



BARGE "MMI 3031"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-5/8	- 00-5/8
1 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-5/8	- 00-5/8
2 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8
3 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-5/8	- 00-5/8
3 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-5/8	- 00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

August 23, 2023

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MMI 3031"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	5,060.83	0	4,694.21	0	4,327.58	0	3,960.96	0	3,594.33	0	3,227.71	0	2,861.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,053.19	1/4	4,686.57	1/4	4,319.94	1/4	3,953.32	1/4	3,586.69	1/4	3,220.07	1/4	2,853.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,045.55	1/2	4,678.93	1/2	4,312.30	1/2	3,945.68	1/2	3,579.05	1/2	3,212.43	1/2	2,845.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,037.92	3/4	4,671.29	3/4	4,304.67	3/4	3,938.05	3/4	3,571.42	3/4	3,204.80	3/4	2,838.17
1		1		1		1	5,030.28	1	4,663.65	1	4,297.03	1	3,930.41	1	3,563.78	1	3,197.16	1	2,830.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,022.64	1/4	4,656.01	1/4	4,289.39	1/4	3,922.77	1/4	3,556.14	1/4	3,189.52	1/4	2,822.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,015.00	1/2	4,648.37	1/2	4,281.75	1/2	3,915.13	1/2	3,548.50	1/2	3,181.88	1/2	2,815.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,007.37	3/4	4,640.74	3/4	4,274.12	3/4	3,907.49	3/4	3,540.87	3/4	3,174.25	3/4	2,807.62
2		2		2		2	4,999.73	2	4,633.10	2	4,266.48	2	3,899.85	2	3,533.23	2	3,166.61	2	2,799.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,992.09	1/4	4,625.46	1/4	4,258.84	1/4	3,892.21	1/4	3,525.59	1/4	3,159.08	1/4	2,792.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,984.45	1/2	4,617.82	1/2	4,251.20	1/2	3,884.57	1/2	3,517.95	1/2	3,151.55	1/2	2,784.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,976.81	3/4	4,610.19	3/4	4,243.57	3/4	3,876.94	3/4	3,510.32	3/4	3,144.03	3/4	2,777.07
3		3		3		3	4,969.17	3	4,602.55	3	4,235.93	3	3,869.30	3	3,502.68	3	3,136.50	3	2,769.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,961.53	1/4	4,594.91	1/4	4,228.29	1/4	3,861.66	1/4	3,495.04	1/4	3,128.75	1/4	2,761.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,953.89	1/2	4,587.27	1/2	4,220.65	1/2	3,854.02	1/2	3,487.40	1/2	3,121.00	1/2	2,754.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,946.26	3/4	4,579.64	3/4	4,213.01	3/4	3,846.39	3/4	3,479.77	3/4	3,113.25	3/4	2,746.52
4		4		4		4	4,938.62	4	4,572.00	4	4,205.37	4	3,838.75	4	3,472.13	4	3,105.50	4	2,738.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,930.98	1/4	4,564.36	1/4	4,197.73	1/4	3,831.11	1/4	3,464.49	1/4	3,097.86	1/4	2,731.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,923.34	1/2	4,556.72	1/2	4,190.09	1/2	3,823.47	1/2	3,456.85	1/2	3,090.22	1/2	2,723.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,915.71	3/4	4,549.09	3/4	4,182.46	3/4	3,815.84	3/4	3,449.21	3/4	3,082.59	3/4	2,715.97
5		5		5		5	4,908.07	5	4,541.45	5	4,174.82	5	3,808.20	5	3,441.57	5	3,074.95	5	2,708.33
1/4	1/4	1/4	5,182.94	1/4	4,900.43	1/4	4,533.81	1/4	4,167.18	1/4	3,800.56	1/4	3,433.93	1/4	3,067.31	1/4	2,700.69		
1/2	1/2	1/2	5,182.25	1/2	4,892.79	1/2	4,526.17	1/2	4,159.54	1/2	3,792.92	1/2	3,426.29	1/2	3,059.67	1/2	2,693.05		
3/4	3/4	3/4	5,181.57	3/4	4,885.16	3/4	4,518.53	3/4	4,151.91	3/4	3,785.29	3/4	3,418.66	3/4	3,052.04	3/4	2,685.41		
6		6	5,180.88	6	4,877.52	6	4,510.89	6	4,144.27	6	3,777.65	6	3,411.02	6	3,044.40	6	2,677.77		
1/4	1/4	1/4	5,179.15	1/4	4,869.88	1/4	4,503.25	1/4	4,136.63	1/4	3,770.01	1/4	3,403.38	1/4	3,036.76	1/4	2,670.13		
1/2	1/2	1/2	5,177.41	1/2	4,862.24	1/2	4,495.61	1/2	4,128.99	1/2	3,762.37	1/2	3,395.74	1/2	3,029.12	1/2	2,662.49		
3/4	3/4	3/4	5,175.68	3/4	4,854.61	3/4	4,487.98	3/4	4,121.36	3/4	3,754.73	3/4	3,388.11	3/4	3,021.49	3/4	2,654.86		
7		7	5,173.95	7	4,846.97	7	4,480.34	7	4,113.72	7	3,747.09	7	3,380.47	7	3,013.85	7	2,647.22		
1/4	1/4	1/4	5,170.83	1/4	4,839.33	1/4	4,472.70	1/4	4,106.08	1/4	3,739.45	1/4	3,372.83	1/4	3,006.21	1/4	2,639.51		
1/2	1/2	1/2	5,167.71	1/2	4,831.69	1/2	4,465.06	1/2	4,098.44	1/2	3,731.81	1/2	3,365.19	1/2	2,998.57	1/2	2,631.79		
3/4	3/4	3/4	5,164.59	3/4	4,824.05	3/4	4,457.43	3/4	4,090.81	3/4	3,724.18	3/4	3,357.56	3/4	2,990.93	3/4	2,624.08		
8		8	5,161.47	8	4,816.41	8	4,449.79	8	4,083.17	8	3,716.54	8	3,349.92	8	2,983.29	8	2,616.37		
1/4	1/4	1/4	5,156.96	1/4	4,808.77	1/4	4,442.15	1/4	4,075.53	1/4	3,708.90	1/4	3,342.28	1/4	2,975.65	1/4	2,608.81		
1/2	1/2	1/2	5,152.45	1/2	4,801.13	1/2	4,434.51	1/2	4,067.89	1/2	3,701.26	1/2	3,334.64	1/2	2,968.01	1/2	2,601.24		
3/4	3/4	3/4	5,147.95	3/4	4,793.50	3/4	4,426.88	3/4	4,060.25	3/4	3,693.63	3/4	3,327.01	3/4	2,960.38	3/4	2,593.68		
9		9	5,143.44	9	4,785.86	9	4,419.24	9	4,052.61	9	3,685.99	9	3,319.37	9	2,952.74	9	2,586.12		
1/4	1/4	1/4	5,137.54	1/4	4,778.22	1/4	4,411.60	1/4	4,044.97	1/4	3,678.35	1/4	3,311.73	1/4	2,945.10	1/4	2,578.48		
1/2	1/2	1/2	5,131.64	1/2	4,770.58	1/2	4,403.96	1/2	4,037.33	1/2	3,670.71	1/2	3,304.09	1/2	2,937.46	1/2	2,570.84		
3/4	3/4	3/4	5,125.74	3/4	4,762.95	3/4	4,396.33	3/4	4,029.70	3/4	3,663.08	3/4	3,296.45	3/4	2,929.83	3/4	2,563.21		
10		10	5,119.84	10	4,755.31	10	4,388.69	10	4,022.06	10	3,655.44	10	3,288.81	10	2,922.19	10	2,555.57		
1/4	1/4	1/4	5,112.72	1/4	4,747.67	1/4	4,381.05	1/4	4,014.42	1/4	3,647.80	1/4	3,281.17	1/4	2,914.55	1/4	2,547.93		
1/2	1/2	1/2	5,105.61	1/2	4,740.03	1/2	4,373.41	1/2	4,006.78	1/2	3,640.16	1/2	3,273.53	1/2	2,906.91	1/2	2,540.29		
3/4	3/4	3/4	5,098.49	3/4	4,732.40	3/4	4,365.77	3/4	3,999.15	3/4	3,632.53	3/4	3,265.90	3/4	2,899.28	3/4	2,532.65		
11		11	5,091.38	11	4,724.76	11	4,358.13	11	3,991.51	11	3,624.89	11	3,258.26	11	2,891.64	11	2,525.01		
1/4	1/4	1/4	5,083.74	1/4	4,717.12	1/4	4,350.49	1/4	3,983.87	1/4	3,617.25	1/4	3,250.62	1/4	2,884.00	1/4	2,517.37		
1/2	1/2	1/2	5,076.10	1/2	4,709.48	1/2	4,342.85	1/2	3,976.23	1/2	3,609.61	1/2	3,242.98	1/2	2,876.36	1/2	2,509.73		
3/4	3/4	3/4	5,068.47	3/4	4,701.85	3/4	4,335.22	3/4	3,968.60	3/4	3,601.97	3/4	3,235.35	3/4	2,868.73	3/4	2,502.10		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "MMI 3031"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-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	2,494.46	0	2,127.84	0	1,761.21	0	1,394.59	0	1,027.97	0	661.34	0	301.42	0		0		0	
1/4	2,486.82	1/4	2,120.20	1/4	1,753.57	1/4	1,386.95	1/4	1,020.33	1/4	653.70	1/4	294.24	1/4	1/4		1/4		1/4
1/2	2,479.18	1/2	2,112.56	1/2	1,745.93	1/2	1,379.31	1/2	1,012.69	1/2	646.06	1/2	287.05	1/2	1/2		1/2		1/2
3/4	2,471.55	3/4	2,104.93	3/4	1,738.30	3/4	1,371.68	3/4	1,005.05	3/4	638.43	3/4	279.87	3/4	3/4		3/4		3/4
1	2,463.91	1	2,097.29	1	1,730.66	1	1,364.04	1	997.41	1	630.79	1	272.69	1	1		1		1
1/4	2,456.27	1/4	2,089.65	1/4	1,723.02	1/4	1,356.40	1/4	989.72	1/4	623.15	1/4	265.67	1/4	1/4		1/4		1/4
1/2	2,448.63	1/2	2,082.01	1/2	1,715.38	1/2	1,348.76	1/2	982.03	1/2	615.51	1/2	258.64	1/2	1/2		1/2		1/2
3/4	2,441.00	3/4	2,074.37	3/4	1,707.75	3/4	1,341.13	3/4	974.34	3/4	607.88	3/4	251.62	3/4	3/4		3/4		3/4
2	2,433.36	2	2,066.73	2	1,700.11	2	1,333.49	2	966.65	2	600.24	2	244.60	2	2		2		2
1/4	2,425.72	1/4	2,059.09	1/4	1,692.47	1/4	1,325.85	1/4	959.06	1/4	592.60	1/4	237.63	1/4	1/4		1/4		1/4
1/2	2,418.08	1/2	2,051.45	1/2	1,684.83	1/2	1,318.21	1/2	951.48	1/2	584.96	1/2	230.66	1/2	1/2		1/2		1/2
3/4	2,410.45	3/4	2,043.82	3/4	1,677.20	3/4	1,310.57	3/4	943.89	3/4	577.33	3/4	223.69	3/4	3/4		3/4		3/4
3	2,402.81	3	2,036.18	3	1,669.56	3	1,302.93	3	936.31	3	569.69	3	216.72	3	3		3		3
1/4	2,395.17	1/4	2,028.54	1/4	1,661.92	1/4	1,295.29	1/4	928.67	1/4	562.05	1/4	209.75	1/4	1/4		1/4		1/4
1/2	2,387.53	1/2	2,020.90	1/2	1,654.28	1/2	1,287.65	1/2	921.03	1/2	554.41	1/2	202.78	1/2	1/2		1/2		1/2
3/4	2,379.89	3/4	2,013.27	3/4	1,646.65	3/4	1,280.02	3/4	913.40	3/4	546.77	3/4	195.81	3/4	3/4		3/4		3/4
4	2,372.25	4	2,005.63	4	1,639.01	4	1,272.38	4	905.76	4	539.13	4	188.84	4	4		4		4
1/4	2,364.61	1/4	1,997.99	1/4	1,631.37	1/4	1,264.74	1/4	898.12	1/4	531.49	1/4	182.03	1/4	1/4		1/4		1/4
1/2	2,356.97	1/2	1,990.35	1/2	1,623.73	1/2	1,257.10	1/2	890.48	1/2	523.85	1/2	175.21	1/2	1/2		1/2		1/2
3/4	2,349.34	3/4	1,982.72	3/4	1,616.09	3/4	1,249.47	3/4	882.85	3/4	516.22	3/4	168.40	3/4	3/4		3/4		3/4
5	2,341.70	5	1,975.08	5	1,608.45	5	1,241.83	5	875.21	5	508.58	5	161.59	5	5		5		5
1/4	2,334.06	1/4	1,967.44	1/4	1,600.81	1/4	1,234.19	1/4	867.57	1/4	500.99	1/4	154.83	1/4	1/4		1/4		1/4
1/2	2,326.42	1/2	1,959.80	1/2	1,593.17	1/2	1,226.55	1/2	859.93	1/2	493.41	1/2	148.07	1/2	1/2		1/2		1/2
3/4	2,318.79	3/4	1,952.17	3/4	1,585.54	3/4	1,218.92	3/4	852.29	3/4	485.82	3/4	141.31	3/4	3/4		3/4		3/4
6	2,311.15	6	1,944.53	6	1,577.90	6	1,211.28	6	844.65	6	478.24	6	134.55	6	6		6		6
1/4	2,303.51	1/4	1,936.89	1/4	1,570.26	1/4	1,203.64	1/4	837.01	1/4	470.67	1/4	127.79	1/4	1/4		1/4		1/4
1/2	2,295.87	1/2	1,929.25	1/2	1,562.62	1/2	1,196.00	1/2	829.37	1/2	463.10	1/2	121.03	1/2	1/2		1/2		1/2
3/4	2,288.24	3/4	1,921.61	3/4	1,554.99	3/4	1,188.37	3/4	821.74	3/4	455.54	3/4	114.27	3/4	3/4		3/4		3/4
7	2,280.60	7	1,913.97	7	1,547.35	7	1,180.73	7	814.10	7	447.97	7	107.51	7	7		7		7
1/4	2,272.96	1/4	1,906.33	1/4	1,539.71	1/4	1,173.09	1/4	806.46	1/4	440.53	1/4	100.91	1/4	1/4		1/4		1/4
1/2	2,265.32	1/2	1,898.69	1/2	1,532.07	1/2	1,165.45	1/2	798.82	1/2	433.09	1/2	94.30	1/2	1/2		1/2		1/2
3/4	2,257.69	3/4	1,891.06	3/4	1,524.44	3/4	1,157.81	3/4	791.19	3/4	425.66	3/4	87.70	3/4	3/4		3/4		3/4
8	2,250.05	8	1,883.42	8	1,516.80	8	1,150.17	8	783.55	8	418.22	8	81.10	8	8		8		8
1/4	2,242.41	1/4	1,875.78	1/4	1,509.16	1/4	1,142.53	1/4	775.91	1/4	410.83	1/4	74.63	1/4	1/4		1/4		1/4
1/2	2,234.77	1/2	1,868.14	1/2	1,501.52	1/2	1,134.89	1/2	768.27	1/2	403.45	1/2	68.17	1/2	1/2		1/2		1/2
3/4	2,227.13	3/4	1,860.51	3/4	1,493.89	3/4	1,127.26	3/4	760.64	3/4	396.06	3/4	61.70	3/4	3/4		3/4		3/4
9	2,219.49	9	1,852.87	9	1,486.25	9	1,119.62	9	753.00	9	388.68	9	55.24	9	9		9		9
1/4	2,211.85	1/4	1,845.23	1/4	1,478.61	1/4	1,111.98	1/4	745.36	1/4	381.28	1/4	49.78	1/4	1/4		1/4		1/4
1/2	2,204.21	1/2	1,837.59	1/2	1,470.97	1/2	1,104.34	1/2	737.72	1/2	373.88	1/2	44.31	1/2	1/2		1/2		1/2
3/4	2,196.58	3/4	1,829.96	3/4	1,463.33	3/4	1,096.71	3/4	730.09	3/4	366.49	3/4	38.85	3/4	3/4		3/4		3/4
10	2,188.94	10	1,822.32	10	1,455.69	10	1,089.07	10	722.45	10	359.09	10	33.39	10	10		10		10
1/4	2,181.30	1/4	1,814.68	1/4	1,448.05	1/4	1,081.43	1/4	714.81	1/4	351.85	1/4	29.34	1/4	1/4		1/4		1/4
1/2	2,173.66	1/2	1,807.04	1/2	1,440.41	1/2	1,073.79	1/2	707.17	1/2	344.62	1/2	25.30	1/2	1/2		1/2		1/2
3/4	2,166.03	3/4	1,799.41	3/4	1,432.78	3/4	1,066.16	3/4	699.53	3/4	337.38	3/4	21.25	3/4	3/4		3/4		3/4
11	2,158.39	11	1,791.77	11	1,425.14	11	1,058.52	11	691.89	11	330.15	11	17.21	11	11		11		11
1/4	2,150.75	1/4	1,784.13	1/4	1,417.50	1/4	1,050.88	1/4	684.25	1/4	322.97	1/4		1/4	1/4		1/4		1/4
1/2	2,143.11	1/2	1,776.49	1/2	1,409.86	1/2	1,043.24	1/2	676.61	1/2	315.78	1/2		1/2	1/2		1/2		1/2
3/4	2,135.48	3/4	1,768.85	3/4	1,402.23	3/4	1,035.61	3/4	668.98	3/4	308.60	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/2003 INSP.
