



BARGE "MPC 1013"

INNAGE 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 CENTER	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
3 CENTER	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8

(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 CENTER IS 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 162'-09"

January 23, 2015

PRECISION MEASUREMENT
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<http://www.pmacorp.net>



BARGE "MPC 1013"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN WHOLE GALLONS

GAUGE HEIGHT 4'-10 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	351	0	702	0	1,052	0		0		0		0		0		0	
1/4	7	1/4	358	1/4	709	1/4	1,060	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	15	1/2	365	1/2	716	1/2	1,067	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	22	3/4	373	3/4	724	3/4	1,074	3/4		3/4		3/4		3/4		3/4		3/4	
1	29	1	380	1	731	1	1,082	1		1		1		1		1		1	
1/4	37	1/4	387	1/4	738	1/4	1,089	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	44	1/2	395	1/2	745	1/2	1,096	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	51	3/4	402	3/4	753	3/4	1,104	3/4		3/4		3/4		3/4		3/4		3/4	
2	58	2	409	2	760	2	1,111	2		2		2		2		2		2	
1/4	66	1/4	417	1/4	767	1/4	1,118	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	73	1/2	424	1/2	775	1/2	1,126	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	80	3/4	431	3/4	782	3/4	1,133	3/4		3/4		3/4		3/4		3/4		3/4	
3	88	3	439	3	789	3	1,140	3		3		3		3		3		3	
1/4	95	1/4	446	1/4	797	1/4	1,147	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	102	1/2	453	1/2	804	1/2	1,155	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110	3/4	460	3/4	811	3/4	1,162	3/4		3/4		3/4		3/4		3/4		3/4	
4	117	4	468	4	819	4	1,169	4		4		4		4		4		4	
1/4	124	1/4	475	1/4	826	1/4	1,177	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	132	1/2	482	1/2	833	1/2	1,184	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	139	3/4	490	3/4	841	3/4	1,191	3/4		3/4		3/4		3/4		3/4		3/4	
5	146	5	497	5	848	5	1,199	5		5		5		5		5		5	
1/4	153	1/4	504	1/4	855	1/4	1,206	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161	1/2	512	1/2	862	1/2	1,213	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	168	3/4	519	3/4	870	3/4	1,221	3/4		3/4		3/4		3/4		3/4		3/4	
6	175	6	526	6	877	6	1,228	6		6		6		6		6		6	
1/4	183	1/4	534	1/4	884	1/4	1,235	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	190	1/2	541	1/2	892	1/2	1,242	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	197	3/4	548	3/4	899	3/4	1,250	3/4		3/4		3/4		3/4		3/4		3/4	
7	205	7	555	7	906	7	1,257	7		7		7		7		7		7	
1/4	212	1/4	563	1/4	914	1/4	1,264	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	219	1/2	570	1/2	921	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	227	3/4	577	3/4	928	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	234	8	585	8	936	8		8		8		8		8		8		8	
1/4	241	1/4	592	1/4	943	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	248	1/2	599	1/2	950	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	256	3/4	607	3/4	957	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	263	9	614	9	965	9		9		9		9		9		9		9	
1/4	270	1/4	621	1/4	972	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	278	1/2	629	1/2	979	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	285	3/4	636	3/4	987	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	292	10	643	10	994	10		10		10		10		10		10		10	
1/4	300	1/4	650	1/4	1,001	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	307	1/2	658	1/2	1,009	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	314	3/4	665	3/4	1,016	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	322	11	672	11	1,023	11		11		11		11		11		11		11	
1/4	329	1/4	680	1/4	1,031	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	336	1/2	687	1/2	1,038	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	344	3/4	694	3/4	1,045	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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 TO TOP OF 2" MMC CLOSED GAUGING VALVE

STRAPPED: 01/22/2015 CL
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CANCELS AND SUPERCEDES
 ALL PRIOR TO 01/2015

PRECISION MEASUREMENT
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BARGE "MPC 1013"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN 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	85	0	213	0	328	0		0		0		0		0		0	
1/4	1	1/4	87	1/4	215	1/4	330	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	90	1/2	218	1/2	332	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	92	3/4	221	3/4	334	3/4		3/4		3/4		3/4		3/4		3/4	
1	2	1	95	1	223	1	336	1		1		1		1		1		1	
1/4	3	1/4	97	1/4	226	1/4	337	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4	1/2	100	1/2	229	1/2	339	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	5	3/4	102	3/4	231	3/4	341	3/4		3/4		3/4		3/4		3/4		3/4	
2	6	2	105	2	234	2	342	2		2		2		2		2		2	
1/4	8	1/4	108	1/4	237	1/4	344	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	9	1/2	110	1/2	239	1/2	345	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	10	3/4	113	3/4	242	3/4	347	3/4		3/4		3/4		3/4		3/4		3/4	
3	11	3	115	3	244	3	348	3		3		3		3		3		3	
1/4	13	1/4	118	1/4	247	1/4	350	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	14	1/2	121	1/2	250	1/2	351	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	16	3/4	123	3/4	252	3/4	352	3/4		3/4		3/4		3/4		3/4		3/4	
4	17	4	126	4	255	4	354	4		4		4		4		4		4	
1/4	19	1/4	129	1/4	257	1/4	355	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	131	1/2	260	1/2	356	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	22	3/4	134	3/4	262	3/4	357	3/4		3/4		3/4		3/4		3/4		3/4	
5	24	5	137	5	265	5	358	5		5		5		5		5		5	
1/4	26	1/4	139	1/4	268	1/4	358	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	28	1/2	142	1/2	270	1/2	359	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	30	3/4	145	3/4	273	3/4	359	3/4		3/4		3/4		3/4		3/4		3/4	
6	32	6	147	6	275	6	360	6		6		6		6		6		6	
1/4	34	1/4	150	1/4	277	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	35	1/2	153	1/2	280	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	37	3/4	155	3/4	282	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	39	7	158	7	285	7		7		7		7		7		7		7	
1/4	42	1/4	161	1/4	287	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	44	1/2	164	1/2	289	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	46	3/4	166	3/4	292	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	48	8	169	8	294	8		8		8		8		8		8		8	
1/4	50	1/4	172	1/4	296	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	52	1/2	174	1/2	299	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	177	3/4	301	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	57	9	180	9	303	9		9		9		9		9		9		9	
1/4	59	1/4	183	1/4	306	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	185	1/2	308	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	63	3/4	188	3/4	310	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	66	10	191	10	312	10		10		10		10		10		10		10	
1/4	68	1/4	194	1/4	314	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	70	1/2	196	1/2	316	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	73	3/4	199	3/4	318	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	75	11	202	11	320	11		11		11		11		11		11		11	
1/4	78	1/4	204	1/4	322	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	80	1/2	207	1/2	324	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	82	3/4	210	3/4	326	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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 TO TOP OF 10" HATCH

