4	302.11	1/4	111.68	1/4		1/4		1/4		1/4	
1/2	1,065.00	1/2	871.86	1/2	678.71	1/2	485.56	1/2	298.26	1/2	107.81	1/2		1/2		1/2		1/2	
3/4	1,060.98	3/4	867.83	3/4	674.68	3/4	481.54	3/4	294.41	3/4	103.93	3/4		3/4		3/4		3/4	
5	1,056.95	5	863.81	5	670.66	5	477.51	5	290.55	5	100.06	5		5		5		5	
1/4	1,052.93	1/4	859.78	1/4	666.64	1/4	473.49	1/4	286.70	1/4	96.19	1/4		1/4		1/4		1/4	
1/2	1,048.91	1/2	855.76	1/2	662.61	1/2	469.47	1/2	282.84	1/2	92.32	1/2		1/2		1/2		1/2	
3/4	1,044.88	3/4	851.74	3/4	658.59	3/4	465.44	3/4	278.99	3/4	88.45	3/4		3/4		3/4		3/4	
6	1,040.86	6	847.71	6	654.56	6	461.42	6	275.13	6	84.58	6		6		6		6	
1/4	1,036.84	1/4	843.69	1/4	650.54	1/4	457.39	1/4	271.28	1/4	80.71	1/4		1/4		1/4		1/4	
1/2	1,032.81	1/2	839.66	1/2	646.52	1/2	453.37	1/2	267.43	1/2	76.85	1/2		1/2		1/2		1/2	
3/4	1,028.79	3/4	835.64	3/4	642.49	3/4	449.35	3/4	263.57	3/4	72.99	3/4		3/4		3/4		3/4	
7	1,024.76	7	831.62	7	638.47	7	445.32	7	259.72	7	69.13	7		7		7		7	
1/4	1,020.74	1/4	827.59	1/4	634.45	1/4	441.30	1/4	255.86	1/4	65.26	1/4		1/4		1/4		1/4	
1/2	1,016.72	1/2	823.57	1/2	630.42	1/2	437.41	1/2	251.87	1/2	61.41	1/2		1/2		1/2		1/2	
3/4	1,012.69	3/4	819.54	3/4	626.40	3/4	433.52	3/4	247.89	3/4	57.57	3/4		3/4		3/4		3/4	
8	1,008.67	8	815.52	8	622.37	8	429.63	8	243.90	8	53.72	8		8		8		8	
1/4	1,004.64	1/4	811.50	1/4	618.35	1/4	425.74	1/4	239.91	1/4	49.87	1/4		1/4		1/4		1/4	
1/2	1,000.62	1/2	807.47	1/2	614.33	1/2	421.86	1/2	235.89	1/2	46.04	1/2		1/2		1/2		1/2	
3/4	996.60	3/4	803.45	3/4	610.30	3/4	417.99	3/4	231.87	3/4	42.21	3/4		3/4		3/4		3/4	
9	992.57	9	799.42	9	606.28	9	414.12	9	227.85	9	38.38	9		9		9		9	
1/4	988.55	1/4	795.40	1/4	602.25	1/4	410.25	1/4	223.83	1/4	34.55	1/4		1/4		1/4		1/4	
1/2	984.52	1/2	791.38	1/2	598.23	1/2	406.38	1/2	219.80	1/2	31.00	1/2		1/2		1/2		1/2	
3/4	980.50	3/4	787.35	3/4	594.21	3/4	402.51	3/4	215.78	3/4	27.44	3/4		3/4		3/4		3/4	
10	976.48	10	783.33	10	590.18	10	398.63	10	211.75	10	23.89	10		10		10		10	
1/4	972.45	1/4	779.31	1/4	586.16	1/4	394.76	1/4	207.73	1/4	20.33	1/4		1/4		1/4		1/4	
1/2	968.43	1/2	775.28	1/2	582.13	1/2	390.89	1/2	203.71	1/2	17.69	1/2		1/2		1/2		1/2	
3/4	964.40	3/4	771.26	3/4	578.11	3/4	387.02	3/4	199.68	3/4	15.05	3/4		3/4		3/4		3/4	
11	960.38	11	767.23	11	574.09	11	383.15	11	195.66	11	12.41	11		11		11		11	
1/4	956.36	1/4	763.21	1/4	570.06	1/4	379.28	1/4	191.64	1/4	9.76	1/4		1/4		1/4		1/4	
1/2	952.33	1/2	759.19	1/2	566.04	1/2	375.41	1/2	187.61	1/2		1/2		1/2		1/2		1/2	
3/4	948.31	3/4	755.16	3/4	562.01	3/4	371.53	3/4	183.59	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
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BARGE "BUFFALO 400"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

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	9.79	0	192.29	0	383.61	0	576.83	0	770.63	0	964.43	0	1,158.23	0	1,352.03	0	1,545.83	0	1,739.63
1/4	12.44	1/4	196.32	1/4	387.61	1/4	580.86	1/4	774.66	1/4	968.46	1/4	1,162.26	1/4	1,356.06	1/4	1,549.86	1/4	1,743.66
1/2	15.09	1/2	200.36	1/2	391.61	1/2	584.90	1/2	778.70	1/2	972.50	1/2	1,166.30	1/2	1,360.10	1/2	1,553.90	1/2	1,747.70
3/4	17.74	3/4	204.40	3/4	395.61	3/4	588.94	3/4	782.74	3/4	976.54	3/4	1,170.34	3/4	1,364.14	3/4	1,557.94	3/4	1,751.74
1	20.39	1	208.43	1	399.61	1	592.98	1	786.78	1	980.58	1	1,174.38	1	1,368.18	1	1,561.98	1	1,755.78
1/4	23.96	1/4	212.47	1/4	403.61	1/4	597.01	1/4	790.81	1/4	984.61	1/4	1,178.41	1/4	1,372.21	1/4	1,566.01	1/4	1,759.81
1/2	27.53	1/2	216.51	1/2	407.61	1/2	601.05	1/2	794.85	1/2	988.65	1/2	1,182.45	1/2	1,376.25	1/2	1,570.05	1/2	1,763.85
3/4	31.10	3/4	220.55	3/4	411.61	3/4	605.09	3/4	798.89	3/4	992.69	3/4	1,186.49	3/4	1,380.29	3/4	1,574.09	3/4	1,767.89
2	34.66	2	224.58	2	415.61	2	609.13	2	802.93	2	996.73	2	1,190.53	2	1,384.33	2	1,578.13	2	1,771.93
1/4	38.51	1/4	228.62	1/4	419.61	1/4	613.16	1/4	806.96	1/4	1,000.76	1/4	1,194.56	1/4	1,388.36	1/4	1,582.16	1/4	1,775.96
1/2	42.35	1/2	232.65	1/2	423.61	1/2	617.20	1/2	811.00	1/2	1,004.80	1/2	1,198.60	1/2	1,392.40	1/2	1,586.20	1/2	1,780.00
3/4	46.19	3/4	236.68	3/4	427.61	3/4	621.24	3/4	815.04	3/4	1,008.84	3/4	1,202.64	3/4	1,396.44	3/4	1,590.24	3/4	1,784.04
3	50.03	3	240.71	3	431.61	3	625.28	3	819.08	3	1,012.88	3	1,206.68	3	1,400.48	3	1,594.28	3	1,788.08
1/4	53.89	1/4	244.70	1/4	435.61	1/4	629.31	1/4	823.11	1/4	1,016.91	1/4	1,210.71	1/4	1,404.51	1/4	1,598.31	1/4	1,792.11
1/2	57.76	1/2	248.70	1/2	439.62	1/2	633.35	1/2	827.15	1/2	1,020.95	1/2	1,214.75	1/2	1,408.55	1/2	1,602.35	1/2	1,796.15
3/4	61.62	3/4	252.69	3/4	443.62	3/4	637.39	3/4	831.19	3/4	1,024.99	3/4	1,218.79	3/4	1,412.59	3/4	1,606.39	3/4	1,800.19
4	65.48	4	256.68	4	447.63	4	641.43	4	835.23	4	1,029.03	4	1,222.83	4	1,416.63	4	1,610.43	4	1,804.23
1/4	69.36	1/4	260.62	1/4	451.66	1/4	645.46	1/4	839.26	1/4	1,033.06	1/4	1,226.86	1/4	1,420.66	1/4	1,614.46	1/4	1,808.26
1/2	73.23	1/2	264.56	1/2	455.70	1/2	649.50	1/2	843.30	1/2	1,037.10	1/2	1,230.90	1/2	1,424.70	1/2	1,618.50	1/2	1,812.30
3/4	77.11	3/4	268.50	3/4	459.74	3/4	653.54	3/4	847.34	3/4	1,041.14	3/4	1,234.94	3/4	1,428.74	3/4	1,622.54	3/4	1,816.34
5	80.98	5	272.44	5	463.78	5	657.58	5	851.38	5	1,045.18	5	1,238.98	5	1,432.78	5	1,626.58	5	1,820.38
1/4	84.86	1/4	276.38	1/4	467.81	1/4	661.61	1/4	855.41	1/4	1,049.21	1/4	1,243.01	1/4	1,436.81	1/4	1,630.61	1/4	1,824.41
1/2	88.75	1/2	280.31	1/2	471.85	1/2	665.65	1/2	859.45	1/2	1,053.25	1/2	1,247.05	1/2	1,440.85	1/2	1,634.65	1/2	1,828.45
3/4	92.63	3/4	284.25	3/4	475.89	3/4	669.69	3/4	863.49	3/4	1,057.29	3/4	1,251.09	3/4	1,444.89	3/4	1,638.69	3/4	1,832.49
6	96.51	6	288.19	6	479.93	6	673.73	6	867.53	6	1,061.33	6	1,255.13	6	1,448.93	6	1,642.73	6	1,836.53
1/4	100.40	1/4	292.14	1/4	483.96	1/4	677.76	1/4	871.56	1/4	1,065.36	1/4	1,259.16	1/4	1,452.96	1/4	1,646.76	1/4	1,840.56
1/2	104.28	1/2	296.08	1/2	488.00	1/2	681.80	1/2	875.60	1/2	1,069.40	1/2	1,263.20	1/2	1,457.00	1/2	1,650.80	1/2	1,844.60
3/4	108.17	3/4	300.02	3/4	492.04	3/4	685.84	3/4	879.64	3/4	1,073.44	3/4	1,267.24	3/4	1,461.04	3/4	1,654.84	3/4	1,848.64
7	112.06	7	303.96	7	496.08	7	689.88	7	883.68	7	1,077.48	7	1,271.28	7	1,465.08	7	1,658.88	7	1,852.68
1/4	115.97	1/4	307.93	1/4	500.11	1/4	693.91	1/4	887.71	1/4	1,081.51	1/4	1,275.31	1/4	1,469.11	1/4	1,662.91	1/4	1,856.71
1/2	119.87	1/2	311.89	1/2	504.15	1/2	697.95	1/2	891.75	1/2	1,085.55	1/2	1,279.35	1/2	1,473.15	1/2	1,666.95	1/2	1,860.75
3/4	123.78	3/4	315.85	3/4	508.19	3/4	701.99	3/4	895.79	3/4	1,089.59	3/4	1,283.39	3/4	1,477.19	3/4	1,670.99	3/4	1,864.79
8	127.69	8	319.82	8	512.23	8	706.03	8	899.83	8	1,093.63	8	1,287.43	8	1,481.23	8	1,675.03	8	1,868.83
1/4	131.73	1/4	323.80	1/4	516.26	1/4	710.06	1/4	903.86	1/4	1,097.66	1/4	1,291.46	1/4	1,485.26	1/4	1,679.06	1/4	1,872.86
1/2	135.76	1/2	327.78	1/2	520.30	1/2	714.10	1/2	907.90	1/2	1,101.70	1/2	1,295.50	1/2	1,489.30	1/2	1,683.10	1/2	1,876.90
3/4	139.80	3/4	331.76	3/4	524.34	3/4	718.14	3/4	911.94	3/4	1,105.74	3/4	1,299.54	3/4	1,493.34	3/4	1,687.14	3/4	1,880.94
9	143.84	9	335.75	9	528.38	9	722.18	9	915.98	9	1,109.78	9	1,303.58	9	1,497.38	9	1,691.18	9	1,884.98
1/4	147.87	1/4	339.73	1/4	532.41	1/4	726.21	1/4	920.01	1/4	1,113.81	1/4	1,307.61	1/4	1,501.41	1/4	1,695.21	1/4	1,889.01
1/2	151.91	1/2	343.71	1/2	536.45	1/2	730.25	1/2	924.05	1/2	1,117.85	1/2	1,311.65	1/2	1,505.45	1/2	1,699.25	1/2	1,893.05
3/4	155.95	3/4	347.69	3/4	540.49	3/4	734.29	3/4	928.09	3/4	1,121.89	3/4	1,315.69	3/4	1,509.49	3/4	1,703.29	3/4	1,897.09
10	159.99	10	351.68	10	544.53	10	738.33	10	932.13	10	1,125.93	10	1,319.73	10	1,513.53	10	1,707.33	10	1,901.13
1/4	164.02	1/4	355.66	1/4	548.56	1/4	742.36	1/4	936.16	1/4	1,129.96	1/4	1,323.76	1/4	1,517.56	1/4	1,711.36	1/4	1,905.16
1/2	168.06	1/2	359.64	1/2	552.60	1/2	746.40	1/2	940.20	1/2	1,134.00	1/2	1,327.80	1/2	1,521.60	1/2	1,715.40	1/2	1,909.20
3/4	172.10	3/4	363.63	3/4	556.64	3/4	750.44	3/4	944.24	3/4	1,138.04	3/4	1,331.84	3/4	1,525.64	3/4	1,719.44	3/4	1,913.24
11	176.14	11	367.61	11	560.68	11	754.48	11	948.28	11	1,142.08	11	1,335.88	11	1,529.68	11	1,723.48	11	1,917.28
1/4	180.17	1/4	371.61	1/4	564.71	1/4	758.51	1/4	952.31	1/4	1,146.11	1/4	1,339.91	1/4	1,533.71	1/4	1,727.51	1/4	1,921.31
1/2	184.21	1/2	375.61	1/2	568.75	1/2	762.55	1/2	956.35	1/2	1,150.15	1/2	1,343.95	1/2	1,537.75	1/2	1,731.55	1/2	1,925.35
3/4	188.25	3/4	379.61	3/4	572.79	3/4	766.59	3/4	960.39	3/4	1,154.19	3/4	1,347.99	3/4	1,541.79	3/4	1,735.59	3/4	1,929.39

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 INNAGE GAUGES TAKEN AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "BUFFALO 400"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