RECOMPUTED: 08/23/2023 JS
VERIFIED: 08/17/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "MMI 3031"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,060.83	0	4,694.21	0	4,327.58	0	3,960.96	0	3,594.33	0	3,227.71	0	2,861.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,053.19	1/4	4,686.57	1/4	4,319.94	1/4	3,953.32	1/4	3,586.69	1/4	3,220.07	1/4	2,853.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,045.55	1/2	4,678.93	1/2	4,312.30	1/2	3,945.68	1/2	3,579.05	1/2	3,212.43	1/2	2,845.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,037.92	3/4	4,671.29	3/4	4,304.67	3/4	3,938.05	3/4	3,571.42	3/4	3,204.80	3/4	2,838.17
1		1		1		1	5,030.28	1	4,663.65	1	4,297.03	1	3,930.41	1	3,563.78	1	3,197.16	1	2,830.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,022.64	1/4	4,656.01	1/4	4,289.39	1/4	3,922.77	1/4	3,556.14	1/4	3,189.52	1/4	2,822.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,015.00	1/2	4,648.37	1/2	4,281.75	1/2	3,915.13	1/2	3,548.50	1/2	3,181.88	1/2	2,815.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,007.37	3/4	4,640.74	3/4	4,274.12	3/4	3,907.49	3/4	3,540.87	3/4	3,174.25	3/4	2,807.62
2		2		2		2	4,999.73	2	4,633.10	2	4,266.48	2	3,899.85	2	3,533.23	2	3,166.61	2	2,799.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,992.09	1/4	4,625.46	1/4	4,258.84	1/4	3,892.21	1/4	3,525.59	1/4	3,159.08	1/4	2,792.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,984.45	1/2	4,617.82	1/2	4,251.20	1/2	3,884.57	1/2	3,517.95	1/2	3,151.55	1/2	2,784.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,976.81	3/4	4,610.19	3/4	4,243.57	3/4	3,876.94	3/4	3,510.32	3/4	3,144.03	3/4	2,777.07
3		3		3		3	4,969.17	3	4,602.55	3	4,235.93	3	3,869.30	3	3,502.68	3	3,136.50	3	2,769.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,961.53	1/4	4,594.91	1/4	4,228.29	1/4	3,861.66	1/4	3,495.04	1/4	3,128.75	1/4	2,761.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,953.89	1/2	4,587.27	1/2	4,220.65	1/2	3,854.02	1/2	3,487.40	1/2	3,121.00	1/2	2,754.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,946.26	3/4	4,579.64	3/4	4,213.01	3/4	3,846.39	3/4	3,479.77	3/4	3,113.25	3/4	2,746.52
4		4		4		4	4,938.62	4	4,572.00	4	4,205.37	4	3,838.75	4	3,472.13	4	3,105.50	4	2,738.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,930.98	1/4	4,564.36	1/4	4,197.73	1/4	3,831.11	1/4	3,464.49	1/4	3,097.86	1/4	2,731.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,923.34	1/2	4,556.72	1/2	4,190.09	1/2	3,823.47	1/2	3,456.85	1/2	3,090.22	1/2	2,723.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,915.71	3/4	4,549.09	3/4	4,182.46	3/4	3,815.84	3/4	3,449.21	3/4	3,082.59	3/4	2,715.97
5		5		5		5	4,908.07	5	4,541.45	5	4,174.82	5	3,808.20	5	3,441.57	5	3,074.95	5	2,708.33
1/4	1/4	1/4	5,182.94	1/4	4,900.43	1/4	4,533.81	1/4	4,167.18	1/4	3,800.56	1/4	3,433.93	1/4	3,067.31	1/4	2,700.69		
1/2	1/2	1/2	5,182.25	1/2	4,892.79	1/2	4,526.17	1/2	4,159.54	1/2	3,792.92	1/2	3,426.29	1/2	3,059.67	1/2	2,693.05		
3/4	3/4	3/4	5,181.57	3/4	4,885.16	3/4	4,518.53	3/4	4,151.91	3/4	3,785.29	3/4	3,418.66	3/4	3,052.04	3/4	2,685.41		
6		6		6		6	5,180.88	6	4,877.52	6	4,510.89	6	4,144.27	6	3,777.65	6	3,411.02	6	3,044.40
1/4	1/4	1/4	5,179.15	1/4	4,869.88	1/4	4,503.25	1/4	4,136.63	1/4	3,770.01	1/4	3,403.38	1/4	3,036.76	1/4	2,670.13		
1/2	1/2	1/2	5,177.41	1/2	4,862.24	1/2	4,495.61	1/2	4,128.99	1/2	3,762.37	1/2	3,395.74	1/2	3,029.12	1/2	2,662.49		
3/4	3/4	3/4	5,175.68	3/4	4,854.61	3/4	4,487.98	3/4	4,121.36	3/4	3,754.73	3/4	3,388.11	3/4	3,021.49	3/4	2,654.86		
7		7		7		7	5,173.95	7	4,846.97	7	4,480.34	7	4,113.72	7	3,747.09	7	3,380.47	7	3,013.85
1/4	1/4	1/4	5,170.83	1/4	4,839.33	1/4	4,472.70	1/4	4,106.08	1/4	3,739.45	1/4	3,372.83	1/4	3,006.21	1/4	2,639.51		
1/2	1/2	1/2	5,167.71	1/2	4,831.69	1/2	4,465.06	1/2	4,098.44	1/2	3,731.81	1/2	3,365.19	1/2	2,998.57	1/2	2,631.79		
3/4	3/4	3/4	5,164.59	3/4	4,824.05	3/4	4,457.43	3/4	4,090.81	3/4	3,724.18	3/4	3,357.56	3/4	2,990.93	3/4	2,624.08		
8		8		8		8	5,161.47	8	4,816.41	8	4,449.79	8	4,083.17	8	3,716.54	8	3,349.92	8	2,983.29
1/4	1/4	1/4	5,156.96	1/4	4,808.77	1/4	4,442.15	1/4	4,075.53	1/4	3,708.90	1/4	3,342.28	1/4	2,975.65	1/4	2,608.81		
1/2	1/2	1/2	5,152.45	1/2	4,801.13	1/2	4,434.51	1/2	4,067.89	1/2	3,701.26	1/2	3,334.64	1/2	2,968.01	1/2	2,601.24		
3/4	3/4	3/4	5,147.95	3/4	4,793.50	3/4	4,426.88	3/4	4,060.25	3/4	3,693.63	3/4	3,327.01	3/4	2,960.38	3/4	2,593.68		
9		9		9		9	5,143.44	9	4,785.86	9	4,419.24	9	4,052.61	9	3,685.99	9	3,319.37	9	2,952.74
1/4	1/4	1/4	5,137.54	1/4	4,778.22	1/4	4,411.60	1/4	4,044.97	1/4	3,678.35	1/4	3,311.73	1/4	2,945.10	1/4	2,578.48		
1/2	1/2	1/2	5,131.64	1/2	4,770.58	1/2	4,403.96	1/2	4,037.33	1/2	3,670.71	1/2	3,304.09	1/2	2,937.46	1/2	2,570.84		
3/4	3/4	3/4	5,125.74	3/4	4,762.95	3/4	4,396.33	3/4	4,029.70	3/4	3,663.08	3/4	3,296.45	3/4	2,929.83	3/4	2,563.21		
10		10		10		10	5,119.84	10	4,755.31	10	4,388.69	10	4,022.06	10	3,655.44	10	3,288.81	10	2,922.19
1/4	1/4	1/4	5,112.72	1/4	4,747.67	1/4	4,381.05	1/4	4,014.42	1/4	3,647.80	1/4	3,281.17	1/4	2,914.55	1/4	2,547.93		
1/2	1/2	1/2	5,105.61	1/2	4,740.03	1/2	4,373.41	1/2	4,006.78	1/2	3,640.16	1/2	3,273.53	1/2	2,906.91	1/2	2,540.29		
3/4	3/4	3/4	5,098.49	3/4	4,732.40	3/4	4,365.77	3/4	3,999.15	3/4	3,632.53	3/4	3,265.90	3/4	2,899.28	3/4	2,532.65		
11		11		11		11	5,091.38	11	4,724.76	11	4,358.13	11	3,991.51	11	3,624.89	11	3,258.26	11	2,891.64
1/4	1/4	1/4	5,083.74	1/4	4,717.12	1/4	4,350.49	1/4	3,983.87	1/4	3,617.25	1/4	3,250.62	1/4	2,884.00	1/4	2,517.37		
1/2	1/2	1/2	5,076.10	1/2	4,709.48	1/2	4,342.85	1/2	3,976.23	1/2	3,609.61	1/2	3,242.98	1/2	2,876.36	1/2	2,509.73		
3/4	3/4	3/4	5,068.47	3/4	4,701.85	3/4	4,335.22	3/4	3,968.60	3/4	3,601.97	3/4	3,235.35	3/4	2,868.73	3/4	2,502.10		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 46'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "MMI 3031"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-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	2,494.46	0	2,127.84	0	1,761.21	0	1,394.59	0	1,027.97	0	661.34	0	301.42	0		0		0	
1/4	2,486.82	1/4	2,120.20	1/4	1,753.57	1/4	1,386.95	1/4	1,020.33	1/4	653.70	1/4	294.24	1/4	1/4	1/4		1/4	
1/2	2,479.18	1/2	2,112.56	1/2	1,745.93	1/2	1,379.31	1/2	1,012.69	1/2	646.06	1/2	287.05	1/2	1/2	1/2		1/2	
3/4	2,471.55	3/4	2,104.93	3/4	1,738.30	3/4	1,371.68	3/4	1,005.05	3/4	638.43	3/4	279.87	3/4	3/4	3/4		3/4	
1	2,463.91	1	2,097.29	1	1,730.66	1	1,364.04	1	997.41	1	630.79	1	272.69	1	1	1		1	
1/4	2,456.27	1/4	2,089.65	1/4	1,723.02	1/4	1,356.40	1/4	989.72	1/4	623.15	1/4	265.67	1/4	1/4	1/4		1/4	
1/2	2,448.63	1/2	2,082.01	1/2	1,715.38	1/2	1,348.76	1/2	982.03	1/2	615.51	1/2	258.64	1/2	1/2	1/2		1/2	
3/4	2,441.00	3/4	2,074.37	3/4	1,707.75	3/4	1,341.13	3/4	974.34	3/4	607.88	3/4	251.62	3/4	3/4	3/4		3/4	
2	2,433.36	2	2,066.73	2	1,700.11	2	1,333.49	2	966.65	2	600.24	2	244.60	2	2	2		2	
1/4	2,425.72	1/4	2,059.09	1/4	1,692.47	1/4	1,325.85	1/4	959.06	1/4	592.60	1/4	237.63	1/4	1/4	1/4		1/4	
1/2	2,418.08	1/2	2,051.45	1/2	1,684.83	1/2	1,318.21	1/2	951.48	1/2	584.96	1/2	230.66	1/2	1/2	1/2		1/2	
3/4	2,410.45	3/4	2,043.82	3/4	1,677.20	3/4	1,310.57	3/4	943.89	3/4	577.33	3/4	223.69	3/4	3/4	3/4		3/4	
3	2,402.81	3	2,036.18	3	1,669.56	3	1,302.93	3	936.31	3	569.69	3	216.72	3	3	3		3	
1/4	2,395.17	1/4	2,028.54	1/4	1,661.92	1/4	1,295.29	1/4	928.67	1/4	562.05	1/4	209.75	1/4	1/4	1/4		1/4	
1/2	2,387.53	1/2	2,020.90	1/2	1,654.28	1/2	1,287.65	1/2	921.03	1/2	554.41	1/2	202.78	1/2	1/2	1/2		1/2	
3/4	2,379.89	3/4	2,013.27	3/4	1,646.65	3/4	1,280.02	3/4	913.40	3/4	546.77	3/4	195.81	3/4	3/4	3/4		3/4	
4	2,372.25	4	2,005.63	4	1,639.01	4	1,272.38	4	905.76	4	539.13	4	188.84	4	4	4		4	
1/4	2,364.61	1/4	1,997.99	1/4	1,631.37	1/4	1,264.74	1/4	898.12	1/4	531.49	1/4	182.03	1/4	1/4	1/4		1/4	
1/2	2,356.97	1/2	1,990.35	1/2	1,623.73	1/2	1,257.10	1/2	890.48	1/2	523.85	1/2	175.21	1/2	1/2	1/2		1/2	
3/4	2,349.34	3/4	1,982.72	3/4	1,616.09	3/4	1,249.47	3/4	882.85	3/4	516.22	3/4	168.40	3/4	3/4	3/4		3/4	
5	2,341.70	5	1,975.08	5	1,608.45	5	1,241.83	5	875.21	5	508.58	5	161.59	5	5	5		5	
1/4	2,334.06	1/4	1,967.44	1/4	1,600.81	1/4	1,234.19	1/4	867.57	1/4	500.99	1/4	154.83	1/4	1/4	1/4		1/4	
1/2	2,326.42	1/2	1,959.80	1/2	1,593.17	1/2	1,226.55	1/2	859.93	1/2	493.41	1/2	148.07	1/2	1/2	1/2		1/2	
3/4	2,318.79	3/4	1,952.17	3/4	1,585.54	3/4	1,218.92	3/4	852.29	3/4	485.82	3/4	141.31	3/4	3/4	3/4		3/4	
6	2,311.15	6	1,944.53	6	1,577.90	6	1,211.28	6	844.65	6	478.24	6	134.55	6	6	6		6	
1/4	2,303.51	1/4	1,936.89	1/4	1,570.26	1/4	1,203.64	1/4	837.01	1/4	470.67	1/4	127.79	1/4	1/4	1/4		1/4	
1/2	2,295.87	1/2	1,929.25	1/2	1,562.62	1/2	1,196.00	1/2	829.37	1/2	463.10	1/2	121.03	1/2	1/2	1/2		1/2	
3/4	2,288.24	3/4	1,921.61	3/4	1,554.99	3/4	1,188.37	3/4	821.74	3/4	455.54	3/4	114.27	3/4	3/4	3/4		3/4	