STRAPPED: 01/22/2015 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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BARGE "MPC 1013"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 3/4"

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	2.54	0	235.27	0	496.20	0	756.64	0	1,017.19	0	1,277.22	0	1,538.15	0	1,799.09	0	2,060.02	0	2,320.95
1/4	4.35	1/4	240.71	1/4	501.63	1/4	762.05	1/4	1,022.56	1/4	1,282.66	1/4	1,543.59	1/4	1,804.52	1/4	2,065.46	1/4	2,326.39
1/2	6.17	1/2	246.15	1/2	507.07	1/2	767.47	1/2	1,027.93	1/2	1,288.09	1/2	1,549.03	1/2	1,809.96	1/2	2,070.89	1/2	2,331.82
3/4	7.98	3/4	251.58	3/4	512.51	3/4	772.89	3/4	1,033.31	3/4	1,293.53	3/4	1,554.46	3/4	1,815.39	3/4	2,076.33	3/4	2,337.26
1	9.79	1	257.02	1	517.94	1	778.30	1	1,038.68	1	1,298.97	1	1,559.90	1	1,820.83	1	2,081.76	1	2,342.70
1/4	13.41	1/4	262.45	1/4	523.38	1/4	783.72	1/4	1,044.05	1/4	1,304.40	1/4	1,565.33	1/4	1,826.27	1/4	2,087.20	1/4	2,348.13
1/2	17.03	1/2	267.89	1/2	528.81	1/2	789.14	1/2	1,049.42	1/2	1,309.84	1/2	1,570.77	1/2	1,831.70	1/2	2,092.64	1/2	2,353.57
3/4	20.65	3/4	273.33	3/4	534.25	3/4	794.56	3/4	1,054.79	3/4	1,315.27	3/4	1,576.21	3/4	1,837.14	3/4	2,098.07	3/4	2,359.00
2	24.27	2	278.76	2	539.68	2	799.97	2	1,060.16	2	1,320.71	2	1,581.64	2	1,842.58	2	2,103.51	2	2,364.44
1/4	29.19	1/4	284.20	1/4	545.12	1/4	805.39	1/4	1,065.54	1/4	1,326.15	1/4	1,587.08	1/4	1,848.01	1/4	2,108.94	1/4	2,369.88
1/2	34.11	1/2	289.63	1/2	550.56	1/2	810.81	1/2	1,070.91	1/2	1,331.58	1/2	1,592.51	1/2	1,853.45	1/2	2,114.38	1/2	2,375.31
3/4	39.04	3/4	295.07	3/4	555.99	3/4	816.23	3/4	1,076.28	3/4	1,337.02	3/4	1,597.95	3/4	1,858.88	3/4	2,119.82	3/4	2,380.75
3	43.96	3	300.51	3	561.43	3	821.65	3	1,081.65	3	1,342.45	3	1,603.39	3	1,864.32	3	2,125.25	3	2,386.19
1/4	49.09	1/4	305.94	1/4	566.86	1/4	827.08	1/4	1,087.05	1/4	1,347.89	1/4	1,608.82	1/4	1,869.76	1/4	2,130.69	1/4	2,391.62
1/2	54.23	1/2	311.38	1/2	572.30	1/2	832.51	1/2	1,092.46	1/2	1,353.33	1/2	1,614.26	1/2	1,875.19	1/2	2,136.12	1/2	2,397.06
3/4	59.36	3/4	316.81	3/4	577.74	3/4	837.94	3/4	1,097.86	3/4	1,358.76	3/4	1,619.70	3/4	1,880.63	3/4	2,141.56	3/4	2,402.49
4	64.49	4	322.25	4	583.17	4	843.36	4	1,103.27	4	1,364.20	4	1,625.13	4	1,886.06	4	2,147.00	4	2,407.93
1/4	69.45	1/4	327.68	1/4	588.61	1/4	848.80	1/4	1,108.70	1/4	1,369.63	1/4	1,630.57	1/4	1,891.50	1/4	2,152.43	1/4	2,413.37
1/2	74.40	1/2	333.12	1/2	594.04	1/2	854.24	1/2	1,114.14	1/2	1,375.07	1/2	1,636.00	1/2	1,896.94	1/2	2,157.87	1/2	2,418.80
3/4	79.36	3/4	338.56	3/4	599.48	3/4	859.67	3/4	1,119.57	3/4	1,380.51	3/4	1,641.44	3/4	1,902.37	3/4	2,163.31	3/4	2,424.24
5	84.32	5	343.99	5	604.92	5	865.11	5	1,125.01	5	1,385.94	5	1,646.88	5	1,907.81	5	2,168.74	5	2,429.67
1/4	89.50	1/4	349.43	1/4	610.34	1/4	870.55	1/4	1,130.45	1/4	1,391.38	1/4	1,652.31	1/4	1,913.24	1/4	2,174.18	1/4	2,435.11
1/2	94.69	1/2	354.86	1/2	615.77	1/2	875.98	1/2	1,135.88	1/2	1,396.82	1/2	1,657.75	1/2	1,918.68	1/2	2,179.61	1/2	2,440.55
3/4	99.87	3/4	360.30	3/4	621.20	3/4	881.42	3/4	1,141.32	3/4	1,402.25	3/4	1,663.18	3/4	1,924.12	3/4	2,185.05	3/4	2,445.98
6	105.06	6	365.74	6	626.63	6	886.85	6	1,146.75	6	1,407.69	6	1,668.62	6	1,929.55	6	2,190.49	6	2,451.42
1/4	110.47	1/4	371.17	1/4	632.05	1/4	892.29	1/4	1,152.19	1/4	1,413.12	1/4	1,674.06	1/4	1,934.99	1/4	2,195.92	1/4	2,456.85
1/2	115.87	1/2	376.61	1/2	637.47	1/2	897.73	1/2	1,157.63	1/2	1,418.56	1/2	1,679.49	1/2	1,940.43	1/2	2,201.36	1/2	2,462.29
3/4	121.28	3/4	382.04	3/4	642.88	3/4	903.16	3/4	1,163.06	3/4	1,424.00	3/4	1,684.93	3/4	1,945.86	3/4	2,206.79	3/4	2,467.73
7	126.68	7	387.48	7	648.30	7	908.60	7	1,168.50	7	1,429.43	7	1,690.36	7	1,951.30	7	2,212.23	7	2,473.16
1/4	132.10	1/4	392.92	1/4	653.72	1/4	914.03	1/4	1,173.94	1/4	1,434.87	1/4	1,695.80	1/4	1,956.73	1/4	2,217.67	1/4	2,478.60
1/2	137.51	1/2	398.35	1/2	659.14	1/2	919.47	1/2	1,179.37	1/2	1,440.30	1/2	1,701.24	1/2	1,962.17	1/2	2,223.10	1/2	2,484.04
3/4	142.93	3/4	403.79	3/4	664.55	3/4	924.91	3/4	1,184.81	3/4	1,445.74	3/4	1,706.67	3/4	1,967.61	3/4	2,228.54	3/4	2,489.47
8	148.34	8	409.22	8	669.97	8	930.34	8	1,190.24	8	1,451.18	8	1,712.11	8	1,973.04	8	2,233.97	8	2,494.91
1/4	153.77	1/4	414.66	1/4	675.39	1/4	935.78	1/4	1,195.68	1/4	1,456.61	1/4	1,717.55	1/4	1,978.48	1/4	2,239.41	1/4	2,500.34
1/2	159.19	1/2	420.09	1/2	680.80	1/2	941.21	1/2	1,201.12	1/2	1,462.05	1/2	1,722.98	1/2	1,983.91	1/2	2,244.85	1/2	2,505.78
3/4	164.62	3/4	425.53	3/4	686.22	3/4	946.65	3/4	1,206.55	3/4	1,467.48	3/4	1,728.42	3/4	1,989.35	3/4	2,250.28	3/4	2,511.22
9	170.04	9	430.97	9	691.64	9	952.09	9	1,211.99	9	1,472.92	9	1,733.85	9	1,994.79	9	2,255.72	9	2,516.65
1/4	175.48	1/4	436.40	1/4	697.05	1/4	957.52	1/4	1,217.42	1/4	1,478.36	1/4	1,739.29	1/4	2,000.22	1/4	2,261.16	1/4	2,522.09
1/2	180.92	1/2	441.84	1/2	702.47	1/2	962.96	1/2	1,222.86	1/2	1,483.79	1/2	1,744.73	1/2	2,005.66	1/2	2,266.59	1/2	2,527.52
3/4	186.35	3/4	447.27	3/4	707.89	3/4	968.40	3/4	1,228.30	3/4	1,489.23	3/4	1,750.16	3/4	2,011.09	3/4	2,272.03	3/4	2,532.96
10	191.79	10	452.71	10	713.30	10	973.83	10	1,233.73	10	1,494.66	10	1,755.60	10	2,016.53	10	2,277.46	10	2,538.40
1/4	197.22	1/4	458.15	1/4	718.72	1/4	979.27	1/4	1,239.17	1/4	1,500.10	1/4	1,761.03	1/4	2,021.97	1/4	2,282.90	1/4	2,543.83
1/2	202.66	1/2	463.58	1/2	724.14	1/2	984.70	1/2	1,244.60	1/2	1,505.54	1/2	1,766.47	1/2	2,027.40	1/2	2,288.34	1/2	2,549.27
3/4	208.09	3/4	469.02	3/4	729.55	3/4	990.14	3/4	1,250.04	3/4	1,510.97	3/4	1,771.91	3/4	2,032.84	3/4	2,293.77	3/4	2,554.70
11	213.53	11	474.45	11	734.97	11	995.58	11	1,255.48	11	1,516.41	11	1,777.34	11	2,038.27	11	2,299.21	11	2,560.14
1/4	218.97	1/4	479.89	1/4	740.39	1/4	1,000.98	1/4	1,260.91	1/4	1,521.85	1/4	1,782.78	1/4	2,043.71	1/4	2,304.64	1/4	2,565.58
1/2	224.40	1/2	485.33	1/2	745.80	1/2	1,006.38	1/2	1,266.35	1/2	1,527.28	1/2	1,788.21	1/2	2,049.15	1/2	2,310.08	1/2	2,571.01
3/4	229.84	3/4	490.76	3/4	751.22	3/4	1,011.79	3/4	1,271.78	3/4	1,532.72	3/4	1,793.65	3/4	2,054.58	3/4	2,315.52	3/4	2,576.45