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	1,933.43	0	2,127.23	0	2,318.91	0		0		0		0		0		0		0	
1/4	1,937.46	1/4	2,131.25	1/4	2,322.90	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,941.50	1/2	2,135.28	1/2	2,326.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,945.54	3/4	2,139.31	3/4	2,330.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,949.58	1	2,143.34	1	2,334.86	1		1		1		1		1		1		1	
1/4	1,953.61	1/4	2,147.35	1/4	2,338.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,957.65	1/2	2,151.36	1/2	2,342.84	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,961.69	3/4	2,155.37	3/4	2,346.83	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,965.73	2	2,159.38	2	2,350.81	2		2		2		2		2		2		2	
1/4	1,969.76	1/4	2,163.37	1/4	2,354.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,973.80	1/2	2,167.36	1/2	2,358.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,977.84	3/4	2,171.35	3/4	2,362.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	1,981.88	3	2,175.33	3	2,366.77	3		3		3		3		3		3		3	
1/4	1,985.91	1/4	2,179.32	1/4	2,370.75	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,989.95	1/2	2,183.31	1/2	2,374.74	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,993.99	3/4	2,187.30	3/4	2,378.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	1,998.03	4	2,191.29	4	2,382.72	4		4		4		4		4		4		4	
1/4	2,002.06	1/4	2,195.27	1/4	2,386.70	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,006.10	1/2	2,199.26	1/2	2,390.69	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,010.14	3/4	2,203.25	3/4	2,394.67	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,014.18	5	2,207.24	5	2,398.66	5		5		5		5		5		5		5	
1/4	2,018.21	1/4	2,211.23	1/4	2,402.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,022.25	1/2	2,215.22	1/2	2,406.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,026.29	3/4	2,219.20	3/4	2,410.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,030.33	6	2,223.19	6	2,414.59	6		6		6		6		6		6		6	
1/4	2,034.36	1/4	2,227.18	1/4	2,418.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,038.40	1/2	2,231.17	1/2	2,422.54	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,042.44	3/4	2,235.16	3/4	2,426.52	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,046.48	7	2,239.14	7	2,430.50	7		7		7		7		7		7		7	
1/4	2,050.51	1/4	2,243.13	1/4	2,434.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,054.55	1/2	2,247.12	1/2	2,438.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,058.59	3/4	2,251.11	3/4	2,442.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,062.63	8	2,255.10	8	2,446.34	8		8		8		8		8		8		8	
1/4	2,066.66	1/4	2,259.09	1/4	2,450.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,070.70	1/2	2,263.07	1/2	2,454.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,074.74	3/4	2,267.06	3/4	2,458.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,078.78	9	2,271.05	9	2,461.92	9		9		9		9		9		9		9	
1/4	2,082.81	1/4	2,275.04	1/4	2,465.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,086.85	1/2	2,279.03	1/2	2,469.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,090.89	3/4	2,283.01	3/4	2,472.88	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,094.93	10	2,287.00	10	2,476.54	10		10		10		10		10		10		10	
1/4	2,098.96	1/4	2,290.99	1/4	2,479.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,103.00	1/2	2,294.98	1/2	2,482.10	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,107.04	3/4	2,298.97	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,111.08	11	2,302.96	11		11		11		11		11		11		11		11	
1/4	2,115.11	1/4	2,306.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,119.15	1/2	2,310.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,123.19	3/4	2,314.92	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: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
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BARGE "BUFFALO 400"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	2,302.96	0	2,111.07	0	1,917.27	0	1,723.47	0	1,529.67	0	1,335.87
1/4		1/4		1/4		1/4		1/4	2,298.97	1/4	2,107.04	1/4	1,913.24	1/4	1,719.44	1/4	1,525.64	1/4	1,331.84
1/2		1/2		1/2		1/2	2,482.10	1/2	2,294.98	1/2	2,103.00	1/2	1,909.20	1/2	1,715.40	1/2	1,521.60	1/2	1,327.80
3/4		3/4		3/4		3/4	2,479.32	3/4	2,290.99	3/4	2,098.96	3/4	1,905.16	3/4	1,711.36	3/4	1,517.56	3/4	1,323.76
1		1		1		1	2,476.54	1	2,287.00	1	2,094.92	1	1,901.12	1	1,707.32	1	1,513.52	1	1,319.72
1/4		1/4		1/4		1/4	2,472.88	1/4	2,283.01	1/4	2,090.89	1/4	1,897.09	1/4	1,703.29	1/4	1,509.49	1/4	1,315.69
1/2		1/2		1/2		1/2	2,469.23	1/2	2,279.03	1/2	2,086.85	1/2	1,893.05	1/2	1,699.25	1/2	1,505.45	1/2	1,311.65
3/4		3/4		3/4		3/4	2,465.58	3/4	2,275.04	3/4	2,082.81	3/4	1,889.01	3/4	1,695.21	3/4	1,501.41	3/4	1,307.61
2		2		2		2	2,461.92	2	2,271.05	2	2,078.77	2	1,884.97	2	1,691.17	2	1,497.37	2	1,303.57
1/4		1/4		1/4		1/4	2,458.03	1/4	2,267.06	1/4	2,074.74	1/4	1,880.94	1/4	1,687.14	1/4	1,493.34	1/4	1,299.54
1/2		1/2		1/2		1/2	2,454.13	1/2	2,263.07	1/2	2,070.70	1/2	1,876.90	1/2	1,683.10	1/2	1,489.30	1/2	1,295.50
3/4		3/4		3/4		3/4	2,450.23	3/4	2,259.09	3/4	2,066.66	3/4	1,872.86	3/4	1,679.06	3/4	1,485.26	3/4	1,291.46
3		3		3		3	2,446.34	3	2,255.10	3	2,062.62	3	1,868.82	3	1,675.02	3	1,481.22	3	1,287.42
1/4		1/4		1/4		1/4	2,442.38	1/4	2,251.11	1/4	2,058.59	1/4	1,864.79	1/4	1,670.99	1/4	1,477.19	1/4	1,283.39
1/2		1/2		1/2		1/2	2,438.42	1/2	2,247.12	1/2	2,054.55	1/2	1,860.75	1/2	1,666.95	1/2	1,473.15	1/2	1,279.35
3/4		3/4		3/4		3/4	2,434.46	3/4	2,243.13	3/4	2,050.51	3/4	1,856.71	3/4	1,662.91	3/4	1,469.11	3/4	1,275.31
4		4		4		4	2,430.49	4	2,239.14	4	2,046.47	4	1,852.67	4	1,658.87	4	1,465.07	4	1,271.27
1/4		1/4		1/4		1/4	2,426.52	1/4	2,235.16	1/4	2,042.44	1/4	1,848.64	1/4	1,654.84	1/4	1,461.04	1/4	1,267.24
1/2		1/2		1/2		1/2	2,422.54	1/2	2,231.17	1/2	2,038.40	1/2	1,844.60	1/2	1,650.80	1/2	1,457.00	1/2	1,263.20
3/4		3/4		3/4		3/4	2,418.57	3/4	2,227.18	3/4	2,034.36	3/4	1,840.56	3/4	1,646.76	3/4	1,452.96	3/4	1,259.16
5		5		5		5	2,414.59	5	2,223.19	5	2,030.32	5	1,836.52	5	1,642.72	5	1,448.92	5	1,255.12
1/4		1/4		1/4		1/4	2,410.61	1/4	2,219.20	1/4	2,026.29	1/4	1,832.49	1/4	1,638.69	1/4	1,444.89	1/4	1,251.09
1/2		1/2		1/2		1/2	2,406.63	1/2	2,215.21	1/2	2,022.25	1/2	1,828.45	1/2	1,634.65	1/2	1,440.85	1/2	1,247.05
3/4		3/4		3/4		3/4	2,402.64	3/4	2,211.23	3/4	2,018.21	3/4	1,824.41	3/4	1,630.61	3/4	1,436.81	3/4	1,243.01
6		6		6		6	2,398.66	6	2,207.24	6	2,014.17	6	1,820.37	6	1,626.57	6	1,432.77	6	1,238.97
1/4		1/4		1/4		1/4	2,394.67	1/4	2,203.25	1/4	2,010.14	1/4	1,816.34	1/4	1,622.54	1/4	1,428.74	1/4	1,234.94
1/2		1/2		1/2		1/2	2,390.69	1/2	2,199.26	1/2	2,006.10	1/2	1,812.30	1/2	1,618.50	1/2	1,424.70	1/2	1,230.90
3/4		3/4		3/4		3/4	2,386.70	3/4	2,195.27	3/4	2,002.06	3/4	1,808.26	3/4	1,614.46	3/4	1,420.66	3/4	1,226.86
7		7		7		7	2,382.72	7	2,191.29	7	1,998.02	7	1,804.22	7	1,610.42	7	1,416.62	7	1,222.82
1/4		1/4		1/4		1/4	2,378.73	1/4	2,187.30	1/4	1,993.99	1/4	1,800.19	1/4	1,606.39	1/4	1,412.59	1/4	1,218.79
1/2		1/2		1/2		1/2	2,374.74	1/2	2,183.31	1/2	1,989.95	1/2	1,796.15	1/2	1,602.35	1/2	1,408.55	1/2	1,214.75
3/4		3/4		3/4		3/4	2,370.75	3/4	2,179.32	3/4	1,985.91	3/4	1,792.11	3/4	1,598.31	3/4	1,404.51	3/4	1,210.71
8		8		8		8	2,366.77	8	2,175.33	8	1,981.87	8	1,788.07	8	1,594.27	8	1,400.47	8	1,206.67
1/4		1/4		1/4		1/4	2,362.78	1/4	2,171.34	1/4	1,977.84	1/4	1,784.04	1/4	1,590.24	1/4	1,396.44	1/4	1,202.64
1/2		1/2		1/2		1/2	2,358.79	1/2	2,167.36	1/2	1,973.80	1/2	1,780.00	1/2	1,586.20	1/2	1,392.40	1/2	1,198.60
3/4		3/4		3/4		3/4	2,354.80	3/4	2,163.37	3/4	1,969.76	3/4	1,775.96	3/4	1,582.16	3/4	1,388.36	3/4	1,194.56
9		9		9		9	2,350.81	9	2,159.38	9	1,965.72	9	1,771.92	9	1,578.12	9	1,384.32	9	1,190.52
1/4		1/4		1/4		1/4	2,346.83	1/4	2,155.37	1/4	1,961.69	1/4	1,767.89	1/4	1,574.09	1/4	1,380.29	1/4	1,186.49
1/2		1/2		1/2		1/2	2,342.84	1/2	2,151.36	1/2	1,957.65	1/2	1,763.85	1/2	1,570.05	1/2	1,376.25	1/2	1,182.45
3/4		3/4		3/4		3/4	2,338.85	3/4	2,147.35	3/4	1,953.61	3/4	1,759.81	3/4	1,566.01	3/4	1,372.21	3/4	1,178.41
10		10		10		10	2,334.86	10	2,143.34	10	1,949.57	10	1,755.77	10	1,561.97	10	1,368.17	10	1,174.37
1/4		1/4		1/4		1/4	2,330.87	1/4	2,139.31	1/4	1,945.54	1/4	1,751.74	1/4	1,557.94	1/4	1,364.14	1/4	1,170.34
1/2		1/2		1/2		1/2	2,326.88	1/2	2,135.28	1/2	1,941.50	1/2	1,747.70	1/2	1,553.90	1/2	1,360.10	1/2	1,166.30
3/4		3/4		3/4		3/4	2,322.90	3/4	2,131.25	3/4	1,937.46	3/4	1,743.66	3/4	1,549.86	3/4	1,356.06	3/4	1,162.26
11		11		11		11	2,318.91	11	2,127.22	11	1,933.42	11	1,739.62	11	1,545.82	11	1,352.02	11	1,158.22
1/4		1/4		1/4		1/4	2,314.92	1/4	2,123.19	1/4	1,929.39	1/4	1,735.59	1/4	1,541.79	1/4	1,347.99	1/4	1,154.19
1/2		1/2		1/2		1/2	2,310.93	1/2	2,119.15	1/2	1,925.35	1/2	1,731.55	1/2	1,537.75	1/2	1,343.95	1/2	1,150.15
3/4		3/4		3/4		3/4	2,306.94	3/4	2,115.11	3/4	1,921.31	3/4	1,727.51	3/4	1,533.71	3/4	1,339.91	3/4	1,146.11

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 AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "BUFFALO 400"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

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	1,142.07	0	948.27	0	754.47	0	560.67	0	367.61	0	176.13	0		0		0		0	
1/4	1,138.04	1/4	944.24	1/4	750.44	1/4	556.64	1/4	363.63	1/4	172.10	1/4		1/4		1/4		1/4	
1/2	1,134.00	1/2	940.20	1/2	746.40	1/2	552.60	1/2	359.64	1/2	168.06	1/2		1/2		1/2		1/2	
3/4	1,129.96	3/4	936.16	3/4	742.36	3/4	548.56	3/4	355.66	3/4	164.02	3/4		3/4		3/4		3/4	
1	1,125.92	1	932.12	1	738.32	1	544.52	1	351.67	1	159.99	1		1		1		1	
1/4	1,121.89	1/4	928.09	1/4	734.29	1/4	540.49	1/4	347.69	1/4	155.95	1/4		1/4		1/4		1/4	
1/2	1,117.85	1/2	924.05	1/2	730.25	1/2	536.45	1/2	343.71	1/2	151.91	1/2		1/2		1/2		1/2	
3/4	1,113.81	3/4	920.01	3/4	726.21	3/4	532.41	3/4	339.73	3/4	147.87	3/4		3/4		3/4		3/4	
2	1,109.77	2	915.97	2	722.17	2	528.37	2	335.75	2	143.84	2		2		2		2	
1/4	1,105.74	1/4	911.94	1/4	718.14	1/4	524.34	1/4	331.76	1/4	139.80	1/4		1/4		1/4		1/4	
1/2	1,101.70	1/2	907.90	1/2	714.10	1/2	520.30	1/2	327.78	1/2	135.76	1/2		1/2		1/2		1/2	
3/4	1,097.66	3/4	903.86	3/4	710.06	3/4	516.26	3/4	323.80	3/4	131.72	3/4		3/4		3/4		3/4	
3	1,093.62	3	899.82	3	706.02	3	512.22	3	319.82	3	127.69	3		3		3		3	
1/4	1,089.59	1/4	895.79	1/4	701.99	1/4	508.19	1/4	315.85	1/4	123.78	1/4		1/4		1/4		1/4	
1/2	1,085.55	1/2	891.75	1/2	697.95	1/2	504.15	1/2	311.89	1/2	119.87	1/2		1/2		1/2		1/2	
3/4	1,081.51	3/4	887.71	3/4	693.91	3/4	500.11	3/4	307.92	3/4	115.96	3/4		3/4		3/4		3/4	
4	1,077.47	4	883.67	4	689.87	4	496.07	4	303.96	4	112.06	4		4		4		4	
1/4	1,073.44	1/4	879.64	1/4	685.84	1/4	492.04	1/4	300.02	1/4	108.17	1/4		1/4		1/4		1/4	
1/2	1,069.40	1/2	875.60	1/2	681.80	1/2	488.00	1/2	296.08	1/2	104.28	1/2		1/2		1/2		1/2	
3/4	1,065.36	3/4	871.56	3/4	677.76	3/4	483.96	3/4	292.13	3/4	100.40	3/4		3/4		3/4		3/4	
5	1,061.32	5	867.52	5	673.72	5	479.92	5	288.19	5	96.51	5		5		5		5	
1/4	1,057.29	1/4	863.49	1/4	669.69	1/4	475.89	1/4	284.25	1/4	92.63	1/4		1/4		1/4		1/4	
1/2	1,053.25	1/2	859.45	1/2	665.65	1/2	471.85	1/2	280.31	1/2	88.74	1/2		1/2		1/2		1/2	
3/4	1,049.21	3/4	855.41	3/4	661.61	3/4	467.81	3/4	276.37	3/4	84.86	3/4		3/4		3/4		3/4	
6	1,045.17	6	851.37	6	657.57	6	463.77	6	272.44	6	80.98	6		6		6		6	
1/4	1,041.14	1/4	847.34	1/4	653.54	1/4	459.74	1/4	268.50	1/4	77.10	1/4		1/4		1/4		1/4	
1/2	1,037.10	1/2	843.30	1/2	649.50	1/2	455.70	1/2	264.56	1/2	73.23	1/2		1/2		1/2		1/2	
3/4	1,033.06	3/4	839.26	3/4	645.46	3/4	451.66	3/4	260.62	3/4	69.36	3/4		3/4		3/4		3/4	
7	1,029.02	7	835.22	7	641.42	7	447.62	7	256.68	7	65.48	7		7		7		7	
1/4	1,024.99	1/4	831.19	1/4	637.39	1/4	443.62	1/4	252.69	1/4	61.62	1/4		1/4		1/4		1/4	
1/2	1,020.95	1/2	827.15	1/2	633.35	1/2	439.62	1/2	248.69	1/2	57.76	1/2		1/2		1/2		1/2	
3/4	1,016.91	3/4	823.11	3/4	629.31	3/4	435.61	3/4	244.70	3/4	53.89	3/4		3/4		3/4		3/4	
8	1,012.87	8	819.07	8	625.27	8	431.61	8	240.71	8	50.03	8		8		8		8	
1/4	1,008.84	1/4	815.04	1/4	621.24	1/4	427.61	1/4	236.68	1/4	46.19	1/4		1/4		1/4		1/4	
1/2	1,004.80	1/2	811.00	1/2	617.20	1/2	423.61	1/2	232.65	1/2	42.35	1/2		1/2		1/2		1/2	
3/4	1,000.76	3/4	806.96	3/4	613.16	3/4	419.61	3/4	228.61	3/4	38.50	3/4		3/4		3/4		3/4	
9	996.72	9	802.92	9	609.12	9	415.61	9	224.58	9	34.66	9		9		9		9	
1/4	992.69	1/4	798.89	1/4	605.09	1/4	411.61	1/4	220.55	1/4	31.09	1/4		1/4		1/4		1/4	
1/2	988.65	1/2	794.85	1/2	601.05	1/2	407.61	1/2	216.51	1/2	27.53	1/2		1/2		1/2		1/2	
3/4	984.61	3/4	790.81	3/4	597.01	3/4	403.61	3/4	212.47	3/4	23.96	3/4		3/4		3/4		3/4	
10	980.57	10	786.77	10	592.97	10	399.61	10	208.43	10	20.39	10		10		10		10	
1/4	976.54	1/4	782.74	1/4	588.94	1/4	395.61	1/4	204.40	1/4	17.74	1/4		1/4		1/4		1/4	
1/2	972.50	1/2	778.70	1/2	584.90	1/2	391.61	1/2	200.36	1/2	15.09	1/2		1/2		1/2		1/2	
3/4	968.46	3/4	774.66	3/4	580.86	3/4	387.61	3/4	196.32	3/4	12.44	3/4		3/4		3/4		3/4	
11	964.42	11	770.62	11	576.82	11	383.61	11	192.28	11	9.79	11		11		11		11	
1/4	960.39	1/4	766.59	1/4	572.79	1/4	379.61	1/4	188.25	1/4		1/4		1/4		1/4		1/4	
1/2	956.35	1/2	762.55	1/2	568.75	1/2	375.61	1/2	184.21	1/2		1/2		1/2		1/2		1/2	
3/4	952.31	3/4	758.51	3/4	564.71	3/4	371.61	3/4	180.17	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
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BARGE "BUFFALO 400"