7	2,280.60	7	1,913.97	7	1,547.35	7	1,180.73	7	814.10	7	447.97	7	107.51	7	7	7		7	
1/4	2,272.96	1/4	1,906.33	1/4	1,539.71	1/4	1,173.09	1/4	806.46	1/4	440.53	1/4	100.91	1/4	1/4	1/4		1/4	
1/2	2,265.32	1/2	1,898.69	1/2	1,532.07	1/2	1,165.45	1/2	798.82	1/2	433.09	1/2	94.30	1/2	1/2	1/2		1/2	
3/4	2,257.69	3/4	1,891.06	3/4	1,524.44	3/4	1,157.81	3/4	791.19	3/4	425.66	3/4	87.70	3/4	3/4	3/4		3/4	
8	2,250.05	8	1,883.42	8	1,516.80	8	1,150.17	8	783.55	8	418.22	8	81.10	8	8	8		8	
1/4	2,242.41	1/4	1,875.78	1/4	1,509.16	1/4	1,142.53	1/4	775.91	1/4	410.83	1/4	74.63	1/4	1/4	1/4		1/4	
1/2	2,234.77	1/2	1,868.14	1/2	1,501.52	1/2	1,134.89	1/2	768.27	1/2	403.45	1/2	68.17	1/2	1/2	1/2		1/2	
3/4	2,227.13	3/4	1,860.51	3/4	1,493.89	3/4	1,127.26	3/4	760.64	3/4	396.06	3/4	61.70	3/4	3/4	3/4		3/4	
9	2,219.49	9	1,852.87	9	1,486.25	9	1,119.62	9	753.00	9	388.68	9	55.24	9	9	9		9	
1/4	2,211.85	1/4	1,845.23	1/4	1,478.61	1/4	1,111.98	1/4	745.36	1/4	381.28	1/4	49.78	1/4	1/4	1/4		1/4	
1/2	2,204.21	1/2	1,837.59	1/2	1,470.97	1/2	1,104.34	1/2	737.72	1/2	373.88	1/2	44.31	1/2	1/2	1/2		1/2	
3/4	2,196.58	3/4	1,829.96	3/4	1,463.33	3/4	1,096.71	3/4	730.09	3/4	366.49	3/4	38.85	3/4	3/4	3/4		3/4	
10	2,188.94	10	1,822.32	10	1,455.69	10	1,089.07	10	722.45	10	359.09	10	33.39	10	10	10		10	
1/4	2,181.30	1/4	1,814.68	1/4	1,448.05	1/4	1,081.43	1/4	714.81	1/4	351.85	1/4	29.34	1/4	1/4	1/4		1/4	
1/2	2,173.66	1/2	1,807.04	1/2	1,440.41	1/2	1,073.79	1/2	707.17	1/2	344.62	1/2	25.30	1/2	1/2	1/2		1/2	
3/4	2,166.03	3/4	1,799.41	3/4	1,432.78	3/4	1,066.16	3/4	699.53	3/4	337.38	3/4	21.25	3/4	3/4	3/4		3/4	
11	2,158.39	11	1,791.77	11	1,425.14	11	1,058.52	11	691.89	11	330.15	11	17.21	11	11	11		11	
1/4	2,150.75	1/4	1,784.13	1/4	1,417.50	1/4	1,050.88	1/4	684.25	1/4	322.97	1/4		1/4	1/4	1/4		1/4	
1/2	2,143.11	1/2	1,776.49	1/2	1,409.86	1/2	1,043.24	1/2	676.61	1/2	315.78	1/2		1/2	1/2	1/2		1/2	
3/4	2,135.48	3/4	1,768.85	3/4	1,402.23	3/4	1,035.61	3/4	668.98	3/4	308.60	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/2003 INSP.
RECOMPUTED: 08/23/2023 JS
VERIFIED: 08/17/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "MMI 3031"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,786.16	0	4,441.23	0	4,096.30	0	3,751.37	0	3,406.44	0	3,061.51	0	2,716.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,778.97	1/4	4,434.04	1/4	4,089.11	1/4	3,744.19	1/4	3,399.26	1/4	3,054.33	1/4	2,709.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,771.79	1/2	4,426.86	1/2	4,081.93	1/2	3,737.00	1/2	3,392.07	1/2	3,047.14	1/2	2,702.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,764.60	3/4	4,419.67	3/4	4,074.74	3/4	3,729.82	3/4	3,384.89	3/4	3,039.96	3/4	2,695.03
1		1		1		1	4,757.42	1	4,412.48	1	4,067.55	1	3,722.63	1	3,377.70	1	3,032.77	1	2,687.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,750.23	1/4	4,405.30	1/4	4,060.37	1/4	3,715.44	1/4	3,370.51	1/4	3,025.59	1/4	2,680.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,743.05	1/2	4,398.11	1/2	4,053.18	1/2	3,708.26	1/2	3,363.33	1/2	3,018.40	1/2	2,673.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,735.86	3/4	4,390.93	3/4	4,046.00	3/4	3,701.07	3/4	3,356.14	3/4	3,011.22	3/4	2,666.29
2		2		2		2	4,728.67	2	4,383.74	2	4,038.81	2	3,693.88	2	3,348.95	2	3,004.03	2	2,659.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,721.49	1/4	4,376.55	1/4	4,031.63	1/4	3,686.70	1/4	3,341.77	1/4	2,996.84	1/4	2,651.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,714.30	1/2	4,369.37	1/2	4,024.44	1/2	3,679.51	1/2	3,334.58	1/2	2,989.66	1/2	2,644.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,707.11	3/4	4,362.18	3/4	4,017.26	3/4	3,672.33	3/4	3,327.40	3/4	2,982.47	3/4	2,637.54
3		3		3		3	4,699.93	3	4,354.99	3	4,010.07	3	3,665.14	3	3,320.21	3	2,975.28	3	2,630.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,692.74	1/4	4,347.81	1/4	4,002.88	1/4	3,657.95	1/4	3,313.03	1/4	2,968.10	1/4	2,623.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,685.56	1/2	4,340.62	1/2	3,995.70	1/2	3,650.77	1/2	3,305.84	1/2	2,960.91	1/2	2,615.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,678.37	3/4	4,333.44	3/4	3,988.51	3/4	3,643.58	3/4	3,298.66	3/4	2,953.73	3/4	2,608.80
4		4		4		4	4,671.18	4	4,326.25	4	3,981.32	4	3,636.39	4	3,291.47	4	2,946.54	4	2,601.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,664.00	1/4	4,319.07	1/4	3,974.14	1/4	3,629.21	1/4	3,284.28	1/4	2,939.35	1/4	2,594.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,656.81	1/2	4,311.88	1/2	3,966.95	1/2	3,622.02	1/2	3,277.10	1/2	2,932.17	1/2	2,587.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,915.43	3/4	4,649.62	3/4	4,304.70	3/4	3,959.77	3/4	3,614.84	3/4	3,269.91	3/4	2,924.98
5		5		5		5	4,642.44	5	4,297.51	5	3,952.58	5	3,607.65	5	3,262.72	5	2,917.79	5	2,572.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,913.81	1/4	4,635.25	1/4	4,290.32	1/4	3,945.39	1/4	3,600.47	1/4	3,255.54	1/4	2,910.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,912.99	1/2	4,628.07	1/2	4,283.14	1/2	3,938.21	1/2	3,593.28	1/2	3,248.35	1/2	2,903.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,912.18	3/4	4,620.88	3/4	4,275.95	3/4	3,931.02	3/4	3,586.10	3/4	3,241.17	3/4	2,896.24
6		6		6		6	4,910.23	6	4,613.70	6	4,268.76	6	3,923.83	6	3,578.91	6	3,233.98	6	2,889.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,908.27	1/4	4,606.51	1/4	4,261.58	1/4	3,916.65	1/4	3,571.72	1/4	3,226.79	1/4	2,881.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,906.32	1/2	4,599.33	1/2	4,254.39	1/2	3,909.46	1/2	3,564.54	1/2	3,219.61	1/2	2,874.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,904.36	3/4	4,592.14	3/4	4,247.21	3/4	3,902.28	3/4	3,557.35	3/4	3,212.42	3/4	2,867.50
7		7		7		7	4,901.10	7	4,584.95	7	4,240.02	7	3,895.09	7	3,550.16	7	3,205.23	7	2,860.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,897.84	1/4	4,577.77	1/4	4,232.83	1/4	3,887.91	1/4	3,542.98	1/4	3,198.05	1/4	2,853.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,894.57	1/2	4,570.58	1/2	4,225.65	1/2	3,880.72	1/2	3,535.79	1/2	3,190.86	1/2	2,845.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,891.31	3/4	4,563.39	3/4	4,218.46	3/4	3,873.54	3/4	3,528.61	3/4	3,183.68	3/4	2,838.75
8		8		8		8	4,886.74	8	4,556.21	8	4,211.27	8	3,866.35	8	3,521.42	8	3,176.49	8	2,831.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,882.17	1/4	4,549.02	1/4	4,204.09	1/4	3,859.16	1/4	3,514.23	1/4	3,169.31	1/4	2,824.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,877.60	1/2	4,541.83	1/2	4,196.90	1/2	3,851.98	1/2	3,507.05	1/2	3,162.12	1/2	2,817.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,873.03	3/4	4,534.65	3/4	4,189.72	3/4	3,844.79	3/4	3,499.86	3/4	3,154.94	3/4	2,810.01
9		9		9		9	4,867.15	9	4,527.46	9	4,182.53	9	3,837.60	9	3,492.67	9	3,147.75	9	2,802.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,861.28	1/4	4,520.27	1/4	4,175.35	1/4	3,830.42	1/4	3,485.49	1/4	3,140.56	1/4	2,795.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,855.40	1/2	4,513.09	1/2	4,168.16	1/2	3,823.23	1/2	3,478.30	1/2	3,133.38	1/2	2,788.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,849.52	3/4	4,505.90	3/4	4,160.98	3/4	3,816.05	3/4	3,471.12	3/4	3,126.19	3/4	2,781.26
10		10		10		10	4,842.66	10	4,498.71	10	4,153.79	10	3,808.86	10	3,463.93	10	3,119.00	10	2,774.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,835.81	1/4	4,491.53	1/4	4,146.60	1/4	3,801.67	1/4	3,456.75	1/4	3,111.82	1/4	2,766.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,828.95	1/2	4,484.34	1/2	4,139.42	1/2	3,794.49	1/2	3,449.56	1/2	3,104.63	1/2	2,759.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,822.09	3/4	4,477.16	3/4	4,132.23	3/4	3,787.30	3/4	3,442.38	3/4	3,097.45	3/4	2,752.52
11		11		11		11	4,814.90	11	4,469.97	11	4,125.04	11	3,780.11	11	3,435.19	11	3,090.26	11	2,745.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,807.72	1/4	4,462.79	1/4	4,117.86	1/4	3,772.93	1/4	3,428.00	1/4	3,083.07	1/4	2,738.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,800.53	1/2	4,455.60	1/2	4,110.67	1/2	3,765.74	1/2	3,420.82	1/2	3,075.89	1/2	2,730.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,793.34	3/4	4,448.42	3/4	4,103.49	3/4	3,758.56	3/4	3,413.63	3/4	3,068.70	3/4	2,723.78

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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





BARGE "MMI 3031"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,371.66	0	2,026.73	0	1,681.80	0	1,336.87	0	991.95	0	647.02	0	302.09	0		0		0	
1/4	2,364.47	1/4	2,019.55	1/4	1,674.62	1/4	1,329.69	1/4	984.76	1/4	639.83	1/4	294.91	1/4	1/4		1/4		1/4
1/2	2,357.29	1/2	2,012.36	1/2	1,667.43	1/2	1,322.50	1/2	977.58	1/2	632.65	1/2	287.72	1/2	1/2		1/2		1/2
3/4	2,350.10	3/4	2,005.18	3/4	1,660.25	3/4	1,315.32	3/4	970.39	3/4	625.46	3/4	280.54	3/4	3/4		3/4		3/4