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 TO TOP OF 2" MMC CLOSED GAUGING VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD

PERFORMANCE MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MPC 1013"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 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	2,581.88	0	2,842.42	0	3,102.63	0	3,362.61	0		0		0		0		0		0	
1/4	2,587.32	1/4	2,847.84	1/4	3,108.05	1/4	3,367.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,592.76	1/2	2,853.26	1/2	3,113.47	1/2	3,373.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,598.19	3/4	2,858.68	3/4	3,118.89	3/4	3,378.52	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,603.63	1	2,864.10	1	3,124.31	1	3,383.82	1		1		1		1		1		1	
1/4	2,609.07	1/4	2,869.52	1/4	3,129.73	1/4	3,389.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,614.50	1/2	2,874.94	1/2	3,135.15	1/2	3,394.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,619.94	3/4	2,880.36	3/4	3,140.57	3/4	3,399.70	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,625.37	2	2,885.79	2	3,145.99	2	3,404.99	2		2		2		2		2		2	
1/4	2,630.81	1/4	2,891.21	1/4	3,151.41	1/4	3,410.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,636.25	1/2	2,896.63	1/2	3,156.84	1/2	3,415.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,641.68	3/4	2,902.05	3/4	3,162.26	3/4	3,420.49	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,647.12	3	2,907.47	3	3,167.68	3	3,425.65	3		3		3		3		3		3	
1/4	2,652.55	1/4	2,912.89	1/4	3,173.10	1/4	3,429.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,657.99	1/2	2,918.31	1/2	3,178.52	1/2	3,434.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,663.43	3/4	2,923.73	3/4	3,183.94	3/4	3,438.47	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,668.86	4	2,929.15	4	3,189.36	4	3,442.75	4		4		4		4		4		4	
1/4	2,674.30	1/4	2,934.57	1/4	3,194.78	1/4	3,445.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,679.73	1/2	2,940.00	1/2	3,200.20	1/2	3,447.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,685.17	3/4	2,945.42	3/4	3,205.62	3/4	3,450.51	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,690.61	5	2,950.84	5	3,211.05	5	3,453.10	5		5		5		5		5		5	
1/4	2,696.03	1/4	2,956.26	1/4	3,216.47	1/4	3,454.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,701.46	1/2	2,961.68	1/2	3,221.89	1/2	3,455.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,706.89	3/4	2,967.10	3/4	3,227.31	3/4	3,456.31	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,712.31	6	2,972.52	6	3,232.73	6	3,457.37	6		6		6		6		6		6	
1/4	2,717.73	1/4	2,977.94	1/4	3,238.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,723.16	1/2	2,983.36	1/2	3,243.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,728.58	3/4	2,988.78	3/4	3,248.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,734.00	7	2,994.21	7	3,254.41	7		7		7		7		7		7		7	
1/4	2,739.42	1/4	2,999.63	1/4	3,259.83	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,744.84	1/2	3,005.05	1/2	3,265.26	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,750.26	3/4	3,010.47	3/4	3,270.68	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,755.68	8	3,015.89	8	3,276.10	8		8		8		8		8		8		8	
1/4	2,761.10	1/4	3,021.31	1/4	3,281.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,766.52	1/2	3,026.73	1/2	3,286.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,771.94	3/4	3,032.15	3/4	3,292.36	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,777.37	9	3,037.57	9	3,297.78	9		9		9		9		9		9		9	
1/4	2,782.79	1/4	3,042.99	1/4	3,303.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,788.21	1/2	3,048.42	1/2	3,308.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,793.63	3/4	3,053.84	3/4	3,314.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,799.05	10	3,059.26	10	3,319.47	10		10		10		10		10		10		10	
1/4	2,804.47	1/4	3,064.68	1/4	3,324.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,809.89	1/2	3,070.10	1/2	3,330.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,815.31	3/4	3,075.52	3/4	3,335.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,820.73	11	3,080.94	11	3,341.15	11		11		11		11		11		11		11	
1/4	2,826.15	1/4	3,086.36	1/4	3,346.51	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,831.58	1/2	3,091.78	1/2	3,351.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,837.00	3/4	3,097.20	3/4	3,357.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/22/2015 CL
CALCULATED: 01/23/2015 CL
PRINTED: 01/23/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