4 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

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	11.10	0	219.14	0	433.85	0	652.09	0	873.02	0	1,093.95	0	1,314.88	0	1,534.77	0	1,755.70	0	1,976.63
1/4	14.12	1/4	223.74	1/4	438.28	1/4	656.69	1/4	877.62	1/4	1,098.55	1/4	1,319.47	1/4	1,539.37	1/4	1,760.30	1/4	1,981.23
1/2	17.14	1/2	228.34	1/2	442.71	1/2	661.29	1/2	882.22	1/2	1,103.15	1/2	1,324.07	1/2	1,543.97	1/2	1,764.90	1/2	1,985.83
3/4	20.16	3/4	232.94	3/4	447.14	3/4	665.89	3/4	886.82	3/4	1,107.75	3/4	1,328.66	3/4	1,548.58	3/4	1,769.51	3/4	1,990.44
1	23.18	1	237.55	1	451.57	1	670.50	1	891.43	1	1,112.36	1	1,333.26	1	1,553.18	1	1,774.11	1	1,995.04
1/4	27.25	1/4	242.15	1/4	456.00	1/4	675.10	1/4	896.03	1/4	1,116.96	1/4	1,337.80	1/4	1,557.78	1/4	1,778.71	1/4	1,999.64
1/2	31.32	1/2	246.75	1/2	460.43	1/2	679.70	1/2	900.63	1/2	1,121.56	1/2	1,342.33	1/2	1,562.39	1/2	1,783.31	1/2	2,004.24
3/4	35.39	3/4	251.35	3/4	464.86	3/4	684.31	3/4	905.24	3/4	1,126.16	3/4	1,346.87	3/4	1,566.99	3/4	1,787.92	3/4	2,008.85
2	39.45	2	255.96	2	469.28	2	688.91	2	909.84	2	1,130.77	2	1,351.41	2	1,571.59	2	1,792.52	2	2,013.45
1/4	43.83	1/4	260.56	1/4	473.71	1/4	693.51	1/4	914.44	1/4	1,135.37	1/4	1,355.95	1/4	1,576.19	1/4	1,797.12	1/4	2,018.05
1/2	48.21	1/2	265.16	1/2	478.14	1/2	698.11	1/2	919.04	1/2	1,139.97	1/2	1,360.48	1/2	1,580.80	1/2	1,801.73	1/2	2,022.66
3/4	52.59	3/4	269.76	3/4	482.57	3/4	702.72	3/4	923.65	3/4	1,144.58	3/4	1,365.02	3/4	1,585.40	3/4	1,806.33	3/4	2,027.26
3	56.97	3	274.36	3	487.00	3	707.32	3	928.25	3	1,149.18	3	1,369.56	3	1,590.00	3	1,810.93	3	2,031.86
1/4	61.37	1/4	278.92	1/4	491.45	1/4	711.92	1/4	932.85	1/4	1,153.78	1/4	1,374.10	1/4	1,594.60	1/4	1,815.53	1/4	2,036.46
1/2	65.78	1/2	283.48	1/2	495.90	1/2	716.52	1/2	937.45	1/2	1,158.38	1/2	1,378.64	1/2	1,599.21	1/2	1,820.14	1/2	2,041.07
3/4	70.18	3/4	288.05	3/4	500.35	3/4	721.13	3/4	942.06	3/4	1,162.99	3/4	1,383.17	3/4	1,603.81	3/4	1,824.74	3/4	2,045.67
4	74.58	4	292.61	4	504.80	4	725.73	4	946.66	4	1,167.59	4	1,387.71	4	1,608.41	4	1,829.34	4	2,050.27
1/4	79.00	1/4	297.02	1/4	509.40	1/4	730.33	1/4	951.26	1/4	1,172.19	1/4	1,392.26	1/4	1,613.01	1/4	1,833.94	1/4	2,054.87
1/2	83.42	1/2	301.43	1/2	514.01	1/2	734.94	1/2	955.86	1/2	1,176.79	1/2	1,396.80	1/2	1,617.62	1/2	1,838.55	1/2	2,059.48
3/4	87.83	3/4	305.85	3/4	518.61	3/4	739.54	3/4	960.47	3/4	1,181.40	3/4	1,401.35	3/4	1,622.22	3/4	1,843.15	3/4	2,064.08
5	92.25	5	310.26	5	523.21	5	744.14	5	965.07	5	1,186.00	5	1,405.89	5	1,626.82	5	1,847.75	5	2,068.68
1/4	96.68	1/4	314.67	1/4	527.81	1/4	748.74	1/4	969.67	1/4	1,190.60	1/4	1,410.50	1/4	1,631.43	1/4	1,852.36	1/4	2,073.28
1/2	101.10	1/2	319.08	1/2	532.42	1/2	753.35	1/2	974.28	1/2	1,195.21	1/2	1,415.10	1/2	1,636.03	1/2	1,856.96	1/2	2,077.89
3/4	105.53	3/4	323.49	3/4	537.02	3/4	757.95	3/4	978.88	3/4	1,199.81	3/4	1,419.70	3/4	1,640.63	3/4	1,861.56	3/4	2,082.49
6	109.95	6	327.90	6	541.62	6	762.55	6	983.48	6	1,204.41	6	1,424.30	6	1,645.23	6	1,866.16	6	2,087.09
1/4	114.38	1/4	332.31	1/4	546.22	1/4	767.15	1/4	988.08	1/4	1,209.01	1/4	1,428.91	1/4	1,649.84	1/4	1,870.77	1/4	2,091.70
1/2	118.81	1/2	336.73	1/2	550.83	1/2	771.76	1/2	992.69	1/2	1,213.62	1/2	1,433.51	1/2	1,654.44	1/2	1,875.37	1/2	2,096.30
3/4	123.25	3/4	341.14	3/4	555.43	3/4	776.36	3/4	997.29	3/4	1,218.22	3/4	1,438.11	3/4	1,659.04	3/4	1,879.97	3/4	2,100.90
7	127.68	7	345.55	7	560.03	7	780.96	7	1,001.89	7	1,222.82	7	1,442.71	7	1,663.64	7	1,884.57	7	2,105.50
1/4	132.13	1/4	349.96	1/4	564.64	1/4	785.56	1/4	1,006.49	1/4	1,227.42	1/4	1,447.32	1/4	1,668.25	1/4	1,889.18	1/4	2,110.11
1/2	136.58	1/2	354.37	1/2	569.24	1/2	790.17	1/2	1,011.10	1/2	1,232.03	1/2	1,451.92	1/2	1,672.85	1/2	1,893.78	1/2	2,114.71
3/4	141.04	3/4	358.78	3/4	573.84	3/4	794.77	3/4	1,015.70	3/4	1,236.63	3/4	1,456.52	3/4	1,677.45	3/4	1,898.38	3/4	2,119.31
8	145.49	8	363.19	8	578.44	8	799.37	8	1,020.30	8	1,241.23	8	1,461.13	8	1,682.06	8	1,902.98	8	2,123.91
1/4	150.10	1/4	367.61	1/4	583.05	1/4	803.98	1/4	1,024.91	1/4	1,245.83	1/4	1,465.73	1/4	1,686.66	1/4	1,907.59	1/4	2,128.52
1/2	154.70	1/2	372.02	1/2	587.65	1/2	808.58	1/2	1,029.51	1/2	1,250.44	1/2	1,470.33	1/2	1,691.26	1/2	1,912.19	1/2	2,133.12
3/4	159.30	3/4	376.43	3/4	592.25	3/4	813.18	3/4	1,034.11	3/4	1,255.04	3/4	1,474.93	3/4	1,695.86	3/4	1,916.79	3/4	2,137.72
9	163.90	9	380.84	9	596.85	9	817.78	9	1,038.71	9	1,259.64	9	1,479.54	9	1,700.47	9	1,921.40	9	2,142.33
1/4	168.51	1/4	385.25	1/4	601.46	1/4	822.39	1/4	1,043.32	1/4	1,264.25	1/4	1,484.14	1/4	1,705.07	1/4	1,926.00	1/4	2,146.93
1/2	173.11	1/2	389.66	1/2	606.06	1/2	826.99	1/2	1,047.92	1/2	1,268.85	1/2	1,488.74	1/2	1,709.67	1/2	1,930.60	1/2	2,151.53
3/4	177.71	3/4	394.07	3/4	610.66	3/4	831.59	3/4	1,052.52	3/4	1,273.45	3/4	1,493.34	3/4	1,714.27	3/4	1,935.20	3/4	2,156.13
10	182.31	10	398.49	10	615.26	10	836.19	10	1,057.12	10	1,278.05	10	1,497.95	10	1,718.88	10	1,939.81	10	2,160.74
1/4	186.92	1/4	402.90	1/4	619.87	1/4	840.80	1/4	1,061.73	1/4	1,282.66	1/4	1,502.55	1/4	1,723.48	1/4	1,944.41	1/4	2,165.34
1/2	191.52	1/2	407.31	1/2	624.47	1/2	845.40	1/2	1,066.33	1/2	1,287.26	1/2	1,507.15	1/2	1,728.08	1/2	1,949.01	1/2	2,169.94
3/4	196.12	3/4	411.73	3/4	629.07	3/4	850.00	3/4	1,070.93	3/4	1,291.86	3/4	1,511.76	3/4	1,732.68	3/4	1,953.61	3/4	2,174.54
11	200.72	11	416.14	11	633.68	11	854.61	11	1,075.53	11	1,296.46	11	1,516.36	11	1,737.29	11	1,958.22	11	2,179.15
1/4	205.33	1/4	420.57	1/4	638.28	1/4	859.21	1/4	1,080.14	1/4	1,301.07	1/4	1,520.96	1/4	1,741.89	1/4	1,962.82	1/4	2,183.75
1/2	209.93	1/2	425.00	1/2	642.88	1/2	863.81	1/2	1,084.74	1/2	1,305.67	1/2	1,525.56	1/2	1,746.49	1/2	1,967.42	1/2	2,188.35
3/4	214.53	3/4	429.43	3/4	647.48	3/4	868.41	3/4	1,089.34	3/4	1,310.27	3/4	1,530.17	3/4	1,751.10	3/4	1,972.03	3/4	2,192.95

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 INNAGE GAUGES TAKEN AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "BUFFALO 400"

4 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

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	2,197.56	0	2,418.49	0	2,637.33	0		0		0		0		0		0		0	
1/4	2,202.16	1/4	2,423.09	1/4	2,641.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,206.76	1/2	2,427.69	1/2	2,646.43	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,211.37	3/4	2,432.29	3/4	2,650.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,215.97	1	2,436.89	1	2,655.54	1		1		1		1		1		1		1	
1/4	2,220.57	1/4	2,441.47	1/4	2,660.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,225.17	1/2	2,446.04	1/2	2,664.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,229.78	3/4	2,450.62	3/4	2,669.20	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,234.38	2	2,455.19	2	2,673.75	2		2		2		2		2		2		2	
1/4	2,238.98	1/4	2,459.75	1/4	2,678.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,243.58	1/2	2,464.30	1/2	2,682.86	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,248.19	3/4	2,468.85	3/4	2,687.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,252.79	3	2,473.41	3	2,691.97	3		3		3		3		3		3		3	
1/4	2,257.39	1/4	2,477.96	1/4	2,696.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,262.00	1/2	2,482.51	1/2	2,701.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,266.60	3/4	2,487.07	3/4	2,705.63	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,271.20	4	2,491.62	4	2,710.18	4		4		4		4		4		4		4	
1/4	2,275.80	1/4	2,496.17	1/4	2,714.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,280.41	1/2	2,500.73	1/2	2,719.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,285.01	3/4	2,505.28	3/4	2,723.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,289.61	5	2,509.83	5	2,728.39	5		5		5		5		5		5		5	
1/4	2,294.21	1/4	2,514.39	1/4	2,732.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,298.82	1/2	2,518.94	1/2	2,737.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,303.42	3/4	2,523.49	3/4	2,742.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,308.02	6	2,528.05	6	2,746.58	6		6		6		6		6		6		6	
1/4	2,312.63	1/4	2,532.60	1/4	2,751.12	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,317.23	1/2	2,537.15	1/2	2,755.66	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,321.83	3/4	2,541.71	3/4	2,760.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,326.43	7	2,546.26	7	2,764.73	7		7		7		7		7		7		7	
1/4	2,331.04	1/4	2,550.81	1/4	2,769.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,335.64	1/2	2,555.37	1/2	2,773.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,340.24	3/4	2,559.92	3/4	2,778.30	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,344.84	8	2,564.47	8	2,782.82	8		8		8		8		8		8		8	
1/4	2,349.45	1/4	2,569.03	1/4	2,787.28	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,354.05	1/2	2,573.58	1/2	2,791.73	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,358.65	3/4	2,578.13	3/4	2,796.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,363.25	9	2,582.69	9	2,800.64	9		9		9		9		9		9		9	
1/4	2,367.86	1/4	2,587.24	1/4	2,804.82	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,372.46	1/2	2,591.79	1/2	2,809.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,377.06	3/4	2,596.35	3/4	2,813.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,381.67	10	2,600.90	10	2,817.37	10		10		10		10		10		10		10	
1/4	2,386.27	1/4	2,605.45	1/4	2,820.56	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,390.87	1/2	2,610.01	1/2	2,823.74	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,395.47	3/4	2,614.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,400.08	11	2,619.11	11		11		11		11		11		11		11		11	
1/4	2,404.68	1/4	2,623.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,409.28	1/2	2,628.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,413.88	3/4	2,632.77	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: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

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BARGE "BUFFALO 400"

4 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	2,619.11	0	2,400.07	0	2,179.14	0	1,958.21	0	1,737.28	0	1,516.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,614.56	1/4	2,395.47	1/4	2,174.54	1/4	1,953.61	1/4	1,732.68	1/4	1,511.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,823.74	1/2	2,610.00	1/2	2,390.87	1/2	2,169.94	1/2	1,949.01	1/2	1,728.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,820.55	3/4	2,605.45	3/4	2,386.26	3/4	2,165.33	3/4	1,944.40	3/4	1,723.48
1		1		1		1		1	2,817.36	1	2,600.90	1	2,381.66	1	2,160.73	1	1,939.80	1	1,718.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,813.18	1/4	2,596.34	1/4	2,377.06	1/4	2,156.13	1/4	1,935.20	1/4	1,714.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,809.00	1/2	2,591.79	1/2	2,372.46	1/2	2,151.53	1/2	1,930.60	1/2	1,709.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,804.82	3/4	2,587.24	3/4	2,367.85	3/4	2,146.92	3/4	1,925.99	3/4	1,705.06
2		2		2		2		2	2,800.64	2	2,582.68	2	2,363.25	2	2,142.32	2	1,921.39	2	1,700.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,796.18	1/4	2,578.13	1/4	2,358.65	1/4	2,137.72	1/4	1,916.79	1/4	1,695.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,791.73	1/2	2,573.58	1/2	2,354.05	1/2	2,133.12	1/2	1,912.19	1/2	1,691.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,787.27	3/4	2,569.02	3/4	2,349.44	3/4	2,128.51	3/4	1,907.58	3/4	1,686.65
3		3		3		3		3	2,782.82	3	2,564.47	3	2,344.84	3	2,123.91	3	1,902.98	3	1,682.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,778.30	1/4	2,559.92	1/4	2,340.24	1/4	2,119.31	1/4	1,898.38	1/4	1,677.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,773.78	1/2	2,555.36	1/2	2,335.63	1/2	2,114.70	1/2	1,893.78	1/2	1,672.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,769.25	3/4	2,550.81	3/4	2,331.03	3/4	2,110.10	3/4	1,889.17	3/4	1,668.24
4		4		4		4		4	2,764.73	4	2,546.26	4	2,326.43	4	2,105.50	4	1,884.57	4	1,663.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,760.19	1/4	2,541.70	1/4	2,321.83	1/4	2,100.90	1/4	1,879.97	1/4	1,659.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,755.65	1/2	2,537.15	1/2	2,317.22	1/2	2,096.29	1/2	1,875.36	1/2	1,654.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,751.11	3/4	2,532.60	3/4	2,312.62	3/4	2,091.69	3/4	1,870.76	3/4	1,649.83
5		5		5		5		5	2,746.57	5	2,528.04	5	2,308.02	5	2,087.09	5	1,866.16	5	1,645.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,742.03	1/4	2,523.49	1/4	2,303.42	1/4	2,082.49	1/4	1,861.56	1/4	1,640.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,737.48	1/2	2,518.94	1/2	2,298.81	1/2	2,077.88	1/2	1,856.95	1/2	1,636.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,732.93	3/4	2,514.38	3/4	2,294.21	3/4	2,073.28	3/4	1,852.35	3/4	1,631.42
6		6		6		6		6	2,728.38	6	2,509.83	6	2,289.61	6	2,068.68	6	1,847.75	6	1,626.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,723.83	1/4	2,505.27	1/4	2,285.00	1/4	2,064.08	1/4	1,843.15	1/4	1,622.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,719.28	1/2	2,500.72	1/2	2,280.40	1/2	2,059.47	1/2	1,838.54	1/2	1,617.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,714.73	3/4	2,496.17	3/4	2,275.80	3/4	2,054.87	3/4	1,833.94	3/4	1,613.01
7		7		7		7		7	2,710.18	7	2,491.61	7	2,271.20	7	2,050.27	7	1,829.34	7	1,608.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,705.63	1/4	2,487.06	1/4	2,266.59	1/4	2,045.66	1/4	1,824.73	1/4	1,603.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,701.07	1/2	2,482.51	1/2	2,261.99	1/2	2,041.06	1/2	1,820.13	1/2	1,599.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,696.52	3/4	2,477.95	3/4	2,257.39	3/4	2,036.46	3/4	1,815.53	3/4	1,594.60
8		8		8		8		8	2,691.96	8	2,473.40	8	2,252.79	8	2,031.86	8	1,810.93	8	1,590.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,687.41	1/4	2,468.85	1/4	2,248.18	1/4	2,027.25	1/4	1,806.32	1/4	1,585.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,682.86	1/2	2,464.29	1/2	2,243.58	1/2	2,022.65	1/2	1,801.72	1/2	1,580.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,678.30	3/4	2,459.74	3/4	2,238.98	3/4	2,018.05	3/4	1,797.12	3/4	1,576.19
9		9		9		9		9	2,673.75	9	2,455.19	9	2,234.38	9	2,013.45	9	1,792.52	9	1,571.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,669.20	1/4	2,450.61	1/4	2,229.77	1/4	2,008.84	1/4	1,787.91	1/4	1,566.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,664.64	1/2	2,446.04	1/2	2,225.17	1/2	2,004.24	1/2	1,783.31	1/2	1,562.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,660.09	3/4	2,441.46	3/4	2,220.57	3/4	1,999.64	3/4	1,778.71	3/4	1,557.78
10		10		10		10		10	2,655.54	10	2,436.89	10	2,215.96	10	1,995.03	10	1,774.11	10	1,553.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,650.98	1/4	2,432.29	1/4	2,211.36	1/4	1,990.43	1/4	1,769.50	1/4	1,548.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,646.43	1/2	2,427.69	1/2	2,206.76	1/2	1,985.83	1/2	1,764.90	1/2	1,543.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,641.88	3/4	2,423.08	3/4	2,202.16	3/4	1,981.23	3/4	1,760.30	3/4	1,539.37
11		11		11		11		11	2,637.32	11	2,418.48	11	2,197.55	11	1,976.62	11	1,755.69	11	1,534.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,632.77	1/4	2,413.88	1/4	2,192.95	1/4	1,972.02	1/4	1,751.09	1/4	1,530.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,628.22	1/2	2,409.28	1/2	2,188.35	1/2	1,967.42	1/2	1,746.49	1/2	1,525.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,623.66	3/4	2,404.67	3/4	2,183.75	3/4	1,962.82	3/4	1,741.89	3/4	1,520.96