1	2,342.91	1	1,997.99	1	1,653.06	1	1,308.13	1	963.20	1	618.27	1	273.35	1	1		1		1
1/4	2,335.73	1/4	1,990.80	1/4	1,645.87	1/4	1,300.95	1/4	956.02	1/4	611.09	1/4	266.16	1/4	1/4		1/4		1/4
1/2	2,328.54	1/2	1,983.62	1/2	1,638.69	1/2	1,293.76	1/2	948.83	1/2	603.90	1/2	258.98	1/2	1/2		1/2		1/2
3/4	2,321.36	3/4	1,976.43	3/4	1,631.50	3/4	1,286.58	3/4	941.65	3/4	596.72	3/4	251.79	3/4	3/4		3/4		3/4
2	2,314.17	2	1,969.24	2	1,624.31	2	1,279.39	2	934.46	2	589.53	2	244.60	2	2		2		2
1/4	2,306.99	1/4	1,962.06	1/4	1,617.13	1/4	1,272.20	1/4	927.27	1/4	582.35	1/4	237.42	1/4	1/4		1/4		1/4
1/2	2,299.80	1/2	1,954.87	1/2	1,609.94	1/2	1,265.02	1/2	920.09	1/2	575.16	1/2	230.23	1/2	1/2		1/2		1/2
3/4	2,292.62	3/4	1,947.69	3/4	1,602.76	3/4	1,257.83	3/4	912.90	3/4	567.98	3/4	223.05	3/4	3/4		3/4		3/4
3	2,285.43	3	1,940.50	3	1,595.57	3	1,250.64	3	905.71	3	560.79	3	215.86	3	3		3		3
1/4	2,278.24	1/4	1,933.31	1/4	1,588.39	1/4	1,243.46	1/4	898.53	1/4	553.60	1/4	208.67	1/4	1/4		1/4		1/4
1/2	2,271.06	1/2	1,926.13	1/2	1,581.20	1/2	1,236.27	1/2	891.34	1/2	546.42	1/2	201.49	1/2	1/2		1/2		1/2
3/4	2,263.87	3/4	1,918.94	3/4	1,574.02	3/4	1,229.09	3/4	884.16	3/4	539.23	3/4	194.30	3/4	3/4		3/4		3/4
4	2,256.68	4	1,911.75	4	1,566.83	4	1,221.90	4	876.97	4	532.04	4	187.11	4	4		4		4
1/4	2,249.50	1/4	1,904.57	1/4	1,559.64	1/4	1,214.71	1/4	869.79	1/4	524.86	1/4	179.93	1/4	1/4		1/4		1/4
1/2	2,242.31	1/2	1,897.38	1/2	1,552.46	1/2	1,207.53	1/2	862.60	1/2	517.67	1/2	172.74	1/2	1/2		1/2		1/2
3/4	2,235.13	3/4	1,890.20	3/4	1,545.27	3/4	1,200.34	3/4	855.42	3/4	510.49	3/4	165.56	3/4	3/4		3/4		3/4
5	2,227.94	5	1,883.01	5	1,538.08	5	1,193.15	5	848.23	5	503.30	5	158.37	5	5		5		5
1/4	2,220.75	1/4	1,875.83	1/4	1,530.90	1/4	1,185.97	1/4	841.04	1/4	496.11	1/4	151.19	1/4	1/4		1/4		1/4
1/2	2,213.57	1/2	1,868.64	1/2	1,523.71	1/2	1,178.78	1/2	833.86	1/2	488.93	1/2	144.00	1/2	1/2		1/2		1/2
3/4	2,206.38	3/4	1,861.46	3/4	1,516.53	3/4	1,171.60	3/4	826.67	3/4	481.74	3/4	136.82	3/4	3/4		3/4		3/4
6	2,199.19	6	1,854.27	6	1,509.34	6	1,164.41	6	819.48	6	474.55	6	129.63	6	6		6		6
1/4	2,192.01	1/4	1,847.08	1/4	1,502.15	1/4	1,157.23	1/4	812.30	1/4	467.37	1/4	122.44	1/4	1/4		1/4		1/4
1/2	2,184.82	1/2	1,839.90	1/2	1,494.97	1/2	1,150.04	1/2	805.11	1/2	460.18	1/2	115.26	1/2	1/2		1/2		1/2
3/4	2,177.64	3/4	1,832.71	3/4	1,487.78	3/4	1,142.86	3/4	797.93	3/4	453.00	3/4	108.07	3/4	3/4		3/4		3/4
7	2,170.45	7	1,825.52	7	1,480.59	7	1,135.67	7	790.74	7	445.81	7	100.88	7	7		7		7
1/4	2,163.27	1/4	1,818.34	1/4	1,473.41	1/4	1,128.48	1/4	783.55	1/4	438.63	1/4	93.70	1/4	1/4		1/4		1/4
1/2	2,156.08	1/2	1,811.15	1/2	1,466.22	1/2	1,121.30	1/2	776.37	1/2	431.44	1/2	86.51	1/2	1/2		1/2		1/2
3/4	2,148.90	3/4	1,803.97	3/4	1,459.04	3/4	1,114.11	3/4	769.18	3/4	424.26	3/4	79.33	3/4	3/4		3/4		3/4
8	2,141.71	8	1,796.78	8	1,451.85	8	1,106.92	8	761.99	8	417.07	8	72.34	8	8		8		8
1/4	2,134.52	1/4	1,789.59	1/4	1,444.67	1/4	1,099.74	1/4	754.81	1/4	409.88	1/4	65.36	1/4	1/4		1/4		1/4
1/2	2,127.34	1/2	1,782.41	1/2	1,437.48	1/2	1,092.55	1/2	747.62	1/2	402.70	1/2	58.37	1/2	1/2		1/2		1/2
3/4	2,120.15	3/4	1,775.22	3/4	1,430.30	3/4	1,085.37	3/4	740.44	3/4	395.51	3/4	51.39	3/4	3/4		3/4		3/4
9	2,112.96	9	1,768.03	9	1,423.11	9	1,078.18	9	733.25	9	388.32	9	45.80	9	9		9		9
1/4	2,105.78	1/4	1,760.85	1/4	1,415.92	1/4	1,070.99	1/4	726.07	1/4	381.14	1/4	40.21	1/4	1/4		1/4		1/4
1/2	2,098.59	1/2	1,753.66	1/2	1,408.74	1/2	1,063.81	1/2	718.88	1/2	373.95	1/2	34.63	1/2	1/2		1/2		1/2
3/4	2,091.41	3/4	1,746.48	3/4	1,401.55	3/4	1,056.62	3/4	711.70	3/4	366.77	3/4	29.04	3/4	3/4		3/4		3/4
10	2,084.22	10	1,739.29	10	1,394.36	10	1,049.43	10	704.51	10	359.58	10	25.05	10	10		10		10
1/4	2,077.03	1/4	1,732.11	1/4	1,387.18	1/4	1,042.25	1/4	697.32	1/4	352.39	1/4	21.06	1/4	1/4		1/4		1/4
1/2	2,069.85	1/2	1,724.92	1/2	1,379.99	1/2	1,035.06	1/2	690.14	1/2	345.21	1/2	17.07	1/2	1/2		1/2		1/2
3/4	2,062.66	3/4	1,717.74	3/4	1,372.81	3/4	1,027.88	3/4	682.95	3/4	338.02	3/4	13.08	3/4	3/4		3/4		3/4
11	2,055.47	11	1,710.55	11	1,365.62	11	1,020.69	11	675.76	11	330.83	11		11	11		11		11
1/4	2,048.29	1/4	1,703.36	1/4	1,358.43	1/4	1,013.51	1/4	668.58	1/4	323.65	1/4		1/4	1/4		1/4		1/4
1/2	2,041.10	1/2	1,696.18	1/2	1,351.25	1/2	1,006.32	1/2	661.39	1/2	316.46	1/2		1/2	1/2		1/2		1/2
3/4	2,033.92	3/4	1,688.99	3/4	1,344.06	3/4	999.14	3/4	654.21	3/4	309.28	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/2003 INSP.
RECOMPUTED: 08/23/2023 JS
VERIFIED: 08/17/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "MMI 3031"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,793.34	0	4,448.42	0	4,103.49	0	3,758.56	0	3,413.63	0	3,068.70	0	2,723.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,786.16	1/4	4,441.23	1/4	4,096.30	1/4	3,751.37	1/4	3,406.44	1/4	3,061.51	1/4	2,716.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,778.97	1/2	4,434.04	1/2	4,089.11	1/2	3,744.19	1/2	3,399.26	1/2	3,054.33	1/2	2,709.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,771.79	3/4	4,426.86	3/4	4,081.93	3/4	3,737.00	3/4	3,392.07	3/4	3,047.14	3/4	2,702.22		
1		1		1		1	4,764.60	1	4,419.67	1	4,074.74	1	3,729.82	1	3,384.89	1	3,039.96	1	2,695.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,757.42	1/4	4,412.48	1/4	4,067.55	1/4	3,722.63	1/4	3,377.70	1/4	3,032.77	1/4	2,687.84		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,750.23	1/2	4,405.30	1/2	4,060.37	1/2	3,715.44	1/2	3,370.51	1/2	3,025.59	1/2	2,680.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,743.05	3/4	4,398.11	3/4	4,053.18	3/4	3,708.26	3/4	3,363.33	3/4	3,018.40	3/4	2,673.47		
2		2		2		2	4,735.86	2	4,390.93	2	4,046.00	2	3,701.07	2	3,356.14	2	3,011.22	2	2,666.29		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,728.67	1/4	4,383.74	1/4	4,038.81	1/4	3,693.88	1/4	3,348.95	1/4	3,004.03	1/4	2,659.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,721.49	1/2	4,376.55	1/2	4,031.63	1/2	3,686.70	1/2	3,341.77	1/2	2,996.84	1/2	2,651.91		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,714.30	3/4	4,369.37	3/4	4,024.44	3/4	3,679.51	3/4	3,334.58	3/4	2,989.66	3/4	2,644.73		
3		3		3		3	4,707.11	3	4,362.18	3	4,017.26	3	3,672.33	3	3,327.40	3	2,982.47	3	2,637.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,699.93	1/4	4,354.99	1/4	4,010.07	1/4	3,665.14	1/4	3,320.21	1/4	2,975.28	1/4	2,630.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,692.74	1/2	4,347.81	1/2	4,002.88	1/2	3,657.95	1/2	3,313.03	1/2	2,968.10	1/2	2,623.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,685.56	3/4	4,340.62	3/4	3,995.70	3/4	3,650.77	3/4	3,305.84	3/4	2,960.91	3/4	2,615.98		
4		4		4		4	4,678.37	4	4,333.44	4	3,988.51	4	3,643.58	4	3,298.66	4	2,953.73	4	2,608.80		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,671.18	1/4	4,326.25	1/4	3,981.32	1/4	3,636.39	1/4	3,291.47	1/4	2,946.54	1/4	2,601.61		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,664.00	1/2	4,319.07	1/2	3,974.14	1/2	3,629.21	1/2	3,284.28	1/2	2,939.35	1/2	2,594.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,656.81	3/4	4,311.88	3/4	3,966.95	3/4	3,622.02	3/4	3,277.10	3/4	2,932.17	3/4	2,587.24		
5		5	4,915.43	5	4,649.62	5	4,304.70	5	3,959.77	5	3,614.84	5	3,269.91	5	2,924.98	5	2,580.06				
1/4	1/4	1/4	4,914.62	1/4	4,642.44	1/4	4,297.51	1/4	3,952.58	1/4	3,607.65	1/4	3,262.72	1/4	2,917.79	1/4	2,572.87				
1/2	1/2	1/2	4,913.81	1/2	4,635.25	1/2	4,290.32	1/2	3,945.39	1/2	3,600.47	1/2	3,255.54	1/2	2,910.61	1/2	2,565.68				
3/4	3/4	3/4	4,912.99	3/4	4,628.07	3/4	4,283.14	3/4	3,938.21	3/4	3,593.28	3/4	3,248.35	3/4	2,903.42	3/4	2,558.50				
6		6	4,912.18	6	4,620.88	6	4,275.95	6	3,931.02	6	3,586.10	6	3,241.17	6	2,896.24	6	2,551.31				
1/4	1/4	1/4	4,910.23	1/4	4,613.70	1/4	4,268.76	1/4	3,923.83	1/4	3,578.91	1/4	3,233.98	1/4	2,889.05	1/4	2,544.12				
1/2	1/2	1/2	4,908.27	1/2	4,606.51	1/2	4,261.58	1/2	3,916.65	1/2	3,571.72	1/2	3,226.79	1/2	2,881.87	1/2	2,536.94				
3/4	3/4	3/4	4,906.32	3/4	4,599.33	3/4	4,254.39	3/4	3,909.46	3/4	3,564.54	3/4	3,219.61	3/4	2,874.68	3/4	2,529.75				
7		7	4,904.36	7	4,592.14	7	4,247.21	7	3,902.28	7	3,557.35	7	3,212.42	7	2,867.50	7	2,522.57				
1/4	1/4	1/4	4,901.10	1/4	4,584.95	1/4	4,240.02	1/4	3,895.09	1/4	3,550.16	1/4	3,205.23	1/4	2,860.31	1/4	2,515.38				
1/2	1/2	1/2	4,897.84	1/2	4,577.77	1/2	4,232.83	1/2	3,887.91	1/2	3,542.98	1/2	3,198.05	1/2	2,853.12	1/2	2,508.19				
3/4	3/4	3/4	4,894.57	3/4	4,570.58	3/4	4,225.65	3/4	3,880.72	3/4	3,535.79	3/4	3,190.86	3/4	2,845.94	3/4	2,501.01				
8		8	4,891.31	8	4,563.39	8	4,218.46	8	3,873.54	8	3,528.61	8	3,183.68	8	2,838.75	8	2,493.82				
1/4	1/4	1/4	4,886.74	1/4	4,556.21	1/4	4,211.27	1/4	3,866.35	1/4	3,521.42	1/4	3,176.49	1/4	2,831.56	1/4	2,486.63				