PRECISION MEASUREMENT
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BARGE "MPC 1013"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 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	2.56	0	237.30	0	500.45	0	759.66	0	1,020.57	0	1,282.83	0	1,545.98	0	1,809.14	0	2,072.29	0	2,335.45
1/4	4.38	1/4	242.79	1/4	505.93	1/4	764.99	1/4	1,025.99	1/4	1,288.31	1/4	1,551.47	1/4	1,814.62	1/4	2,077.78	1/4	2,340.93
1/2	6.21	1/2	248.27	1/2	511.41	1/2	770.32	1/2	1,031.41	1/2	1,293.79	1/2	1,556.95	1/2	1,820.10	1/2	2,083.26	1/2	2,346.41
3/4	8.04	3/4	253.75	3/4	516.90	3/4	775.65	3/4	1,036.83	3/4	1,299.28	3/4	1,562.43	3/4	1,825.59	3/4	2,088.74	3/4	2,351.90
1	9.87	1	259.23	1	522.38	1	780.98	1	1,042.25	1	1,304.76	1	1,567.91	1	1,831.07	1	2,094.22	1	2,357.38
1/4	13.52	1/4	264.72	1/4	527.86	1/4	786.31	1/4	1,047.66	1/4	1,310.24	1/4	1,573.40	1/4	1,836.55	1/4	2,099.71	1/4	2,362.86
1/2	17.17	1/2	270.20	1/2	533.34	1/2	791.64	1/2	1,053.08	1/2	1,315.72	1/2	1,578.88	1/2	1,842.03	1/2	2,105.19	1/2	2,368.34
3/4	20.82	3/4	275.68	3/4	538.83	3/4	796.97	3/4	1,058.50	3/4	1,321.20	3/4	1,584.36	3/4	1,847.52	3/4	2,110.67	3/4	2,373.83
2	24.47	2	281.16	2	544.31	2	802.30	2	1,063.92	2	1,326.69	2	1,589.84	2	1,853.00	2	2,116.15	2	2,379.31
1/4	29.44	1/4	286.64	1/4	549.79	1/4	807.63	1/4	1,069.34	1/4	1,332.17	1/4	1,595.32	1/4	1,858.48	1/4	2,121.64	1/4	2,384.79
1/2	34.40	1/2	292.13	1/2	555.27	1/2	812.96	1/2	1,074.75	1/2	1,337.65	1/2	1,600.81	1/2	1,863.96	1/2	2,127.12	1/2	2,390.27
3/4	39.36	3/4	297.61	3/4	560.75	3/4	818.30	3/4	1,080.17	3/4	1,343.13	3/4	1,606.29	3/4	1,869.44	3/4	2,132.60	3/4	2,395.76
3	44.33	3	303.09	3	566.24	3	823.63	3	1,085.59	3	1,348.62	3	1,611.77	3	1,874.93	3	2,138.08	3	2,401.24
1/4	49.51	1/4	308.57	1/4	571.72	1/4	829.04	1/4	1,091.04	1/4	1,354.10	1/4	1,617.25	1/4	1,880.41	1/4	2,143.56	1/4	2,406.72
1/2	54.69	1/2	314.06	1/2	577.20	1/2	834.45	1/2	1,096.49	1/2	1,359.58	1/2	1,622.74	1/2	1,885.89	1/2	2,149.05	1/2	2,412.20
3/4	59.86	3/4	319.54	3/4	582.68	3/4	839.86	3/4	1,101.94	3/4	1,365.06	3/4	1,628.22	3/4	1,891.37	3/4	2,154.53	3/4	2,417.68
4	65.04	4	325.02	4	588.17	4	845.26	4	1,107.39	4	1,370.55	4	1,633.70	4	1,896.86	4	2,160.01	4	2,423.17
1/4	70.04	1/4	330.50	1/4	593.65	1/4	850.75	1/4	1,112.87	1/4	1,376.03	1/4	1,639.18	1/4	1,902.34	1/4	2,165.49	1/4	2,428.65
1/2	75.05	1/2	335.98	1/2	599.13	1/2	856.23	1/2	1,118.36	1/2	1,381.51	1/2	1,644.67	1/2	1,907.82	1/2	2,170.98	1/2	2,434.13
3/4	80.05	3/4	341.47	3/4	604.61	3/4	861.71	3/4	1,123.84	3/4	1,386.99	3/4	1,650.15	3/4	1,913.30	3/4	2,176.46	3/4	2,439.61
5	85.05	5	346.95	5	610.09	5	867.19	5	1,129.32	5	1,392.48	5	1,655.63	5	1,918.79	5	2,181.94	5	2,445.10
1/4	90.28	1/4	352.43	1/4	615.50	1/4	872.68	1/4	1,134.80	1/4	1,397.96	1/4	1,661.11	1/4	1,924.27	1/4	2,187.42	1/4	2,450.58
1/2	95.51	1/2	357.91	1/2	620.91	1/2	878.16	1/2	1,140.29	1/2	1,403.44	1/2	1,666.60	1/2	1,929.75	1/2	2,192.91	1/2	2,456.06
3/4	100.75	3/4	363.39	3/4	626.32	3/4	883.64	3/4	1,145.77	3/4	1,408.92	3/4	1,672.08	3/4	1,935.23	3/4	2,198.39	3/4	2,461.54
6	105.98	6	368.88	6	631.73	6	889.12	6	1,151.25	6	1,414.41	6	1,677.56	6	1,940.72	6	2,203.87	6	2,467.03
1/4	111.43	1/4	374.36	1/4	637.07	1/4	894.61	1/4	1,156.73	1/4	1,419.89	1/4	1,683.04	1/4	1,946.20	1/4	2,209.35	1/4	2,472.51
1/2	116.88	1/2	379.84	1/2	642.40	1/2	900.09	1/2	1,162.22	1/2	1,425.37	1/2	1,688.53	1/2	1,951.68	1/2	2,214.84	1/2	2,477.99
3/4	122.33	3/4	385.32	3/4	647.73	3/4	905.57	3/4	1,167.70	3/4	1,430.85	3/4	1,694.01	3/4	1,957.16	3/4	2,220.32	3/4	2,483.47
7	127.79	7	390.81	7	653.06	7	911.05	7	1,173.18	7	1,436.34	7	1,699.49	7	1,962.65	7	2,225.80	7	2,488.96
1/4	133.25	1/4	396.29	1/4	658.39	1/4	916.54	1/4	1,178.66	1/4	1,441.82	1/4	1,704.97	1/4	1,968.13	1/4	2,231.28	1/4	2,494.44
1/2	138.71	1/2	401.77	1/2	663.72	1/2	922.02	1/2	1,184.14	1/2	1,447.30	1/2	1,710.46	1/2	1,973.61	1/2	2,236.77	1/2	2,499.92
3/4	144.17	3/4	407.25	3/4	669.05	3/4	927.50	3/4	1,189.63	3/4	1,452.78	3/4	1,715.94	3/4	1,979.09	3/4	2,242.25	3/4	2,505.40
8	149.63	8	412.73	8	674.38	8	932.98	8	1,195.11	8	1,458.26	8	1,721.42	8	1,984.58	8	2,247.73	8	2,510.89
1/4	155.10	1/4	418.22	1/4	679.71	1/4	938.47	1/4	1,200.59	1/4	1,463.75	1/4	1,726.90	1/4	1,990.06	1/4	2,253.21	1/4	2,516.37
1/2	160.57	1/2	423.70	1/2	685.04	1/2	943.95	1/2	1,206.07	1/2	1,469.23	1/2	1,732.38	1/2	1,995.54	1/2	2,258.70	1/2	2,521.85
3/4	166.05	3/4	429.18	3/4	690.37	3/4	949.43	3/4	1,211.56	3/4	1,474.71	3/4	1,737.87	3/4	2,001.02	3/4	2,264.18	3/4	2,527.33
9	171.52	9	434.66	9	695.70	9	954.91	9	1,217.04	9	1,480.19	9	1,743.35	9	2,006.50	9	2,269.66	9	2,532.82
1/4	177.00	1/4	440.15	1/4	701.03	1/4	960.39	1/4	1,222.52	1/4	1,485.68	1/4	1,748.83	1/4	2,011.99	1/4	2,275.14	1/4	2,538.30
1/2	182.48	1/2	445.63	1/2	706.36	1/2	965.88	1/2	1,228.00	1/2	1,491.16	1/2	1,754.31	1/2	2,017.47	1/2	2,280.62	1/2	2,543.78
3/4	187.96	3/4	451.11	3/4	711.69	3/4	971.36	3/4	1,233.49	3/4	1,496.64	3/4	1,759.80	3/4	2,022.95	3/4	2,286.11	3/4	2,549.26
10	193.45	10	456.59	10	717.02	10	976.84	10	1,238.97	10	1,502.12	10	1,765.28	10	2,028.43	10	2,291.59	10	2,554.74
1/4	198.93	1/4	462.07	1/4	722.35	1/4	982.32	1/4	1,244.45	1/4	1,507.61	1/4	1,770.76	1/4	2,033.92	1/4	2,297.07	1/4	2,560.23
1/2	204.41	1/2	467.56	1/2	727.68	1/2	987.81	1/2	1,249.93	1/2	1,513.09	1/2	1,776.24	1/2	2,039.40	1/2	2,302.55	1/2	2,565.71
3/4	209.89	3/4	473.04	3/4	733.01	3/4	993.29	3/4	1,255.42	3/4	1,518.57	3/4	1,781.73	3/4	2,044.88	3/4	2,308.04	3/4	2,571.19
11	215.38	11	478.52	11	738.34	11	998.77	11	1,260.90	11	1,524.05	11	1,787.21	11	2,050.36	11	2,313.52	11	2,576.67
1/4	220.86	1/4	484.00	1/4	743.67	1/4	1,004.22	1/4	1,266.38	1/4	1,529.54	1/4	1,792.69	1/4	2,055.85	1/4	2,319.00	1/4	2,582.16
1/2	226.34	1/2	489.49	1/2	749.00	1/2	1,009.67	1/2	1,271.86	1/2	1,535.02	1/2	1,798.17	1/2	2,061.33	1/2	2,324.48	1/2	2,587.64
3/4	231.82	3/4	494.97	3/4	754.33	3/4	1,015.12	3/4	1,277.35	3/4	1,540.50	3/4	1,803.66	3/4	2,066.81	3/4	2,329.97	3/4	2,593.12