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.
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 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 8" DIAMETER STANDPIPE.
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BARGE "BUFFALO 400"

4 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

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	1,296.46	0	1,075.53	0	854.60	0	633.67	0	416.14	0	200.72	0		0		0		0	
1/4	1,291.86	1/4	1,070.93	1/4	850.00	1/4	629.07	1/4	411.72	1/4	196.12	1/4		1/4		1/4		1/4	
1/2	1,287.25	1/2	1,066.33	1/2	845.40	1/2	624.47	1/2	407.31	1/2	191.52	1/2		1/2		1/2		1/2	
3/4	1,282.65	3/4	1,061.72	3/4	840.79	3/4	619.86	3/4	402.90	3/4	186.91	3/4		3/4		3/4		3/4	
1	1,278.05	1	1,057.12	1	836.19	1	615.26	1	398.48	1	182.31	1		1		1		1	
1/4	1,273.45	1/4	1,052.52	1/4	831.59	1/4	610.66	1/4	394.07	1/4	177.71	1/4		1/4		1/4		1/4	
1/2	1,268.84	1/2	1,047.91	1/2	826.98	1/2	606.06	1/2	389.66	1/2	173.11	1/2		1/2		1/2		1/2	
3/4	1,264.24	3/4	1,043.31	3/4	822.38	3/4	601.45	3/4	385.25	3/4	168.50	3/4		3/4		3/4		3/4	
2	1,259.64	2	1,038.71	2	817.78	2	596.85	2	380.84	2	163.90	2		2		2		2	
1/4	1,255.04	1/4	1,034.11	1/4	813.18	1/4	592.25	1/4	376.42	1/4	159.30	1/4		1/4		1/4		1/4	
1/2	1,250.43	1/2	1,029.50	1/2	808.57	1/2	587.64	1/2	372.01	1/2	154.69	1/2		1/2		1/2		1/2	
3/4	1,245.83	3/4	1,024.90	3/4	803.97	3/4	583.04	3/4	367.60	3/4	150.09	3/4		3/4		3/4		3/4	
3	1,241.23	3	1,020.30	3	799.37	3	578.44	3	363.19	3	145.49	3		3		3		3	
1/4	1,236.63	1/4	1,015.70	1/4	794.77	1/4	573.84	1/4	358.78	1/4	141.04	1/4		1/4		1/4		1/4	
1/2	1,232.02	1/2	1,011.09	1/2	790.16	1/2	569.23	1/2	354.37	1/2	136.58	1/2		1/2		1/2		1/2	
3/4	1,227.42	3/4	1,006.49	3/4	785.56	3/4	564.63	3/4	349.96	3/4	132.13	3/4		3/4		3/4		3/4	
4	1,222.82	4	1,001.89	4	780.96	4	560.03	4	345.54	4	127.67	4		4		4		4	
1/4	1,218.21	1/4	997.28	1/4	776.36	1/4	555.43	1/4	341.13	1/4	123.24	1/4		1/4		1/4		1/4	
1/2	1,213.61	1/2	992.68	1/2	771.75	1/2	550.82	1/2	336.72	1/2	118.81	1/2		1/2		1/2		1/2	
3/4	1,209.01	3/4	988.08	3/4	767.15	3/4	546.22	3/4	332.31	3/4	114.38	3/4		3/4		3/4		3/4	
5	1,204.41	5	983.48	5	762.55	5	541.62	5	327.90	5	109.95	5		5		5		5	
1/4	1,199.80	1/4	978.87	1/4	757.94	1/4	537.01	1/4	323.49	1/4	105.52	1/4		1/4		1/4		1/4	
1/2	1,195.20	1/2	974.27	1/2	753.34	1/2	532.41	1/2	319.08	1/2	101.10	1/2		1/2		1/2		1/2	
3/4	1,190.60	3/4	969.67	3/4	748.74	3/4	527.81	3/4	314.66	3/4	96.67	3/4		3/4		3/4		3/4	
6	1,186.00	6	965.07	6	744.14	6	523.21	6	310.25	6	92.25	6		6		6		6	
1/4	1,181.39	1/4	960.46	1/4	739.53	1/4	518.60	1/4	305.84	1/4	87.83	1/4		1/4		1/4		1/4	
1/2	1,176.79	1/2	955.86	1/2	734.93	1/2	514.00	1/2	301.43	1/2	83.41	1/2		1/2		1/2		1/2	
3/4	1,172.19	3/4	951.26	3/4	730.33	3/4	509.40	3/4	297.02	3/4	78.99	3/4		3/4		3/4		3/4	
7	1,167.58	7	946.66	7	725.73	7	504.80	7	292.61	7	74.58	7		7		7		7	
1/4	1,162.98	1/4	942.05	1/4	721.12	1/4	500.35	1/4	288.04	1/4	70.17	1/4		1/4		1/4		1/4	
1/2	1,158.38	1/2	937.45	1/2	716.52	1/2	495.89	1/2	283.48	1/2	65.77	1/2		1/2		1/2		1/2	
3/4	1,153.78	3/4	932.85	3/4	711.92	3/4	491.44	3/4	278.92	3/4	61.37	3/4		3/4		3/4		3/4	
8	1,149.17	8	928.24	8	707.31	8	486.99	8	274.35	8	56.97	8		8		8		8	
1/4	1,144.57	1/4	923.64	1/4	702.71	1/4	482.57	1/4	269.75	1/4	52.59	1/4		1/4		1/4		1/4	
1/2	1,139.97	1/2	919.04	1/2	698.11	1/2	478.14	1/2	265.15	1/2	48.21	1/2		1/2		1/2		1/2	
3/4	1,135.37	3/4	914.44	3/4	693.51	3/4	473.71	3/4	260.55	3/4	43.83	3/4		3/4		3/4		3/4	
9	1,130.76	9	909.83	9	688.90	9	469.28	9	255.95	9	39.45	9		9		9		9	
1/4	1,126.16	1/4	905.23	1/4	684.30	1/4	464.85	1/4	251.35	1/4	35.38	1/4		1/4		1/4		1/4	
1/2	1,121.56	1/2	900.63	1/2	679.70	1/2	460.42	1/2	246.75	1/2	31.31	1/2		1/2		1/2		1/2	
3/4	1,116.95	3/4	896.03	3/4	675.10	3/4	455.99	3/4	242.14	3/4	27.25	3/4		3/4		3/4		3/4	
10	1,112.35	10	891.42	10	670.49	10	451.57	10	237.54	10	23.18	10		10		10		10	
1/4	1,107.75	1/4	886.82	1/4	665.89	1/4	447.14	1/4	232.94	1/4	20.16	1/4		1/4		1/4		1/4	
1/2	1,103.15	1/2	882.22	1/2	661.29	1/2	442.71	1/2	228.34	1/2	17.14	1/2		1/2		1/2		1/2	
3/4	1,098.54	3/4	877.61	3/4	656.68	3/4	438.28	3/4	223.73	3/4	14.12	3/4		3/4		3/4		3/4	
11	1,093.94	11	873.01	11	652.08	11	433.85	11	219.13	11	11.10	11		11		11		11	
1/4	1,089.34	1/4	868.41	1/4	647.48	1/4	429.42	1/4	214.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,084.74	1/2	863.81	1/2	642.88	1/2	424.99	1/2	209.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,080.13	3/4	859.20	3/4	638.27	3/4	420.56	3/4	205.32	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
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BARGE "BUFFALO 400"

4 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

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	11.18	0	219.45	0	433.18	0	651.14	0	872.32	0	1,093.49	0	1,314.67	0	1,535.84	0	1,757.02	0	1,978.19
1/4	14.20	1/4	224.05	1/4	437.58	1/4	655.75	1/4	876.93	1/4	1,098.10	1/4	1,319.28	1/4	1,540.45	1/4	1,761.62	1/4	1,982.80
1/2	17.23	1/2	228.66	1/2	441.98	1/2	660.36	1/2	881.53	1/2	1,102.71	1/2	1,323.88	1/2	1,545.06	1/2	1,766.23	1/2	1,987.41
3/4	20.25	3/4	233.27	3/4	446.38	3/4	664.97	3/4	886.14	3/4	1,107.32	3/4	1,328.49	3/4	1,549.67	3/4	1,770.84	3/4	1,992.01
1	23.27	1	237.88	1	450.78	1	669.58	1	890.75	1	1,111.92	1	1,333.10	1	1,554.27	1	1,775.45	1	1,996.62
1/4	27.35	1/4	242.48	1/4	455.18	1/4	674.18	1/4	895.36	1/4	1,116.53	1/4	1,337.71	1/4	1,558.88	1/4	1,780.06	1/4	2,001.23
1/2	31.42	1/2	247.09	1/2	459.58	1/2	678.79	1/2	899.97	1/2	1,121.14	1/2	1,342.31	1/2	1,563.49	1/2	1,784.66	1/2	2,005.84
3/4	35.49	3/4	251.70	3/4	463.98	3/4	683.40	3/4	904.57	3/4	1,125.75	3/4	1,346.92	3/4	1,568.10	3/4	1,789.27	3/4	2,010.45
2	39.56	2	256.31	2	468.39	2	688.01	2	909.18	2	1,130.36	2	1,351.53	2	1,572.70	2	1,793.88	2	2,015.05
1/4	43.95	1/4	260.91	1/4	472.79	1/4	692.61	1/4	913.79	1/4	1,134.96	1/4	1,356.14	1/4	1,577.31	1/4	1,798.49	1/4	2,019.66
1/2	48.33	1/2	265.51	1/2	477.19	1/2	697.22	1/2	918.40	1/2	1,139.57	1/2	1,360.75	1/2	1,581.92	1/2	1,803.09	1/2	2,024.27
3/4	52.72	3/4	270.12	3/4	481.59	3/4	701.83	3/4	923.00	3/4	1,144.18	3/4	1,365.35	3/4	1,586.53	3/4	1,807.70	3/4	2,028.88
3	57.10	3	274.72	3	485.99	3	706.44	3	927.61	3	1,148.79	3	1,369.96	3	1,591.14	3	1,812.31	3	2,033.48
1/4	61.51	1/4	279.28	1/4	490.41	1/4	711.05	1/4	932.22	1/4	1,153.39	1/4	1,374.57	1/4	1,595.74	1/4	1,816.92	1/4	2,038.09
1/2	65.92	1/2	283.84	1/2	494.84	1/2	715.65	1/2	936.83	1/2	1,158.00	1/2	1,379.18	1/2	1,600.35	1/2	1,821.53	1/2	2,042.70
3/4	70.32	3/4	288.40	3/4	499.27	3/4	720.26	3/4	941.44	3/4	1,162.61	3/4	1,383.78	3/4	1,604.96	3/4	1,826.13	3/4	2,047.31
4	74.73	4	292.96	4	503.70	4	724.87	4	946.04	4	1,167.22	4	1,388.39	4	1,609.57	4	1,830.74	4	2,051.92
1/4	79.15	1/4	297.33	1/4	508.30	1/4	729.48	1/4	950.65	1/4	1,171.83	1/4	1,393.00	1/4	1,614.17	1/4	1,835.35	1/4	2,056.52
1/2	83.58	1/2	301.71	1/2	512.91	1/2	734.09	1/2	955.26	1/2	1,176.43	1/2	1,397.61	1/2	1,618.78	1/2	1,839.96	1/2	2,061.13
3/4	88.00	3/4	306.08	3/4	517.52	3/4	738.69	3/4	959.87	3/4	1,181.04	3/4	1,402.22	3/4	1,623.39	3/4	1,844.56	3/4	2,065.74
5	92.42	5	310.46	5	522.13	5	743.30	5	964.47	5	1,185.65	5	1,406.82	5	1,628.00	5	1,849.17	5	2,070.35
1/4	96.85	1/4	314.83	1/4	526.73	1/4	747.91	1/4	969.08	1/4	1,190.26	1/4	1,411.43	1/4	1,632.61	1/4	1,853.78	1/4	2,074.95
1/2	101.28	1/2	319.20	1/2	531.34	1/2	752.52	1/2	973.69	1/2	1,194.87	1/2	1,416.04	1/2	1,637.21	1/2	1,858.39	1/2	2,079.56
3/4	105.71	3/4	323.58	3/4	535.95	3/4	757.12	3/4	978.30	3/4	1,199.47	3/4	1,420.65	3/4	1,641.82	3/4	1,863.00	3/4	2,084.17
6	110.14	6	327.95	6	540.56	6	761.73	6	982.91	6	1,204.08	6	1,425.26	6	1,646.43	6	1,867.60	6	2,088.78
1/4	114.58	1/4	332.33	1/4	545.17	1/4	766.34	1/4	987.51	1/4	1,208.69	1/4	1,429.86	1/4	1,651.04	1/4	1,872.21	1/4	2,093.39
1/2	119.01	1/2	336.70	1/2	549.77	1/2	770.95	1/2	992.12	1/2	1,213.30	1/2	1,434.47	1/2	1,655.65	1/2	1,876.82	1/2	2,097.99
3/4	123.45	3/4	341.07	3/4	554.38	3/4	775.56	3/4	996.73	3/4	1,217.90	3/4	1,439.08	3/4	1,660.25	3/4	1,881.43	3/4	2,102.60
7	127.89	7	345.45	7	558.99	7	780.16	7	1,001.34	7	1,222.51	7	1,443.69	7	1,664.86	7	1,886.04	7	2,107.21
1/4	132.35	1/4	349.83	1/4	563.60	1/4	784.77	1/4	1,005.95	1/4	1,227.12	1/4	1,448.29	1/4	1,669.47	1/4	1,890.64	1/4	2,111.82
1/2	136.81	1/2	354.21	1/2	568.20	1/2	789.38	1/2	1,010.55	1/2	1,231.73	1/2	1,452.90	1/2	1,674.08	1/2	1,895.25	1/2	2,116.43
3/4	141.26	3/4	358.59	3/4	572.81	3/4	793.99	3/4	1,015.16	3/4	1,236.34	3/4	1,457.51	3/4	1,678.68	3/4	1,899.86	3/4	2,121.03
8	145.72	8	362.97	8	577.42	8	798.59	8	1,019.77	8	1,240.94	8	1,462.12	8	1,683.29	8	1,904.47	8	2,125.64
1/4	150.33	1/4	367.35	1/4	582.03	1/4	803.20	1/4	1,024.38	1/4	1,245.55	1/4	1,466.73	1/4	1,687.90	1/4	1,909.07	1/4	2,130.25
1/2	154.94	1/2	371.73	1/2	586.64	1/2	807.81	1/2	1,028.98	1/2	1,250.16	1/2	1,471.33	1/2	1,692.51	1/2	1,913.68	1/2	2,134.86
3/4	159.55	3/4	376.12	3/4	591.24	3/4	812.42	3/4	1,033.59	3/4	1,254.77	3/4	1,475.94	3/4	1,697.12	3/4	1,918.29	3/4	2,139.46
9	164.15	9	380.50	9	595.85	9	817.03	9	1,038.20	9	1,259.37	9	1,480.55	9	1,701.72	9	1,922.90	9	2,144.07
1/4	168.76	1/4	384.88	1/4	600.46	1/4	821.63	1/4	1,042.81	1/4	1,263.98	1/4	1,485.16	1/4	1,706.33	1/4	1,927.51	1/4	2,148.68
1/2	173.37	1/2	389.27	1/2	605.07	1/2	826.24	1/2	1,047.42	1/2	1,268.59	1/2	1,489.76	1/2	1,710.94	1/2	1,932.11	1/2	2,153.29
3/4	177.98	3/4	393.65	3/4	609.67	3/4	830.85	3/4	1,052.02	3/4	1,273.20	3/4	1,494.37	3/4	1,715.55	3/4	1,936.72	3/4	2,157.90
10	182.58	10	398.03	10	614.28	10	835.46	10	1,056.63	10	1,277.81	10	1,498.98	10	1,720.15	10	1,941.33	10	2,162.50
1/4	187.19	1/4	402.42	1/4	618.89	1/4	840.06	1/4	1,061.24	1/4	1,282.41	1/4	1,503.59	1/4	1,724.76	1/4	1,945.94	1/4	2,167.11
1/2	191.80	1/2	406.81	1/2	623.50	1/2	844.67	1/2	1,065.85	1/2	1,287.02	1/2	1,508.20	1/2	1,729.37	1/2	1,950.54	1/2	2,171.72
3/4	196.41	3/4	411.19	3/4	628.11	3/4	849.28	3/4	1,070.45	3/4	1,291.63	3/4	1,512.80	3/4	1,733.98	3/4	1,955.15	3/4	2,176.33
11	201.02	11	415.58	11	632.71	11	853.89	11	1,075.06	11	1,296.24	11	1,517.41	11	1,738.59	11	1,959.76	11	2,180.93
1/4	205.62	1/4	419.98	1/4	637.32	1/4	858.50	1/4	1,079.67	1/4	1,300.84	1/4	1,522.02	1/4	1,743.19	1/4	1,964.37	1/4	2,185.54
1/2	210.23	1/2	424.38	1/2	641.93	1/2	863.10	1/2	1,084.28	1/2	1,305.45	1/2	1,526.63	1/2	1,747.80	1/2	1,968.98	1/2	2,190.15
3/4	214.84	3/4	428.78	3/4	646.54	3/4	867.71	3/4	1,088.89	3/4	1,310.06	3/4	1,531.23	3/4	1,752.41	3/4	1,973.58	3/4	2,194.76