1/2	1/2	1/2	4,882.17	1/2	4,549.02	1/2	4,204.09	1/2	3,859.16	1/2	3,514.23	1/2	3,169.31	1/2	2,824.38	1/2	2,479.45				
3/4	3/4	3/4	4,877.60	3/4	4,541.83	3/4	4,196.90	3/4	3,851.98	3/4	3,507.05	3/4	3,162.12	3/4	2,817.19	3/4	2,472.26				
9		9	4,873.03	9	4,534.65	9	4,189.72	9	3,844.79	9	3,499.86	9	3,154.94	9	2,810.01	9	2,465.08				
1/4	1/4	1/4	4,867.15	1/4	4,527.46	1/4	4,182.53	1/4	3,837.60	1/4	3,492.67	1/4	3,147.75	1/4	2,802.82	1/4	2,457.89				
1/2	1/2	1/2	4,861.28	1/2	4,520.27	1/2	4,175.35	1/2	3,830.42	1/2	3,485.49	1/2	3,140.56	1/2	2,795.63	1/2	2,450.71				
3/4	3/4	3/4	4,855.40	3/4	4,513.09	3/4	4,168.16	3/4	3,823.23	3/4	3,478.30	3/4	3,133.38	3/4	2,788.45	3/4	2,443.52				
10		10	4,849.52	10	4,505.90	10	4,160.98	10	3,816.05	10	3,471.12	10	3,126.19	10	2,781.26	10	2,436.34				
1/4	1/4	1/4	4,842.66	1/4	4,498.71	1/4	4,153.79	1/4	3,808.86	1/4	3,463.93	1/4	3,119.00	1/4	2,774.07	1/4	2,429.15				
1/2	1/2	1/2	4,835.81	1/2	4,491.53	1/2	4,146.60	1/2	3,801.67	1/2	3,456.75	1/2	3,111.82	1/2	2,766.89	1/2	2,421.96				
3/4	3/4	3/4	4,828.95	3/4	4,484.34	3/4	4,139.42	3/4	3,794.49	3/4	3,449.56	3/4	3,104.63	3/4	2,759.70	3/4	2,414.78				
11		11	4,822.09	11	4,477.16	11	4,132.23	11	3,787.30	11	3,442.38	11	3,097.45	11	2,752.52	11	2,407.59				
1/4	1/4	1/4	4,814.90	1/4	4,469.97	1/4	4,125.04	1/4	3,780.11	1/4	3,435.19	1/4	3,090.26	1/4	2,745.33	1/4	2,400.40				
1/2	1/2	1/2	4,807.72	1/2	4,462.79	1/2	4,117.86	1/2	3,772.93	1/2	3,428.00	1/2	3,083.07	1/2	2,738.15	1/2	2,393.22				
3/4	3/4	3/4	4,800.53	3/4	4,455.60	3/4	4,110.67	3/4	3,765.74	3/4	3,420.82	3/4	3,075.89	3/4	2,730.96	3/4	2,386.03				

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 ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "MMI 3031"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-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	2,378.85	0	2,033.92	0	1,688.99	0	1,344.06	0	999.14	0	654.21	0	309.28	0		0		0	
1/4	2,371.66	1/4	2,026.73	1/4	1,681.80	1/4	1,336.87	1/4	991.95	1/4	647.02	1/4	302.09	1/4	1/4	1/4		1/4	1/4
1/2	2,364.47	1/2	2,019.55	1/2	1,674.62	1/2	1,329.69	1/2	984.76	1/2	639.83	1/2	294.91	1/2	1/2	1/2		1/2	1/2
3/4	2,357.29	3/4	2,012.36	3/4	1,667.43	3/4	1,322.50	3/4	977.58	3/4	632.65	3/4	287.72	3/4	3/4	3/4		3/4	3/4
1	2,350.10	1	2,005.18	1	1,660.25	1	1,315.32	1	970.39	1	625.46	1	280.54	1	1	1		1	1
1/4	2,342.91	1/4	1,997.99	1/4	1,653.06	1/4	1,308.13	1/4	963.20	1/4	618.27	1/4	273.35	1/4	1/4	1/4		1/4	1/4
1/2	2,335.73	1/2	1,990.80	1/2	1,645.87	1/2	1,300.95	1/2	956.02	1/2	611.09	1/2	266.16	1/2	1/2	1/2		1/2	1/2
3/4	2,328.54	3/4	1,983.62	3/4	1,638.69	3/4	1,293.76	3/4	948.83	3/4	603.90	3/4	258.98	3/4	3/4	3/4		3/4	3/4
2	2,321.36	2	1,976.43	2	1,631.50	2	1,286.58	2	941.65	2	596.72	2	251.79	2	2	2		2	2
1/4	2,314.17	1/4	1,969.24	1/4	1,624.31	1/4	1,279.39	1/4	934.46	1/4	589.53	1/4	244.60	1/4	1/4	1/4		1/4	1/4
1/2	2,306.99	1/2	1,962.06	1/2	1,617.13	1/2	1,272.20	1/2	927.27	1/2	582.35	1/2	237.42	1/2	1/2	1/2		1/2	1/2
3/4	2,299.80	3/4	1,954.87	3/4	1,609.94	3/4	1,265.02	3/4	920.09	3/4	575.16	3/4	230.23	3/4	3/4	3/4		3/4	3/4
3	2,292.62	3	1,947.69	3	1,602.76	3	1,257.83	3	912.90	3	567.98	3	223.05	3	3	3		3	3
1/4	2,285.43	1/4	1,940.50	1/4	1,595.57	1/4	1,250.64	1/4	905.71	1/4	560.79	1/4	215.86	1/4	1/4	1/4		1/4	1/4
1/2	2,278.24	1/2	1,933.31	1/2	1,588.39	1/2	1,243.46	1/2	898.53	1/2	553.60	1/2	208.67	1/2	1/2	1/2		1/2	1/2
3/4	2,271.06	3/4	1,926.13	3/4	1,581.20	3/4	1,236.27	3/4	891.34	3/4	546.42	3/4	201.49	3/4	3/4	3/4		3/4	3/4
4	2,263.87	4	1,918.94	4	1,574.02	4	1,229.09	4	884.16	4	539.23	4	194.30	4	4	4		4	4
1/4	2,256.68	1/4	1,911.75	1/4	1,566.83	1/4	1,221.90	1/4	876.97	1/4	532.04	1/4	187.11	1/4	1/4	1/4		1/4	1/4
1/2	2,249.50	1/2	1,904.57	1/2	1,559.64	1/2	1,214.71	1/2	869.79	1/2	524.86	1/2	179.93	1/2	1/2	1/2		1/2	1/2
3/4	2,242.31	3/4	1,897.38	3/4	1,552.46	3/4	1,207.53	3/4	862.60	3/4	517.67	3/4	172.74	3/4	3/4	3/4		3/4	3/4
5	2,235.13	5	1,890.20	5	1,545.27	5	1,200.34	5	855.42	5	510.49	5	165.56	5	5	5		5	5
1/4	2,227.94	1/4	1,883.01	1/4	1,538.08	1/4	1,193.15	1/4	848.23	1/4	503.30	1/4	158.37	1/4	1/4	1/4		1/4	1/4
1/2	2,220.75	1/2	1,875.83	1/2	1,530.90	1/2	1,185.97	1/2	841.04	1/2	496.11	1/2	151.19	1/2	1/2	1/2		1/2	1/2
3/4	2,213.57	3/4	1,868.64	3/4	1,523.71	3/4	1,178.78	3/4	833.86	3/4	488.93	3/4	144.00	3/4	3/4	3/4		3/4	3/4
6	2,206.38	6	1,861.46	6	1,516.53	6	1,171.60	6	826.67	6	481.74	6	136.82	6	6	6		6	6
1/4	2,199.19	1/4	1,854.27	1/4	1,509.34	1/4	1,164.41	1/4	819.48	1/4	474.55	1/4	129.63	1/4	1/4	1/4		1/4	1/4
1/2	2,192.01	1/2	1,847.08	1/2	1,502.15	1/2	1,157.23	1/2	812.30	1/2	467.37	1/2	122.44	1/2	1/2	1/2		1/2	1/2
3/4	2,184.82	3/4	1,839.90	3/4	1,494.97	3/4	1,150.04	3/4	805.11	3/4	460.18	3/4	115.26	3/4	3/4	3/4		3/4	3/4
7	2,177.64	7	1,832.71	7	1,487.78	7	1,142.86	7	797.93	7	453.00	7	108.07	7	7	7		7	7
1/4	2,170.45	1/4	1,825.52	1/4	1,480.59	1/4	1,135.67	1/4	790.74	1/4	445.81	1/4	100.88	1/4	1/4	1/4		1/4	1/4
1/2	2,163.27	1/2	1,818.34	1/2	1,473.41	1/2	1,128.48	1/2	783.55	1/2	438.63	1/2	93.70	1/2	1/2	1/2		1/2	1/2
3/4	2,156.08	3/4	1,811.15	3/4	1,466.22	3/4	1,121.30	3/4	776.37	3/4	431.44	3/4	86.51	3/4	3/4	3/4		3/4	3/4
8	2,148.90	8	1,803.97	8	1,459.04	8	1,114.11	8	769.18	8	424.26	8	79.33	8	8	8		8	8
1/4	2,141.71	1/4	1,796.78	1/4	1,451.85	1/4	1,106.92	1/4	761.99	1/4	417.07	1/4	72.34	1/4	1/4	1/4		1/4	1/4
1/2	2,134.52	1/2	1,789.59	1/2	1,444.67	1/2	1,099.74	1/2	754.81	1/2	409.88	1/2	65.36	1/2	1/2	1/2		1/2	1/2
3/4	2,127.34	3/4	1,782.41	3/4	1,437.48	3/4	1,092.55	3/4	747.62	3/4	402.70	3/4	58.37	3/4	3/4	3/4		3/4	3/4
9	2,120.15	9	1,775.22	9	1,430.30	9	1,085.37	9	740.44	9	395.51	9	51.39	9	9	9		9	9
1/4	2,112.96	1/4	1,768.03	1/4	1,423.11	1/4	1,078.18	1/4	733.25	1/4	388.32	1/4	45.80	1/4	1/4	1/4		1/4	1/4
1/2	2,105.78	1/2	1,760.85	1/2	1,415.92	1/2	1,070.99	1/2	726.07	1/2	381.14	1/2	40.21	1/2	1/2	1/2		1/2	1/2
3/4	2,098.59	3/4	1,753.66	3/4	1,408.74	3/4	1,063.81	3/4	718.88	3/4	373.95	3/4	34.63	3/4	3/4	3/4		3/4	3/4
10	2,091.41	10	1,746.48	10	1,401.55	10	1,056.62	10	711.70	10	366.77	10	29.04	10	10	10		10	10
1/4	2,084.22	1/4	1,739.29	1/4	1,394.36	1/4	1,049.43	1/4	704.51	1/4	359.58	1/4	25.05	1/4	1/4	1/4		1/4	1/4
1/2	2,077.03	1/2	1,732.11	1/2	1,387.18	1/2	1,042.25	1/2	697.32	1/2	352.39	1/2	21.06	1/2	1/2	1/2		1/2	1/2
3/4	2,069.85	3/4	1,724.92	3/4	1,379.99	3/4	1,035.06	3/4	690.14	3/4	345.21	3/4	17.07	3/4	3/4	3/4		3/4	3/4
11	2,062.66	11	1,717.74	11	1,372.81	11	1,027.88	11	682.95	11	338.02	11	13.08	11	11	11		11	11
1/4	2,055.47	1/4	1,710.55	1/4	1,365.62	1/4	1,020.69	1/4	675.76	1/4	330.83	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,048.29	1/2	1,703.36	1/2	1,358.43	1/2	1,013.51	1/2	668.58	1/2	323.65	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,041.10	3/4	1,696.18	3/4	1,351.25	3/4	1,006.32	3/4	661.39	3/4	316.46	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/2003 INSP.
RECOMPUTED: 08/23/2023 JS
VERIFIED: 08/17/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "MMI 3031"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,732.78	0	4,451.69	0	4,170.60	0	3,889.51	0	3,607.21	0	3,254.93	0	2,889.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,726.92	1/4	4,445.83	1/4	4,164.75	1/4	3,883.66	1/4	3,600.81	1/4	3,247.31	1/4	2,881.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,721.07	1/2	4,439.98	1/2	4,158.89	1/2	3,877.80	1/2	3,594.41	1/2	3,239.69	1/2	2,873.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,715.21	3/4	4,434.12	3/4	4,153.04	3/4	3,871.95	3/4	3,588.01	3/4	3,232.06	3/4	2,866.20
1		1		1		1	4,709.35	1	4,428.26	1	4,147.18	1	3,866.09	1	3,581.61	1	3,224.44	1	2,858.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,703.50	1/4	4,422.41	1/4	4,141.32	1/4	3,860.23	1/4	3,574.94	1/4	3,216.82	1/4	2,850.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,697.64	1/2	4,416.55	1/2	4,135.47	1/2	3,854.38	1/2	3,568.27	1/2	3,209.20	1/2	2,843.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,691.79	3/4	4,410.70	3/4	4,129.61	3/4	3,848.52	3/4	3,561.59	3/4	3,201.57	3/4	2,835.72
2		2		2		2	4,685.93	2	4,404.84	2	4,123.75	2	3,842.66	2	3,554.92	2	3,193.95	2	2,828.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,680.07	1/4	4,398.99	1/4	4,117.90	1/4	3,836.81	1/4	3,547.98	1/4	3,186.33	1/4	2,820.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,674.22	1/2	4,393.13	1/2	4,112.04	1/2	3,830.95	1/2	3,541.04	1/2	3,178.71	1/2	2,812.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,668.36	3/4	4,387.28	3/4	4,106.19	3/4	3,825.10	3/4	3,534.09	3/4	3,171.08	3/4	2,805.23
3		3		3		3	4,662.50	3	4,381.42	3	4,100.33	3	3,819.24	3	3,527.15	3	3,163.46	3	2,797.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,656.65	1/4	4,375.56	1/4	4,094.47	1/4	3,813.39	1/4	3,519.94	1/4	3,155.84	1/4	2,789.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,650.79	1/2	4,369.71	1/2	4,088.62	1/2	3,807.53	1/2	3,512.72	1/2	3,148.22	1/2	2,782.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,644.94	3/4	4,363.85	3/4	4,082.76	3/4	3,801.68	3/4	3,505.51	3/4	3,140.60	3/4	2,774.74