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 TO TOP OF 2" MMC CLOSED GAUGING VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 24'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MPC 1013"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,598.60	0	2,861.39	0	3,123.83	0	3,386.03	0		0		0		0		0		0	
1/4	2,604.09	1/4	2,866.86	1/4	3,129.29	1/4	3,391.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,609.57	1/2	2,872.33	1/2	3,134.76	1/2	3,396.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,615.05	3/4	2,877.79	3/4	3,140.23	3/4	3,402.09	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,620.53	1	2,883.26	1	3,145.70	1	3,407.44	1		1		1		1		1		1	
1/4	2,626.02	1/4	2,888.73	1/4	3,151.16	1/4	3,412.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,631.50	1/2	2,894.20	1/2	3,156.63	1/2	3,418.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,636.98	3/4	2,899.66	3/4	3,162.10	3/4	3,423.46	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,642.46	2	2,905.13	2	3,167.57	2	3,428.80	2		2		2		2		2		2	
1/4	2,647.95	1/4	2,910.60	1/4	3,173.03	1/4	3,434.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,653.43	1/2	2,916.06	1/2	3,178.50	1/2	3,439.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,658.91	3/4	2,921.53	3/4	3,183.97	3/4	3,444.44	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,664.39	3	2,927.00	3	3,189.43	3	3,449.65	3		3		3		3		3		3	
1/4	2,669.88	1/4	2,932.47	1/4	3,194.90	1/4	3,453.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,675.36	1/2	2,937.93	1/2	3,200.37	1/2	3,458.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,680.84	3/4	2,943.40	3/4	3,205.84	3/4	3,462.58	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,686.32	4	2,948.87	4	3,211.30	4	3,466.89	4		4		4		4		4		4	
1/4	2,691.80	1/4	2,954.34	1/4	3,216.77	1/4	3,469.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,697.29	1/2	2,959.80	1/2	3,222.24	1/2	3,472.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,702.77	3/4	2,965.27	3/4	3,227.71	3/4	3,474.73	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,708.25	5	2,970.74	5	3,233.17	5	3,477.34	5		5		5		5		5		5	
1/4	2,713.73	1/4	2,976.21	1/4	3,238.64	1/4	3,478.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,719.21	1/2	2,981.67	1/2	3,244.11	1/2	3,479.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,724.69	3/4	2,987.14	3/4	3,249.58	3/4	3,480.57	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,730.17	6	2,992.61	6	3,255.04	6	3,481.65	6		6		6		6		6		6	
1/4	2,735.64	1/4	2,998.08	1/4	3,260.51	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,741.11	1/2	3,003.54	1/2	3,265.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,746.58	3/4	3,009.01	3/4	3,271.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,752.04	7	3,014.48	7	3,276.91	7		7		7		7		7		7		7	
1/4	2,757.51	1/4	3,019.95	1/4	3,282.38	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,762.98	1/2	3,025.41	1/2	3,287.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,768.44	3/4	3,030.88	3/4	3,293.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,773.91	8	3,036.35	8	3,298.78	8		8		8		8		8		8		8	
1/4	2,779.38	1/4	3,041.81	1/4	3,304.25	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,784.85	1/2	3,047.28	1/2	3,309.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,790.31	3/4	3,052.75	3/4	3,315.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,795.78	9	3,058.22	9	3,320.65	9		9		9		9		9		9		9	
1/4	2,801.25	1/4	3,063.68	1/4	3,326.12	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,806.72	1/2	3,069.15	1/2	3,331.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,812.18	3/4	3,074.62	3/4	3,337.05	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,817.65	10	3,080.09	10	3,342.52	10		10		10		10		10		10		10	
1/4	2,823.12	1/4	3,085.55	1/4	3,347.99	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,828.59	1/2	3,091.02	1/2	3,353.46	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,834.05	3/4	3,096.49	3/4	3,358.92	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,839.52	11	3,101.96	11	3,364.39	11		11		11		11		11		11		11	
1/4	2,844.99	1/4	3,107.42	1/4	3,369.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,850.46	1/2	3,112.89	1/2	3,375.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,855.92	3/4	3,118.36	3/4	3,380.62	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/22/2015 CL
CALCULATED: 01/23/2015 CL
PRINTED: 01/23/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