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 INNAGE GAUGES TAKEN AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "BUFFALO 400"

4 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

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	2,199.37	0	2,420.54	0	2,639.60	0		0		0		0		0		0		0	
1/4	2,203.97	1/4	2,425.14	1/4	2,644.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,208.58	1/2	2,429.74	1/2	2,648.71	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,213.19	3/4	2,434.34	3/4	2,653.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,217.80	1	2,438.94	1	2,657.83	1		1		1		1		1		1		1	
1/4	2,222.40	1/4	2,443.52	1/4	2,662.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,227.01	1/2	2,448.10	1/2	2,666.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,231.62	3/4	2,452.68	3/4	2,671.51	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,236.23	2	2,457.26	2	2,676.07	2		2		2		2		2		2		2	
1/4	2,240.84	1/4	2,461.82	1/4	2,680.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,245.44	1/2	2,466.37	1/2	2,685.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,250.05	3/4	2,470.93	3/4	2,689.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,254.66	3	2,475.49	3	2,694.30	3		3		3		3		3		3		3	
1/4	2,259.27	1/4	2,480.05	1/4	2,698.86	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,263.87	1/2	2,484.61	1/2	2,703.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,268.48	3/4	2,489.17	3/4	2,707.97	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,273.09	4	2,493.73	4	2,712.53	4		4		4		4		4		4		4	
1/4	2,277.70	1/4	2,498.28	1/4	2,717.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,282.31	1/2	2,502.84	1/2	2,721.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,286.91	3/4	2,507.40	3/4	2,726.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,291.52	5	2,511.96	5	2,730.77	5		5		5		5		5		5		5	
1/4	2,296.13	1/4	2,516.52	1/4	2,735.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,300.74	1/2	2,521.08	1/2	2,739.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,305.34	3/4	2,525.64	3/4	2,744.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,309.95	6	2,530.19	6	2,748.97	6		6		6		6		6		6		6	
1/4	2,314.56	1/4	2,534.75	1/4	2,753.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,319.17	1/2	2,539.31	1/2	2,758.06	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,323.78	3/4	2,543.87	3/4	2,762.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,328.38	7	2,548.43	7	2,767.15	7		7		7		7		7		7		7	
1/4	2,332.99	1/4	2,552.99	1/4	2,771.68	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,337.60	1/2	2,557.54	1/2	2,776.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,342.21	3/4	2,562.10	3/4	2,780.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,346.82	8	2,566.66	8	2,785.26	8		8		8		8		8		8		8	
1/4	2,351.42	1/4	2,571.22	1/4	2,789.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,356.03	1/2	2,575.78	1/2	2,794.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,360.64	3/4	2,580.34	3/4	2,798.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,365.25	9	2,584.90	9	2,803.10	9		9		9		9		9		9		9	
1/4	2,369.85	1/4	2,589.45	1/4	2,807.29	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,374.46	1/2	2,594.01	1/2	2,811.47	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,379.07	3/4	2,598.57	3/4	2,815.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,383.68	10	2,603.13	10	2,819.85	10		10		10		10		10		10		10	
1/4	2,388.29	1/4	2,607.69	1/4	2,823.04	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,392.89	1/2	2,612.25	1/2	2,826.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,397.50	3/4	2,616.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,402.11	11	2,621.36	11		11		11		11		11		11		11		11	
1/4	2,406.72	1/4	2,625.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,411.32	1/2	2,630.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,415.93	3/4	2,635.04	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: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "BUFFALO 400"

4 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	2,621.36	0	2,402.11	0	2,180.93	0	1,959.76	0	1,738.59	0	1,517.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,616.81	1/4	2,397.50	1/4	2,176.33	1/4	1,955.15	1/4	1,733.98	1/4	1,512.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,826.23	1/2	2,612.25	1/2	2,392.89	1/2	2,171.72	1/2	1,950.54	1/2	1,729.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,823.04	3/4	2,607.69	3/4	2,388.29	3/4	2,167.11	3/4	1,945.94	3/4	1,724.76
1	1	1	1	1	1	1	1	1	2,819.85	1	2,603.13	1	2,383.68	1	2,162.50	1	1,941.33	1	1,720.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,815.66	1/4	2,598.57	1/4	2,379.07	1/4	2,157.90	1/4	1,936.72	1/4	1,715.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,811.47	1/2	2,594.01	1/2	2,374.46	1/2	2,153.29	1/2	1,932.11	1/2	1,710.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,807.29	3/4	2,589.45	3/4	2,369.85	3/4	2,148.68	3/4	1,927.51	3/4	1,706.33
2	2	2	2	2	2	2	2	2	2,803.10	2	2,584.90	2	2,365.25	2	2,144.07	2	1,922.90	2	1,701.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,798.64	1/4	2,580.34	1/4	2,360.64	1/4	2,139.46	1/4	1,918.29	1/4	1,697.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,794.18	1/2	2,575.78	1/2	2,356.03	1/2	2,134.86	1/2	1,913.68	1/2	1,692.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,789.72	3/4	2,571.22	3/4	2,351.42	3/4	2,130.25	3/4	1,909.07	3/4	1,687.90
3	3	3	3	3	3	3	3	3	2,785.26	3	2,566.66	3	2,346.82	3	2,125.64	3	1,904.47	3	1,683.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,780.74	1/4	2,562.10	1/4	2,342.21	1/4	2,121.03	1/4	1,899.86	1/4	1,678.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,776.21	1/2	2,557.55	1/2	2,337.60	1/2	2,116.43	1/2	1,895.25	1/2	1,674.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,771.68	3/4	2,552.99	3/4	2,332.99	3/4	2,111.82	3/4	1,890.64	3/4	1,669.47
4	4	4	4	4	4	4	4	4	2,767.15	4	2,548.43	4	2,328.38	4	2,107.21	4	1,886.04	4	1,664.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,762.61	1/4	2,543.87	1/4	2,323.78	1/4	2,102.60	1/4	1,881.43	1/4	1,660.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,758.06	1/2	2,539.31	1/2	2,319.17	1/2	2,097.99	1/2	1,876.82	1/2	1,655.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,753.52	3/4	2,534.75	3/4	2,314.56	3/4	2,093.39	3/4	1,872.21	3/4	1,651.04
5	5	5	5	5	5	5	5	5	2,748.98	5	2,530.19	5	2,309.95	5	2,088.78	5	1,867.60	5	1,646.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,744.42	1/4	2,525.64	1/4	2,305.35	1/4	2,084.17	1/4	1,863.00	1/4	1,641.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,739.87	1/2	2,521.08	1/2	2,300.74	1/2	2,079.56	1/2	1,858.39	1/2	1,637.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,735.32	3/4	2,516.52	3/4	2,296.13	3/4	2,074.96	3/4	1,853.78	3/4	1,632.61
6	6	6	6	6	6	6	6	6	2,730.77	6	2,511.96	6	2,291.52	6	2,070.35	6	1,849.17	6	1,628.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,726.21	1/4	2,507.40	1/4	2,286.91	1/4	2,065.74	1/4	1,844.57	1/4	1,623.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,721.65	1/2	2,502.84	1/2	2,282.31	1/2	2,061.13	1/2	1,839.96	1/2	1,618.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,717.09	3/4	2,498.28	3/4	2,277.70	3/4	2,056.52	3/4	1,835.35	3/4	1,614.18
7	7	7	7	7	7	7	7	7	2,712.53	7	2,493.73	7	2,273.09	7	2,051.92	7	1,830.74	7	1,609.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,707.98	1/4	2,489.17	1/4	2,268.48	1/4	2,047.31	1/4	1,826.13	1/4	1,604.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,703.42	1/2	2,484.61	1/2	2,263.88	1/2	2,042.70	1/2	1,821.53	1/2	1,600.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,698.86	3/4	2,480.05	3/4	2,259.27	3/4	2,038.09	3/4	1,816.92	3/4	1,595.74
8	8	8	8	8	8	8	8	8	2,694.30	8	2,475.49	8	2,254.66	8	2,033.49	8	1,812.31	8	1,591.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,689.74	1/4	2,470.93	1/4	2,250.05	1/4	2,028.88	1/4	1,807.70	1/4	1,586.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,685.18	1/2	2,466.38	1/2	2,245.44	1/2	2,024.27	1/2	1,803.10	1/2	1,581.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,680.62	3/4	2,461.82	3/4	2,240.84	3/4	2,019.66	3/4	1,798.49	3/4	1,577.31
9	9	9	9	9	9	9	9	9	2,676.07	9	2,457.26	9	2,236.23	9	2,015.05	9	1,793.88	9	1,572.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,671.51	1/4	2,452.68	1/4	2,231.62	1/4	2,010.45	1/4	1,789.27	1/4	1,568.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,666.95	1/2	2,448.10	1/2	2,227.01	1/2	2,005.84	1/2	1,784.66	1/2	1,563.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,662.39	3/4	2,443.52	3/4	2,222.40	3/4	2,001.23	3/4	1,780.06	3/4	1,558.88
10	10	10	10	10	10	10	10	10	2,657.83	10	2,438.94	10	2,217.80	10	1,996.62	10	1,775.45	10	1,554.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,653.27	1/4	2,434.34	1/4	2,213.19	1/4	1,992.01	1/4	1,770.84	1/4	1,549.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,648.72	1/2	2,429.74	1/2	2,208.58	1/2	1,987.41	1/2	1,766.23	1/2	1,545.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,644.16	3/4	2,425.14	3/4	2,203.97	3/4	1,982.80	3/4	1,761.62	3/4	1,540.45
11	11	11	11	11	11	11	11	11	2,639.60	11	2,420.54	11	2,199.37	11	1,978.19	11	1,757.02	11	1,535.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,635.04	1/4	2,415.93	1/4	2,194.76	1/4	1,973.58	1/4	1,752.41	1/4	1,531.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,630.48	1/2	2,411.32	1/2	2,190.15	1/2	1,968.98	1/2	1,747.80	1/2	1,526.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,625.92	3/4	2,406.72	3/4	2,185.54	3/4	1,964.37	3/4	1,743.19	3/4	1,522.02

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 AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "BUFFALO 400"

4 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11"

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	1,296.24	0	1,075.06	0	853.89	0	632.71	0	415.58	0	201.02	0		0		0		0	
1/4	1,291.63	1/4	1,070.45	1/4	849.28	1/4	628.11	1/4	411.19	1/4	196.41	1/4		1/4		1/4		1/4	
1/2	1,287.02	1/2	1,065.85	1/2	844.67	1/2	623.50	1/2	406.81	1/2	191.80	1/2		1/2		1/2		1/2	
3/4	1,282.41	3/4	1,061.24	3/4	840.06	3/4	618.89	3/4	402.42	3/4	187.19	3/4		3/4		3/4		3/4	
1	1,277.81	1	1,056.63	1	835.46	1	614.28	1	398.03	1	182.59	1		1		1		1	
1/4	1,273.20	1/4	1,052.02	1/4	830.85	1/4	609.67	1/4	393.65	1/4	177.98	1/4		1/4		1/4		1/4	
1/2	1,268.59	1/2	1,047.42	1/2	826.24	1/2	605.07	1/2	389.27	1/2	173.37	1/2		1/2		1/2		1/2	
3/4	1,263.98	3/4	1,042.81	3/4	821.63	3/4	600.46	3/4	384.88	3/4	168.76	3/4		3/4		3/4		3/4	
2	1,259.37	2	1,038.20	2	817.03	2	595.85	2	380.50	2	164.15	2		2		2		2	
1/4	1,254.77	1/4	1,033.59	1/4	812.42	1/4	591.24	1/4	376.12	1/4	159.55	1/4		1/4		1/4		1/4	
1/2	1,250.16	1/2	1,028.98	1/2	807.81	1/2	586.64	1/2	371.73	1/2	154.94	1/2		1/2		1/2		1/2	
3/4	1,245.55	3/4	1,024.38	3/4	803.20	3/4	582.03	3/4	367.35	3/4	150.33	3/4		3/4		3/4		3/4	
3	1,240.94	3	1,019.77	3	798.59	3	577.42	3	362.97	3	145.72	3		3		3		3	
1/4	1,236.34	1/4	1,015.16	1/4	793.99	1/4	572.81	1/4	358.59	1/4	141.27	1/4		1/4		1/4		1/4	
1/2	1,231.73	1/2	1,010.55	1/2	789.38	1/2	568.20	1/2	354.21	1/2	136.81	1/2		1/2		1/2		1/2	
3/4	1,227.12	3/4	1,005.95	3/4	784.77	3/4	563.60	3/4	349.83	3/4	132.35	3/4		3/4		3/4		3/4	
4	1,222.51	4	1,001.34	4	780.16	4	558.99	4	345.45	4	127.89	4		4		4		4	
1/4	1,217.90	1/4	996.73	1/4	775.56	1/4	554.38	1/4	341.07	1/4	123.45	1/4		1/4		1/4		1/4	
1/2	1,213.30	1/2	992.12	1/2	770.95	1/2	549.77	1/2	336.70	1/2	119.02	1/2		1/2		1/2		1/2	
3/4	1,208.69	3/4	987.51	3/4	766.34	3/4	545.17	3/4	332.33	3/4	114.58	3/4		3/4		3/4		3/4	
5	1,204.08	5	982.91	5	761.73	5	540.56	5	327.95	5	110.14	5		5		5		5	
1/4	1,199.47	1/4	978.30	1/4	757.12	1/4	535.95	1/4	323.58	1/4	105.71	1/4		1/4		1/4		1/4	
1/2	1,194.87	1/2	973.69	1/2	752.52	1/2	531.34	1/2	319.20	1/2	101.28	1/2		1/2		1/2		1/2	
3/4	1,190.26	3/4	969.08	3/4	747.91	3/4	526.73	3/4	314.83	3/4	96.85	3/4		3/4		3/4		3/4	
6	1,185.65	6	964.48	6	743.30	6	522.13	6	310.46	6	92.42	6		6		6		6	
1/4	1,181.04	1/4	959.87	1/4	738.69	1/4	517.52	1/4	306.08	1/4	88.00	1/4		1/4		1/4		1/4	
1/2	1,176.43	1/2	955.26	1/2	734.09	1/2	512.91	1/2	301.71	1/2	83.58	1/2		1/2		1/2		1/2	
3/4	1,171.83	3/4	950.65	3/4	729.48	3/4	508.30	3/4	297.33	3/4	79.16	3/4		3/4		3/4		3/4	
7	1,167.22	7	946.04	7	724.87	7	503.70	7	292.96	7	74.73	7		7		7		7	
1/4	1,162.61	1/4	941.44	1/4	720.26	1/4	499.27	1/4	288.40	1/4	70.32	1/4		1/4		1/4		1/4	
1/2	1,158.00	1/2	936.83	1/2	715.65	1/2	494.84	1/2	283.84	1/2	65.92	1/2		1/2		1/2		1/2	
3/4	1,153.40	3/4	932.22	3/4	711.05	3/4	490.42	3/4	279.28	3/4	61.51	3/4		3/4		3/4		3/4	
8	1,148.79	8	927.61	8	706.44	8	485.99	8	274.72	8	57.10	8		8		8		8	
1/4	1,144.18	1/4	923.01	1/4	701.83	1/4	481.59	1/4	270.12	1/4	52.72	1/4		1/4		1/4		1/4	
1/2	1,139.57	1/2	918.40	1/2	697.22	1/2	477.19	1/2	265.51	1/2	48.33	1/2		1/2		1/2		1/2	
3/4	1,134.96	3/4	913.79	3/4	692.62	3/4	472.79	3/4	260.91	3/4	43.95	3/4		3/4		3/4		3/4	
9	1,130.36	9	909.18	9	688.01	9	468.39	9	256.31	9	39.56	9		9		9		9	
1/4	1,125.75	1/4	904.57	1/4	683.40	1/4	463.98	1/4	251.70	1/4	35.49	1/4		1/4		1/4		1/4	
1/2	1,121.14	1/2	899.97	1/2	678.79	1/2	459.58	1/2	247.09	1/2	31.42	1/2		1/2		1/2		1/2	
3/4	1,116.53	3/4	895.36	3/4	674.18	3/4	455.18	3/4	242.48	3/4	27.35	3/4		3/4		3/4		3/4	
10	1,111.93	10	890.75	10	669.58	10	450.78	10	237.88	10	23.27	10		10		10		10	
1/4	1,107.32	1/4	886.14	1/4	664.97	1/4	446.38	1/4	233.27	1/4	20.25	1/4		1/4		1/4		1/4	
1/2	1,102.71	1/2	881.54	1/2	660.36	1/2	441.98	1/2	228.66	1/2	17.23	1/2		1/2		1/2		1/2	
3/4	1,098.10	3/4	876.93	3/4	655.75	3/4	437.58	3/4	224.05	3/4	14.20	3/4		3/4		3/4		3/4	
11	1,093.49	11	872.32	11	651.15	11	433.18	11	219.45	11	11.18	11		11		11		11	
1/4	1,088.89	1/4	867.71	1/4	646.54	1/4	428.78	1/4	214.84	1/4		1/4		1/4		1/4		1/4	
1/2	1,084.28	1/2	863.10	1/2	641.93	1/2	424.38	1/2	210.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,079.67	3/4	858.50	3/4	637.32	3/4	419.98	3/4	205.62	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
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BARGE "BUFFALO 400"