4		4		4		4	4,639.08	4	4,357.99	4	4,076.90	4	3,795.82	4	3,498.29	4	3,132.98	4	2,767.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,633.23	1/4	4,352.14	1/4	4,071.05	1/4	3,789.96	1/4	3,490.80	1/4	3,125.36	1/4	2,759.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,627.37	1/2	4,346.28	1/2	4,065.19	1/2	3,784.11	1/2	3,483.32	1/2	3,117.74	1/2	2,751.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,621.52	3/4	4,340.43	3/4	4,059.34	3/4	3,778.25	3/4	3,475.83	3/4	3,110.11	3/4	2,744.25
5		5	4,832.32	5	4,615.66	5	4,354.57	5	4,053.48	5	3,772.39	5	3,468.34	5	3,102.49	5	2,736.63		
1/4	1/4	1/4	4,831.66	1/4	4,609.80	1/4	4,328.71	1/4	4,047.63	1/4	3,766.54	1/4	3,460.72	1/4	3,094.87	1/4	2,729.01		
1/2	1/2	1/2	4,830.99	1/2	4,603.95	1/2	4,322.86	1/2	4,041.77	1/2	3,760.68	1/2	3,453.10	1/2	3,087.25	1/2	2,721.39		
3/4	3/4	3/4	4,830.33	3/4	4,598.09	3/4	4,317.00	3/4	4,035.92	3/4	3,754.83	3/4	3,445.48	3/4	3,079.62	3/4	2,713.76		
6		6	4,829.66	6	4,592.23	6	4,311.14	6	4,030.06	6	3,748.97	6	3,437.86	6	3,072.00	6	2,706.14		
1/4	1/4	1/4	4,828.06	1/4	4,586.38	1/4	4,305.29	1/4	4,024.20	1/4	3,743.11	1/4	3,430.24	1/4	3,064.38	1/4	2,698.52		
1/2	1/2	1/2	4,826.47	1/2	4,580.52	1/2	4,299.43	1/2	4,018.35	1/2	3,737.26	1/2	3,422.62	1/2	3,056.76	1/2	2,690.90		
3/4	3/4	3/4	4,824.87	3/4	4,574.67	3/4	4,293.58	3/4	4,012.49	3/4	3,731.40	3/4	3,414.99	3/4	3,049.13	3/4	2,683.28		
7		7	4,823.27	7	4,568.81	7	4,287.72	7	4,006.63	7	3,725.54	7	3,407.37	7	3,041.51	7	2,675.66		
1/4	1/4	1/4	4,820.61	1/4	4,562.95	1/4	4,281.87	1/4	4,000.78	1/4	3,719.69	1/4	3,399.75	1/4	3,033.89	1/4	2,668.04		
1/2	1/2	1/2	4,817.95	1/2	4,557.10	1/2	4,276.01	1/2	3,994.92	1/2	3,713.83	1/2	3,392.13	1/2	3,026.27	1/2	2,660.42		
3/4	3/4	3/4	4,815.28	3/4	4,551.24	3/4	4,270.16	3/4	3,989.07	3/4	3,707.98	3/4	3,384.50	3/4	3,018.64	3/4	2,652.79		
8		8	4,812.62	8	4,545.38	8	4,264.30	8	3,983.21	8	3,702.12	8	3,376.88	8	3,011.02	8	2,645.17		
1/4	1/4	1/4	4,808.90	1/4	4,539.53	1/4	4,258.44	1/4	3,977.35	1/4	3,696.27	1/4	3,369.26	1/4	3,003.40	1/4	2,637.55		
1/2	1/2	1/2	4,805.17	1/2	4,533.67	1/2	4,252.59	1/2	3,971.50	1/2	3,690.41	1/2	3,361.64	1/2	2,995.78	1/2	2,629.93		
3/4	3/4	3/4	4,801.45	3/4	4,527.82	3/4	4,246.73	3/4	3,965.64	3/4	3,684.56	3/4	3,354.01	3/4	2,988.16	3/4	2,622.30		
9		9	4,797.72	9	4,521.96	9	4,240.87	9	3,959.78	9	3,678.70	9	3,346.39	9	2,980.54	9	2,614.68		
1/4	1/4	1/4	4,792.93	1/4	4,516.11	1/4	4,235.02	1/4	3,953.93	1/4	3,672.84	1/4	3,338.77	1/4	2,972.92	1/4	2,607.06		
1/2	1/2	1/2	4,788.14	1/2	4,510.25	1/2	4,229.16	1/2	3,948.07	1/2	3,666.99	1/2	3,331.15	1/2	2,965.30	1/2	2,599.44		
3/4	3/4	3/4	4,783.35	3/4	4,504.40	3/4	4,223.31	3/4	3,942.22	3/4	3,661.13	3/4	3,323.52	3/4	2,957.67	3/4	2,591.81		
10		10	4,778.56	10	4,498.54	10	4,217.45	10	3,936.36	10	3,655.27	10	3,315.90	10	2,950.05	10	2,584.19		
1/4	1/4	1/4	4,772.97	1/4	4,492.68	1/4	4,211.59	1/4	3,930.51	1/4	3,649.38	1/4	3,308.28	1/4	2,942.43	1/4	2,576.57		
1/2	1/2	1/2	4,767.38	1/2	4,486.83	1/2	4,205.74	1/2	3,924.65	1/2	3,643.49	1/2	3,300.66	1/2	2,934.81	1/2	2,568.95		
3/4	3/4	3/4	4,761.79	3/4	4,480.97	3/4	4,199.88	3/4	3,918.80	3/4	3,637.60	3/4	3,293.04	3/4	2,927.18	3/4	2,561.32		
11		11	4,756.20	11	4,475.11	11	4,194.02	11	3,912.94	11	3,631.71	11	3,285.42	11	2,919.56	11	2,553.70		
1/4	1/4	1/4	4,750.35	1/4	4,469.26	1/4	4,188.17	1/4	3,907.08	1/4	3,625.59	1/4	3,277.80	1/4	2,911.94	1/4	2,546.08		
1/2	1/2	1/2	4,744.49	1/2	4,463.40	1/2	4,182.31	1/2	3,901.23	1/2	3,619.46	1/2	3,270.18	1/2	2,904.32	1/2	2,538.46		
3/4	3/4	3/4	4,738.64	3/4	4,457.55	3/4	4,176.46	3/4	3,895.37	3/4	3,613.34	3/4	3,262.55	3/4	2,896.69	3/4	2,530.84		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "MMI 3031"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-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	2,523.22	0	2,157.36	0	1,791.50	0	1,425.65	0	1,059.79	0	693.94	0	328.08	0		0		0	
1/4	2,515.60	1/4	2,149.74	1/4	1,783.88	1/4	1,418.03	1/4	1,052.17	1/4	686.32	1/4	320.46	1/4	1/4		1/4		1/4
1/2	2,507.98	1/2	2,142.12	1/2	1,776.26	1/2	1,410.41	1/2	1,044.55	1/2	678.70	1/2	312.84	1/2	1/2		1/2		1/2
3/4	2,500.35	3/4	2,134.49	3/4	1,768.64	3/4	1,402.78	3/4	1,036.92	3/4	671.07	3/4	305.21	3/4	3/4		3/4		3/4
1	2,492.73	1	2,126.87	1	1,761.02	1	1,395.16	1	1,029.30	1	663.45	1	297.59	1	1		1		1
1/4	2,485.11	1/4	2,119.25	1/4	1,753.40	1/4	1,387.54	1/4	1,021.68	1/4	655.83	1/4	289.97	1/4	1/4		1/4		1/4
1/2	2,477.49	1/2	2,111.63	1/2	1,745.78	1/2	1,379.92	1/2	1,014.06	1/2	648.21	1/2	282.35	1/2	1/2		1/2		1/2
3/4	2,469.86	3/4	2,104.00	3/4	1,738.15	3/4	1,372.29	3/4	1,006.44	3/4	640.58	3/4	274.72	3/4	3/4		3/4		3/4
2	2,462.24	2	2,096.38	2	1,730.53	2	1,364.67	2	998.82	2	632.96	2	267.10	2	2		2		2
1/4	2,454.62	1/4	2,088.76	1/4	1,722.91	1/4	1,357.05	1/4	991.20	1/4	625.34	1/4	259.48	1/4	1/4		1/4		1/4
1/2	2,447.00	1/2	2,081.14	1/2	1,715.29	1/2	1,349.43	1/2	983.58	1/2	617.72	1/2	251.86	1/2	1/2		1/2		1/2
3/4	2,439.37	3/4	2,073.52	3/4	1,707.66	3/4	1,341.80	3/4	975.95	3/4	610.09	3/4	244.24	3/4	3/4		3/4		3/4
3	2,431.75	3	2,065.90	3	1,700.04	3	1,334.18	3	968.33	3	602.47	3	236.62	3	3		3		3
1/4	2,424.13	1/4	2,058.28	1/4	1,692.42	1/4	1,326.56	1/4	960.71	1/4	594.85	1/4	229.00	1/4	1/4		1/4		1/4
1/2	2,416.51	1/2	2,050.66	1/2	1,684.80	1/2	1,318.94	1/2	953.09	1/2	587.23	1/2	221.38	1/2	1/2		1/2		1/2
3/4	2,408.88	3/4	2,043.03	3/4	1,677.17	3/4	1,311.32	3/4	945.46	3/4	579.60	3/4	213.75	3/4	3/4		3/4		3/4
4	2,401.26	4	2,035.41	4	1,669.55	4	1,303.70	4	937.84	4	571.98	4	206.13	4	4		4		4
1/4	2,393.64	1/4	2,027.79	1/4	1,661.93	1/4	1,296.08	1/4	930.22	1/4	564.36	1/4	198.51	1/4	1/4		1/4		1/4
1/2	2,386.02	1/2	2,020.17	1/2	1,654.31	1/2	1,288.46	1/2	922.60	1/2	556.74	1/2	190.89	1/2	1/2		1/2		1/2
3/4	2,378.40	3/4	2,012.54	3/4	1,646.68	3/4	1,280.83	3/4	914.97	3/4	549.12	3/4	183.26	3/4	3/4		3/4		3/4
5	2,370.78	5	2,004.92	5	1,639.06	5	1,273.21	5	907.35	5	541.50	5	175.64	5	5		5		5
1/4	2,363.16	1/4	1,997.30	1/4	1,631.44	1/4	1,265.59	1/4	899.73	1/4	533.88	1/4	168.02	1/4	1/4		1/4		1/4
1/2	2,355.54	1/2	1,989.68	1/2	1,623.82	1/2	1,257.97	1/2	892.11	1/2	526.26	1/2	160.40	1/2	1/2		1/2		1/2
3/4	2,347.91	3/4	1,982.05	3/4	1,616.20	3/4	1,250.34	3/4	884.48	3/4	518.63	3/4	152.77	3/4	3/4		3/4		3/4
6	2,340.29	6	1,974.43	6	1,608.58	6	1,242.72	6	876.86	6	511.01	6	145.15	6	6		6		6
1/4	2,332.67	1/4	1,966.81	1/4	1,600.96	1/4	1,235.10	1/4	869.24	1/4	503.39	1/4	137.53	1/4	1/4		1/4		1/4
1/2	2,325.05	1/2	1,959.19	1/2	1,593.34	1/2	1,227.48	1/2	861.62	1/2	495.77	1/2	129.91	1/2	1/2		1/2		1/2
3/4	2,317.42	3/4	1,951.56	3/4	1,585.71	3/4	1,219.85	3/4	854.00	3/4	488.14	3/4	122.28	3/4	3/4		3/4		3/4
7	2,309.80	7	1,943.94	7	1,578.09	7	1,212.23	7	846.38	7	480.52	7	114.66	7	7		7		7
1/4	2,302.18	1/4	1,936.32	1/4	1,570.47	1/4	1,204.61	1/4	838.76	1/4	472.90	1/4	107.04	1/4	1/4		1/4		1/4
1/2	2,294.56	1/2	1,928.70	1/2	1,562.85	1/2	1,196.99	1/2	831.14	1/2	465.28	1/2	99.42	1/2	1/2		1/2		1/2
3/4	2,286.93	3/4	1,921.08	3/4	1,555.22	3/4	1,189.36	3/4	823.51	3/4	457.65	3/4	91.80	3/4	3/4		3/4		3/4
8	2,279.31	8	1,913.46	8	1,547.60	8	1,181.74	8	815.89	8	450.03	8	84.18	8	8		8		8
1/4	2,271.69	1/4	1,905.84	1/4	1,539.98	1/4	1,174.12	1/4	808.27	1/4	442.41	1/4	76.77	1/4	1/4		1/4		1/4
1/2	2,264.07	1/2	1,898.22	1/2	1,532.36	1/2	1,166.50	1/2	800.65	1/2	434.79	1/2	69.36	1/2	1/2		1/2		1/2
3/4	2,256.44	3/4	1,890.59	3/4	1,524.73	3/4	1,158.88	3/4	793.02	3/4	427.16	3/4	61.94	3/4	3/4		3/4		3/4
9	2,248.82	9	1,882.97	9	1,517.11	9	1,151.26	9	785.40	9	419.54	9	54.53	9	9		9		9
1/4	2,241.20	1/4	1,875.35	1/4	1,509.49	1/4	1,143.64	1/4	777.78	1/4	411.92	1/4	48.60	1/4	1/4		1/4		1/4
1/2	2,233.58	1/2	1,867.73	1/2	1,501.87	1/2	1,136.02	1/2	770.16	1/2	404.30	1/2	42.68	1/2	1/2		1/2		1/2
3/4	2,225.96	3/4	1,860.10	3/4	1,494.24	3/4	1,128.39	3/4	762.53	3/4	396.68	3/4	36.75	3/4	3/4		3/4		3/4
10	2,218.34	10	1,852.48	10	1,486.62	10	1,120.77	10	754.91	10	389.06	10	30.82	10	10		10		10
1/4	2,210.72	1/4	1,844.86	1/4	1,479.00	1/4	1,113.15	1/4	747.29	1/4	381.44	1/4	26.59	1/4	1/4		1/4		1/4
1/2	2,203.10	1/2	1,837.24	1/2	1,471.38	1/2	1,105.53	1/2	739.67	1/2	373.82	1/2	22.35	1/2	1/2		1/2		1/2
3/4	2,195.47	3/4	1,829.61	3/4	1,463.76	3/4	1,097.90	3/4	732.04	3/4	366.19	3/4	18.12	3/4	3/4		3/4		3/4
11	2,187.85	11	1,821.99	11	1,456.14	11	1,090.28	11	724.42	11	358.57	11	13.88	11	11		11		11
1/4	2,180.23	1/4	1,814.37	1/4	1,448.52	1/4	1,082.66	1/4	716.80	1/4	350.95	1/4		1/4	1/4		1/4		1/4
1/2	2,172.61	1/2	1,806.75	1/2	1,440.90	1/2	1,075.04	1/2	709.18	1/2	343.33	1/2		1/2	1/2		1/2		1/2
3/4	2,164.98	3/4	1,799.12	3/4	1,433.27	3/4	1,067.41	3/4	701.56	3/4	335.70	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/2003 INSP.