PRECISION MEASUREMENT
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BARGE "MPC 1013"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 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	6.12	0	271.61	0	568.28	0	864.38	0	1,160.84	0	1,456.53	0	1,752.42	0	2,049.06	0	2,345.69	0	2,642.33
1/4	8.19	1/4	277.79	1/4	574.46	1/4	870.56	1/4	1,166.95	1/4	1,462.69	1/4	1,758.60	1/4	2,055.24	1/4	2,351.87	1/4	2,648.51
1/2	10.25	1/2	283.97	1/2	580.64	1/2	876.73	1/2	1,173.07	1/2	1,468.85	1/2	1,764.78	1/2	2,061.42	1/2	2,358.05	1/2	2,654.69
3/4	12.32	3/4	290.15	3/4	586.82	3/4	882.91	3/4	1,179.18	3/4	1,475.01	3/4	1,770.96	3/4	2,067.60	3/4	2,364.23	3/4	2,660.87
1	14.38	1	296.33	1	593.00	1	889.08	1	1,185.30	1	1,481.17	1	1,777.14	1	2,073.78	1	2,370.41	1	2,667.05
1/4	18.50	1/4	302.51	1/4	599.18	1/4	895.26	1/4	1,191.42	1/4	1,487.33	1/4	1,783.32	1/4	2,079.96	1/4	2,376.59	1/4	2,673.23
1/2	22.63	1/2	308.69	1/2	605.36	1/2	901.43	1/2	1,197.53	1/2	1,493.49	1/2	1,789.50	1/2	2,086.14	1/2	2,382.77	1/2	2,679.41
3/4	26.75	3/4	314.87	3/4	611.54	3/4	907.61	3/4	1,203.65	3/4	1,499.65	3/4	1,795.68	3/4	2,092.32	3/4	2,388.95	3/4	2,685.59
2	30.88	2	321.05	2	617.72	2	913.78	2	1,209.76	2	1,505.81	2	1,801.86	2	2,098.50	2	2,395.13	2	2,691.77
1/4	36.48	1/4	327.23	1/4	623.90	1/4	919.96	1/4	1,215.88	1/4	1,511.97	1/4	1,808.04	1/4	2,104.68	1/4	2,401.31	1/4	2,697.95
1/2	42.09	1/2	333.42	1/2	630.08	1/2	926.13	1/2	1,221.99	1/2	1,518.14	1/2	1,814.22	1/2	2,110.86	1/2	2,407.49	1/2	2,704.13
3/4	47.70	3/4	339.60	3/4	636.26	3/4	932.31	3/4	1,228.11	3/4	1,524.30	3/4	1,820.40	3/4	2,117.04	3/4	2,413.67	3/4	2,710.31
3	53.31	3	345.78	3	642.45	3	938.49	3	1,234.22	3	1,530.46	3	1,826.58	3	2,123.22	3	2,419.85	3	2,716.49
1/4	59.18	1/4	351.96	1/4	648.63	1/4	944.67	1/4	1,240.37	1/4	1,536.62	1/4	1,832.76	1/4	2,129.40	1/4	2,426.03	1/4	2,722.67
1/2	65.06	1/2	358.14	1/2	654.81	1/2	950.85	1/2	1,246.52	1/2	1,542.78	1/2	1,838.94	1/2	2,135.58	1/2	2,432.21	1/2	2,728.85
3/4	70.94	3/4	364.32	3/4	660.99	3/4	957.03	3/4	1,252.67	3/4	1,548.94	3/4	1,845.12	3/4	2,141.76	3/4	2,438.39	3/4	2,735.03
4	76.81	4	370.50	4	667.17	4	963.21	4	1,258.81	4	1,555.10	4	1,851.30	4	2,147.94	4	2,444.57	4	2,741.21
1/4	82.52	1/4	376.68	1/4	673.35	1/4	969.39	1/4	1,264.99	1/4	1,561.26	1/4	1,857.48	1/4	2,154.12	1/4	2,450.75	1/4	2,747.39
1/2	88.22	1/2	382.86	1/2	679.53	1/2	975.57	1/2	1,271.17	1/2	1,567.42	1/2	1,863.66	1/2	2,160.30	1/2	2,456.93	1/2	2,753.57
3/4	93.93	3/4	389.04	3/4	685.71	3/4	981.75	3/4	1,277.35	3/4	1,573.58	3/4	1,869.84	3/4	2,166.48	3/4	2,463.11	3/4	2,759.75
5	99.64	5	395.22	5	691.89	5	987.93	5	1,283.53	5	1,579.74	5	1,876.02	5	2,172.66	5	2,469.29	5	2,765.93
1/4	105.57	1/4	401.40	1/4	698.06	1/4	994.11	1/4	1,289.71	1/4	1,585.90	1/4	1,882.20	1/4	2,178.84	1/4	2,475.47	1/4	2,772.11
1/2	111.51	1/2	407.58	1/2	704.23	1/2	1,000.29	1/2	1,295.89	1/2	1,592.06	1/2	1,888.38	1/2	2,185.02	1/2	2,481.65	1/2	2,778.29
3/4	117.45	3/4	413.76	3/4	710.40	3/4	1,006.47	3/4	1,302.07	3/4	1,598.22	3/4	1,894.56	3/4	2,191.20	3/4	2,487.83	3/4	2,784.47