5 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	7.43	0	201.12	0	415.04	0	634.98	0	856.09	0	1,076.00	0	1,296.63	0	1,516.91	0	1,738.17	0	1,959.43
1/4	9.22	1/4	205.73	1/4	419.49	1/4	639.58	1/4	860.69	1/4	1,080.57	1/4	1,301.16	1/4	1,521.52	1/4	1,742.78	1/4	1,964.04
1/2	11.02	1/2	210.34	1/2	423.94	1/2	644.19	1/2	865.30	1/2	1,085.15	1/2	1,305.68	1/2	1,526.13	1/2	1,747.39	1/2	1,968.64
3/4	12.81	3/4	214.95	3/4	428.39	3/4	648.80	3/4	869.90	3/4	1,089.73	3/4	1,310.21	3/4	1,530.74	3/4	1,752.00	3/4	1,973.25
1	14.61	1	219.55	1	432.84	1	653.40	1	874.51	1	1,094.30	1	1,314.73	1	1,535.35	1	1,756.61	1	1,977.86
1/4	17.20	1/4	224.13	1/4	437.31	1/4	658.01	1/4	879.11	1/4	1,098.88	1/4	1,319.26	1/4	1,539.96	1/4	1,761.22	1/4	1,982.47
1/2	19.79	1/2	228.70	1/2	441.78	1/2	662.62	1/2	883.72	1/2	1,103.47	1/2	1,323.78	1/2	1,544.57	1/2	1,765.83	1/2	1,987.08
3/4	22.38	3/4	233.28	3/4	446.25	3/4	667.22	3/4	888.32	3/4	1,108.05	3/4	1,328.31	3/4	1,549.18	3/4	1,770.44	3/4	1,991.69
2	24.97	2	237.85	2	450.72	2	671.83	2	892.92	2	1,112.63	2	1,332.83	2	1,553.79	2	1,775.05	2	1,996.30
1/4	28.35	1/4	242.29	1/4	455.33	1/4	676.44	1/4	897.50	1/4	1,117.24	1/4	1,337.37	1/4	1,558.40	1/4	1,779.66	1/4	2,000.91
1/2	31.72	1/2	246.72	1/2	459.94	1/2	681.04	1/2	902.08	1/2	1,121.85	1/2	1,341.90	1/2	1,563.01	1/2	1,784.26	1/2	2,005.51
3/4	35.09	3/4	251.16	3/4	464.54	3/4	685.65	3/4	906.65	3/4	1,126.46	3/4	1,346.44	3/4	1,567.62	3/4	1,788.87	3/4	2,010.12
3	38.47	3	255.59	3	469.15	3	690.26	3	911.23	3	1,131.07	3	1,350.97	3	1,572.23	3	1,793.48	3	2,014.73
1/4	42.56	1/4	260.03	1/4	473.75	1/4	694.86	1/4	915.81	1/4	1,135.68	1/4	1,355.58	1/4	1,576.84	1/4	1,798.09	1/4	2,019.34
1/2	46.66	1/2	264.46	1/2	478.36	1/2	699.47	1/2	920.39	1/2	1,140.29	1/2	1,360.19	1/2	1,581.45	1/2	1,802.70	1/2	2,023.95
3/4	50.76	3/4	268.89	3/4	482.97	3/4	704.07	3/4	924.96	3/4	1,144.90	3/4	1,364.80	3/4	1,586.06	3/4	1,807.31	3/4	2,028.56
4	54.85	4	273.33	4	487.57	4	708.68	4	929.54	4	1,149.51	4	1,369.41	4	1,590.67	4	1,811.92	4	2,033.17
1/4	59.29	1/4	277.75	1/4	492.18	1/4	713.29	1/4	934.12	1/4	1,154.12	1/4	1,374.02	1/4	1,595.28	1/4	1,816.53	1/4	2,037.78
1/2	63.73	1/2	282.17	1/2	496.79	1/2	717.89	1/2	938.69	1/2	1,158.73	1/2	1,378.63	1/2	1,599.88	1/2	1,821.14	1/2	2,042.38
3/4	68.17	3/4	286.59	3/4	501.39	3/4	722.50	3/4	943.27	3/4	1,163.34	3/4	1,383.24	3/4	1,604.49	3/4	1,825.75	3/4	2,046.99
5	72.61	5	291.01	5	506.00	5	727.11	5	947.85	5	1,167.94	5	1,387.85	5	1,609.10	5	1,830.36	5	2,051.60
1/4	77.07	1/4	295.43	1/4	510.61	1/4	731.71	1/4	952.42	1/4	1,172.55	1/4	1,392.46	1/4	1,613.71	1/4	1,834.97	1/4	2,056.21
1/2	81.53	1/2	299.86	1/2	515.21	1/2	736.32	1/2	957.00	1/2	1,177.16	1/2	1,397.07	1/2	1,618.32	1/2	1,839.58	1/2	2,060.82
3/4	85.99	3/4	304.28	3/4	519.82	3/4	740.93	3/4	961.58	3/4	1,181.77	3/4	1,401.68	3/4	1,622.93	3/4	1,844.19	3/4	2,065.43
6	90.45	6	308.70	6	524.42	6	745.53	6	966.15	6	1,186.38	6	1,406.29	6	1,627.54	6	1,848.80	6	2,070.04
1/4	95.06	1/4	313.12	1/4	529.03	1/4	750.14	1/4	970.73	1/4	1,190.99	1/4	1,410.90	1/4	1,632.15	1/4	1,853.41	1/4	2,074.64
1/2	99.67	1/2	317.54	1/2	533.64	1/2	754.74	1/2	975.31	1/2	1,195.60	1/2	1,415.50	1/2	1,636.76	1/2	1,858.02	1/2	2,079.25
3/4	104.29	3/4	321.96	3/4	538.24	3/4	759.35	3/4	979.88	3/4	1,200.21	3/4	1,420.11	3/4	1,641.37	3/4	1,862.63	3/4	2,083.86
7	108.90	7	326.39	7	542.85	7	763.96	7	984.46	7	1,204.82	7	1,424.72	7	1,645.98	7	1,867.24	7	2,088.47
1/4	113.51	1/4	330.81	1/4	547.46	1/4	768.56	1/4	989.04	1/4	1,209.43	1/4	1,429.33	1/4	1,650.59	1/4	1,871.85	1/4	2,093.08
1/2	118.12	1/2	335.23	1/2	552.06	1/2	773.17	1/2	993.61	1/2	1,214.04	1/2	1,433.94	1/2	1,655.20	1/2	1,876.45	1/2	2,097.69
3/4	122.73	3/4	339.65	3/4	556.67	3/4	777.78	3/4	998.19	3/4	1,218.65	3/4	1,438.55	3/4	1,659.81	3/4	1,881.06	3/4	2,102.30
8	127.34	8	344.07	8	561.28	8	782.38	8	1,002.77	8	1,223.26	8	1,443.16	8	1,664.42	8	1,885.67	8	2,106.90
1/4	131.95	1/4	348.50	1/4	565.88	1/4	786.99	1/4	1,007.34	1/4	1,227.87	1/4	1,447.77	1/4	1,669.03	1/4	1,890.28	1/4	2,111.51
1/2	136.56	1/2	352.92	1/2	570.49	1/2	791.60	1/2	1,011.92	1/2	1,232.48	1/2	1,452.38	1/2	1,673.64	1/2	1,894.89	1/2	2,116.12
3/4	141.17	3/4	357.34	3/4	575.10	3/4	796.20	3/4	1,016.50	3/4	1,237.09	3/4	1,456.99	3/4	1,678.25	3/4	1,899.50	3/4	2,120.73
9	145.79	9	361.77	9	579.70	9	800.81	9	1,021.07	9	1,241.70	9	1,461.60	9	1,682.86	9	1,904.11	9	2,125.34
1/4	150.40	1/4	366.20	1/4	584.31	1/4	805.42	1/4	1,025.65	1/4	1,246.31	1/4	1,466.21	1/4	1,687.47	1/4	1,908.72	1/4	2,129.95
1/2	155.01	1/2	370.64	1/2	588.91	1/2	810.02	1/2	1,030.23	1/2	1,250.92	1/2	1,470.82	1/2	1,692.07	1/2	1,913.33	1/2	2,134.56
3/4	159.62	3/4	375.08	3/4	593.52	3/4	814.63	3/4	1,034.81	3/4	1,255.53	3/4	1,475.43	3/4	1,696.68	3/4	1,917.94	3/4	2,139.16
10	164.23	10	379.52	10	598.13	10	819.23	10	1,039.38	10	1,260.14	10	1,480.04	10	1,701.29	10	1,922.55	10	2,143.77
1/4	168.84	1/4	383.96	1/4	602.73	1/4	823.84	1/4	1,043.96	1/4	1,264.74	1/4	1,484.65	1/4	1,705.90	1/4	1,927.16	1/4	2,148.38
1/2	173.45	1/2	388.40	1/2	607.34	1/2	828.45	1/2	1,048.54	1/2	1,269.34	1/2	1,489.26	1/2	1,710.51	1/2	1,931.77	1/2	2,152.99
3/4	178.06	3/4	392.84	3/4	611.95	3/4	833.05	3/4	1,053.11	3/4	1,273.94	3/4	1,493.87	3/4	1,715.12	3/4	1,936.38	3/4	2,157.60
11	182.67	11	397.28	11	616.55	11	837.66	11	1,057.69	11	1,278.54	11	1,498.48	11	1,719.73	11	1,940.99	11	2,162.21
1/4	187.29	1/4	401.72	1/4	621.16	1/4	842.27	1/4	1,062.27	1/4	1,283.06	1/4	1,503.09	1/4	1,724.34	1/4	1,945.60	1/4	2,166.82
1/2	191.90	1/2	406.16	1/2	625.77	1/2	846.87	1/2	1,066.84	1/2	1,287.59	1/2	1,507.69	1/2	1,728.95	1/2	1,950.21	1/2	2,171.42
3/4	196.51	3/4	410.60	3/4	630.37	3/4	851.48	3/4	1,071.42	3/4	1,292.11	3/4	1,512.30	3/4	1,733.56	3/4	1,954.82	3/4	2,176.03

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 INNAGE GAUGES TAKEN AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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 Pearland, Texas 77588
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BARGE "BUFFALO 400"

5 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	2,180.64	0	2,401.73	0	2,620.58	0		0		0		0		0		0		0	
1/4	2,185.25	1/4	2,406.29	1/4	2,625.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,189.86	1/2	2,410.85	1/2	2,629.70	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,194.47	3/4	2,415.41	3/4	2,634.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,199.08	1	2,419.97	1	2,638.81	1		1		1		1		1		1		1	
1/4	2,203.68	1/4	2,424.53	1/4	2,643.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,208.29	1/2	2,429.09	1/2	2,647.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,212.90	3/4	2,433.65	3/4	2,652.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,217.51	2	2,438.21	2	2,657.05	2		2		2		2		2		2		2	
1/4	2,222.12	1/4	2,442.76	1/4	2,661.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,226.73	1/2	2,447.32	1/2	2,666.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,231.34	3/4	2,451.88	3/4	2,670.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,235.94	3	2,456.44	3	2,675.28	3		3		3		3		3		3		3	
1/4	2,240.55	1/4	2,461.00	1/4	2,679.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,245.16	1/2	2,465.56	1/2	2,684.38	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,249.77	3/4	2,470.12	3/4	2,688.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,254.38	4	2,474.68	4	2,693.49	4		4		4		4		4		4		4	
1/4	2,258.99	1/4	2,479.24	1/4	2,698.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,263.60	1/2	2,483.80	1/2	2,702.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,268.21	3/4	2,488.36	3/4	2,707.12	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,272.81	5	2,492.92	5	2,711.67	5		5		5		5		5		5		5	
1/4	2,277.42	1/4	2,497.48	1/4	2,716.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,282.03	1/2	2,502.04	1/2	2,720.73	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,286.64	3/4	2,506.60	3/4	2,725.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,291.25	6	2,511.15	6	2,729.78	6		6		6		6		6		6		6	
1/4	2,295.86	1/4	2,515.71	1/4	2,734.24	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,300.47	1/2	2,520.27	1/2	2,738.70	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,305.07	3/4	2,524.83	3/4	2,743.16	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,309.68	7	2,529.39	7	2,747.62	7		7		7		7		7		7		7	
1/4	2,314.29	1/4	2,533.95	1/4	2,751.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,318.90	1/2	2,538.51	1/2	2,755.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,323.51	3/4	2,543.07	3/4	2,760.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,328.12	8	2,547.63	8	2,764.37	8		8		8		8		8		8		8	
1/4	2,332.73	1/4	2,552.19	1/4	2,767.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,337.33	1/2	2,556.75	1/2	2,770.74	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,341.94	3/4	2,561.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,346.55	9	2,565.87	9		9		9		9		9		9		9		9	
1/4	2,351.16	1/4	2,570.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,355.77	1/2	2,574.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,360.38	3/4	2,579.54	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,364.99	10	2,584.10	10		10		10		10		10		10		10		10	
1/4	2,369.59	1/4	2,588.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,374.20	1/2	2,593.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,378.80	3/4	2,597.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,383.41	11	2,602.34	11		11		11		11		11		11		11		11	
1/4	2,387.99	1/4	2,606.90	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,392.57	1/2	2,611.46	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,397.15	3/4	2,616.02	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: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "BUFFALO 400"

5 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	2,565.86	0	2,346.55	0	2,125.34	0	1,904.11	0	1,682.85	0	1,461.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,561.30	1/4	2,341.94	1/4	2,120.73	1/4	1,899.50	1/4	1,678.24	1/4	1,456.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,770.74	1/2	2,556.74	1/2	2,337.33	1/2	2,116.12	1/2	1,894.89	1/2	1,673.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,767.55	3/4	2,552.18	3/4	2,332.72	3/4	2,111.51	3/4	1,890.28	3/4	1,669.02
1	1	1	1	1	1	1	1	1	2,764.36	1	2,547.63	1	2,328.11	1	2,106.90	1	1,885.67	1	1,664.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,760.18	1/4	2,543.07	1/4	2,323.50	1/4	2,102.29	1/4	1,881.06	1/4	1,659.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,755.99	1/2	2,538.51	1/2	2,318.90	1/2	2,097.68	1/2	1,876.45	1/2	1,655.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,751.80	3/4	2,533.95	3/4	2,314.29	3/4	2,093.07	3/4	1,871.84	3/4	1,650.59
2	2	2	2	2	2	2	2	2	2,747.62	2	2,529.39	2	2,309.68	2	2,088.47	2	1,867.23	2	1,645.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,743.16	1/4	2,524.83	1/4	2,305.07	1/4	2,083.86	1/4	1,862.62	1/4	1,641.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,738.70	1/2	2,520.27	1/2	2,300.46	1/2	2,079.25	1/2	1,858.01	1/2	1,636.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,734.24	3/4	2,515.71	3/4	2,295.85	3/4	2,074.64	3/4	1,853.40	3/4	1,632.15
3	3	3	3	3	3	3	3	3	2,729.78	3	2,511.15	3	2,291.24	3	2,070.03	3	1,848.79	3	1,627.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,725.25	1/4	2,506.59	1/4	2,286.64	1/4	2,065.42	1/4	1,844.18	1/4	1,622.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,720.72	1/2	2,502.03	1/2	2,282.03	1/2	2,060.81	1/2	1,839.58	1/2	1,618.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,716.19	3/4	2,497.47	3/4	2,277.42	3/4	2,056.21	3/4	1,834.97	3/4	1,613.71
4	4	4	4	4	4	4	4	4	2,711.67	4	2,492.91	4	2,272.81	4	2,051.60	4	1,830.36	4	1,609.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,707.12	1/4	2,488.35	1/4	2,268.20	1/4	2,046.99	1/4	1,825.75	1/4	1,604.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,702.58	1/2	2,483.80	1/2	2,263.59	1/2	2,042.38	1/2	1,821.14	1/2	1,599.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,698.03	3/4	2,479.24	3/4	2,258.98	3/4	2,037.77	3/4	1,816.53	3/4	1,595.27
5	5	5	5	5	5	5	5	5	2,693.49	5	2,474.68	5	2,254.38	5	2,033.16	5	1,811.92	5	1,590.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,688.93	1/4	2,470.12	1/4	2,249.77	1/4	2,028.55	1/4	1,807.31	1/4	1,586.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,684.38	1/2	2,465.56	1/2	2,245.16	1/2	2,023.95	1/2	1,802.70	1/2	1,581.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,679.83	3/4	2,461.00	3/4	2,240.55	3/4	2,019.34	3/4	1,798.09	3/4	1,576.83
6	6	6	6	6	6	6	6	6	2,675.27	6	2,456.44	6	2,235.94	6	2,014.73	6	1,793.48	6	1,572.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,670.72	1/4	2,451.88	1/4	2,231.33	1/4	2,010.12	1/4	1,788.87	1/4	1,567.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,666.16	1/2	2,447.32	1/2	2,226.72	1/2	2,005.51	1/2	1,784.26	1/2	1,563.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,661.60	3/4	2,442.76	3/4	2,222.12	3/4	2,000.90	3/4	1,779.65	3/4	1,558.40
7	7	7	7	7	7	7	7	7	2,657.05	7	2,438.20	7	2,217.51	7	1,996.29	7	1,775.04	7	1,553.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,652.49	1/4	2,433.64	1/4	2,212.90	1/4	1,991.69	1/4	1,770.43	1/4	1,549.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,647.93	1/2	2,429.08	1/2	2,208.29	1/2	1,987.08	1/2	1,765.82	1/2	1,544.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,643.37	3/4	2,424.52	3/4	2,203.68	3/4	1,982.47	3/4	1,761.21	3/4	1,539.96
8	8	8	8	8	8	8	8	8	2,638.81	8	2,419.97	8	2,199.07	8	1,977.86	8	1,756.60	8	1,535.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,634.25	1/4	2,415.41	1/4	2,194.46	1/4	1,973.25	1/4	1,751.99	1/4	1,530.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,629.69	1/2	2,410.85	1/2	2,189.86	1/2	1,968.64	1/2	1,747.39	1/2	1,526.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,625.13	3/4	2,406.29	3/4	2,185.25	3/4	1,964.03	3/4	1,742.78	3/4	1,521.52
9	9	9	9	9	9	9	9	9	2,620.57	9	2,401.73	9	2,180.64	9	1,959.42	9	1,738.17	9	1,516.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,616.01	1/4	2,397.15	1/4	2,176.03	1/4	1,954.81	1/4	1,733.56	1/4	1,512.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,611.46	1/2	2,392.57	1/2	2,171.42	1/2	1,950.20	1/2	1,728.95	1/2	1,507.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,606.90	3/4	2,387.99	3/4	2,166.81	3/4	1,945.59	3/4	1,724.34	3/4	1,503.08
10	10	10	10	10	10	10	10	10	2,602.34	10	2,383.40	10	2,162.20	10	1,940.98	10	1,719.73	10	1,498.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,597.78	1/4	2,378.80	1/4	2,157.60	1/4	1,936.37	1/4	1,715.12	1/4	1,493.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,593.22	1/2	2,374.19	1/2	2,152.99	1/2	1,931.77	1/2	1,710.51	1/2	1,489.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,588.66	3/4	2,369.59	3/4	2,148.38	3/4	1,927.16	3/4	1,705.90	3/4	1,484.64
11	11	11	11	11	11	11	11	11	2,584.10	11	2,364.98	11	2,143.77	11	1,922.55	11	1,701.29	11	1,480.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,579.54	1/4	2,360.37	1/4	2,139.16	1/4	1,917.94	1/4	1,696.68	1/4	1,475.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,574.98	1/2	2,355.77	1/2	2,134.55	1/2	1,913.33	1/2	1,692.07	1/2	1,470.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,570.42	3/4	2,351.16	3/4	2,129.94	3/4	1,908.72	3/4	1,687.46	3/4	1,466.21