RECOMPUTED: 08/23/2023 JS
VERIFIED: 08/17/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "MMI 3031"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,732.78	0	4,451.69	0	4,170.60	0	3,889.51	0	3,607.21	0	3,254.93	0	2,889.07		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,726.92	1/4	4,445.83	1/4	4,164.75	1/4	3,883.66	1/4	3,600.81	1/4	3,247.31	1/4	2,881.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,721.07	1/2	4,439.98	1/2	4,158.89	1/2	3,877.80	1/2	3,594.41	1/2	3,239.69	1/2	2,873.83		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,715.21	3/4	4,434.12	3/4	4,153.04	3/4	3,871.95	3/4	3,588.01	3/4	3,232.06	3/4	2,866.20		
1		1		1		1	4,709.35	1	4,428.26	1	4,147.18	1	3,866.09	1	3,581.61	1	3,224.44	1	2,858.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,703.50	1/4	4,422.41	1/4	4,141.32	1/4	3,860.23	1/4	3,574.94	1/4	3,216.82	1/4	2,850.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,697.64	1/2	4,416.55	1/2	4,135.47	1/2	3,854.38	1/2	3,568.27	1/2	3,209.20	1/2	2,843.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,691.79	3/4	4,410.70	3/4	4,129.61	3/4	3,848.52	3/4	3,561.59	3/4	3,201.57	3/4	2,835.72		
2		2		2		2	4,685.93	2	4,404.84	2	4,123.75	2	3,842.66	2	3,554.92	2	3,193.95	2	2,828.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,680.07	1/4	4,398.99	1/4	4,117.90	1/4	3,836.81	1/4	3,547.98	1/4	3,186.33	1/4	2,820.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,674.22	1/2	4,393.13	1/2	4,112.04	1/2	3,830.95	1/2	3,541.04	1/2	3,178.71	1/2	2,812.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,668.36	3/4	4,387.28	3/4	4,106.19	3/4	3,825.10	3/4	3,534.09	3/4	3,171.08	3/4	2,805.23		
3		3		3		3	4,662.50	3	4,381.42	3	4,100.33	3	3,819.24	3	3,527.15	3	3,163.46	3	2,797.61		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,656.65	1/4	4,375.56	1/4	4,094.47	1/4	3,813.39	1/4	3,519.94	1/4	3,155.84	1/4	2,789.99		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,650.79	1/2	4,369.71	1/2	4,088.62	1/2	3,807.53	1/2	3,512.72	1/2	3,148.22	1/2	2,782.37		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,644.94	3/4	4,363.85	3/4	4,082.76	3/4	3,801.68	3/4	3,505.51	3/4	3,140.60	3/4	2,774.74		
4		4		4		4	4,639.08	4	4,357.99	4	4,076.90	4	3,795.82	4	3,498.29	4	3,132.98	4	2,767.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,633.23	1/4	4,352.14	1/4	4,071.05	1/4	3,789.96	1/4	3,490.80	1/4	3,125.36	1/4	2,759.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,627.37	1/2	4,346.28	1/2	4,065.19	1/2	3,784.11	1/2	3,483.32	1/2	3,117.74	1/2	2,751.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,621.52	3/4	4,340.43	3/4	4,059.34	3/4	3,778.25	3/4	3,475.83	3/4	3,110.11	3/4	2,744.25		
5		5	4,832.32	5	4,615.66	5	4,615.66	5	4,354.57	5	4,053.48	5	3,772.39	5	3,468.34	5	3,102.49	5	2,736.63		
1/4	1/4	1/4	4,831.66	1/4	4,609.80	1/4	4,609.80	1/4	4,328.71	1/4	4,047.63	1/4	3,766.54	1/4	3,460.72	1/4	3,094.87	1/4	2,729.01		
1/2	1/2	1/2	4,830.99	1/2	4,603.95	1/2	4,603.95	1/2	4,322.86	1/2	4,041.77	1/2	3,760.68	1/2	3,453.10	1/2	3,087.25	1/2	2,721.39		
3/4	3/4	3/4	4,830.33	3/4	4,598.09	3/4	4,598.09	3/4	4,317.00	3/4	4,035.92	3/4	3,754.83	3/4	3,445.48	3/4	3,079.62	3/4	2,713.76		
6		6	4,829.66	6	4,592.23	6	4,592.23	6	4,311.14	6	4,030.06	6	3,748.97	6	3,437.86	6	3,072.00	6	2,706.14		
1/4	1/4	1/4	4,828.06	1/4	4,586.38	1/4	4,586.38	1/4	4,305.29	1/4	4,024.20	1/4	3,743.11	1/4	3,430.24	1/4	3,064.38	1/4	2,698.52		
1/2	1/2	1/2	4,826.47	1/2	4,580.52	1/2	4,580.52	1/2	4,299.43	1/2	4,018.35	1/2	3,737.26	1/2	3,422.62	1/2	3,056.76	1/2	2,690.90		
3/4	3/4	3/4	4,824.87	3/4	4,574.67	3/4	4,574.67	3/4	4,293.58	3/4	4,012.49	3/4	3,731.40	3/4	3,414.99	3/4	3,049.13	3/4	2,683.28		
7		7	4,823.27	7	4,568.81	7	4,568.81	7	4,287.72	7	4,006.63	7	3,725.54	7	3,407.37	7	3,041.51	7	2,675.66		
1/4	1/4	1/4	4,820.61	1/4	4,562.95	1/4	4,562.95	1/4	4,281.87	1/4	4,000.78	1/4	3,719.69	1/4	3,399.75	1/4	3,033.89	1/4	2,668.04		
1/2	1/2	1/2	4,817.95	1/2	4,557.10	1/2	4,557.10	1/2	4,276.01	1/2	3,994.92	1/2	3,713.83	1/2	3,392.13	1/2	3,026.27	1/2	2,660.42		
3/4	3/4	3/4	4,815.28	3/4	4,551.24	3/4	4,551.24	3/4	4,270.16	3/4	3,989.07	3/4	3,707.98	3/4	3,384.50	3/4	3,018.64	3/4	2,652.79		
8		8	4,812.62	8	4,545.38	8	4,545.38	8	4,264.30	8	3,983.21	8	3,702.12	8	3,376.88	8	3,011.02	8	2,645.17		
1/4	1/4	1/4	4,808.90	1/4	4,539.53	1/4	4,539.53	1/4	4,258.44	1/4	3,977.35	1/4	3,696.27	1/4	3,369.26	1/4	3,003.40	1/4	2,637.55		
1/2	1/2	1/2	4,805.17	1/2	4,533.67	1/2	4,533.67	1/2	4,252.59	1/2	3,971.50	1/2	3,690.41	1/2	3,361.64	1/2	2,995.78	1/2	2,629.93		
3/4	3/4	3/4	4,801.45	3/4	4,527.82	3/4	4,527.82	3/4	4,246.73	3/4	3,965.64	3/4	3,684.56	3/4	3,354.01	3/4	2,988.16	3/4	2,622.30		
9		9	4,797.72	9	4,521.96	9	4,521.96	9	4,240.87	9	3,959.78	9	3,678.70	9	3,346.39	9	2,980.54	9	2,614.68		
1/4	1/4	1/4	4,792.93	1/4	4,516.11	1/4	4,516.11	1/4	4,235.02	1/4	3,953.93	1/4	3,672.84	1/4	3,338.77	1/4	2,972.92	1/4	2,607.06		
1/2	1/2	1/2	4,788.14	1/2	4,510.25	1/2	4,510.25	1/2	4,229.16	1/2	3,948.07	1/2	3,666.99	1/2	3,331.15	1/2	2,965.30	1/2	2,599.44		
3/4	3/4	3/4	4,783.35	3/4	4,504.40	3/4	4,504.40	3/4	4,223.31	3/4	3,942.22	3/4	3,661.13	3/4	3,323.52	3/4	2,957.67	3/4	2,591.81		
10		10	4,778.56	10	4,498.54	10	4,498.54	10	4,217.45	10	3,936.36	10	3,655.27	10	3,315.90	10	2,950.05	10	2,584.19		
1/4	1/4	1/4	4,772.97	1/4	4,492.68	1/4	4,492.68	1/4	4,211.59	1/4	3,930.51	1/4	3,649.38	1/4	3,308.28	1/4	2,942.43	1/4	2,576.57		
1/2	1/2	1/2	4,767.38	1/2	4,486.83	1/2	4,486.83	1/2	4,205.74	1/2	3,924.65	1/2	3,643.49	1/2	3,300.66	1/2	2,934.81	1/2	2,568.95		
3/4	3/4	3/4	4,761.79	3/4	4,480.97	3/4	4,480.97	3/4	4,199.88	3/4	3,918.80	3/4	3,637.60	3/4	3,293.04	3/4	2,927.18	3/4	2,561.32		
11		11	4,756.20	11	4,475.11	11	4,475.11	11	4,194.02	11	3,912.94	11	3,631.71	11	3,285.42	11	2,919.56	11	2,553.70		
1/4	1/4	1/4	4,750.35	1/4	4,469.26	1/4	4,469.26	1/4	4,188.17	1/4	3,907.08	1/4	3,625.59	1/4	3,277.80	1/4	2,911.94	1/4	2,546.08		
1/2	1/2	1/2	4,744.49	1/2	4,463.40	1/2	4,463.40	1/2	4,182.31	1/2	3,901.23	1/2	3,619.46	1/2	3,270.18	1/2	2,904.32	1/2	2,538.46		
3/4	3/4	3/4	4,738.64	3/4	4,457.55	3/4	4,457.55	3/4	4,176.46	3/4	3,895.37	3/4	3,613.34	3/4	3,262.55	3/4	2,896.69	3/4	2,530.84		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 45'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "MMI 3031"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-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	2,523.22	0	2,157.36	0	1,791.50	0	1,425.65	0	1,059.79	0	693.94	0	328.08	0		0		0	
1/4	2,515.60	1/4	2,149.74	1/4	1,783.88	1/4	1,418.03	1/4	1,052.17	1/4	686.32	1/4	320.46	1/4	1/4	1/4		1/4	1/4
1/2	2,507.98	1/2	2,142.12	1/2	1,776.26	1/2	1,410.41	1/2	1,044.55	1/2	678.70	1/2	312.84	1/2	1/2	1/2		1/2	1/2
3/4	2,500.35	3/4	2,134.49	3/4	1,768.64	3/4	1,402.78	3/4	1,036.92	3/4	671.07	3/4	305.21	3/4	3/4	3/4		3/4	3/4
1	2,492.73	1	2,126.87	1	1,761.02	1	1,395.16	1	1,029.30	1	663.45	1	297.59	1	1	1		1	1
1/4	2,485.11	1/4	2,119.25	1/4	1,753.40	1/4	1,387.54	1/4	1,021.68	1/4	655.83	1/4	289.97	1/4	1/4	1/4		1/4	1/4
1/2	2,477.49	1/2	2,111.63	1/2	1,745.78	1/2	1,379.92	1/2	1,014.06	1/2	648.21	1/2	282.35	1/2	1/2	1/2		1/2	1/2
3/4	2,469.86	3/4	2,104.00	3/4	1,738.15	3/4	1,372.29	3/4	1,006.44	3/4	640.58	3/4	274.72	3/4	3/4	3/4		3/4	3/4
2	2,462.24	2	2,096.38	2	1,730.53	2	1,364.67	2	998.82	2	632.96	2	267.10	2	2	2		2	2
1/4	2,454.62	1/4	2,088.76	1/4	1,722.91	1/4	1,357.05	1/4	991.20	1/4	625.34	1/4	259.48	1/4	1/4	1/4		1/4	1/4
1/2	2,447.00	1/2	2,081.14	1/2	1,715.29	1/2	1,349.43	1/2	983.58	1/2	617.72	1/2	251.86	1/2	1/2	1/2		1/2	1/2
3/4	2,439.37	3/4	2,073.52	3/4	1,707.66	3/4	1,341.80	3/4	975.95	3/4	610.09	3/4	244.24	3/4	3/4	3/4		3/4	3/4
3	2,431.75	3	2,065.90	3	1,700.04	3	1,334.18	3	968.33	3	602.47	3	236.62	3	3	3		3	3
1/4	2,424.13	1/4	2,058.28	1/4	1,692.42	1/4	1,326.56	1/4	960.71	1/4	594.85	1/4	229.00	1/4	1/4	1/4		1/4	1/4
1/2	2,416.51	1/2	2,050.66	1/2	1,684.80	1/2	1,318.94	1/2	953.09	1/2	587.23	1/2	221.38	1/2	1/2	1/2		1/2	1/2
3/4	2,408.88	3/4	2,043.03	3/4	1,677.17	3/4	1,311.32	3/4	945.46	3/4	579.60	3/4	213.75	3/4	3/4	3/4		3/4	3/4
4	2,401.26	4	2,035.41	4	1,669.55	4	1,303.70	4	937.84	4	571.98	4	206.13	4	4	4		4	4
1/4	2,393.64	1/4	2,027.79	1/4	1,661.93	1/4	1,296.08	1/4	930.22	1/4	564.36	1/4	198.51	1/4	1/4	1/4		1/4	1/4
1/2	2,386.02	1/2	2,020.17	1/2	1,654.31	1/2	1,288.46	1/2	922.60	1/2	556.74	1/2	190.89	1/2	1/2	1/2		1/2	1/2
3/4	2,378.40	3/4	2,012.54	3/4	1,646.68	3/4	1,280.83	3/4	914.97	3/4	549.12	3/4	183.26	3/4	3/4	3/4		3/4	3/4
5	2,370.78	5	2,004.92	5	1,639.06	5	1,273.21	5	907.35	5	541.50	5	175.64	5	5	5		5	5
1/4	2,363.16	1/4	1,997.30	1/4	1,631.44	1/4	1,265.59	1/4	899.73	1/4	533.88	1/4	168.02	1/4	1/4	1/4		1/4	1/4
1/2	2,355.54	1/2	1,989.68	1/2	1,623.82	1/2	1,257.97	1/2	892.11	1/2	526.26	1/2	160.40	1/2	1/2	1/2		1/2	1/2
3/4	2,347.91	3/4	1,982.05	3/4	1,616.20	3/4	1,250.34	3/4	884.48	3/4	518.63	3/4	152.77	3/4	3/4	3/4		3/4	3/4
6	2,340.29	6	1,974.43	6	1,608.58	6	1,242.72	6	876.86	6	511.01	6	145.15	6	6	6		6	6
1/4	2,332.67	1/4	1,966.81	1/4	1,600.96	1/4	1,235.10	1/4	869.24	1/4	503.39	1/4	137.53	1/4	1/4	1/4		1/4	1/4
1/2	2,325.05	1/2	1,959.19	1/2	1,593.34	1/2	1,227.48	1/2	861.62	1/2	495.77	1/2	129.91	1/2	1/2	1/2		1/2	1/2
3/4	2,317.42	3/4	1,951.56	3/4	1,585.71	3/4	1,219.85	3/4	854.00	3/4	488.14	3/4	122.28	3/4	3/4	3/4		3/4	3/4
7	2,309.80	7	1,943.94	7	1,578.09	7	1,212.23	7	846.38	7	480.52	7	114.66	7	7	7		7	7
1/4	2,302.18	1/4	1,936.32	1/4	1,570.47	1/4	1,204.61	1/4	838.76	1/4	472.90	1/4	107.04	1/4	1/4	1/4		1/4	1/4
1/2	2,294.56	1/2	1,928.70	1/2	1,562.85	1/2	1,196.99	1/2	831.14	1/2	465.28	1/2	99.42	1/2	1/2	1/2		1/2	1/2
3/4	2,286.93	3/4	1,921.08	3/4	1,555.22	3/4	1,189.36	3/4	823.51	3/4	457.65	3/4	91.80	3/4	3/4	3/4		3/4	3/4
8	2,279.31	8	1,913.46	8	1,547.60	8	1,181.74	8	815.89	8	450.03	8	84.18	8	8	8		8	8
1/4	2,271.69	1/4	1,905.84	1/4	1,539.98	1/4	1,174.12	1/4	808.27	1/4	442.41	1/4	76.77	1/4	1/4	1/4		1/4	1/4
1/2	2,264.07	1/2	1,898.22	1/2	1,532.36	1/2	1,166.50	1/2	800.65	1/2	434.79	1/2	69.36	1/2	1/2	1/2		1/2	1/2
3/4	2,256.44	3/4	1,890.59	3/4	1,524.73	3/4	1,158.88	3/4	793.02	3/4	427.16	3/4	61.94	3/4	3/4	3/4		3/4	3/4
9	2,248.82	9	1,882.97	9	1,517.11	9	1,151.26	9	785.40	9	419.54	9	54.53	9	9	9		9	9
1/4	2,241.20	1/4	1,875.35	1/4	1,509.49	1/4	1,143.64	1/4	777.78	1/4	411.92	1/4	48.60	1/4	1/4	1/4		1/4	1/4
1/2	2,233.58	1/2	1,867.73	1/2	1,501.87	1/2	1,136.02	1/2	770.16	1/2	404.30	1/2	42.68	1/2	1/2	1/2		1/2	1/2
3/4	2,225.96	3/4	1,860.10	3/4	1,494.24	3/4	1,128.39	3/4	762.53	3/4	396.68	3/4	36.75	3/4	3/4	3/4		3/4	3/4
10	2,218.34	10	1,852.48	10	1,486.62	10	1,120.77	10	754.91	10	389.06	10	30.82	10	10	10		10	10
1/4	2,210.72	1/4	1,844.86	1/4	1,479.00	1/4	1,113.15	1/4	747.29	1/4	381.44	1/4	26.59	1/4	1/4	1/4		1/4	1/4
1/2	2,203.10	1/2	1,837.24	1/2	1,471.38	1/2	1,105.53	1/2	739.67	1/2	373.82	1/2	22.35	1/2	1/2	1/2		1/2	1/2
3/4	2,195.47	3/4	1,829.61	3/4	1,463.76	3/4	1,097.90	3/4	732.04	3/4	366.19	3/4	18.12	3/4	3/4	3/4		3/4	3/4
11	2,187.85	11	1,821.99	11	1,456.14	11	1,090.28	11	724.42	11	358.57	11	13.88	11	11	11		11	11
1/4	2,180.23	1/4	1,814.37	1/4	1,448.52	1/4	1,082.66	1/4	716.80	1/4	350.95	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,172.61	1/2	1,806.75	1/2	1,440.90	1/2	1,075.04	1/2	709.18	1/2	343.33	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,164.98	3/4	1,799.12	3/4	1,433.27	3/4	1,067.41	3/4	701.56	3/4	335.70	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/2003 INSP.