6	123.39	6	419.94	6	716.58	6	1,012.65	6	1,308.25	6	1,604.38	6	1,900.74	6	2,197.38	6	2,494.01	6	2,790.65
1/4	129.55	1/4	426.12	1/4	722.74	1/4	1,018.83	1/4	1,314.43	1/4	1,610.54	1/4	1,906.92	1/4	2,203.56	1/4	2,500.19	1/4	2,796.83
1/2	135.71	1/2	432.31	1/2	728.89	1/2	1,025.01	1/2	1,320.61	1/2	1,616.70	1/2	1,913.10	1/2	2,209.74	1/2	2,506.37	1/2	2,803.01
3/4	141.87	3/4	438.49	3/4	735.05	3/4	1,031.19	3/4	1,326.79	3/4	1,622.86	3/4	1,919.28	3/4	2,215.92	3/4	2,512.55	3/4	2,809.19
7	148.03	7	444.67	7	741.21	7	1,037.37	7	1,332.97	7	1,629.02	7	1,925.46	7	2,222.10	7	2,518.73	7	2,815.37
1/4	154.20	1/4	450.85	1/4	747.37	1/4	1,043.55	1/4	1,339.15	1/4	1,635.18	1/4	1,931.64	1/4	2,228.27	1/4	2,524.91	1/4	2,821.55
1/2	160.37	1/2	457.03	1/2	753.53	1/2	1,049.73	1/2	1,345.33	1/2	1,641.34	1/2	1,937.82	1/2	2,234.45	1/2	2,531.09	1/2	2,827.73
3/4	166.54	3/4	463.21	3/4	759.68	3/4	1,055.91	3/4	1,351.51	3/4	1,647.50	3/4	1,944.00	3/4	2,240.63	3/4	2,537.27	3/4	2,833.91
8	172.71	8	469.39	8	765.84	8	1,062.09	8	1,357.69	8	1,653.66	8	1,950.18	8	2,246.81	8	2,543.45	8	2,840.09
1/4	178.89	1/4	475.57	1/4	772.00	1/4	1,068.27	1/4	1,363.87	1/4	1,659.82	1/4	1,956.36	1/4	2,252.99	1/4	2,549.63	1/4	2,846.26
1/2	185.07	1/2	481.75	1/2	778.15	1/2	1,074.45	1/2	1,370.05	1/2	1,665.98	1/2	1,962.54	1/2	2,259.17	1/2	2,555.81	1/2	2,852.44
3/4	191.25	3/4	487.93	3/4	784.31	3/4	1,080.63	3/4	1,376.23	3/4	1,672.14	3/4	1,968.72	3/4	2,265.35	3/4	2,561.99	3/4	2,858.62
9	197.43	9	494.11	9	790.47	9	1,086.81	9	1,382.41	9	1,678.30	9	1,974.90	9	2,271.53	9	2,568.17	9	2,864.80
1/4	203.61	1/4	500.29	1/4	796.62	1/4	1,092.99	1/4	1,388.59	1/4	1,684.47	1/4	1,981.08	1/4	2,277.71	1/4	2,574.35	1/4	2,870.99
1/2	209.80	1/2	506.47	1/2	802.78	1/2	1,099.17	1/2	1,394.77	1/2	1,690.64	1/2	1,987.26	1/2	2,283.89	1/2	2,580.53	1/2	2,877.18
3/4	215.98	3/4	512.65	3/4	808.94	3/4	1,105.35	3/4	1,400.95	3/4	1,696.81	3/4	1,993.44	3/4	2,290.07	3/4	2,586.71	3/4	2,883.37
10	222.16	10	518.83	10	815.09	10	1,111.53	10	1,407.13	10	1,702.98	10	1,999.62	10	2,296.25	10	2,592.89	10	2,889.56
1/4	228.35	1/4	525.01	1/4	821.25	1/4	1,117.71	1/4	1,413.31	1/4	1,709.16	1/4	2,005.80	1/4	2,302.43	1/4	2,599.07	1/4	2,895.74
1/2	234.53	1/2	531.19	1/2	827.41	1/2	1,123.89	1/2	1,419.49	1/2	1,715.34	1/2	2,011.98	1/2	2,308.61	1/2	2,605.25	1/2	2,901.92
3/4	240.71	3/4	537.38	3/4	833.56	3/4	1,130.07	3/4	1,425.67	3/4	1,721.52	3/4	2,018.16	3/4	2,314.79	3/4	2,611.43	3/4	2,908.11
11	246.89	11	543.56	11	839.72	11	1,136.25	11	1,431.85	11	1,727.70	11	2,024.34	11	2,320.97	11	2,617.61	11	2,914.29
1/4	253.07	1/4	549.74	1/4	845.89	1/4	1,142.39	1/4	1,438.02	1/4	1,733.88	1/4	2,030.52	1/4	2,327.15	1/4	2,623.79	1/4	2,920.47
1/2	259.25	1/2	555.92	1/2	852.05	1/2	1,148.54	1/2	1,444.19	1/2	1,740.06	1/2	2,036.70	1/2	2,333.33	1/2	2,629.97	1/2	2,926.65
3/4	265.43	3/4	562.10	3/4	858.22	3/4	1,154.69	3/4	1,450.36	3/4	1,746.24	3/4	2,042.88	3/4	2,339.51	3/4	2,636.15	3/4	2,932.83