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 AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "BUFFALO 400"

5 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	1,241.70	0	1,021.07	0	800.81	0	579.70	0	361.76	0	145.78	0		0		0		0	
1/4	1,237.09	1/4	1,016.49	1/4	796.20	1/4	575.09	1/4	357.34	1/4	141.17	1/4		1/4		1/4		1/4	
1/2	1,232.48	1/2	1,011.92	1/2	791.59	1/2	570.49	1/2	352.92	1/2	136.56	1/2		1/2		1/2		1/2	
3/4	1,227.87	3/4	1,007.34	3/4	786.99	3/4	565.88	3/4	348.49	3/4	131.95	3/4		3/4		3/4		3/4	
1	1,223.26	1	1,002.76	1	782.38	1	561.27	1	344.07	1	127.34	1		1		1		1	
1/4	1,218.65	1/4	998.19	1/4	777.77	1/4	556.67	1/4	339.65	1/4	122.73	1/4		1/4		1/4		1/4	
1/2	1,214.04	1/2	993.61	1/2	773.17	1/2	552.06	1/2	335.22	1/2	118.12	1/2		1/2		1/2		1/2	
3/4	1,209.43	3/4	989.03	3/4	768.56	3/4	547.45	3/4	330.80	3/4	113.50	3/4		3/4		3/4		3/4	
2	1,204.82	2	984.46	2	763.95	2	542.85	2	326.38	2	108.89	2		2		2		2	
1/4	1,200.21	1/4	979.88	1/4	759.35	1/4	538.24	1/4	321.96	1/4	104.28	1/4		1/4		1/4		1/4	
1/2	1,195.60	1/2	975.30	1/2	754.74	1/2	533.63	1/2	317.54	1/2	99.67	1/2		1/2		1/2		1/2	
3/4	1,190.99	3/4	970.73	3/4	750.13	3/4	529.03	3/4	313.12	3/4	95.06	3/4		3/4		3/4		3/4	
3	1,186.38	3	966.15	3	745.53	3	524.42	3	308.70	3	90.45	3		3		3		3	
1/4	1,181.77	1/4	961.57	1/4	740.92	1/4	519.81	1/4	304.27	1/4	85.99	1/4		1/4		1/4		1/4	
1/2	1,177.16	1/2	957.00	1/2	736.32	1/2	515.21	1/2	299.85	1/2	81.53	1/2		1/2		1/2		1/2	
3/4	1,172.55	3/4	952.42	3/4	731.71	3/4	510.60	3/4	295.43	3/4	77.06	3/4		3/4		3/4		3/4	
4	1,167.94	4	947.84	4	727.10	4	506.00	4	291.01	4	72.60	4		4		4		4	
1/4	1,163.33	1/4	943.27	1/4	722.50	1/4	501.39	1/4	286.59	1/4	68.16	1/4		1/4		1/4		1/4	
1/2	1,158.72	1/2	938.69	1/2	717.89	1/2	496.78	1/2	282.17	1/2	63.73	1/2		1/2		1/2		1/2	
3/4	1,154.11	3/4	934.11	3/4	713.28	3/4	492.18	3/4	277.74	3/4	59.29	3/4		3/4		3/4		3/4	
5	1,149.50	5	929.54	5	708.68	5	487.57	5	273.32	5	54.85	5		5		5		5	
1/4	1,144.89	1/4	924.96	1/4	704.07	1/4	482.96	1/4	268.89	1/4	50.75	1/4		1/4		1/4		1/4	
1/2	1,140.28	1/2	920.38	1/2	699.46	1/2	478.36	1/2	264.46	1/2	46.66	1/2		1/2		1/2		1/2	
3/4	1,135.67	3/4	915.80	3/4	694.86	3/4	473.75	3/4	260.02	3/4	42.56	3/4		3/4		3/4		3/4	
6	1,131.06	6	911.23	6	690.25	6	469.14	6	255.59	6	38.47	6		6		6		6	
1/4	1,126.45	1/4	906.65	1/4	685.65	1/4	464.54	1/4	251.15	1/4	35.09	1/4		1/4		1/4		1/4	
1/2	1,121.84	1/2	902.07	1/2	681.04	1/2	459.93	1/2	246.72	1/2	31.72	1/2		1/2		1/2		1/2	
3/4	1,117.23	3/4	897.50	3/4	676.43	3/4	455.33	3/4	242.28	3/4	28.34	3/4		3/4		3/4		3/4	
7	1,112.63	7	892.92	7	671.83	7	450.72	7	237.85	7	24.97	7		7		7		7	
1/4	1,108.04	1/4	888.32	1/4	667.22	1/4	446.25	1/4	233.27	1/4	22.38	1/4		1/4		1/4		1/4	
1/2	1,103.46	1/2	883.71	1/2	662.61	1/2	441.78	1/2	228.70	1/2	19.79	1/2		1/2		1/2		1/2	
3/4	1,098.88	3/4	879.11	3/4	658.01	3/4	437.31	3/4	224.12	3/4	17.20	3/4		3/4		3/4		3/4	
8	1,094.30	8	874.51	8	653.40	8	432.84	8	219.55	8	14.61	8		8		8		8	
1/4	1,089.72	1/4	869.90	1/4	648.79	1/4	428.39	1/4	214.94	1/4	12.81	1/4		1/4		1/4		1/4	
1/2	1,085.15	1/2	865.29	1/2	644.19	1/2	423.94	1/2	210.33	1/2	11.02	1/2		1/2		1/2		1/2	
3/4	1,080.57	3/4	860.69	3/4	639.58	3/4	419.48	3/4	205.72	3/4	9.22	3/4		3/4		3/4		3/4	
9	1,075.99	9	856.08	9	634.97	9	415.03	9	201.11	9	7.43	9		9		9		9	
1/4	1,071.42	1/4	851.48	1/4	630.37	1/4	410.59	1/4	196.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,066.84	1/2	846.87	1/2	625.76	1/2	406.15	1/2	191.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,062.26	3/4	842.26	3/4	621.16	3/4	401.71	3/4	187.28	3/4		3/4		3/4		3/4		3/4	
10	1,057.69	10	837.66	10	616.55	10	397.27	10	182.67	10		10		10		10		10	
1/4	1,053.11	1/4	833.05	1/4	611.94	1/4	392.83	1/4	178.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,048.53	1/2	828.44	1/2	607.34	1/2	388.39	1/2	173.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,043.96	3/4	823.84	3/4	602.73	3/4	383.96	3/4	168.84	3/4		3/4		3/4		3/4		3/4	
11	1,039.38	11	819.23	11	598.12	11	379.52	11	164.23	11		11		11		11		11	
1/4	1,034.80	1/4	814.62	1/4	593.52	1/4	375.08	1/4	159.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,030.23	1/2	810.02	1/2	588.91	1/2	370.64	1/2	155.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,025.65	3/4	805.41	3/4	584.30	3/4	366.20	3/4	150.39	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "BUFFALO 400"

5 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	7.47	0	201.39	0	415.53	0	635.71	0	857.04	0	1,077.18	0	1,298.43	0	1,519.92	0	1,741.42	0	1,962.92
1/4	9.27	1/4	206.00	1/4	419.99	1/4	640.32	1/4	861.65	1/4	1,081.76	1/4	1,303.04	1/4	1,524.54	1/4	1,746.03	1/4	1,967.53
1/2	11.07	1/2	210.61	1/2	424.45	1/2	644.93	1/2	866.27	1/2	1,086.34	1/2	1,307.66	1/2	1,529.15	1/2	1,750.65	1/2	1,972.14
3/4	12.87	3/4	215.23	3/4	428.90	3/4	649.54	3/4	870.88	3/4	1,090.92	3/4	1,312.27	3/4	1,533.77	3/4	1,755.26	3/4	1,976.75
1	14.67	1	219.84	1	433.36	1	654.15	1	875.49	1	1,095.51	1	1,316.89	1	1,538.38	1	1,759.88	1	1,981.37
1/4	17.26	1/4	224.42	1/4	437.83	1/4	658.76	1/4	880.09	1/4	1,100.09	1/4	1,321.50	1/4	1,543.00	1/4	1,764.49	1/4	1,985.98
1/2	19.86	1/2	229.00	1/2	442.31	1/2	663.37	1/2	884.70	1/2	1,104.68	1/2	1,326.11	1/2	1,547.61	1/2	1,769.11	1/2	1,990.60
3/4	22.46	3/4	233.58	3/4	446.78	3/4	667.98	3/4	889.31	3/4	1,109.26	3/4	1,330.73	3/4	1,552.22	3/4	1,773.72	3/4	1,995.21
2	25.05	2	238.16	2	451.26	2	672.59	2	893.92	2	1,113.85	2	1,335.34	2	1,556.84	2	1,778.34	2	1,999.82
1/4	28.43	1/4	242.60	1/4	455.87	1/4	677.21	1/4	898.50	1/4	1,118.46	1/4	1,339.96	1/4	1,561.45	1/4	1,782.95	1/4	2,004.44
1/2	31.81	1/2	247.04	1/2	460.48	1/2	681.82	1/2	903.08	1/2	1,123.08	1/2	1,344.57	1/2	1,566.07	1/2	1,787.56	1/2	2,009.05
3/4	35.19	3/4	251.48	3/4	465.09	3/4	686.43	3/4	907.66	3/4	1,127.69	3/4	1,349.19	3/4	1,570.68	3/4	1,792.18	3/4	2,013.66
3	38.57	3	255.92	3	469.70	3	691.04	3	912.24	3	1,132.31	3	1,353.80	3	1,575.30	3	1,796.79	3	2,018.28
1/4	42.67	1/4	260.36	1/4	474.31	1/4	695.65	1/4	916.82	1/4	1,136.92	1/4	1,358.42	1/4	1,579.91	1/4	1,801.41	1/4	2,022.89
1/2	46.77	1/2	264.79	1/2	478.92	1/2	700.26	1/2	921.40	1/2	1,141.53	1/2	1,363.03	1/2	1,584.53	1/2	1,806.02	1/2	2,027.50
3/4	50.87	3/4	269.23	3/4	483.54	3/4	704.87	3/4	925.99	3/4	1,146.15	3/4	1,367.64	3/4	1,589.14	3/4	1,810.64	3/4	2,032.12
4	54.97	4	273.67	4	488.15	4	709.48	4	930.57	4	1,150.76	4	1,372.26	4	1,593.76	4	1,815.25	4	2,036.73
1/4	59.41	1/4	278.10	1/4	492.76	1/4	714.10	1/4	935.15	1/4	1,155.38	1/4	1,376.87	1/4	1,598.37	1/4	1,819.87	1/4	2,041.34
1/2	63.85	1/2	282.52	1/2	497.37	1/2	718.71	1/2	939.73	1/2	1,159.99	1/2	1,381.49	1/2	1,602.98	1/2	1,824.48	1/2	2,045.96
3/4	68.30	3/4	286.95	3/4	501.98	3/4	723.32	3/4	944.31	3/4	1,164.61	3/4	1,386.10	3/4	1,607.60	3/4	1,829.09	3/4	2,050.57
5	72.74	5	291.38	5	506.59	5	727.93	5	948.89	5	1,169.22	5	1,390.72	5	1,612.21	5	1,833.71	5	2,055.19
1/4	77.21	1/4	295.80	1/4	511.20	1/4	732.54	1/4	953.48	1/4	1,173.84	1/4	1,395.33	1/4	1,616.83	1/4	1,838.32	1/4	2,059.80
1/2	81.67	1/2	300.23	1/2	515.81	1/2	737.15	1/2	958.06	1/2	1,178.45	1/2	1,399.95	1/2	1,621.44	1/2	1,842.94	1/2	2,064.41
3/4	86.14	3/4	304.66	3/4	520.43	3/4	741.76	3/4	962.64	3/4	1,183.06	3/4	1,404.56	3/4	1,626.06	3/4	1,847.55	3/4	2,069.03
6	90.61	6	309.08	6	525.04	6	746.37	6	967.22	6	1,187.68	6	1,409.18	6	1,630.67	6	1,852.17	6	2,073.64
1/4	95.22	1/4	313.51	1/4	529.65	1/4	750.99	1/4	971.80	1/4	1,192.29	1/4	1,413.79	1/4	1,635.29	1/4	1,856.78	1/4	2,078.25
1/2	99.84	1/2	317.93	1/2	534.26	1/2	755.60	1/2	976.38	1/2	1,196.91	1/2	1,418.40	1/2	1,639.90	1/2	1,861.40	1/2	2,082.87
3/4	104.46	3/4	322.36	3/4	538.87	3/4	760.21	3/4	980.97	3/4	1,201.52	3/4	1,423.02	3/4	1,644.51	3/4	1,866.01	3/4	2,087.48
7	109.07	7	326.79	7	543.48	7	764.82	7	985.55	7	1,206.14	7	1,427.63	7	1,649.13	7	1,870.63	7	2,092.09
1/4	113.69	1/4	331.21	1/4	548.09	1/4	769.43	1/4	990.13	1/4	1,210.75	1/4	1,432.25	1/4	1,653.74	1/4	1,875.24	1/4	2,096.71
1/2	118.30	1/2	335.64	1/2	552.70	1/2	774.04	1/2	994.71	1/2	1,215.37	1/2	1,436.86	1/2	1,658.36	1/2	1,879.85	1/2	2,101.32
3/4	122.92	3/4	340.07	3/4	557.31	3/4	778.65	3/4	999.29	3/4	1,219.98	3/4	1,441.48	3/4	1,662.97	3/4	1,884.47	3/4	2,105.94
8	127.53	8	344.49	8	561.93	8	783.26	8	1,003.87	8	1,224.60	8	1,446.09	8	1,667.59	8	1,889.08	8	2,110.55
1/4	132.15	1/4	348.92	1/4	566.54	1/4	787.87	1/4	1,008.46	1/4	1,229.21	1/4	1,450.71	1/4	1,672.20	1/4	1,893.70	1/4	2,115.16
1/2	136.77	1/2	353.35	1/2	571.15	1/2	792.49	1/2	1,013.04	1/2	1,233.82	1/2	1,455.32	1/2	1,676.82	1/2	1,898.31	1/2	2,119.78
3/4	141.38	3/4	357.78	3/4	575.76	3/4	797.10	3/4	1,017.62	3/4	1,238.44	3/4	1,459.93	3/4	1,681.43	3/4	1,902.93	3/4	2,124.39
9	146.00	9	362.21	9	580.37	9	801.71	9	1,022.20	9	1,243.05	9	1,464.55	9	1,686.05	9	1,907.54	9	2,129.00
1/4	150.61	1/4	366.65	1/4	584.98	1/4	806.32	1/4	1,026.78	1/4	1,247.67	1/4	1,469.16	1/4	1,690.66	1/4	1,912.16	1/4	2,133.62
1/2	155.23	1/2	371.09	1/2	589.59	1/2	810.93	1/2	1,031.36	1/2	1,252.28	1/2	1,473.78	1/2	1,695.27	1/2	1,916.77	1/2	2,138.23
3/4	159.85	3/4	375.54	3/4	594.20	3/4	815.54	3/4	1,035.94	3/4	1,256.90	3/4	1,478.39	3/4	1,699.89	3/4	1,921.38	3/4	2,142.84
10	164.46	10	379.98	10	598.82	10	820.15	10	1,040.53	10	1,261.51	10	1,483.01	10	1,704.50	10	1,926.00	10	2,147.46
1/4	169.08	1/4	384.42	1/4	603.43	1/4	824.76	1/4	1,045.11	1/4	1,266.13	1/4	1,487.62	1/4	1,709.12	1/4	1,930.61	1/4	2,152.07
1/2	173.69	1/2	388.87	1/2	608.04	1/2	829.38	1/2	1,049.69	1/2	1,270.74	1/2	1,492.24	1/2	1,713.73	1/2	1,935.23	1/2	2,156.68
3/4	178.31	3/4	393.31	3/4	612.65	3/4	833.99	3/4	1,054.27	3/4	1,275.35	3/4	1,496.85	3/4	1,718.35	3/4	1,939.84	3/4	2,161.30
11	182.92	11	397.75	11	617.26	11	838.60	11	1,058.85	11	1,279.97	11	1,501.47	11	1,722.96	11	1,944.46	11	2,165.91
1/4	187.54	1/4	402.20	1/4	621.87	1/4	843.21	1/4	1,063.43	1/4	1,284.58	1/4	1,506.08	1/4	1,727.58	1/4	1,949.07	1/4	2,170.53
1/2	192.16	1/2	406.64	1/2	626.48	1/2	847.82	1/2	1,068.02	1/2	1,289.20	1/2	1,510.69	1/2	1,732.19	1/2	1,953.69	1/2	2,175.14
3/4	196.77	3/4	411.09	3/4	631.09	3/4	852.43	3/4	1,072.60	3/4	1,293.81	3/4	1,515.31	3/4	1,736.80	3/4	1,958.30	3/4	2,179.75