RECOMPUTED: 08/23/2023 JS
VERIFIED: 08/17/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "MMI 3031"

FWD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 5' 07 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	451	0	903	0	1,354	0	1,805	0		0		0		0		0	
1/4	9	1/4	461	1/4	912	1/4	1,363	1/4	1,815	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	470	1/2	921	1/2	1,373	1/2	1,824	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	480	3/4	931	3/4	1,382	3/4	1,834	3/4		3/4		3/4		3/4		3/4	
1	38	1	489	1	940	1	1,392	1	1,843	1		1		1		1		1	
1/4	47	1/4	498	1/4	950	1/4	1,401	1/4	1,852	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	508	1/2	959	1/2	1,410	1/2	1,862	1/2		1/2		1/2		1/2		1/2	
3/4	66	3/4	517	3/4	968	3/4	1,420	3/4	1,871	3/4		3/4		3/4		3/4		3/4	
2	75	2	527	2	978	2	1,429	2	1,881	2		2		2		2		2	
1/4	85	1/4	536	1/4	987	1/4	1,439	1/4	1,890	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	545	1/2	997	1/2	1,448	1/2	1,899	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	555	3/4	1,006	3/4	1,457	3/4	1,909	3/4		3/4		3/4		3/4		3/4	
3	113	3	564	3	1,015	3	1,467	3	1,918	3		3		3		3		3	
1/4	122	1/4	574	1/4	1,025	1/4	1,476	1/4	1,928	1/4		1/4		1/4		1/4		1/4	
1/2	132	1/2	583	1/2	1,034	1/2	1,486	1/2	1,937	1/2		1/2		1/2		1/2		1/2	
3/4	141	3/4	592	3/4	1,044	3/4	1,495	3/4	1,946	3/4		3/4		3/4		3/4		3/4	
4	150	4	602	4	1,053	4	1,504	4	1,956	4		4		4		4		4	
1/4	160	1/4	611	1/4	1,062	1/4	1,514	1/4	1,965	1/4		1/4		1/4		1/4		1/4	
1/2	169	1/2	621	1/2	1,072	1/2	1,523	1/2	1,975	1/2		1/2		1/2		1/2		1/2	
3/4	179	3/4	630	3/4	1,081	3/4	1,533	3/4	1,984	3/4		3/4		3/4		3/4		3/4	
5	188	5	639	5	1,091	5	1,542	5	1,993	5		5		5		5		5	
1/4	197	1/4	649	1/4	1,100	1/4	1,551	1/4	2,003	1/4		1/4		1/4		1/4		1/4	
1/2	207	1/2	658	1/2	1,110	1/2	1,561	1/2	2,012	1/2		1/2		1/2		1/2		1/2	
3/4	216	3/4	668	3/4	1,119	3/4	1,570	3/4	2,022	3/4		3/4		3/4		3/4		3/4	
6	226	6	677	6	1,128	6	1,580	6		6		6		6		6		6	
1/4	235	1/4	686	1/4	1,138	1/4	1,589	1/4		1,589	1/4	1/4		1/4		1/4		1/4	
1/2	244	1/2	696	1/2	1,147	1/2	1,598	1/2		1,598	1/2	1/2		1/2		1/2		1/2	
3/4	254	3/4	705	3/4	1,157	3/4	1,608	3/4		1,608	3/4	3/4		3/4		3/4		3/4	
7	263	7	715	7	1,166	7	1,617	7		7		7		7		7		7	
1/4	273	1/4	724	1/4	1,175	1/4	1,627	1/4		1,627	1/4	1/4		1/4		1/4		1/4	
1/2	282	1/2	733	1/2	1,185	1/2	1,636	1/2		1,636	1/2	1/2		1/2		1/2		1/2	
3/4	291	3/4	743	3/4	1,194	3/4	1,645	3/4		1,645	3/4	3/4		3/4		3/4		3/4	
8	301	8	752	8	1,204	8	1,655	8		8		8		8		8		8	
1/4	310	1/4	762	1/4	1,213	1/4	1,664	1/4		1,664	1/4	1/4		1/4		1/4		1/4	
1/2	320	1/2	771	1/2	1,222	1/2	1,674	1/2		1,674	1/2	1/2		1/2		1/2		1/2	
3/4	329	3/4	780	3/4	1,232	3/4	1,683	3/4		1,683	3/4	3/4		3/4		3/4		3/4	
9	338	9	790	9	1,241	9	1,692	9		9		9		9		9		9	
1/4	348	1/4	799	1/4	1,251	1/4	1,702	1/4		1,702	1/4	1/4		1/4		1/4		1/4	
1/2	357	1/2	809	1/2	1,260	1/2	1,711	1/2		1,711	1/2	1/2		1/2		1/2		1/2	
3/4	367	3/4	818	3/4	1,269	3/4	1,721	3/4		1,721	3/4	3/4		3/4		3/4		3/4	
10	376	10	827	10	1,279	10	1,730	10		10		10		10		10		10	
1/4	386	1/4	837	1/4	1,288	1/4	1,739	1/4		1,739	1/4	1/4		1/4		1/4		1/4	
1/2	395	1/2	846	1/2	1,298	1/2	1,749	1/2		1,749	1/2	1/2		1/2		1/2		1/2	
3/4	404	3/4	856	3/4	1,307	3/4	1,758	3/4		1,758	3/4	3/4		3/4		3/4		3/4	
11	414	11	865	11	1,316	11	1,768	11		11		11		11		11		11	
1/4	423	1/4	874	1/4	1,326	1/4	1,777	1/4		1,777	1/4	1/4		1/4		1/4		1/4	
1/2	433	1/2	884	1/2	1,335	1/2	1,786	1/2		1,786	1/2	1/2		1/2		1/2		1/2	
3/4	442	3/4	893	3/4	1,345	3/4	1,796	3/4		1,796	3/4	3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 08/17/2023 JS
CALCULATED: 08/22/2023 CL
VERIFIED: 08/22/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MMI 3031"

AFT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 5' 07 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	451	0	903	0	1,354	0	1,805	0		0		0		0		0	
1/4	9	1/4	461	1/4	912	1/4	1,363	1/4	1,815	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	470	1/2	921	1/2	1,373	1/2	1,824	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	480	3/4	931	3/4	1,382	3/4	1,834	3/4		3/4		3/4		3/4		3/4	
1	38	1	489	1	940	1	1,392	1	1,843	1		1		1		1		1	
1/4	47	1/4	498	1/4	950	1/4	1,401	1/4	1,852	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	508	1/2	959	1/2	1,410	1/2	1,862	1/2		1/2		1/2		1/2		1/2	
3/4	66	3/4	517	3/4	968	3/4	1,420	3/4	1,871	3/4		3/4		3/4		3/4		3/4	
2	75	2	527	2	978	2	1,429	2	1,881	2		2		2		2		2	
1/4	85	1/4	536	1/4	987	1/4	1,439	1/4	1,890	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	545	1/2	997	1/2	1,448	1/2	1,899	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	555	3/4	1,006	3/4	1,457	3/4	1,909	3/4		3/4		3/4		3/4		3/4	
3	113	3	564	3	1,015	3	1,467	3	1,918	3		3		3		3		3	
1/4	122	1/4	574	1/4	1,025	1/4	1,476	1/4	1,928	1/4		1/4		1/4		1/4		1/4	
1/2	132	1/2	583	1/2	1,034	1/2	1,486	1/2	1,937	1/2		1/2		1/2		1/2		1/2	
3/4	141	3/4	592	3/4	1,044	3/4	1,495	3/4	1,946	3/4		3/4		3/4		3/4		3/4	
4	150	4	602	4	1,053	4	1,504	4	1,956	4		4		4		4		4	
1/4	160	1/4	611	1/4	1,062	1/4	1,514	1/4	1,965	1/4		1/4		1/4		1/4		1/4	
1/2	169	1/2	621	1/2	1,072	1/2	1,523	1/2	1,975	1/2		1/2		1/2		1/2		1/2	
3/4	179	3/4	630	3/4	1,081	3/4	1,533	3/4	1,984	3/4		3/4		3/4		3/4		3/4	
5	188	5	639	5	1,091	5	1,542	5	1,993	5		5		5		5		5	
1/4	197	1/4	649	1/4	1,100	1/4	1,551	1/4	2,003	1/4		1/4		1/4		1/4		1/4	
1/2	207	1/2	658	1/2	1,110	1/2	1,561	1/2	2,012	1/2		1/2		1/2		1/2		1/2	
3/4	216	3/4	668	3/4	1,119	3/4	1,570	3/4	2,022	3/4		3/4		3/4		3/4		3/4	
6	226	6	677	6	1,128	6	1,580	6		6		6		6		6		6	
1/4	235	1/4	686	1/4	1,138	1/4	1,589	1/4		1,138		1/4		1/4		1/4		1/4	
1/2	244	1/2	696	1/2	1,147	1/2	1,598	1/2		1,147		1/2		1/2		1/2		1/2	
3/4	254	3/4	705	3/4	1,157	3/4	1,608	3/4		1,157		3/4		3/4		3/4		3/4	
7	263	7	715	7	1,166	7	1,617	7		1,166		7		7		7		7	
1/4	273	1/4	724	1/4	1,175	1/4	1,627	1/4		1,175		1/4		1/4		1/4		1/4	
1/2	282	1/2	733	1/2	1,185	1/2	1,636	1/2		1,185		1/2		1/2		1/2		1/2	
3/4	291	3/4	743	3/4	1,194	3/4	1,645	3/4		1,194		3/4		3/4		3/4		3/4	
8	301	8	752	8	1,204	8	1,655	8		1,204		8		8		8		8	
1/4	310	1/4	762	1/4	1,213	1/4	1,664	1/4		1,213		1/4		1/4		1/4		1/4	
1/2	320	1/2	771	1/2	1,222	1/2	1,674	1/2		1,222		1/2		1/2		1/2		1/2	
3/4	329	3/4	780	3/4	1,232	3/4	1,683	3/4		1,232		3/4		3/4		3/4		3/4	
9	338	9	790	9	1,241	9	1,692	9		1,241		9		9		9		9	
1/4	348	1/4	799	1/4	1,251	1/4	1,702	1/4		1,251		1/4		1/4		1/4		1/4	
1/2	357	1/2	809	1/2	1,260	1/2	1,711	1/2		1,260		1/2		1/2		1/2		1/2	
3/4	367	3/4	818	3/4	1,269	3/4	1,721	3/4		1,269		3/4		3/4		3/4		3/4	
10	376	10	827	10	1,279	10	1,730	10		1,279		10		10		10		10	
1/4	386	1/4	837	1/4	1,288	1/4	1,739	1/4		1,288		1/4		1/4		1/4		1/4	
1/2	395	1/2	846	1/2	1,298	1/2	1,749	1/2		1,298		1/2		1/2		1/2		1/2	
3/4	404	3/4	856	3/4	1,307	3/4	1,758	3/4		1,307		3/4		3/4		3/4		3/4	
11	414	11	865	11	1,316	11	1,768	11		1,316		11		11		11		11	
1/4	423	1/4	874	1/4	1,326	1/4	1,777	1/4		1,326		1/4		1/4		1/4		1/4	
1/2	433	1/2	884	1/2	1,335	1/2	1,786	1/2		1,335		1/2		1/2		1/2		1/2	
3/4	442	3/4	893	3/4	1,345	3/4	1,796	3/4		1,345		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 08/17/2023 JS
 CALCULATED: 08/22/2023 CL
 VERIFIED: 08/22/2023 JS

CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "MMI 3031"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 3'-10"

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	120	0	301	0	465	0		0		0		0		0		0	
1/4	1	1/4	124	1/4	305	1/4	468	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2	1/2	127	1/2	309	1/2	470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	131	3/4	313	3/4	473	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	134	1	316	1	476	1		1		1		1		1		1	
1/4	5	1/4	138	1/4	320	1/4	478	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	6	1/2	142	1/2	324	1/2	480	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	7	3/4	145	3/4	328	3/4	483	3/4		3/4		3/4		3/4		3/4		3/4	
2	9	2	149	2	331	2	485	2		2		2		2		2		2	
1/4	11	1/4	152	1/4	335	1/4	487	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	13	1/2	156	1/2	339	1/2	489	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	14	3/4	160	3/4	343	3/4	491	3/4		3/4		3/4		3/4		3/4		3/4	
3	16	3	163	3	346	3	494	3		3		3		3		3		3	
1/4	18	1/4	167	1/4	350	1/4	495	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	20	1/2	171	1/2	354	1/2	497	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	23	3/4	175	3/4	357	3/4	499	3/4		3/4		3/4		3/4		3/4		3/4	
4	25	4	178	4	361	4	501	4		4		4		4		4		4	
1/4	27	1/4	182	1/4	365	1/4	502	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	29	1/2	186	1/2	368	1/2	504	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	32	3/4	190	3/4	372	3/4	505	3/4		3/4		3/4		3/4		3/4		3/4	
5	34	5	193	5	375	5	507	5		5		5		5		5		5	
1/4	37	1/4	197	1/4	379	1/4	507	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	39	1/2	201	1/2	383	1/2	508	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	42	3/4	205	3/4	386	3/4	509	3/4		3/4		3/4		3/4		3/4		3/4	
6	45	6	209	6	390	6	510	6		6		6		6		6		6	
1/4	47	1/4	213	1/4	393	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	50	1/2	216	1/2	396	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	220	3/4	400	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	56	7	224	7	403	7		7		7		7		7		7		7	
1/4	59	1/4	228	1/4	407	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	232	1/2	410	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	236	3/4	413	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	68	8	239	8	417	8		8		8		8		8		8		8	
1/4	71	1/4	243	1/4	420	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	74	1/2	247	1/2	423	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	77	3/4	251	3/4	426	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	80	9	255	9	430	9		9		9		9		9		9		9	
1/4	83	1/4	259	1/4	433	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	87	1/2	263	1/2	436	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	90	3/4	266	3/4	439	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	93	10	270	10	442	10		10		10		10		10		10		10	
1/4	96	1/4	274	1/4	445	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	100	1/2	278	1/2	448	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	282	3/4	451	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	106	11	286	11	454	11		11		11		11		11		11		11	
1/4	110	1/4	290	1/4	457	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113	1/2	293	1/2	460	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	117	3/4	297	3/4	462	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" PIPE.

STRAPPED: 08/17/2023 JS
 CALCULATED: 08/22/2023 CL
 VERIFIED : 08/22/2023 JS

CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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