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 TO TOP OF 2" MMC CLOSED GAUGING VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD

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



BARGE "MPC 1013"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-09 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	2,932.60	0	3,177.53	0	3,422.11	0	3,666.47	0		0		0		0		0		0	
1/4	2,937.72	1/4	3,182.62	1/4	3,427.21	1/4	3,671.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,942.83	1/2	3,187.72	1/2	3,432.31	1/2	3,676.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,947.94	3/4	3,192.81	3/4	3,437.40	3/4	3,681.41	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,953.05	1	3,197.91	1	3,442.50	1	3,686.39	1		1		1		1		1		1	
1/4	2,958.16	1/4	3,203.00	1/4	3,447.59	1/4	3,691.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,963.27	1/2	3,208.10	1/2	3,452.69	1/2	3,696.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,968.38	3/4	3,213.19	3/4	3,457.78	3/4	3,701.29	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,973.49	2	3,218.29	2	3,462.88	2	3,706.26	2		2		2		2		2		2	
1/4	2,978.60	1/4	3,223.39	1/4	3,467.97	1/4	3,711.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,983.71	1/2	3,228.48	1/2	3,473.07	1/2	3,715.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,988.82	3/4	3,233.58	3/4	3,478.17	3/4	3,720.73	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,993.93	3	3,238.67	3	3,483.26	3	3,725.55	3		3		3		3		3		3	
1/4	2,999.04	1/4	3,243.77	1/4	3,488.36	1/4	3,729.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,004.15	1/2	3,248.86	1/2	3,493.45	1/2	3,733.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,009.27	3/4	3,253.96	3/4	3,498.55	3/4	3,736.96	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,014.38	4	3,259.05	4	3,503.64	4	3,740.76	4		4		4		4		4		4	
1/4	3,019.49	1/4	3,264.15	1/4	3,508.74	1/4	3,742.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,024.60	1/2	3,269.25	1/2	3,513.83	1/2	3,744.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,029.71	3/4	3,274.34	3/4	3,518.93	3/4	3,746.42	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,034.82	5	3,279.44	5	3,524.03	5	3,748.30	5		5		5		5		5		5	
1/4	3,039.92	1/4	3,284.53	1/4	3,529.12	1/4	3,748.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,045.02	1/2	3,289.63	1/2	3,534.22	1/2	3,749.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,050.13	3/4	3,294.72	3/4	3,539.31	3/4	3,750.36	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,055.23	6	3,299.82	6	3,544.41	6	3,751.04	6		6		6		6		6		6	
1/4	3,060.33	1/4	3,304.92	1/4	3,549.50	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,065.42	1/2	3,310.01	1/2	3,554.60	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,070.52	3/4	3,315.11	3/4	3,559.70	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,075.61	7	3,320.20	7	3,564.79	7		7		7		7		7		7		7	
1/4	3,080.71	1/4	3,325.30	1/4	3,569.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,085.80	1/2	3,330.39	1/2	3,574.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,090.90	3/4	3,335.49	3/4	3,580.08	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,096.00	8	3,340.58	8	3,585.17	8		8		8		8		8		8		8	
1/4	3,101.09	1/4	3,345.68	1/4	3,590.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,106.19	1/2	3,350.78	1/2	3,595.36	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,111.28	3/4	3,355.87	3/4	3,600.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,116.38	9	3,360.97	9	3,605.56	9		9		9		9		9		9		9	
1/4	3,121.47	1/4	3,366.06	1/4	3,610.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,126.57	1/2	3,371.16	1/2	3,615.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,131.66	3/4	3,376.25	3/4	3,620.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,136.76	10	3,381.35	10	3,625.94	10		10		10		10		10		10		10	
1/4	3,141.86	1/4	3,386.44	1/4	3,631.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,146.95	1/2	3,391.54	1/2	3,636.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,152.05	3/4	3,396.64	3/4	3,641.22	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,157.14	11	3,401.73	11	3,646.32	11		11		11		11		11		11		11	
1/4	3,162.24	1/4	3,406.83	1/4	3,651.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,167.33	1/2	3,411.92	1/2	3,656.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,172.43	3/4	3,417.02	3/4	3,661.44	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRINTED: 01/23/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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