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "BUFFALO 400"

5 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	2,184.37	0	2,405.69	0	2,624.78	0		0		0		0		0		0		0	
1/4	2,188.98	1/4	2,410.26	1/4	2,629.34	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,193.59	1/2	2,414.82	1/2	2,633.91	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,198.21	3/4	2,419.39	3/4	2,638.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	2,202.82	1	2,423.95	1	2,643.04	1		1		1		1		1		1		1	
1/4	2,207.43	1/4	2,428.52	1/4	2,647.60	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,212.05	1/2	2,433.08	1/2	2,652.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,216.66	3/4	2,437.64	3/4	2,656.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2,221.28	2	2,442.21	2	2,661.29	2		2		2		2		2		2		2	
1/4	2,225.89	1/4	2,446.77	1/4	2,665.86	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,230.50	1/2	2,451.34	1/2	2,670.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,235.12	3/4	2,455.90	3/4	2,674.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	2,239.73	3	2,460.47	3	2,679.55	3		3		3		3		3		3		3	
1/4	2,244.34	1/4	2,465.03	1/4	2,684.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,248.96	1/2	2,469.59	1/2	2,688.67	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,253.57	3/4	2,474.16	3/4	2,693.22	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	2,258.18	4	2,478.72	4	2,697.78	4		4		4		4		4		4		4	
1/4	2,262.80	1/4	2,483.29	1/4	2,702.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,267.41	1/2	2,487.85	1/2	2,706.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,272.02	3/4	2,492.42	3/4	2,711.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,276.64	5	2,496.98	5	2,715.98	5		5		5		5		5		5		5	
1/4	2,281.25	1/4	2,501.54	1/4	2,720.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,285.87	1/2	2,506.11	1/2	2,725.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,290.48	3/4	2,510.67	3/4	2,729.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,295.09	6	2,515.24	6	2,734.12	6		6		6		6		6		6		6	
1/4	2,299.71	1/4	2,519.80	1/4	2,738.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,304.32	1/2	2,524.37	1/2	2,743.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,308.93	3/4	2,528.93	3/4	2,747.51	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,313.55	7	2,533.49	7	2,751.98	7		7		7		7		7		7		7	
1/4	2,318.16	1/4	2,538.06	1/4	2,756.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,322.77	1/2	2,542.62	1/2	2,760.36	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,327.39	3/4	2,547.19	3/4	2,764.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,332.00	8	2,551.75	8	2,768.74	8		8		8		8		8		8		8	
1/4	2,336.62	1/4	2,556.32	1/4	2,771.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,341.23	1/2	2,560.88	1/2	2,775.12	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,345.84	3/4	2,565.44	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,350.46	9	2,570.01	9		9		9		9		9		9		9		9	
1/4	2,355.07	1/4	2,574.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,359.68	1/2	2,579.14	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,364.30	3/4	2,583.70	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,368.91	10	2,588.27	10		10		10		10		10		10		10		10	
1/4	2,373.52	1/4	2,592.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,378.13	1/2	2,597.39	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,382.74	3/4	2,601.96	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,387.35	11	2,606.52	11		11		11		11		11		11		11		11	
1/4	2,391.94	1/4	2,611.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,396.52	1/2	2,615.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,401.11	3/4	2,620.22	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: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

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



BARGE "BUFFALO 400"

5 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	2,570.01	0	2,350.45	0	2,129.00	0	1,907.54	0	1,686.04	0	1,464.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,565.44	1/4	2,345.84	1/4	2,124.39	1/4	1,902.92	1/4	1,681.43	1/4	1,459.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,775.12	1/2	2,560.88	1/2	2,341.23	1/2	2,119.77	1/2	1,898.31	1/2	1,455.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,771.93	3/4	2,556.31	3/4	2,336.61	3/4	2,115.16	3/4	1,893.69	3/4	1,450.70
1		1		1		1		1	2,768.74	1	2,551.75	1	2,332.00	1	2,110.55	1	1,889.08	1	1,667.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,764.54	1/4	2,547.18	1/4	2,327.39	1/4	2,105.93	1/4	1,884.47	1/4	1,662.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,760.35	1/2	2,542.62	1/2	2,322.77	1/2	2,101.32	1/2	1,879.85	1/2	1,658.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,756.16	3/4	2,538.06	3/4	2,318.16	3/4	2,096.71	3/4	1,875.24	3/4	1,653.74
2		2		2		2		2	2,751.97	2	2,533.49	2	2,313.54	2	2,092.09	2	1,870.62	2	1,649.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,747.51	1/4	2,528.93	1/4	2,308.93	1/4	2,087.48	1/4	1,866.01	1/4	1,644.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,743.04	1/2	2,524.36	1/2	2,304.32	1/2	2,082.86	1/2	1,861.39	1/2	1,639.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,738.58	3/4	2,519.80	3/4	2,299.70	3/4	2,078.25	3/4	1,856.78	3/4	1,635.28
3		3		3		3		3	2,734.11	3	2,515.23	3	2,295.09	3	2,073.64	3	1,852.16	3	1,630.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,729.58	1/4	2,510.67	1/4	2,290.48	1/4	2,069.02	1/4	1,847.55	1/4	1,626.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,725.05	1/2	2,506.11	1/2	2,285.86	1/2	2,064.41	1/2	1,842.94	1/2	1,621.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,720.51	3/4	2,501.54	3/4	2,281.25	3/4	2,059.80	3/4	1,838.32	3/4	1,616.82
4		4		4		4		4	2,715.98	4	2,496.98	4	2,276.64	4	2,055.18	4	1,833.71	4	1,612.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,711.43	1/4	2,492.41	1/4	2,272.02	1/4	2,050.57	1/4	1,829.09	1/4	1,607.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,706.88	1/2	2,487.85	1/2	2,267.41	1/2	2,045.96	1/2	1,824.48	1/2	1,602.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,702.33	3/4	2,483.28	3/4	2,262.79	3/4	2,041.34	3/4	1,819.86	3/4	1,598.37
5		5		5		5		5	2,697.78	5	2,478.72	5	2,258.18	5	2,036.73	5	1,815.25	5	1,593.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,693.22	1/4	2,474.16	1/4	2,253.57	1/4	2,032.11	1/4	1,810.63	1/4	1,589.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,688.66	1/2	2,469.59	1/2	2,248.95	1/2	2,027.50	1/2	1,806.02	1/2	1,584.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,684.10	3/4	2,465.03	3/4	2,244.34	3/4	2,022.89	3/4	1,801.40	3/4	1,579.91
6		6		6		6		6	2,679.55	6	2,460.46	6	2,239.73	6	2,018.27	6	1,796.79	6	1,575.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,674.98	1/4	2,455.90	1/4	2,235.11	1/4	2,013.66	1/4	1,792.18	1/4	1,570.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,670.42	1/2	2,451.33	1/2	2,230.50	1/2	2,009.05	1/2	1,787.56	1/2	1,566.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,665.86	3/4	2,446.77	3/4	2,225.89	3/4	2,004.43	3/4	1,782.95	3/4	1,561.45
7		7		7		7		7	2,661.29	7	2,442.21	7	2,221.27	7	1,999.82	7	1,778.33	7	1,556.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,656.73	1/4	2,437.64	1/4	2,216.66	1/4	1,995.21	1/4	1,773.72	1/4	1,552.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,652.16	1/2	2,433.08	1/2	2,212.05	1/2	1,990.59	1/2	1,769.10	1/2	1,547.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,647.60	3/4	2,428.51	3/4	2,207.43	3/4	1,985.98	3/4	1,764.49	3/4	1,542.99
8		8		8		8		8	2,643.03	8	2,423.95	8	2,202.82	8	1,981.37	8	1,759.87	8	1,538.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,638.47	1/4	2,419.38	1/4	2,198.20	1/4	1,976.75	1/4	1,755.26	1/4	1,533.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,633.91	1/2	2,414.82	1/2	2,193.59	1/2	1,972.14	1/2	1,750.65	1/2	1,529.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,629.34	3/4	2,410.26	3/4	2,188.98	3/4	1,967.53	3/4	1,746.03	3/4	1,524.53
9		9		9		9		9	2,624.78	9	2,405.69	9	2,184.36	9	1,962.91	9	1,741.42	9	1,519.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,620.21	1/4	2,401.10	1/4	2,179.75	1/4	1,958.30	1/4	1,736.80	1/4	1,515.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,615.65	1/2	2,396.52	1/2	2,175.14	1/2	1,953.68	1/2	1,732.19	1/2	1,510.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,611.08	3/4	2,391.93	3/4	2,170.52	3/4	1,949.07	3/4	1,727.57	3/4	1,506.08
10		10		10		10		10	2,606.52	10	2,387.35	10	2,165.91	10	1,944.45	10	1,722.96	10	1,501.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,601.96	1/4	2,382.74	1/4	2,161.30	1/4	1,939.84	1/4	1,718.34	1/4	1,496.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,597.39	1/2	2,378.13	1/2	2,156.68	1/2	1,935.23	1/2	1,713.73	1/2	1,492.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,592.83	3/4	2,373.52	3/4	2,152.07	3/4	1,930.61	3/4	1,709.11	3/4	1,487.62
11		11		11		11		11	2,588.26	11	2,368.91	11	2,147.45	11	1,926.00	11	1,704.50	11	1,483.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,583.70	1/4	2,364.29	1/4	2,142.84	1/4	1,921.38	1/4	1,699.89	1/4	1,478.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,579.13	1/2	2,359.68	1/2	2,138.23	1/2	1,916.77	1/2	1,695.27	1/2	1,473.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,574.57	3/4	2,355.07	3/4	2,133.61	3/4	1,912.15	3/4	1,690.66	3/4	1,469.16

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 AT 8" DIAMETER STANDPIPE.
 GAUGE POINT: (8" STANDPIPE) LOCATED 12'-08" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "BUFFALO 400"

5 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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	1,243.05	0	1,022.20	0	801.71	0	580.37	0	362.20	0	146.00	0		0		0		0	
1/4	1,238.44	1/4	1,017.62	1/4	797.09	1/4	575.76	1/4	357.77	1/4	141.38	1/4		1/4		1/4		1/4	
1/2	1,233.82	1/2	1,013.03	1/2	792.48	1/2	571.15	1/2	353.35	1/2	136.76	1/2		1/2		1/2		1/2	
3/4	1,229.21	3/4	1,008.45	3/4	787.87	3/4	566.53	3/4	348.92	3/4	132.15	3/4		3/4		3/4		3/4	
1	1,224.59	1	1,003.87	1	783.26	1	561.92	1	344.49	1	127.53	1		1		1		1	
1/4	1,219.98	1/4	999.29	1/4	778.65	1/4	557.31	1/4	340.06	1/4	122.92	1/4		1/4		1/4		1/4	
1/2	1,215.36	1/2	994.71	1/2	774.04	1/2	552.70	1/2	335.64	1/2	118.30	1/2		1/2		1/2		1/2	
3/4	1,210.75	3/4	990.13	3/4	769.43	3/4	548.09	3/4	331.21	3/4	113.68	3/4		3/4		3/4		3/4	
2	1,206.13	2	985.54	2	764.82	2	543.48	2	326.78	2	109.07	2		2		2		2	
1/4	1,201.52	1/4	980.96	1/4	760.20	1/4	538.87	1/4	322.36	1/4	104.45	1/4		1/4		1/4		1/4	
1/2	1,196.91	1/2	976.38	1/2	755.59	1/2	534.26	1/2	317.93	1/2	99.84	1/2		1/2		1/2		1/2	
3/4	1,192.29	3/4	971.80	3/4	750.98	3/4	529.64	3/4	313.50	3/4	95.22	3/4		3/4		3/4		3/4	
3	1,187.68	3	967.22	3	746.37	3	525.03	3	309.08	3	90.60	3		3		3		3	
1/4	1,183.06	1/4	962.64	1/4	741.76	1/4	520.42	1/4	304.65	1/4	86.14	1/4		1/4		1/4		1/4	
1/2	1,178.45	1/2	958.05	1/2	737.15	1/2	515.81	1/2	300.23	1/2	81.67	1/2		1/2		1/2		1/2	
3/4	1,173.83	3/4	953.47	3/4	732.54	3/4	511.20	3/4	295.80	3/4	77.20	3/4		3/4		3/4		3/4	
4	1,169.22	4	948.89	4	727.93	4	506.59	4	291.37	4	72.74	4		4		4		4	
1/4	1,164.60	1/4	944.31	1/4	723.31	1/4	501.98	1/4	286.95	1/4	68.29	1/4		1/4		1/4		1/4	
1/2	1,159.99	1/2	939.73	1/2	718.70	1/2	497.37	1/2	282.52	1/2	63.85	1/2		1/2		1/2		1/2	
3/4	1,155.37	3/4	935.15	3/4	714.09	3/4	492.75	3/4	278.09	3/4	59.41	3/4		3/4		3/4		3/4	
5	1,150.76	5	930.56	5	709.48	5	488.14	5	273.67	5	54.97	5		5		5		5	
1/4	1,146.15	1/4	925.98	1/4	704.87	1/4	483.53	1/4	269.23	1/4	50.86	1/4		1/4		1/4		1/4	
1/2	1,141.53	1/2	921.40	1/2	700.26	1/2	478.92	1/2	264.79	1/2	46.76	1/2		1/2		1/2		1/2	
3/4	1,136.92	3/4	916.82	3/4	695.65	3/4	474.31	3/4	260.35	3/4	42.66	3/4		3/4		3/4		3/4	
6	1,132.30	6	912.24	6	691.04	6	469.70	6	255.91	6	38.56	6		6		6		6	
1/4	1,127.69	1/4	907.66	1/4	686.43	1/4	465.09	1/4	251.47	1/4	35.18	1/4		1/4		1/4		1/4	
1/2	1,123.07	1/2	903.08	1/2	681.81	1/2	460.48	1/2	247.03	1/2	31.81	1/2		1/2		1/2		1/2	
3/4	1,118.46	3/4	898.49	3/4	677.20	3/4	455.87	3/4	242.59	3/4	28.43	3/4		3/4		3/4		3/4	
7	1,113.84	7	893.91	7	672.59	7	451.25	7	238.15	7	25.05	7		7		7		7	
1/4	1,109.26	1/4	889.31	1/4	667.98	1/4	446.78	1/4	233.58	1/4	22.45	1/4		1/4		1/4		1/4	
1/2	1,104.67	1/2	884.70	1/2	663.37	1/2	442.30	1/2	229.00	1/2	19.86	1/2		1/2		1/2		1/2	
3/4	1,100.09	3/4	880.09	3/4	658.76	3/4	437.83	3/4	224.42	3/4	17.26	3/4		3/4		3/4		3/4	
8	1,095.50	8	875.48	8	654.15	8	433.35	8	219.84	8	14.67	8		8		8		8	
1/4	1,090.92	1/4	870.87	1/4	649.54	1/4	428.90	1/4	215.23	1/4	12.87	1/4		1/4		1/4		1/4	
1/2	1,086.34	1/2	866.26	1/2	644.92	1/2	424.44	1/2	210.61	1/2	11.07	1/2		1/2		1/2		1/2	
3/4	1,081.76	3/4	861.65	3/4	640.31	3/4	419.99	3/4	206.00	3/4	9.27	3/4		3/4		3/4		3/4	
9	1,077.18	9	857.04	9	635.70	9	415.53	9	201.38	9	7.47	9		9		9		9	
1/4	1,072.59	1/4	852.43	1/4	631.09	1/4	411.09	1/4	196.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,068.01	1/2	847.82	1/2	626.48	1/2	406.64	1/2	192.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,063.43	3/4	843.21	3/4	621.87	3/4	402.20	3/4	187.54	3/4		3/4		3/4		3/4		3/4	
10	1,058.85	10	838.59	10	617.26	10	397.75	10	182.92	10		10		10		10		10	
1/4	1,054.27	1/4	833.98	1/4	612.65	1/4	393.31	1/4	178.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,049.69	1/2	829.37	1/2	608.03	1/2	388.86	1/2	173.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,045.10	3/4	824.76	3/4	603.42	3/4	384.42	3/4	169.07	3/4		3/4		3/4		3/4		3/4	
11	1,040.52	11	820.15	11	598.81	11	379.98	11	164.46	11		11		11		11		11	
1/4	1,035.94	1/4	815.54	1/4	594.20	1/4	375.53	1/4	159.84	1/4		1/4		1/4		1/4		1/4	
1/2	1,031.36	1/2	810.93	1/2	589.59	1/2	371.09	1/2	155.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,026.78	3/4	806.32	3/4	584.98	3/4	366.65	3/4	150.61	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/27/2023 CL
CALCULATED: 12/28/2023 CL
PRINTED: 12/29/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

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